CITY OF NEWARK
CITY COUNCIL

City Administration Building, City Council Chambers

37101 Newark Boulevard, Newark, CA 94560 | (510) 578-4266 | E-mail: city.clerk@newark.org

AGENDA

Thursday, July 24, 2025
7:00 P.M.

Michael K. Hannon, Mayor
Eve Marie Little, Vice Mayor
Matthew Jorgens, Council Member
Terrence Grindall, Council Member
Julie Del Catancio, Council Member

A. ROLL CALL

B. PRESENTATIONS

1. Proclamation for the Portuguese Fraternal Society of America Council No. 16 Holy Ghost Festival

2. Introduction of employee(s)

C. PUBLIC COMMENT

The public is invited to address the City Council on any item not listed on the agenda. Public Comments are generally limited to 5 minutes per speaker. Please note that State law prohibits the Council from acting on non-agenda items.

D. CONSENT CALENDAR

Consent Calendar items are considered to be routine and may be approved by one motion. There will be no separate discussion on these items unless there is a request by a Council Member, a staff member, or a member of the public to remove an item for separate discussion and action.

1. Approval of Audited Demands

2. Approval of July 10, 2025, minutes

3. Adopt a resolution approving a Memorandum of Understanding with the Newark Police Management Association

4. Adopt a resolution approving a Side Letter of Agreement with the Newark Police Association (NPA) to align the reinstatement provision in the July 1, 2025 – June 30, 2028 Memorandum of Understanding (MOU) with the City's Personnel Rules and Regulations

5. Approve the specifications and adopt a resolution awarding a contract to Villalobos & Associates, Inc. for 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 and 2025 Citywide Accessible Ramps Project No. CIPA10001

6. Adopt resolution approving the project plans and specifications for Project CIPA10005.FY2025 and awarding a contract to VSS International, Inc. for the 2025 Slurry Seal Project, and approving an amendment to the budget; Exempt from CEQA review per CEQA Guidelines Section 15301

7. Adopt a resolution authorizing the City Manager to execute an agreement with Hello Housing to develop and administer the first-time homebuyer assistance and below-market rate homeownership programs

E. PUBLIC HEARINGS

1. Hearing to consider property owners' objections and adopt a resolution confirming the Superintendent of Streets' Report concerning weed abatement assessments

2. Hearing to consider a Call for Review of the Planning Commission's adoption of Resolution No. 2022 approving the Prologis project at 6756 – 6792 Central Avenue (APN: 92A-2165-14, -15, -16, and -17) consisting of the following entitlements: Design Review (DR2022-010), a Minor Use Permit (MUP2024-001), and a Conditional Use Permit (U2024-001) to allow for a new industrial building and associated on-site improvements and consider a resolution affirming the Planning Commission's action and a resolution overturning the Planning Commission's action

F. OTHER BUSINESS

1. Adopt a resolution to award a Broadband Public-Private Partnership contract to Smart Fiber Networks

2. Presentation on the status of the Sea Level Rise Vulnerability Assessment and Adaptation Strategy

3. Presentation of information from Alameda County's 2024 Point-in-Time Count and the City's activities related to homelessness

G. CITY MANAGER UPDATES

H. CITY COUNCIL MATTERS

City Council Members report on attendance at intergovernmental agency meetings, conferences, and seminars since the last meeting. City Council Members may also announce upcoming events and coordinate attendance; report on local events attended since the last meeting; and make brief comments on issues of concern.

1. Discussion and direction regarding June 26, 2025 meeting minutes and approval of same

I. CLOSED SESSION

J. ADJOURNMENT

MEETING INFORMATION

Members of the public may attend the meeting in person, watch online, or watch on Cable Channel 26. The ability to observe online or Cable Channel 26 is predicated on those technologies being available and functioning without technical difficulties. Should those platforms not be available, or become non-functioning, or should the City Council otherwise encounter technical difficulties that make those platforms unavailable, the City Council will proceed with business in person unless otherwise prohibited by law.

How to view the meeting remotely:
Livestream online at YouTube: https://www.youtube.com/@cityofnewark3077/streams
Copy/paste the YouTube URL into your browser if the link does not automatically open.

Cable Channel 26 - if the meeting does not broadcast live, please contact your service provider and request the City of Newark channel lineup.

Zoom will no longer be available for public participation unless required by Assembly Bill 2449. Should a Council Member or the Mayor attend the meeting via Zoom.com pursuant to Assembly Bill 2449, then the Webinar ID 832 6888 9706 will be activated. The Mayor will make an announcement at the beginning of the meeting that the City will be allowing public comment via Zoom. Raise your virtual hand to notify the City Clerk that you would like to speak during the item that you wish to speak on.

How to submit written Public Comment:
Send an email to City Clerk by 3:00 p.m. the day of the meeting. Please identify the agenda item number in the subject line of your email. Emails will be compiled into one file and will be distributed to the City Council before the meeting.

No question shall be asked of a council member, city staff, or an audience member except through the Mayor. No person shall interrupt the meeting. Any person who refuses to carry out instructions given by the Mayor for the purpose of maintaining order may be guilty of an infraction and may result in removal from the meeting.

Council Meeting Access/Materials:
The agenda packet is available for review at Agendas and Minutes. The packet is typically posted to the City website the Friday before the meeting, but no later than 72 hours before the meeting.

Pursuant to Government Code 54957.5, supplemental materials distributed less than 72 hours before this meeting, to a majority of the City Council, will be made available for public inspection at this meeting and will be posted at https://www.newarkca.gov/departments/city-manager-s-office/agendas-minutes and will concurrently be made available for public inspection during regular business hours at the David W. Smith City Hall, 37101 Newark Boulevard, Newark CA. Materials prepared by City staff and distributed during the meeting are available for public inspection at the meeting or after the meeting if prepared by some other person. Documents related to closed session items or are exempt from disclosure will not be made available for public inspection. For those persons

who require special accommodations, please contact the City Clerk at least two days prior to the meeting at City Clerk or 510-578-4266.

Mission Statement
It is our mission to serve and partner with our community to continually enhance the quality of life of everyone in Newark.

Executive Team Members

David J. Benoun City Manager	**Lenka Hovorka** Assistant City Manager
Kristopher J. Kokotaylo City Attorney	**Steven Turner** Community Development Director
Jonathan Arguello Police Chief	**Edwin Miranda** CIO/Information Technology Director
Howard Young Public Works Director	**Brittney Frye** Human Resources Director
Krysten Lee Finance Director	**Ryan Nishimoto** ACFD Deputy Chief
Nicholas Cuevas, Recreation and Community Services Director	

STAFF REPORT

Item B. 1.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Sheila Harrington, City Clerk
SUBJECT	Proclamation for the Portuguese Fraternal Society of America Council No. 16 Holy Ghost Festival

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The Portuguese Fraternal Society of America Council No. 16 will celebrate the annual Holy Ghost Festival and their anniversary in the City of Newark on July 26 and 27, 2025. This will be the 102nd celebration of Holy Ghost Festival in Newark. Representatives from the Portuguese Fraternal Society will be at the City Council meeting to accept a proclamation.

Attachments

Proclamation

PROCLAMATION NO. 1948

PORTUGUESE FRATERNAL SOCIETY OF AMERICA COUNCIL NO. 16
102nd ANNIVERSARY

WHEREAS, the Annual Newark Pavilion/Portuguese Fraternal Society of America (P.F.S.A.) Council No. 16 Holy Ghost Festival will be celebrated in Newark on July 26-27, 2025; and

WHEREAS, this event will also be the celebration of the Society's 102nd Anniversary in the City of Newark; and

WHEREAS, the early members of P.F.S.A. were involved in and contributed greatly to the development of the City of Newark; and

WHEREAS, these early members of P.F.S.A. established the Holy Ghost Festival, thus preserving their Portuguese homeland traditions and sharing those traditions with all Newark residents; and

WHEREAS, the City of Newark wishes to join the Portuguese community of Newark in the celebration of their 102nd Anniversary of the Annual Newark Pavilion/P.F.S.A. Council No. 16 Holy Ghost Festival;

NOW, THEREFORE, I, Michael K. Hannon, Mayor of the City of Newark, on behalf of the Newark City Council, do hereby proclaim July 26-27, 2025, as days of celebration of the

PORTUGUESE FRATERNAL SOCIETY OF AMERICA COUNCIL NO. 16
102nd ANNIVERSARY

and ask all citizens of the City of Newark to join in celebration of this event and in celebration of the rich cultural history that our Portuguese community shares with all residents of Newark.

IN WITNESS THEREOF, I have hereunto set forth my hand and caused the Official Seal of the City of Newark, State of California, to be affixed this Twenty-fourth Day of July, Two Thousand Twenty-five.

Michael K. Hannon
Mayor

STAFF REPORT

Item B. 2.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Sheila Harrington, City Clerk
SUBJECT	Introduction of employee(s)

Dan Cianciarulo has been promoted to Maintenance Supervisor in the Public Works Department. Mr. Cianciarulo will be introduced at the City Council meeting.

STAFF REPORT

Item D. 1.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Krysten Lee, Finance Director
SUBJECT	Approval of Audited Demands

Attachments

Audited Demands 06.26.25
Audited Demands 07.03.25

LIVE Newark CA LIVE

Payment Batch Register

Bank Account: AP - ZBA ACCOUNTS PAYABLE

Batch Date: 06/26/2025

Type	Date	Number	Source	Payee Name	EFT Bank/Account	Transaction Amount
Bank Account: AP - ZBA ACCOUNTS PAYABLE						
Check	06/26/2025	14325	Accounts Payable	4LEAF INC		14,622.72
	Invoice		Date	Description	Check Sort Code	Amount
	J1118A59		06/18/2025	BI FIELD INSPECTION AND RELATED PROFESSIONAL SVCS 05/01-05/31/25		14,622.72
Check	06/26/2025	14326	Accounts Payable	ABACUS PRODUCTS INC		687.83
	Invoice		Date	Description	Check Sort Code	Amount
	B80400		06/04/2025	RECORD ADMIN FEE RECEIPT BOOKS		687.83
Check	06/26/2025	14327	Accounts Payable	ACCESS		305.80
	Invoice		Date	Description	Check Sort Code	Amount
	11554256		04/30/2025	SHREDDING SVCS APRIL 2025		305.80
Check	06/26/2025	14328	Accounts Payable	AIRGAS USA, LLC		112.04
	Invoice		Date	Description	Check Sort Code	Amount
	5517071094		05/31/2025	CYL ACETYLENE RENTAL 05/31/25		112.04
Check	06/26/2025	14329	Accounts Payable	ALAMEDA COUNTY FIRE DEPARTMENT		7,828.37
	Invoice		Date	Description	Check Sort Code	Amount
	2024-25-349		06/18/2025	FT #252 & 243N SERVICE 03/10-04/24/25		4,086.89
	2024-25-350		06/18/2025	FT 241N & 252 SERVICE 04/30/25		2,626.34
	2024-25-351		06/18/2025	FT 252 SERVICE 02/25/25		1,115.14
Check	06/26/2025	14330	Accounts Payable	TREASURER OF ALAMEDA COUNTY		7,714.00
	Invoice		Date	Description	Check Sort Code	Amount
	JAN 2025		02/04/2025	CRIME LAB FEES JAN 2025		7,714.00
Check	06/26/2025	14331	Accounts Payable	ALL CITY MANAGEMENT SERVICES, INC.		2,681.28
	Invoice		Date	Description	Check Sort Code	Amount
	101872		06/11/2025	SCHOOL CROSSING GUARD SVCS 05/25-6/7/25		2,681.28
Check	06/26/2025	14332	Accounts Payable	ALTA LANGUAGE SERVICES, INC.		138.00
	Invoice		Date	Description	Check Sort Code	Amount
	IS787788		05/31/2025	LISTENING & SPEAKING TEST - 05/25		138.00
Check	06/26/2025	14333	Accounts Payable	ASCENT ENVIRONMENTAL, INC.		13,140.05
	Invoice		Date	Description	Check Sort Code	Amount
	20230149.01-15		06/16/2025	CLIMATE ACTION PLAN DEVELOPMENT - 05/01 TO 05/31/2025		13,140.05

Check	06/26/2025	14334	Accounts Payable	COMMUNITY PLANNING COLLABORATIVE	12,480.25

Invoice	Date	Description	Check Sort Code	Amount
1932	06/07/2025	ON CALL SVCS/INCLUSIONARY HSNG/TENANT PROTECTIONS - 5/25		12,480.25

Check	06/26/2025	14335	Accounts Payable	BATTERY SYSTEMS INC	385.95

Invoice	Date	Description	Check Sort Code	Amount
6970450	05/30/2025	BATTERY REPLACEMENT 05/30/25		385.95

Check	06/26/2025	14336	Accounts Payable	BAY AREA TEMPORARY SANITATION, INC.	409.78

Invoice	Date	Description	Check Sort Code	Amount
115669	06/30/2025	FISHING IN THE CITY PORTABLE RESTROOMS WASHING STATIONS 06/25		409.78

Check	06/26/2025	14337	Accounts Payable	BAY AREA TEMPORARY SANITATION, INC.	1,638.25

Invoice	Date	Description	Check Sort Code	Amount
115668	06/30/2025	GROOVIN AT THE GROVE PORTABLE RESTROOMS & HANDWASH STATIONS 6/25		1,638.25

Check	06/26/2025	14338	Accounts Payable	BAY CENTRAL PRINTING	1,631.72

Invoice	Date	Description	Check Sort Code	Amount
202476	06/03/2025	BUSINESS CARD IMPRINTING-DA SILVA		85.88
202483	06/03/2025	BUSINESS CARD IMPRINTING-JACKMAN		85.88
202481	06/03/2025	BUSINESS CARD IMPRINTING-MUSANTRY		85.88
202477	06/03/2025	BUSINESS CARD IMPRINTING-QUINONEZ		85.88
202479	06/03/2025	BUSINESS CARD IMPRINTING-DIAZ		85.88
202534	06/04/2025	BUSINESS CARD IMPRINTING-TORRES		85.88
202525	06/04/2025	BUSINESS CARD IMPRINTING-SHARMA		85.88
202546	06/05/2025	BUSINESS CARD IMPRINTING-NORVELL		85.88
202535	06/05/2025	BUSINESS CARD IMPRINTING-WALKER		85.88
202536	06/05/2025	BUSINESS CARD IMPRINTING-LAU		85.88
202538	06/05/2025	BUSINESS CARD IMPRINTING-LOMELI		85.88
202539	06/05/2025	BUSINESS CARD IMPRINTING-MACIAS		85.88
202540	06/05/2025	BUSINESS CARD IMPRINTING-MCCUIN		85.88
202541	06/05/2025	BUSINESS CARD IMPRINTING-SOTO		85.88
202542	06/05/2025	BUSINESS CARD IMPRINTING-MEDINA		85.88
202544	06/05/2025	BUSINESS CARD IMPRINTING-REYMUNDO		85.88
202545	06/05/2025	BUSINESS CARD IMPRINTING-WARREN		85.88
202626	06/12/2025	BUSINESS CARDS-BRITTNEY FRYE & ROYA GONZALEZ		171.76

Check	06/26/2025	14339	Accounts Payable	BLAISDELL'S BUSINESS PRODUCTS	551.58

Invoice	Date	Description	Check Sort Code	Amount
MAY 25	06/01/2025	OFFICE SUPPLIES 05/21-05/22/25 (APS #25-25)		551.58

Check	06/26/2025	14340	Accounts Payable	BLUETRITON BRANDS INC	391.17

Invoice	Date	Description	Check Sort Code	Amount
05F8720042467	06/17/2025	WATER SERVICES 5/15-6/14/25		53.12
15734365 051325	05/13/2025	WATER SERVICES 4/15-5/02/2025		259.17
15734365 071324	07/13/2024	WATER SERVICES 7/03-7/05/2025		78.88

Check	06/26/2025	14341	Accounts Payable	CATO	1,500.00

Invoice	Date	Description	Check Sort Code	Amount
1202-0120425GA	06/24/2025	CATO CONFERENCE-G.ARROYO		500.00

	1202-0120425CS	06/24/2025	CATO CONFERENCE-C.SWADNER		500.00
	1202-0120425JH	06/24/2025	CATO CONFERENCE-J.HERRERA		500.00
Check	06/26/2025	14342 Accounts Payable	BEACON VETERINARY SPECIALISTS		350.00
	Invoice	Date	Description	Check Sort Code	Amount
	203509	06/24/2025	VET SVCS 03/25/25		200.00
	205257	06/24/2025	VET SVCS 04/28/25		150.00
Check	06/26/2025	14343 Accounts Payable	CENTRAL VALLEY TOXICOLOGY, INC.		215.00
	Invoice	Date	Description	Check Sort Code	Amount
	340924	05/05/2025	LAB TESTS 5/5/25		44.00
	340794	04/25/2025	LAB TESTS 4/25/25		127.00
	340925	05/05/2025	LAB TESTS 5/5/25		44.00
Check	06/26/2025	14344 Accounts Payable	APRO LLC		230.00
	Invoice	Date	Description	Check Sort Code	Amount
	050125-053125	05/31/2025	CAR WASH 05/01-05/31/25		230.00
Check	06/26/2025	14345 Accounts Payable	CITY OF FREMONT		18,637.00
	Invoice	Date	Description	Check Sort Code	Amount
	339003	06/03/2025	SHELTER OPERATING EXP JUNE 2025		18,637.00
Check	06/26/2025	14346 Accounts Payable	CITY OF HAYWARD		2,000.00
	Invoice	Date	Description	Check Sort Code	Amount
	353065	05/22/2025	RANGE USE 07/01/24-06/30/25		2,000.00
Check	06/26/2025	14347 Accounts Payable	COMCAST BUSINESS		1,557.28
	Invoice	Date	Description	Check Sort Code	Amount
	241863026	06/01/2025	CALNET ACCT 932687073 | 05/01-05/31/25		1,142.86
	241862959	06/01/2025	CALNET ACCT 963534957 | 05/01-05/31/25		414.42
Check	06/26/2025	14348 Accounts Payable	CORELOGIC SOLUTIONS, LLC		225.00
	Invoice	Date	Description	Check Sort Code	Amount
	30778457	05/31/2025	INVESTIGATIVE REAL ESTATE INFO RESEARCH - SVCS THRU 05/31/25		225.00
Check	06/26/2025	14349 Accounts Payable	ALAMEDA COUNTY ENVIRONMENTAL HEALTH		7,803.00
	Invoice	Date	Description	Check Sort Code	Amount
	IN0381879	05/27/2025	CUPA FEES - SERVICE CENTER - 06/25		6,099.00
	IN0381934	05/27/2025	CUPA FEES - FIRE STATION #29 - 06/25		852.00
	IN0381935	05/27/2025	FS28 CUPA FEES 06/01/25		852.00
Check	06/26/2025	14350 Accounts Payable	ALAMEDA COUNTY INFORMATION TECHNOLOGY DEPARTMENT		3,811.50
	Invoice	Date	Description	Check Sort Code	Amount
	112-2505036	06/19/2025	AWS ACCESS FEE MAY 2025		3,811.50
Check	06/26/2025	14351 Accounts Payable	CSW I ST2		8,571.50
	Invoice	Date	Description	Check Sort Code	Amount
	2505120	05/31/2025	DESIGN SERVICES FOR OLD TOWN STREETSCAPE IMPROVEMENTS 04/25		8,571.50
Check	06/26/2025	14352 Accounts Payable	JADA DESSAURE		375.00

	Invoice	Date	Description	Check Sort Code	Amount
	2	05/31/2025	PRE-EMPLOYMENT POLYGRAPH 05/14/25		375.00
Check	06/26/2025	14353 Accounts Payable	FAMA TECHNOLOGIES, INC		99.00
	Invoice	Date	Description	Check Sort Code	Amount
	7861	05/31/2025	SOCIAL MEDIA SCREENS 05/31/25		99.00
Check	06/26/2025	14354 Accounts Payable	FEDEX		19.75
	Invoice	Date	Description	Check Sort Code	Amount
	8-848-64596	06/18/2025	PACKAGE DELIVERY		19.75
Check	06/26/2025	14355 Accounts Payable	FOUR SEASONS POOL SERVICE		3,234.01
	Invoice	Date	Description	Check Sort Code	Amount
	58622	06/04/2025	SILLIMAN POOL LIGHT FIXTURE SERVICE 06/04/25		1,500.00
	58623	06/04/2025	POOL MAINTENANCE 6/4/25		1,734.01
Check	06/26/2025	14356 Accounts Payable	FREMONT FORD		1,273.37
	Invoice	Date	Description	Check Sort Code	Amount
	236045	06/18/2025	FLEET TUBE ASY		408.55
	236061	06/18/2025	FLEET BATTERY BRACKET		21.31
	236084	06/18/2025	FLEET BREAK LINING, PAD AND SEAL		270.61
	450601	06/17/2025	FORD SERVICE 2017 FORD INTERCEPTOR 06/12/25		572.90
Check	06/26/2025	14357 Accounts Payable	FRONTIER BUILDING PRODUCTS PACIFIC, INC		476.00
	Invoice	Date	Description	Check Sort Code	Amount
	6-2-1057355	06/02/2025	FIRE STATION 29 SPRING REPLACEMENT 6/2/25		476.00
Check	06/26/2025	14358 Accounts Payable	GACHINA LANDSCAPE MANAGEMENT, INC.		29,780.60
	Invoice	Date	Description	Check Sort Code	Amount
	E 229356B	06/01/2025	MAINTENANCE CONTRACT JUNE 2025		19,904.94
	E 229356A	06/01/2025	MAINTENANCE CONTRACT JUNE 2025		9,875.66
Check	06/26/2025	14359 Accounts Payable	GLOBAL INDUSTRIAL		4,369.58
	Invoice	Date	Description	Check Sort Code	Amount
	123267705	06/05/2025	BARRICADES FOR CABANA AND LAZY RIVER AREA		4,369.58
Check	06/26/2025	14360 Accounts Payable	GOVERNMENT FINANCE OFFICERS ASSOCIATION		95.00
	Invoice	Date	Description	Check Sort Code	Amount
	3100762	01/21/2025	CLASS REGISTRATION - ACCEPTING CREDIT CARD PAYMENTS 02/20/25		95.00
Check	06/26/2025	14361 Accounts Payable	GYM DOCTORS		225.00
	Invoice	Date	Description	Check Sort Code	Amount
	00168673	06/19/2025	MAINTENANCE AND REPAIRS OF FITNESS MACHINES 06/18/2025		225.00
Check	06/26/2025	14362 Accounts Payable	HOME DEPOT CREDIT SERVICES		7,949.39
	Invoice	Date	Description	Check Sort Code	Amount
	JUN'25	06/13/2025	HDCC SUPPLIES JUNE 2025		7,949.39
Check	06/26/2025	14363 Accounts Payable	NICHOLAS ICASIANO		131.76
	Invoice	Date	Description	Check Sort Code	Amount

	050125EXP	05/01/2025	MILEAGE REIMBURSEMENT & TOLL 05/01/2025		131.76
Check	06/26/2025	14364 Accounts Payable	INDUSTRIAL PLUMBING SUPPLY, LLC.		1,137.72
	Invoice	Date	Description	Check Sort Code	Amount
	122494	04/29/2025	THERMOSTATIC SHOWER ASSY KIT		466.43
	122523	04/30/2025	LEONARD HANDLE		90.31
	122515	04/30/2025	CLOSET STOP, HANDLE REPAIR AND TMS SENSOR		580.98
Check	06/26/2025	14365 Accounts Payable	J4 SYSTEMS		760.00
	Invoice	Date	Description	Check Sort Code	Amount
	21234	05/31/2025	INTUNE SETUP - JOHN JOSEPH 05/29/25		380.00
	21257	06/05/2025	INTUNE SETUP - JOHN JOSEPH 06/02/25		380.00
Check	06/26/2025	14366 Accounts Payable	KNORR SYSTEMS INTERNATIONAL		6,421.98
	Invoice	Date	Description	Check Sort Code	Amount
	272170	06/04/2025	PULSAR BRIQUETTES 06/04/25		6,421.98
Check	06/26/2025	14367 Accounts Payable	LEXIS NEXIS RISK DATA MANAGEMENT INC		1,092.06
	Invoice	Date	Description	Check Sort Code	Amount
	1100143064	06/16/2025	ACCURINT SEARCH TOOL MAY 2025		1,092.06
Check	06/26/2025	14368 Accounts Payable	LEXISNEXIS RISK SOLUTIONS FL INC		50.00
	Invoice	Date	Description	Check Sort Code	Amount
	1300130275	05/31/2025	INVESTIGATIVE INFO RESEARCH - 5/31/25		50.00
Check	06/26/2025	14369 Accounts Payable	LPC SERVICES, INC.		225.00
	Invoice	Date	Description	Check Sort Code	Amount
	80780	05/30/2025	PEST SERVICES - CITY HALL #102699 5/30/25		225.00
Check	06/26/2025	14370 Accounts Payable	MISTERSOFTEENORCAL		1,013.70
	Invoice	Date	Description	Check Sort Code	Amount
	5556	06/12/2025	SOFT SERVE ICE CREAM TRUCK FOR ACTIVITIES AND EVENTS 6/25/25		1,013.70
Check	06/26/2025	14371 Accounts Payable	NATIONAL DATA & SURVEYING SERVICES		790.00
	Invoice	Date	Description	Check Sort Code	Amount
	25-080212	06/04/2025	TRAFFIC SURVEY - APS #25-103 - 06/25		610.00
	25-080227	06/06/2025	TRAFFIC SURVEY - APS #25-103 - 06/25		180.00
Check	06/26/2025	14372 Accounts Payable	FULLNELSON EMBROIDERY		1,105.00
	Invoice	Date	Description	Check Sort Code	Amount
	0622205	06/22/2025	HATS		1,105.00
Check	06/26/2025	14373 Accounts Payable	AT&T		5,505.54
	Invoice	Date	Description	Check Sort Code	Amount
	000023561403	06/01/2025	BAN 9391083983 - 05/01-05/31/25		4,636.17
	000023555597	06/01/2025	BAN 9391056598 - 05/01-05/31/25		869.37
Check	06/26/2025	14374 Accounts Payable	PACIFIC GAS & ELECTRIC		3,301.60
	Invoice	Date	Description	Check Sort Code	Amount
	3926-060325	06/03/2025	TRAFFIC LIGHTS CHERRY ST 04/28-05/27/25		121.77
	0870-060425	06/04/2025	TRAFFIC LIGHTS MOWRY 04/29-05/28/25		101.07

	9045-060325	06/03/2025	TRAFFIC LIGHTS-FILBERT, & CENTRAL 04/24-05/22/25		275.78
	1859-060325	06/03/2025	TRAFFIC LIGHTS-CHERRY04/28-05/27/25		2,582.46
	2305-053025	05/30/2025	TRAFFIC LIGHTS-THORNTON 04/24-05/22/25		123.06
	0552-053025	05/30/2025	TRAFFIC LIGHTS-CEDAR 04/25-05/23/25		97.46
Check	06/26/2025	14375 Accounts Payable	PAKPOUR CONSULTING GROUP, INC.		13,003.99
	Invoice	Date	Description	Check Sort Code	Amount
	4738	05/08/2025	ON-CALL CIVIL ENGINEERING PLAN REVIEW SERVICES 04/25		352.80
	4739	05/08/2025	PRJ MGMT SERVICES FOR CENTRAL AVENUE OVERPASS PRJ 04/25		12,651.19
Check	06/26/2025	14376 Accounts Payable	POSITIVE PROMOTIONS, INC		699.38
	Invoice	Date	Description	Check Sort Code	Amount
	63464470-A	06/19/2025	SMALL FOOTBALL- COMMUNITY ENGAGEMENT SUPPLIES		699.38
Check	06/26/2025	14377 Accounts Payable	QUALITY SIGN & BANNER		817.45
	Invoice	Date	Description	Check Sort Code	Amount
	20515	05/27/2025	BANNER FOR GROOVIN AT THE GROVE/MARIACHI FESTIVAL		817.45
Check	06/26/2025	14378 Accounts Payable	REDFLEX TRAFFIC SYSTEMS, INC.		17,400.00
	Invoice	Date	Description	Check Sort Code	Amount
	INV0101466	05/31/2025	REDLIGHT CAMERA MONITORING MAY 2025		17,400.00
Check	06/26/2025	14379 Accounts Payable	REYES COCA-COLA BOTTLING LLC.		583.40
	Invoice	Date	Description	Check Sort Code	Amount
	47254509015	06/02/2025	CAFE/BIRTHDAY BEVERAGE SUPPLY		583.40
Check	06/26/2025	14380 Accounts Payable	TOTAL INDUSTRIES		671.14
	Invoice	Date	Description	Check Sort Code	Amount
	IM16001383	06/03/2025	TOYOTA RUBBER FLAP		247.80
	IM16001431	06/06/2025	TOYOTA PARTS-BRUSH, BUSE, AND SOCKET		423.34
Check	06/26/2025	14381 Accounts Payable	SALUS SAUNAS LLC		22,360.44
	Invoice	Date	Description	Check Sort Code	Amount
	000004284	06/05/2025	COLD PLUNGE FOR EMPLOYEE WELLNESS		7,525.47
	000004283	06/05/2025	SAUNA FOR EMPLOYEE WELLNESS PROGRAM		14,834.97
Check	06/26/2025	14382 Accounts Payable	YORK RISK SERVICE GROUP, INC. A SEDGWICK COMPANY		3,852.50
	Invoice	Date	Description	Check Sort Code	Amount
	400000245530	06/01/2025	WORKERS COMPENSATION ADMIN FEES - 06/01/25-06/30/25		3,852.50
Check	06/26/2025	14383 Accounts Payable	SHOBNA SHARMA		1,126.23
	Invoice	Date	Description	Check Sort Code	Amount
	0604-060825EXP	06/16/2025	CEM TRAINING		1,126.23
Check	06/26/2025	14384 Accounts Payable	STAPLES		2,278.53
	Invoice	Date	Description	Check Sort Code	Amount
	7005542173	05/31/2025	OFFICE SUPPLIES 05/14-05/30/25 (APS #25-24)		2,278.53
Check	06/26/2025	14385 Accounts Payable	SYSCO - SAN FRANCISCO		142.59
	Invoice	Date	Description	Check Sort Code	Amount
	750404605	06/02/2025	CAFE/BDAY PARTY/CAMP FOOD 6/2/25		142.59

Check	06/26/2025	14386	Accounts Payable	SYSERCO, INC		1,863.33
	Invoice	Date	Description		Check Sort Code	Amount
	15719	11/11/2024	BINARY TRIAC OUTPUTS			707.91
	15722	11/11/2024	MSTP PARTS			1,155.42
Check	06/26/2025	14387	Accounts Payable	TEN-FOUR COMMUNICATIONS, INC		13,815.14
	Invoice	Date	Description		Check Sort Code	Amount
	66248	04/18/2025	RADIO RELACEMENT 4/18/25			13,815.14
Check	06/26/2025	14388	Accounts Payable	THE ECOHERO SHOW LLC		3,000.00
	Invoice	Date	Description		Check Sort Code	Amount
	3366	05/31/2025	RECYCLING AND WASTE REDUCTION OUTREACH TO SCHOOLS 05/25			3,000.00
Check	06/26/2025	14389	Accounts Payable	UNIVERSAL BUILDING SERVICES & SUPPLY CO		3,720.00
	Invoice	Date	Description		Check Sort Code	Amount
	536559	05/31/2025	JANITORIAL SERVICES - LIBRARY WINDOWS 5/8/25			2,280.00
	536623	05/31/2025	JANITORIAL SERVICES - SERVICE CENTER EXT WINDOWS 5/9/25			114.00
	536683	05/31/2025	JANITORIAL SERVICES - CITY HALL FLOORS 4/2/25			756.00
	536682	05/31/2025	JANITORIAL SERVICES - LIBRARY FLOORS 4/2/25			570.00
Check	06/26/2025	14390	Accounts Payable	U.S. BANK CORPORATE PAYMENT SYSTEMS		72,765.14
	Invoice	Date	Description		Check Sort Code	Amount
	062325STMT	06/23/2025	CC PAYMENT 06/23/25			72,765.14
Check	06/26/2025	14391	Accounts Payable	VISTA UNIVERSAL INC		1,417.50
	Invoice	Date	Description		Check Sort Code	Amount
	T521388	06/11/2025	ASH STREET PARK LIGHT BULB REPLACEMENT 06/11/25			1,417.50
Check	06/26/2025	14392	Accounts Payable	WASHINGTON HOSPITAL		25.00
	Invoice	Date	Description		Check Sort Code	Amount
	0525-NPD-LB	06/03/2025	LAB TESTS MAY 2025			25.00
Check	06/26/2025	14393	Accounts Payable	WEST COAST ARBORISTS INC		2,340.00
	Invoice	Date	Description		Check Sort Code	Amount
	230398	06/15/2025	STREET TREE MAINTENANCE 06/01-06/15/25			2,340.00
Check	06/26/2025	14394	Accounts Payable	VIERNES , ROBERT		500.00
	Invoice	Date	Description		Check Sort Code	Amount
	750412	06/23/2025	Refunds			500.00
EFT	06/26/2025	1587	Accounts Payable	CLIENTFIRST TECHNOLOGY CONSULTING 122037760 / 001064667052		787.50
	Invoice	Date	Description		Check Sort Code	Amount
	18318	05/31/2025	SECURITY CAMERAS BLDG ACCESS MGMT 05/01-05/31/25			787.50
EFT	06/26/2025	1588	Accounts Payable	SUMMIT UNIFORMS, LLC 121000358 / 325183513607		106.09
	Invoice	Date	Description		Check Sort Code	Amount
	28288	06/06/2025	UNIFORM AND ACCESSORIES-MARTINEZ			106.09

AP ZBA ACCOUNTS PAYABLE Totals:	Transactions: 72	$342,325.48

Checks:	70	$341,431.89
EFTs:	2	$893.59

LIVE Newark CA LIVE

Payment Batch Register

Bank Account: AP - ZBA ACCOUNTS PAYABLE

Batch Date: 07/03/2025

Type	Date	Number	Source	Payee Name	EFT Bank/Account	Transaction Amount
Bank Account: AP - ZBA ACCOUNTS PAYABLE						
Check	07/03/2025	14395	Accounts Payable	ALLIED AUTO STORES INC		1,868.15
	Invoice		Date	Description	Check Sort Code	Amount
	MAY'25		05/31/2025	ALLIED-FLEET SUPPLIES 05/01-05/30/25		1,868.15
Check	07/03/2025	14396	Accounts Payable	ALPINE AWARDS INC		273.28
	Invoice		Date	Description	Check Sort Code	Amount
	6111951		06/09/2025	SUPPLIED APPAREL-EMB		143.70
	6111950		06/09/2025	SUPPLIED APPAREL-EMB		129.58
Check	07/03/2025	14397	Accounts Payable	JUAN AYALA		59.22
	Invoice		Date	Description	Check Sort Code	Amount
	061925EXP		06/19/2025	COMMERCIAL DL TESTING 06/19/25		59.22
Check	07/03/2025	14398	Accounts Payable	JOSEPH Q. BALATBAT		127.58
	Invoice		Date	Description	Check Sort Code	Amount
	051325EXP		06/26/2025	AIRLINE TICKET (ONE WAY TRIP) - ATTENDING ESRI CONF 07/11/25		70.48
	062725EXP		06/30/2025	MILEAGE & PARKING - ATTENDED AC COLLAB P4H CONF 06/27/25		57.10
Check	07/03/2025	14399	Accounts Payable	BAY ISLAND OFFICIALS ASSOCIATION		1,356.00
	Invoice		Date	Description	Check Sort Code	Amount
	MAY312025		05/31/2025	OFFICIATING FOR BASKETBALL AND VOLLEYBALL GAMES FOR MAY '25		1,356.00
Check	07/03/2025	14400	Accounts Payable	CAL SAFETY INC		341.78
	Invoice		Date	Description	Check Sort Code	Amount
	31444		06/10/2025	LANE CLOSURE SIGNS-POS		170.89
	31454		06/13/2025	LANE CLOSURE SIGNS-POS		170.89
Check	07/03/2025	14401	Accounts Payable	STATE DISBURSEMENT UNIT		1.38
	Invoice		Date	Description	Check Sort Code	Amount
	PPE 6.21.25		06/26/2025	GARNISH - CASE 200000002128365 - 6/8/25-6/21/25		1.38
Check	07/03/2025	14402	Accounts Payable	CENTRAL TOWING & TRANSPORT LLC		408.45
	Invoice		Date	Description	Check Sort Code	Amount
	9623763-1		04/25/2025	TOWING SERVICES - 2021 FORD EXPLORER 04/25/25		86.70
	9644016-1		05/31/2025	TOWING SVCS 05/31/25		65.00
	9630793-1		05/08/2025	TOWING SVCS 05/08/25		65.00
	9642619-1		05/29/2025	TOWING SVCS 05/29/25		191.75

Check	07/03/2025	14403	Accounts Payable	CITY OF FREMONT	3,750.00

Invoice	Date	Description	Check Sort Code	Amount
339089	06/24/2025	CASE MANAGEMENT FOR 07/24-09/24		1,250.00
339328	06/24/2025	CASE MANAGEMENT FOR 10/24-12/24		1,250.00
339329	06/24/2025	CASE MANAGEMENT FOR 01/25-03/25		1,250.00

Check	07/03/2025	14404	Accounts Payable	CIVICA LAW GROUP, APC	79.20

Invoice	Date	Description	Check Sort Code	Amount
16424	06/02/2025	PROFESSIONAL SERVICES RENDERED THROUGH MAY 31, 2025		79.20

Check	07/03/2025	14405	Accounts Payable	ALAMEDA CO. ITD/REGISTRAR OF VOTERS	202.50

Invoice	Date	Description	Check Sort Code	Amount
165772	05/13/2025	SUBS-MOBILE-REPAIR 05/13/25		202.50

Check	07/03/2025	14406	Accounts Payable	DALE HARDWARE	7,571.27

Invoice	Date	Description	Check Sort Code	Amount
JUN'25	06/25/2025	DALE SUPPLIES 06/25/25		7,571.27

Check	07/03/2025	14407	Accounts Payable	DEPARTMENT OF JUSTICE	422.00

Invoice	Date	Description	Check Sort Code	Amount
821075	06/04/2025	FINGERPRINTING FEES - 05/25		422.00

Check	07/03/2025	14408	Accounts Payable	EQUIFAX INFORMATION SVCS LLC	62.13

Invoice	Date	Description	Check Sort Code	Amount
2066118755	06/07/2025	CREDIT CHECK REPORTS-05/08/25-06/07/25		62.13

Check	07/03/2025	14409	Accounts Payable	EWING IRRIGATION PRODUCTS INC.	4,944.07

Invoice	Date	Description	Check Sort Code	Amount
26403802	06/11/2025	PVC PIPE CABLE SAW		6.10
26403546	06/11/2025	IRRIGATION PVC PIP, COUPLING, TAPE SAW		307.55
26655559	06/30/2025	IRRIGATION SUPPLIES-POS		4,147.87
26515770	06/19/2025	IRRIGATION REPAIR PARTS-VALVE, SPLICE KIT, TAPE, CRIMPER, PRUNER		482.55

Check	07/03/2025	14410	Accounts Payable	FEDEX	38.40

Invoice	Date	Description	Check Sort Code	Amount
8-899-77395	06/20/2025	PACKAGE DELIVERY 6/11/25		38.40

Check	07/03/2025	14411	Accounts Payable	FOUR SEASONS POOL SERVICE	3,258.03

Invoice	Date	Description	Check Sort Code	Amount
58757	06/12/2025	POOL SUCTION COVER REPLACEMENT 6/12/25		3,258.03

Check	07/03/2025	14412	Accounts Payable	GACHINA LANDSCAPE MANAGEMENT, INC.	1,154.72

Invoice	Date	Description	Check Sort Code	Amount
E 230081	06/27/2025	MOWRY AVE-IRRIGATION MAINLINE REPAIR 05/08/25		1,154.72

Check	07/03/2025	14413	Accounts Payable	GORDON HUETHER & PARTNERS, INC.	15,000.00

Invoice	Date	Description	Check Sort Code	Amount
NTG1a-2	06/11/2025	CONCEPT DESIGN FOR NEWARK OLD TOWN GATEWAY 06/11/25		15,000.00

Check	07/03/2025	14414	Accounts Payable	MARK GOTHARD	8,321.81

	Invoice	Date	Description	Check Sort Code	Amount
	032725060525	06/13/2025	KARATE / CHESS / ENERGY THROUGH IRON CLASSES 03/26-06/05/25		8,321.81
Check	07/03/2025	14415 Accounts Payable	GRAINGER		3,336.00
	Invoice	Date	Description	Check Sort Code	Amount
	9535479175	06/10/2025	LOW PROFILE PARK LIGHT		408.70
	9536003867	06/10/2025	PODIUM STEPLADDER		570.83
	9538773921	06/12/2025	SURFACE VERTICAL ROD		708.25
	9539102849	06/12/2025	HEAT GUN, CORDLESS RECIPROCATING SAW, SPOTLIGHT		1,199.57
	9539056987	06/12/2025	CAM LOCKS		13.81
	9539102831	06/12/2025	PODIUM STEPLADDER		360.04
	9540391878	06/13/2025	FAN PROPELLER BLADE		74.80
Check	07/03/2025	14416 Accounts Payable	STUDIO J PHOTOGRAPHY		1,649.00
	Invoice	Date	Description	Check Sort Code	Amount
	00396	06/23/2025	HEADSHOT PHOTOGRAPHY IN STUDIO FOR BRITTNEY FRYE		125.00
	00395	05/23/2025	VIDEOTAPING SERVICES FOR 2025 SOTC 05/23/25		1,524.00
Check	07/03/2025	14417 Accounts Payable	I PIZZA		1,001.00
	Invoice	Date	Description	Check Sort Code	Amount
	0503-05312025	06/20/2025	PIZZA FOR BIRTHDAY PARTIES 05/03 - 05/31/25		1,001.00
Check	07/03/2025	14418 Accounts Payable	HIROSHI ICHIMURA		3,098.40
	Invoice	Date	Description	Check Sort Code	Amount
	0503-061425	06/17/2025	KENDO CLASSES 05/03-06/14/25		3,098.40
Check	07/03/2025	14419 Accounts Payable	INDUSTRIAL PLUMBING SUPPLY, LLC.		464.69
	Invoice	Date	Description	Check Sort Code	Amount
	123449	06/09/2025	URINAL KIT AND HANDLE		464.69
Check	07/03/2025	14420 Accounts Payable	BULBULNAZ JALALIDIN (NAZ)		381.32
	Invoice	Date	Description	Check Sort Code	Amount
	062325EXP	06/24/2025	4IMPRINT-JACKETS FOR ECON DEV STAFF		381.32
Check	07/03/2025	14421 Accounts Payable	J4 SYSTEMS		712.50
	Invoice	Date	Description	Check Sort Code	Amount
	21272	06/09/2025	INTUNE SETUP - JOHN JOSEPH 06/05/25		285.00
	21290	06/12/2025	INTUNE SETUP - JOHN JOSEPH 06/11/25		427.50
Check	07/03/2025	14422 Accounts Payable	LIEBERT CASSIDY WHITMORE		2,200.00
	Invoice	Date	Description	Check Sort Code	Amount
	11853	06/25/2025	4-DAY FLSA ACADEMY 2025 - 09/03-09/04/25, 09/10-09/11/25		2,200.00
Check	07/03/2025	14423 Accounts Payable	JOSUE LOPEZ-DUENAS		103.90
	Invoice	Date	Description	Check Sort Code	Amount
	051425EXP	05/14/2025	MILEAGE/TOLL REIMBURSEMENT - VACTOR TRAINING 05/14/25		103.90
Check	07/03/2025	14424 Accounts Payable	LPC SERVICES, INC.		2,778.00
	Invoice	Date	Description	Check Sort Code	Amount
	81120	06/13/2025	PEST SERVICES - FIRE STATION #3 102701 6/13/25		240.00
	81122	06/13/2025	PEST SERVICES - SILLIMAN #102710 6/13/25		1,020.00

	81131	06/13/2025	PEST SERVICES - VIOLA BLYTHE #102704 6/13/25			260.00
	81007	06/13/2025	PEST SERVICES - SERVICE CENTER #102702 6/13/25			185.00
	81121	06/13/2025	PEST SERVICES - FIRE STATION #1 102707 6/13/25			275.00
	81214	06/13/2025	PEST SERVICES - CITY HALL #102699 6/13/25			267.00
	81247	06/13/2025	PEST SERVICES - CITY HALL #102699 6/13/25			175.00
	81249	06/13/2025	PEST SERVICES - LIBRARY #116524 6/13/25			175.00
	81248	06/13/2025	PEST SERVICES - PD #104419 6/13/25			181.00
Check	07/03/2025	14425 Accounts Payable	MFCP INC			96.53
	Invoice	Date	Description		Check Sort Code	Amount
	9503756	06/12/2025	FLEET LUBE			96.53
Check	07/03/2025	14426 Accounts Payable	KIDZ LOVE SOCCER			10,856.40
	Invoice	Date	Description		Check Sort Code	Amount
	0411-05302025	06/13/2025	KIDZ LOVE SOCCER CLASSES 04/11-05/30/25			5,324.40
	0330-05112025	06/13/2025	KIDZ LOVE SOCCER CLASSES 03/30-05/11/25			5,532.00
Check	07/03/2025	14427 Accounts Payable	OPPENHEIMER INVESTIGATIONS GROUP LLP			2,838.00
	Invoice	Date	Description		Check Sort Code	Amount
	7825	04/30/2025	CONDUCT A WORKPLACE INVESTIGATION 03/24-04/28/25			2,838.00
Check	07/03/2025	14428 Accounts Payable	PACIFIC COAST POLYGRAPH AND INVESTIGATIONS, INC.			1,200.00
	Invoice	Date	Description		Check Sort Code	Amount
	25-38	06/08/2025	POLYGRAPH SERVICES 05/10 - 05/19/25			1,200.00
Check	07/03/2025	14429 Accounts Payable	PET BENEFIT SOLUTION			60.50
	Invoice	Date	Description		Check Sort Code	Amount
	207101	06/26/2025	TOTAL PET PLAN - JUNE 2025 PREMIUMS			60.50
Check	07/03/2025	14430 Accounts Payable	PLAN JPA			5,069.00
	Invoice	Date	Description		Check Sort Code	Amount
	PLAN-0311	06/10/2025	GENERAL LIABILITY CLAIMS FY24/25 - MAY 2025			5,069.00
Check	07/03/2025	14431 Accounts Payable	CONSOLIDATED ENGINEERING LABORATORIES			1,215.20
	Invoice	Date	Description		Check Sort Code	Amount
	231365	06/11/2025	MATERIAL TESTING AND CONSTRUCTION INSP PRJ 1360 05/06-05/30/25			1,215.20
Check	07/03/2025	14432 Accounts Payable	JESSICA SABOGAL			2,500.00
	Invoice	Date	Description		Check Sort Code	Amount
	052225	05/22/2025	SCOPE OF WORK FOR OLD TOWN PROJECT TREE GRATES 05/22/25			2,500.00
Check	07/03/2025	14433 Accounts Payable	SAFETY COMPLIANCE MANAGEMENT INC			5,940.00
	Invoice	Date	Description		Check Sort Code	Amount
	10678	06/04/2025	COMPLIANCE AND SAFETY TRAINING FOR AQUATIC STAFF 06/02-06/03/25			5,940.00
Check	07/03/2025	14434 Accounts Payable	MIGUEL SANCHEZ-CASILLAS			204.00
	Invoice	Date	Description		Check Sort Code	Amount
	EXPREIMB-06/25	06/20/2025	RX FOR SAFETY GLASSES (PPE)			204.00
Check	07/03/2025	14435 Accounts Payable	SHUTE, MIHALY & WEINBERGER LLP			353.40

	Invoice	Date	Description	Check Sort Code	Amount
	291927	06/12/2025	LEGAL SERVICES - SANCTUARY WEST - SVCS THRU 05/31/25		353.40
Check	07/03/2025	14436 Accounts Payable	CLASSIC GRAPHICS		11,508.73
	Invoice	Date	Description	Check Sort Code	Amount
	51214	06/11/2025	FLEET FORD EXPLORER BODYWORK AND PAINT 05/11/25		11,508.73
Check	07/03/2025	14437 Accounts Payable	TIREHUB, LLC		2,315.92
	Invoice	Date	Description	Check Sort Code	Amount
	48616971	03/27/2025	TIRES - GY ASSUR MAXLIFE BW		1,208.97
	48726009	04/01/2025	TIRES - GY EAGLE ENFORCER AW		564.45
	49231385	04/23/2025	TIRE REPLACEMENT - GY EAGLE RS		542.50
Check	07/03/2025	14438 Accounts Payable	STEVEN TURNER		3,515.49
	Invoice	Date	Description	Check Sort Code	Amount
	0324-052025EXP	06/30/2025	TRAVEL & HOTEL FOR CONFERENCES ATTENDED 03/24-05/20/25		3,515.49
Check	07/03/2025	14439 Accounts Payable	BOSCO OIL INC DBA VALLEY OIL		29,575.65
	Invoice	Date	Description	Check Sort Code	Amount
	225976	06/09/2025	DIESEL FUEL & GASOLINE 06/09/25		29,575.65
Check	07/03/2025	14440 Accounts Payable	ORION SECURITY		1,155.20
	Invoice	Date	Description	Check Sort Code	Amount
	132158	06/21/2025	UNARMED, UNIFORMED SECURITY GUARD 06/16/25-06/19/25		1,155.20
Check	07/03/2025	14441 Accounts Payable	BUGARIN , JAZZLYNN		1,000.00
	Invoice	Date	Description	Check Sort Code	Amount
	2025-00002285	06/23/2025	SPECIAL EVENT PERMIT SECURITY DEPOSIT REFUND		1,000.00
Check	07/03/2025	14442 Accounts Payable	HANG , KARLA		700.00
	Invoice	Date	Description	Check Sort Code	Amount
	751530	06/30/2025	COMMUNITY CENTER RENTAL DEPOSIT REFUND		700.00
Check	07/03/2025	14443 Accounts Payable	VANAMAN , GINA		500.00
	Invoice	Date	Description	Check Sort Code	Amount
	751526	06/30/2025	COMMUNITY CENTER RENTAL DEPOSIT REFUND		500.00
Check	07/03/2025	14444 Accounts Payable	WRPRC		1,000.00
	Invoice	Date	Description	Check Sort Code	Amount
	2025-00002277	06/27/2025	SPECIAL EVENT PERMIT SECURITY DEPOSIT REFUND		1,000.00
EFT	07/03/2025	1598 Accounts Payable	ART BUILDS COMMUNITY LLC	322271627 / 521573215	15,000.00
	Invoice	Date	Description	Check Sort Code	Amount
	06252026	06/25/2025	PUBLIC ART PROJECT MANAGEMENT 06/25/25		15,000.00
EFT	07/03/2025	1599 Accounts Payable	METROPOLITAN PLANNING GROUP	121042882 / 2016189470	1,312.50
	Invoice	Date	Description	Check Sort Code	Amount
	2005127	06/10/2025	CEQA REVIEW FOR THE PROLOGIS PROJECT - SVCS THRU 05/31/25		1,312.50
EFT	07/03/2025	1600 Accounts Payable	REDWOOD PUBLIC LAW, LLP	121000358 / 325192270245	1,551.50
	Invoice	Date	Description	Check Sort Code	Amount

15502	05/31/2025	LEGAL SVCS/SANCTUARY WEST/ACQ. OF PROPERTY - SVCS THRU 05/31/25	107.00
15511	05/31/2025	LEGAL SERVICES FOR PROLOGIS DESIGN REVIEW - SVCS THRU 5/31/25	1,444.50

AP ZBA ACCOUNTS PAYABLE Totals: Transactions: 53 $164,432.80

Checks:	50	$146,568.80
EFTs:	3	$17,864.00

STAFF REPORT

Item D. 2.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Sheila Harrington, City Clerk
SUBJECT	Approval of July 10, 2025, minutes

Attachments

Minutes

CITY OF NEWARK
CITY COUNCIL
City Administration Building, City Council Chambers

37101 Newark Boulevard, Newark, CA 94560 | (510) 578-4266 | E-mail: city.clerk@newark.org

Minutes

Thursday, July 10, 2025
7:00 P.M.

A. ROLL CALL

Council Member Jorgens called the meeting to order at 7:00 p.m. Council Members Grindall, and Catancio were present. Mayor Hannon and Vice Mayor Little were noted absent.

B. PRESENTATIONS

C. PUBLIC COMMENT

Diann Castleberry, AC Transit External Affairs Representative/Deputy Project Manager stated that the Realign bus service changes begin on August 10, 2025. They are working with City staff to finalize a bus line extension into the Bayside neighborhood. Service change information may be found at actransit.org.

D. CONSENT CALENDAR

Council Member Grindall requested the removal of item D.2 minutes.

Council Member Catancio moved, Council Member Grindall seconded, to approve Consent Calendar items D.1, D.3 and D.4 and that reading of the titles suffice for adoption. The motion passed, 3 AYES, 2 ABSENT.

1. Approval of Audited Demands

2. Removed for separate consideration - Approval of June 26, 2025, minutes

3. Adopt a resolution authorizing the City Manager to execute Task Order No. 32 to the Joint Powers Agreement with the City of Fremont for Fiscal Year 2025-26 Senior Case Management Services
Resolution No. 11761

4. Adopt a resolution authorizing the City Manager to execute Task Order No.33 to the Joint Powers Agreement with the City of Fremont for Paratransit services with Ride On Tri-City!
Resolution No. 11762

NONCONSENT

2. Approval of June 26, 2025, minutes

Council Member Grindall requested more details in the minutes under the City Council Matters section when he requested that the Sanctuary Development school site be placed on a future council agenda.

City Manager Benoun stated the draft minutes will be reviewed and placed on the next City Council agenda. No action taken.

E. PUBLIC HEARINGS

F. OTHER BUSINESS

G. CITY MANAGER UPDATES

City Manager Benoun announced: Groovin's at the Grove Summer Concert on July 11, 2025 and the Mariachi Festival on July 27, 2025, both at the Shirley Sisk Grove. He stated that the City is working with Republic Services to restore service from a work stoppage that began on Tuesday. Free drop-off disposal services are available at the Fremont Recycling and Transfer Station for Newark residents and businesses. He stated that Republic Services was acquiring services and working on limited pick-ups on Friday and Saturday.

In response to Council Member Grindall's question, City Manager Benoun stated

that no injuries to people nor property occurred on the Fourth of July. He thanked City staff for their work.

H. CITY COUNCIL MATTERS

Council Member Catancio stated that she attended the Pancake Breakfast at the Fire Station and thanked staff for working the Fourth of July. She thanked the public for purchasing fireworks to support nonprofits. She announced that AVA Community Energy announced an electronic bike rebate program. She encouraged residents to enroll in Newark Summer camps. Shop Newark.

Council Member Jorgens thanked city staff for working the Fourth of July holiday.

I. CLOSED SESSION

J. ADJOURNMENT

Council Member Jorgens adjourned the meeting at 7:14 p.m.

STAFF REPORT

Item D. 3.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Brittney Frye, Human Resources Director
SUBJECT	Adopt a resolution approving a Memorandum of Understanding with the Newark Police Management Association

SUMMARY AND RECOMMENDATION

The current memorandum of understanding (MOU) with the Newark Police Management Association (NPMA) expired on June 30, 2025. City representatives met and conferred in good faith with the representatives of NPMA and have reached tentative agreement for a successor MOU as further outlined below.

Staff recommends that the City Council adopt a resolution approving the MOU with NPMA and amending the City's salary schedule in conformance with California Code of Regulations, Title 2, Section 570.5 to include salary adjustments provided in the MOU.

BACKGROUND

The City is a party to an existing MOU with the Newark Police Management Association (NPMA). The NPMA MOU covered the period of July 1, 2022 through June 30, 2025. Without a successor MOU in place prior to the expiration, the terms in the expired MOU continued July 1, 2025 and remain in effect. Staff has been negotiating in good faith for a successor MOU with NPMA. The City has reached tentative agreement on matters related to wages, hours, and other terms and conditions of employment with NPMA, consistent with authority provided by City Council.

DISCUSSION/ANALYSIS

Below is a summary of relevant provisions of the proposed MOU and the amendment to the City's salary schedule.

The City and NPMA have been negotiating a successor to the now expired MOU over multiple months. The proposed MOU is for the period of July 1, 2025 through June 30, 2028. The members of NPMA ratified the proposed MOU on July 1, 2025.

The proposed MOU includes the following new significant provisions:

General Salary Increase and Other Compensation:

- A four percent (4.0%) general salary increase effective July 11, 2025, and three

and one-half percent (3.5%) salary increases on July 1, 2026 and July 1, 2027 for a cumulative eleven percent (11.0%) general salary increase over the term of the MOU.

- In addition to the general salary increase provided to NPMA employees, a one-time supplemental base wage adjustment will be provided to first responders (Police Lieutenant and Police Captain). They will receive an additional three percent (3.0%) increase on July 11, 2025, and one and one-half percent (1.5%) salary increases on July 1, 2026 and July 1, 2027 for a cumulative seventeen percent (17.0%) general salary increase over the term of the MOU, including the above general salary increase.
- New ranges will be assigned to Police Lieutenant and Police Captain at seven percent (7%) above the current rate effective July 11, 2025; six percent (6%) above the July 11, 2025 rate effective July 1, 2026; and five percent (5%) above the July 1, 2026 rate effective July 1, 2027.
- Range adjustments for the classifications of Community Engagement Manager (proposing a move from Range 12 to Range 14) and Police Support Services Manager (proposing a move from Range 15 to Range 17).
- Changes to the qualifications for the current seven percent (7%) tier and the addition of a third tier of ten percent (10%) will be added to Education Incentive Pay for Police Lieutenants and Police Captains.

Cafeteria Plan for Medical, Dental, and Vision Insurance:

- Increases of ten percent (10%) on January 1, 2026, and five percent (5%) on January1, 2027 and January 1, 2028 to the City's contributions to each eligible NPMA employee's cafeteria plan for use towards medical, dental and vision insurance, as well as pro-ration of the plan benefits for regular, permanent staff working less than 30 hours per week, an amount equal to the following:

  Effective for the 2025 plan year:
  For Regular, Full-Time and Regular Part-Time 30-35 hour employees:
  Employee Only: $932
  Employee + 1 Dependent: $1,862
  Employee + 2 or more Dependents: $2,460

  For Regular Part-Time Employees working 20-25 hours:
  Employee Only: $466 - $582
  Employee + 1 Dependent: $931 - $1,164
  Employee + 2 or more Dependents: $1,230 - $1,537

  Effective for the 2026 plan year:
  For Regular, Full-Time and Regular Part-Time 30-35 hour employees:
  Employee Only: $1,026
  Employee + 1 Dependent: $2,049
  Employee + 2 or more Dependents: $2,706

  For Regular Part-Time Employees working 20-25 hours:
  Employee Only: $513 - $641
  Employee + 1 Dependent: $1,025 - $1,281

Employee + 2 or more Dependents: $1,353 - $1,691

Effective for the 2027 plan year:
For Regular, Full-Time and Regular Part-Time 30-35 hour employees:
Employee Only: $1,077
Employee + 1 Dependent: $2,151
Employee + 2 or more Dependents: $2,842

For Regular Part-Time Employees working 20-25 hours:
Employee Only: $539 - $673
Employee + 1 Dependent: $1,076- $1,344
Employee + 2 or more Dependents: $1,421 - $1,776

Effective for the 2028 plan year:
For Regular, Full-Time and Regular Part-Time 30-35 hour employees:
Employee Only: $1,131
Employee + 1 Dependent: $2,259
Employee + 2 or more Dependents: $2,985

For Regular Part-Time Employees working 20-25 hours:
Employee Only: $566 - $707
Employee + 1 Dependent: $1,130 - $1,412
Employee + 2 or more Dependents: $1,493 - $1,866

Other Miscellaneous Provisions:

- The 1.5% employee cost share of the employer's cost of the CalPERS pension benefit for Sworn PEPRA members will be eliminated after CalPERS approves a contract amendment.
- The City will observe June 19, Juneteenth, as a paid holiday.
- The bereavement leave policy was updated to include reproductive loss leave.
- For Police Lieutenant and Police Captain, General Leave conversion to cash is increased from eighty (80) hours to one hundred sixty (160) hours annually; accrual beyond the General Leave maximum is no longer allowed; and excess General Leave credits transferred to the Rollover Leave bank will be cashed out.

Salary Schedule:
The City's consolidated salary schedule must be amended to include the salary increases described above for NPMA effective July 11, 2025 (attached).

FISCAL IMPACT
The fiscal impact of the various actions over the term of the MOU are estimated at $2,376,000.

The City adopted a 2024-2026 Biennial Budget on June 27, 2024. The recently negotiated MOU applies to the second fiscal year of the biennium (Fiscal Year 2025-26). As such, a formal budget amendment is not immediately required. The fiscal

impact of the new MOU will be incorporated as part of the regular budget monitoring process and can be addressed during the mid-year budget update in March 2026.

REVIEW AND APPROVAL

Prepared by - Lenka Hovorka, Assistant City Manager
Reviewed by - Brittney Frye, Human Resources Director
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Resolution - NPMA Memorandum of Understanding

NPMA MOU Exhibit A

NPMA MOU Exhibit B Redlines

Consolidated Salary Schedule

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK APPROVING AND ADOPTING A MEMORANDUM OF UNDERSTANDING BETWEEN THE CITY OF NEWARK AND THE NEWARK POLICE MANAGEMENT ASSOCIATION, AUTHORIZING THE CITY MANAGER TO EXECUTE THE MEMORANDUM OF UNDERSTANDING AND APPROVING AN AMENDMENT TO THE CITY'S SALARY SCHEDULE IN CONFORMANCE WITH CALIFORNIA CODE OF REGULATIONS, TITLE 2, SECTION 570.5

WHEREAS, the current Memorandum of Understanding between the City of Newark (the "City") and the Newark Police Management Association ("NPMA") expired on June 30, 2025; and

WHEREAS, the City and NPMA entered into negotiations for a successor memorandum of understanding; and

WHEREAS, pursuant to the provisions of the Meyers-Milias-Brown Act (Government Code Section 3500, *et seq*.) and the Newark Municipal Code, the City Manager or his designee, as authorized by the City Council, has met and conferred in good faith with the representatives of NPMA on matters related to wages, hours, and other terms and conditions of employment; and

WHEREAS, the representatives of the City and NPMA have reached a tentative agreement to a successor MOU dated July 1, 2025 (the "MOU"), attached hereto and incorporated herein by this reference as Exhibit A with a redlined version of the prior MOU attached hereto as Exhibit B for general reference only; and

WHEREAS, the membership of NPMA ratified the agreement as of July 1, 2025; and

WHEREAS, the City Council finds that the terms and conditions of the MOU are proper and in the best interests of the City.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newark that the City Council hereby approves and adopts the MOU for NPMA, effective July 1, 2025 and authorizes the City Manager to execute the MOU and to take such further actions as may be necessary to implement the MOU including any necessary non-substantive modifications.

BE IT FURTHER RESOLVED that if any provisions contained herein are found to be in conflict with any provisions of any other previous resolutions pertaining to the NPMA MOU, the provisions herein shall prevail.

BE IT FURTHER RESOLVED that the City Council hereby approves an amendment to the City's Salary Schedule to reflect the revisions in compensation provided pursuant to the NPMA MOU, effective July 11, 2025.

EXHIBIT A

MEMORANDUM OF UNDERSTANDING

BETWEEN

CITY OF NEWARK

AND

NEWARK POLICE MANAGEMENT ASSOCIATION

JULY 1, 2025

THROUGH

JUNE 30, 2028

Adopted:

July 24, 2025

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A Newark Police Management Association Pay Plan
B Salary Schedule
C General Leave Plan

MEMORANDUM OF UNDERSTANDING
BETWEEN
CITY OF NEWARK AND NEWARK POLICE MANAGEMENT ASSOCIATION

I. TERM

This agreement shall be in effect from July 1, 2025 through June 30, 2028.

II. RECOGNITION

The City of Newark ("City") recognizes the Newark Police Management Association ("NPMA"), hereinafter referred to as the "Association," as the majority representative for regular full-time employees in the sworn classifications and full-time and regular part-time non-sworn classifications listed below, pursuant to Employer-Employee Relations Resolution No. 1833:

Police Captain
Police Lieutenant
Community Engagement Manager
Police Support Services Manager

III. DEFINITIONS

For purposes of this Memorandum of Understanding ("MOU" or "Agreement"), unless the context otherwise requires, the following definitions in this Agreement shall apply:

A. "Employees" shall mean those regular full-time and regular part-time employees of the City of Newark occupying classifications represented by the Newark Police Management Association.

B. "Employer" shall mean the City of Newark.

C. "Non-sworn" refers to those personnel occupying the classifications of Police Support Services Manager and Community Engagement Manager.

D. "Sworn" refers to personnel occupying classifications of Police Captain and Police Lieutenant.

IV. COMPENSATION

Employees shall be compensated pursuant to the Newark Police Management Association Pay Plan as set forth in Attachment A and Attachment B attached hereto and incorporated herein by this reference.

A. GENERAL SALARY INCREASE

Effective July 11, 2025, all employees shall receive a four percent (4%) salary increase.

Effective July 1, 2026, all employees shall receive a three percent and one-half percent (3.5%) salary increase.

Effective July 1, 2027, all employees shall receive a three percent and one-half percent (3.5%) salary increase.

B. SALARY RANGE INCREASE

Effective July 11, 2025, the range for Community Engagement Manager will be increased to Range 14.

Effective July 11, 2025, the range for Police Support Services Manager will be increased to Range 17.

Effective July 11, 2025, the ranges for Police Lieutenant and Police Captain will be increased by 7%.

Effective July 1, 2026, the ranges for Police Lieutenant and Police Captain will be increased by 6%.

Effective July 1, 2027, the ranges for Police Lieutenant and Police Captain will be increased by 5%.

C. ONE-TIME SUPPLEMENTAL FIRST RESPONDER BASE WAGE ADJUSTMENTS

On a one-time basis and during the term of this Agreement sworn employees shall receive the following supplemental increases in addition to the increase identified in the General Salary Increase in Section A above:

Effective July 11, 2025, the supplemental salary increase shall be three percent (3.0%).

Effective July 1, 2026, salary increase shall be one and one-half percent (1.5%).

Effective July 1, 2027, salary increase shall be one and one-half percent (1.5%).

D. Should the classifications of Police Sergeant or Public Safety Dispatch Supervisor receive an increase included in total compensation that exceeds the increases provided in this section during the period of July 1, 2025 – June 30, 2028, the City and NPMA agree to meet and confer on potential impacts of those increases.

E. LONGEVITY PAY

Regular full-time employees in the classifications of Police Lieutenant and Police Captain are eligible for longevity pay as follows:

Upon commencement of ten (10) years of service – two and one-half percent (2.5%) salary increase.

Upon commencement of fifteen (15) years of service – five percent (5.0%) salary increase.

Upon commencement of twenty (20) years of service – seven and one-half percent (7.5%) salary increase.

Longevity pay is computed on base compensation only. The maximum longevity pay premium is seven and one-half percent (7.5%) of salary for eligible employees.

For service to meet the requirements of longevity pay, it must meet all of the following criteria:

- Full-time sworn service in the classifications of Police Officer, Police Corporal, Police Sergeant, Police Lieutenant, Police Commander, Police Captain, and/or similar sworn position; in a public sector agency, including probationary time; and

- Active service (in a paid status) or approved leave without pay that qualifies for FMLA, CFRA, PDL, workers' compensation or other protected leaves per state or federal law.

V. **WORKING HOURS**

A. Full-time employees work forty (40) hours per week and as necessary. The City Manager may revise the standard work schedule upon reasonable notice.

B. Sworn employees work a Four/Ten (4/10) schedule that equates to forty (40) hours per week in a two (2) week period. Typically, an employee assigned to this work schedule will work ten (10) hours per day for four (4) days in one (1) week.

C. City offices will be closed for business during the December holiday season. Non-essential employees, as determined by the City Manager, will participate in a four-day furlough. Employees may use general leave, management leave, holiday or floating holidays during the furlough.

D. Eligible employees on leave of absence without pay due to the furlough shall be paid holiday pay for holidays occurring during the furlough. Employees on an

approved leave of absence without pay that started before December 10 and extends through or beyond December 31 will not be affected by the furlough and will not be eligible for holiday pay.

E. Employees who elect a leave of absence without pay for the furlough may request up to a four (4) day salary advance. This salary advance must be requested by June 1 preceding the furlough. Repayment of a salary advance for the furlough may be spread over a period of time provided that:

1. There is two (2) weeks advance notice to payroll,

2. The salary advance is fully repaid no later than the last full pay period of the calendar year, so all payments occur within the same calendar and fiscal year of the furlough,

3. Payments begin no earlier than July 1 of the impacted calendar year, and

4. The repayment plan is approved by the Finance Director, or designee prior to the furlough.

F. The Police Support Services Manager and Community Engagement Manager will normally be assigned to a Four/Ten (4/10) schedule. The Police Chief may authorize a different work schedule if such change is needed to achieve management objectives. Alternatives to the work schedules outlined above will be subject to the approval of the City Manager.

VI. LABOR MARKET

The following agencies comprise the designated labor market for the purpose of salary and benefit survey comparisons: Foster City, Fremont, Hayward, Livermore, Menlo Park, Milpitas, Pleasanton, Redwood City, San Leandro, and Union City.

"Total compensation" for survey purposes shall include:

- Top step/range base salary.
- That portion of the employer's PERS contribution that is paid by the employee (employee contributions to the employer's PERS costs shall be reflected as a negative number).
- The amount of the highest premium the employer will pay for family coverage of medical, dental, and vision premiums.
- Any premiums paid by the employer for life insurance.
- Any premiums paid by the employer for long term and/or short term disability.

For discussion purposes, the parties will prepare an alternative "Total compensation" survey that includes the items above and adds the following:

- The maximum amount paid by the employer for educational achievements or POST certificates.
- The maximum amount paid by the employer for length of service.
- The maximum number of holiday hours or holiday pay provided by the employer.
- The maximum amount paid by the employer toward a deferred compensation program.

VII. ACTING/SPECIAL ASSIGNMENT PAY

A. Employees are eligible for premium pay of five percent (5%) over base salary while acting in a higher classification when assigned and prescribed by the City Manager.

B. The City agrees to pay regular full-time employees bilingual assignment pay of one hundred dollars ($100) per month. Regular part-time employees scheduled to work thirty to thirty-five (30-35) hours per week will receive bilingual assignment pay of seventy-five dollars ($75) per month and regular part-time employees scheduled to work twenty to twenty-five (20-25) hours per week will receive bilingual assignment pay of fifty dollars ($50) per month. Eligibility for bilingual assignment pay shall be based on the provisions outlined in Administrative Regulation 0522 which establishes a policy and procedures for receiving bilingual assignment pay:

1. Employees will be required to pass an initial fluency test administered by the City or an independent testing service. Employees will be required to undergo periodic testing of skill level to remain eligible for bilingual pay.

2. Eligible languages will be determined by the City.

3. Employees must be in a classification that brings them into regular contact with the general public.
4. The City retains the right to make the final determination regarding eligibility for bilingual assignment pay.

VIII. RETIREMENT

A. All employees who were appointed prior to January 1, 2013 and all “Classic Members” (as defined by CalPERS) are referred herein either as “Classic Members” or as “Classic”.

B. The City shall continue to provide to all sworn Classic employees a retirement formula known as three percent at fifty (3% at 50) together with single year highest compensation, military service credit for prior service, and the indexed level 1959 survivor benefit options of the CalPERS pension plan. Sworn Classic Members continue to pay the nine percent (9%) employee rate for the three percent at fifty (3% at 50) retirement formula plus continue to pay up to four percent (4%) of an additional contribution in accordance with the following formula for a current total

pre-tax contribution of thirteen percent (13%).

Sworn Classic members will contribute a matching percentage of salary in the form of an increase in employee contribution rate during the term of this agreement if the CalPERS Safety Plan employer actuarial rate for the three percent at fifty (3% at 50) retirement formula exceeds seventeen percent (17%) to a maximum of twenty-five percent (25%). In the event that the employer rate exceeds twenty-five percent (25%), the City shall be responsible for any increase above twenty-five percent (25%). In subsequent years, if the rate over seventeen percent (17%) decreases, the sworn Classic members matching percentage of salary in the form of the employee contribution rate will be reduced by the above formula. Employer rate reductions below seventeen percent (17%) will not be shared with sworn Classic members under the above formula.

The following example is for illustrative purposes only:

If the CalPERS Safety Plan employer actuarial rate for the three percent at fifty (3% at 50) retirement formula increased from seventeen percent (17%) to twenty percent (20%) effective July 1, 2026,the sworn Classic members' rate would increase from nine percent (9%) to ten and one-half percent (10.5%).

The City would then be responsible for the matching one and one-half percent (1.5%). If the rate decreased from twenty percent (20%) to eighteen percent (18%), the sworn Classic members' rate would decrease by one percent (1%). The members' rate increase or decrease would be done through a contract amendment with CalPERS and the City.

C. The City shall continue to provide to all non-sworn Classic management employees a retirement formula known as two and one-half percent at fifty-five (2.5% at 55) together with single year highest compensation, pre-retirement optional settlement level 2 death benefit, military service credit for prior service, and the indexed level 1959 Survivor Benefit options of the CalPERS pension plan. Non-Sworn Classic Members continue to pay the eight percent (8%) employee rate for the two and one-half percent at fifty-five (2.5% 55) retirement formula plus continue to pay up to three and four hundred sixty eight thousandths percent (3.468%) of an additional contribution in accordance with the following formula for a total tax deferred contribution of eleven and four hundred sixty eight thousandths percent (11.468%).

Non-sworn Classic members will contribute a matching percentage of salary in the form of an increase in employee contribution rate during the term of this agreement if the CalPERS Miscellaneous Plan employer actuarial rate for the two and one-half percent at fifty-five (2.5% at 55) retirement formula exceeds ten percent (10%) to a maximum of sixteen and nine hundred thirty sixty thousandths percent (16.936%). In the event that the employer rate exceeds sixteen and nine hundred thirty sixty thousandths percent (16.936%), the City shall be responsible for any increase above sixteen and nine hundred thirty sixty thousandths percent (16.936%). In subsequent years of the term of the agreement, if the rate over ten percent (10%) decreases, non-sworn Classic members' matching percentage of salary will be reduced by the above formula. Employer rate reductions below ten percent (10%) will not be shared under the above formula.

The following is for illustrative purposes only:

If the CalPERS Miscellaneous Plan employer actuarial rate increases to ten percent (10%), each Classic non-sworn member would contribute zero (-0-) from their salary to pay for the retirement benefit. If the rate increases by three percent (3%), each non-sworn Classic member would contribute half of the three percent (3%) increase, one and one-half percent (1.5%), from their salary to pay for the retirement benefit. The City would then be responsible for the matching one and one-half percent (1.5%). If the rate decreased by three percent (3%), the non-sworn Classic member would no longer contribute the additional one and one-half percent (1.5%) of their salary towards the employer rate to pay for the retirement benefit.

D. The City shall provide to sworn employees who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) a retirement formula known as two and seven tenths percent at fifty-seven (2.7% at 57) in accordance with the Public Employees' Pension Reform Act of 2013.

Sworn employees who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) will contribute half the normal cost of the two and seven tenths percent at fifty-seven (2.7% at 57) plan as required by the Public Employees' Pension Reform Act of 2013.

In addition to paying the employee rate, sworn PEPRA Members currently pay an additional contribution of one and one-half percent (1.5%) of the employee rate. If CalPERS approves a contract amendment for the City of Newark that eliminates the one and one-half percent (1.5%) contribution the City agrees to amend its contract for sworn PEPRA Members accordingly.

E. The City shall provide to all non-sworn employees who were appointed on or after January 1, 2013 who are non-sworn PEPRA Members (as defined by CalPERS) a retirement formula known as two percent at sixty-two (2% at 62) in accordance with the Public Employees' Pension Reform Act of 2013.

Non-sworn employees who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) will contribute half the normal cost of the two percent at sixty-two (2% at 62) plan as required by the Public Employees' Pension Reform Act of 2013.

In addition to paying the employee rate, non-sworn PEPRA Members will pay the same percentage of an additional contribution as non-sworn Classic Members pay.

F. The City shall provide the one (1) year highest compensation option to Classic sworn and non-sworn members. The City shall provide the three (3) year average compensation requirement to PEPRA members as defined above.

IX. HEALTH AND WELFARE PROGRAMS

A. The contribution by the City toward monthly premiums for health and welfare programs of employees shall be the Minimum Employer Contribution as determined by CalPERS for employers under the Public Employees' Medical and Hospital Care Act (PEMHCA). In the event that an employee elects to waive participation in the Program, that amount will be paid to the employee as part of the Cash-in-Lieu benefit as provided below in Section C. The employee shall execute a waiver in the event the employee elects not to participate in the PERS Health Benefit Program or cancel participation after enrollment.

B. The City agrees to maintain a cafeteria plan under Section 125 of the Internal Revenue Code (IRC). The cafeteria plan allows employees to voluntarily reduce salary in an amount equal to the actual premiums for the PERS Health Plan, City-administered dental insurance and/or vision insurance as a before-tax conversion of salary. In the event of changes in law affecting the Flexible Benefit Plan, the City agrees to meet and confer with the Association regarding the impact of such changes.

Effective for the 2025 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $932
Employee + 1 Dependent: $1,862
Employee + 2 or more Dependents: $2,460

For Regular Part-Time Employees working twenty to twenty-five (20-25) hours:

Employee Only: $466-$582
Employee + 1 Dependent: $931-$1,164
Employee+ 2 or more Dependents: $1,230-$1,537

Effective for the 2026 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,026
Employee + 1 Dependent: $2,049
Employee + 2 or more Dependents: $2,706

For Regular Part-Time Employees working twenty to twenty-five (20-25) hours:

Employee Only: $513-$641
Employee + 1 Dependent: $1,025-$1,281
Employee+ 2 or more Dependents: $1,353-$1,691

Effective for the 2027 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,077
Employee + 1 Dependent: $2,151
Employee + 2 or more Dependents: $2,842

For Regular Part-Time Employees working twenty to twenty-five (20-25) hours:

Employee Only: $539-$673
Employee + 1 Dependent: $1,076-$1,344
Employee+ 2 or more Dependents: $1,421-$1,776

Effective for the 2028 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,131
Employee + 1 Dependent: $2,259
Employee + 2 or more Dependents: $2,985

For Regular Part-Time Employees working twenty to twenty-five (20-25) hours:

Employee Only: $566-$707
Employee + 1 Dependent: $1,130-$1,412
Employee+ 2 or more Dependents: $1,493-$1,866

C. Cash Back / Cash In Lieu of Benefits:

1. Cash-In-Lieu: Employees electing not to participate in the City's cafeteria plan and waiving all medical, dental, and vision benefits, will receive four hundred fifty dollars ($450) "cash-in-lieu" of benefits, which includes the PEMCHA minimum per Section A above.

2. Cafeteria Plan Cash-Back: Employees who participate in the cafeteria plan but who do not utilize the full benefit allowance, may receive up to four hundred fifty dollars ($450) per month of any money not used for the purchase of employer offered benefits. Any "cash-in-lieu and cafeteria plan "cash back" will be paid to the employee in taxable compensation.

For Regular Part-Time Employees working thirty to thirty-five (30-35) hours the cash-in-lieu and cash back amount will be three hundred thirty-eight dollars ($338) to three hundred ninety-four dollars ($394).

For Regular Part-Time Employees working twenty to twenty-five (20-25) hours the cash-in-lieu and cash back amount will be two hundred twenty-five dollars ($225) to two hundred eighty-one dollars ($281).

D. City and Association agree that in the event of any additional federal or state mandates requiring employer contributions for health care coverage, the City and Association shall reopen the memorandum of understanding to meet and confer on the issue of health care premiums and its impact on total compensation.

E. All regular full-time employees in the Association shall receive an allowance of one hundred dollars ($100) per month intended to be used towards the cost of health care premiums, long-term disability premiums, and/or reimbursement for medical, dental, vision, and prescription expenses. All regular part-time employees in the Association shall receive an allowance of up to seventy-five dollars ($75) for thirty to thirty-five (30-35) hour employees and up to fifty dollars ($50) for twenty to twenty-five (20-25) hour employees. This allowance will be reported as taxable income and provided to employees based on the following criteria:

An employee must be in a paid status (on the payroll) in order to receive the allowance. During any unprotected leave of absence without pay, an employee is not eligible to receive the health care benefit allowance.

Employees appointed to a classification covered by this Compensation Plan will be eligible for the health and welfare benefit on the first of the month coincident to or immediately following appointment.

When an employee is terminated or in an unpaid leave status, the health and welfare benefit shall be paid on a monthly pro-rata basis. To qualify for pro-

rate pay, the employee must serve fifty percent (50%) of the working days in the month.

X. LIFE INSURANCE

The City will provide City-paid life insurance coverage of fifty thousand dollars ($50,000) to each employee. Additional life insurance can be purchased at the employee's option on an after-tax payroll deduction basis.

XI. UNIFORM MAINTENANCE AND PROVISION OF UNIFORMS

Sworn employees designated as public safety shall receive a uniform maintenance allowance of one hundred dollars ($100) per month.

The Police Support Services Manager and Community Engagement Manager shall receive a uniform maintenance allowance of forty-five dollars ($45) per month for the purchase and maintenance of City approved uniforms.

XII. EDUCATIONAL REIMBURSEMENT

A. Job-related Training

1. The City Manager may authorize reimbursement up to one hundred percent (100%) of the cost for professional courses and programs that are directly related to the employee's job or which will prepare the employee for advancement or acceptance of greater responsibility. A certificate of completion or a passing course grade must be attained for reimbursement.

B. Plan and Agreement for a College Degree Program

1. In addition to job-related training, the City Manager may authorize reimbursement for up to ten thousand dollars ($10,000) of the cost for tuition fees and required text books for a college degree program directly related to the employee's job which will prepare the employee for advancement or acceptance of greater responsibility provided that the employee attains a course grade of "C" or a passing grade as defined by the degree program if that requirement is higher than a "C" grade.

2. If an employee receives more than five thousand dollars ($5,000) dollars during their term of employment with the City of Newark in a college degree program, the employee is required to sign an Educational Reimbursement Plan Agreement in order to qualify for and to participate in the Educational Reimbursement College Degree Program. The employee is then subject to the Educational Reimbursement Plan and Agreement for a College Degree Program as follows:

a. Employee will maintain employment with the City of Newark for a period of five (5) years after completion of the last class taken under the Education Reimbursement Plan; and

b. In the event that employee leaves the City of Newark and does not complete the five (5) year employment period, employee warrants that they will reimburse to the City all money paid [up to ten thousand dollars ($10,000)] under the Educational Reimbursement Plan as follows:

   i. One hundred percent (100%) of money paid if the employee voluntarily leaves city employment in the first year after completion of the last class taken under the Educational Reimbursement Plan.

   ii. Eighty percent (80%) of money paid if the employee voluntarily leaves city employment in the second year after completion of the last class taken under the Educational Reimbursement Plan.

   iii. Sixty percent (60%) of money paid if the employee voluntarily leaves city employment in the third year after completion of the last class taken under the Educational Reimbursement Plan.

   iv. Forty percent (40%) of money paid if the employee voluntarily leaves city employment in the fourth year after completion of the last class taken under the Educational Reimbursement Plan.

   v. Twenty percent (20%) of money paid if the employee voluntarily leaves city employment in the fifth year after completion of the last class taken under the Educational Reimbursement Plan.

   vi. After five (5) years following completion of the last class taken under the Educational Reimbursement Plan, employee owes no further monetary obligation to the City of Newark for participation in the Educational Reimbursement Plan.

3. To qualify for the Educational Reimbursement College Degree Program, degree program courses must be received from an accredited institution as identified on the U.S. Department of Education's List of Nationally Recognized Accrediting Agencies or the Council for Higher Education Accreditation's (CHEA) List of Participating and Recognized Organizations.

C. Education Incentive Pay

An employee promoted from Police Sergeant who at the time of promotion is receiving Education Incentive Pay shall continue to receive that payment for a period of up to four (4) years from the date of the promotion. If the employee has not qualified for the Education Incentive Pay under the terms of this section within four (4) years of the date of promotion, the employee's Education Incentive Pay shall be terminated.

Full-time permanent employees in the classifications of Police Lieutenant and Police Captain are eligible for the following education incentive pay:

Eligible employees meeting the below listed education requirements will receive an additional five percent (5%) above base salary:

- Bachelor's Degree, in conjunction with the successful completion of the following additional educational program:
    - California Commission on Peace Officer Standards and Training (CA POST) Supervisory Course

Eligible employees meeting the below listed education requirements will receive an additional seven percent (7%) above base salary:

- Bachelor's Degree, in conjunction with the successful completion of the following additional educational program:
    - CA POST Management Course

Eligible employees meeting the below listed education requirements will receive an additional ten percent (10%) above base salary:

- Bachelor's Degree, in conjunction with the successful completion of one (1) of the following additional educational programs:
    - FBI National Academy
    - CA POST Command College
    - Master's Degree, Juris Doctorate or PhD
    - Police Executive Research Forum Senior Management Institute for Police
    - California Police Chief's Association Executive Leadership Institute at Drucker

The Police Chief, with City Manager approval, may add equivalent programs to these lists as appropriate.

Eligible employees may only receive compensation for one (1) Education Incentive Program category. The maximum education incentive pay premium is ten percent (10%) above base salary for eligible employees.

XIII. RECREATION BENEFITS

Employees and their spouses or registered domestic partners and up to two (2) children or grandchildren living in the same household, twenty-six (26) years of age and under, may use the gym, exercise equipment and aquatic facilities (excluding classes and facility rentals) at the Silliman Community Activity and Family Aquatic Center free of charge.

Employees, their spouses or registered domestic partners, and their children and grandchildren twenty-six (26) years of age and under, will receive resident rates for class registration and facility rentals.

XIV. PRORATION OF HOLIDAY, GENERAL, AND BEREAVEMENT LEAVE ACCRUALS FOR REGULAR PART-TIME EMPLOYEES (RPT)

Regular part-time employees will receive prorated holiday, general, and bereavement leave accruals based on eligibility to receive leave and the actual hours worked or budgeted to work. For example, an RPT employee who works thirty-five (35) hours per week will receive seven (7) hours of pay per holiday. An RPT employee who works twenty-four (24) hours per week will receive four and eight tenths (4.8) hours of pay per holiday. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for proration.

XV. MANAGEMENT LEAVE

The City Manager, upon the recommendation of the Police Chief, will establish an annual allocation of up to forty (40) hours of management leave per fiscal year for each eligible employee in recognition of the extra hours of work required of this employee for which compensation in the form of overtime pay is not provided. The City Manager may authorize up to an additional sixteen (16) hours of management leave.

Management leave may be used for leave purposes only and cannot be converted to pay or carried over from one fiscal year to another.

Management leave must be taken prior to separation.

Regular part-time employees may be granted management leave proportionally to their assigned work hours as recommended by the Chief of Police with approval by the City Manager.

XVI. GENERAL LEAVE

The General Leave Plan shall provide compensated leave for those eligible employees who are absent from duty because of illness, death in the family, medical or dental care appointments, family care, personal reasons or who utilize the time off as vacation. The General Leave Plan is attached to this Agreement as Attachment C.

XVII. SICK LEAVE

Each eligible employee shall have a sick leave bank in which that employee may accrue and use sick leave credits pursuant to the General Leave Plan. Sick leave credits may be used toward early retirement under the Public Employees' Retirement System plan.

XVIII. BEREAVEMENT AND REPRODUCTIVE LOSS LEAVE

A. Bereavement Leave

Regular full-time employees may be granted up to a maximum of forty (40) hours of paid bereavement leave where there has been a death of a spouse, registered domestic partner, sibling, parent, stepparent, grandparent, grandchild, grandparent-in-law, parent-in-law, sibling-in-law, or child-in-law of an employee.

Up to eighty (80) hours of paid bereavement leave may be granted for the death of a child or stepchild.

B. Reproductive Loss Leave

Regular full-time employees may be granted reproductive loss leave of five (5) days where there has been a reproductive loss event such as miscarriage, stillbirth, failed adoption, or failed surrogacy of the employee, employee's spouse, or employee's registered domestic partner.

Reproductive loss leave is an unpaid protected leave and may be granted in five (5) day increments for each reproductive loss event up to a maximum of twenty (20) days in any twelve (12) month period.

Regular part-time employees shall be eligible for prorated bereavement and reproductive loss leave as described in Section XIV. and listed below:

Work Schedule	Prorated Bereavement and Reproductive Loss Leave
30-35 work hours	up to a maximum of 30-35 hours
20-25 work hours	up to a maximum of 20-25 hours

XIX. **HOLIDAYS**

A. The following days shall be recognized as municipal holidays:

- January 1, New Year's Day
- Third Monday in January, Martin Luther King, Jr. Day
- Third Monday in February, Presidents Day
- Last Monday in May, Memorial Day
- June 19, Juneteenth
- July 4, Independence Day
- First Monday in September, Labor Day
- November 11, Veterans Day
- Thanksgiving Day
- Friday following Thanksgiving Day
- December 24, Christmas Eve Day
- December 25, Christmas Day
- Two Floating Holidays, to be scheduled subject to approval by the Chief of Police

Regular full-time non-sworn employees will receive eight (8) hours of pay for each holiday that falls on a scheduled workday. Regular part-time non-sworn employees will receive prorated holiday pay pursuant to Section XIV Proration Of Holiday, General, And Bereavement Leave Accruals For Regular Part-Time Employees (RPT).

When any day recognized as a holiday by the City falls on a Sunday, the following Monday shall be considered the holiday. When any day recognized as a holiday by the City falls on a Saturday, the preceding Friday shall be considered the holiday.

The floating holiday must be scheduled and used during the fiscal year.

If an employee's hire date falls between July 1 and December 31, the employee will be eligible for the floating holiday during the current fiscal year. If an employee's hire date falls between January 1 and June 30, the employee will be eligible for the floating holiday beginning July 1, of the next fiscal year.

Holidays shall not be carried over from one fiscal year to another. Upon separation, an unused holiday cannot be converted to cash.

With the continuation of the Nine/Eighty (9/80) bi-weekly work schedule, Closed Holiday Credits and debits will be calculated for each employee by Payroll and will be funded in the employee's Floating Holiday Bank on July 1 of the current fiscal year. Closed Holiday Credits are subject to all the benefits and restrictions of a Floating Holiday. They have no cash value and cannot be carried over from one fiscal year to the next fiscal year. If the employee separates from service before the end of the fiscal year, no further adjustments in the Closed Holiday Credits will be made.

If the employee does not have any accrued leave available to be charged for the additional hour(s) for the holiday, the employee shall be charged with leave without pay.

B. Public Safety Management

Regular full-time sworn employees in the classification of Police Captain and Police Lieutenant shall receive as compensation in-lieu of holidays an amount equal to seven percent (7%) of regular pay, to be paid each pay period. (See Section XIX. A. for the complete list of holidays.)

C. Regular Part-Time Employees

Upon completion of one thousand forty (1,040) work hours or one (1) year of continuous active service, whichever occurs first, regular part-time employees shall be eligible for prorated holidays in accordance with Section XIX. and as listed below:

Work Schedule	Holiday Pay
30-35 work hours	6-7 hours per holiday
20-25 work hours	4-5 hours per holiday

XX. GRIEVANCE PROCEDURE

Any dispute between the City and an employee regarding the interpretation or application of this MOU shall be considered a grievance. A grievance may be filed by an employee on their own behalf or by the President of the Association and/or their designated representative effecting the rights of an employee pursuant to this agreement who is represented by the Association. For purposes of this section, all notices required herein shall be effected when personally served supported by a declaration under penalty of perjury of the fact of personal service stating the time, place and person served. Notice may also be served by addressing said notice to the City supervisor involved at the City Administration Building or the employee at his home address as shown in the Human Resources Office, postage prepaid, mailed by certified mail return receipt requested. Notice sent by certified mail shall be considered served upon deposit in the U.S. Mail postage prepaid.

A written grievance shall contain a complete statement of the grievance, the alleged facts upon which the grievance is based, the reasons for the grievance, the remedy requested, and the sections of this agreement alleged to have been violated. The grievance shall be signed and dated by the employee and/or the President of the Association on behalf of an employee represented by the Association.

Hearings on grievances and actual filing of grievances may be processed during normally scheduled working hours. All other activities related to the employee's or Association's preparation and processing of the appeal grievance shall be done outside of scheduled working hours. No employee or Association representative shall

be entitled to any additional compensation or premium pay for any time spent in preparing or processing grievances. No grievances shall be processed during periods of overtime.

The employee or the Association shall pay for the time and expenses of their representatives and witnesses through all stages of the grievance procedure.
Witnesses who are City employees and who are on duty at the time of a scheduled appearance shall be released from duty without loss of compensation for the time required to testify. One spokesperson from the Association shall be permitted to be present without loss of compensation during hearings on grievances.

Time limits set forth herein for processing of the grievance procedure are of the essence of this procedure and are to be strictly complied with. Time limits may be extended only by written mutual agreement of the employee and/or Association and the supervisor conducting a hearing.

Any grievance not filed or appealed by the employee within the time limits specified shall be considered settled on the basis of the last disposition given. In the event the grievance is not answered by the City within the time limits set forth herein, the employee may and/or the Association on behalf of the employee may take the grievance to the next higher step in the grievance procedure within the time limits provided.

No resolution of any grievance shall be contrary to the provisions of this MOU.

An Association employee shall not be penalized if he/she erroneously files a grievance rather than an appeal or vice versa under City of Newark Ordinance No. 77.10, Section 8, RIGHT OF APPEAL. At such time as the employee is notified in writing that the wrong procedure has been utilized, the employee shall refile the action as a grievance or appeal within five (5) calendar days of the date of notification of erroneous filing.

Grievances shall be processed in the following manner:

A. Within ten (10) calendar days of the occurrence of the matter on which a grievance is based, the employee and/or Association representative shall discuss the grievance in a meeting with the immediate supervisor of the employee involved.

B. If after such discussion the employee and/or the Association does not believe the problem has been satisfactorily resolved, they shall have the right, within ten (10) calendar days of the occurrence of the matter to file a formal written grievance of the personnel action with the employee’s immediate supervisor.

C. Within ten (10) calendar days of receipt of the notice of formal written grievance, the immediate supervisor shall provide their decision in writing to the employee and/or Association representative.

D. Within ten (10) calendar days of the receipt of the decision from the employee's immediate supervisor, the employee and/or the Association may appeal the grievance by presenting a formal written appeal on the grievance to the Chief of Police.

E. Within ten (10) calendar days of receipt of the formal appeal on the grievance, the Chief of Police shall provide a written decision to the employee and/or Association.

F. Within ten (10) calendar days of receipt of the decision of the Chief of Police, the employee and/or the Association may present a formal appeal of the grievance to the City Manager. The City Manager or their designated representative within ten (10) calendar days of receipt of the appeal shall make a thorough review of the grievance, meet with the Police Chief and the parties involved to attempt to resolve the grievance and, if necessary, thereafter provide a written decision to the employee and/or employee association within ten (10) calendar days of the meeting date.

G. Within ten (10) calendar days of receipt of the decision of the City Manager, the employee and/or employee association may demand in writing to the City Manager that a formal appeal of the grievance be submitted to an independent factfinder from a list of three qualified factfinders submitted to the City by the American Arbitration Association.

1. The City Manager and the employee and/or Association representative shall alternately strike names from the list so furnished and the last name remaining shall be designated as the factfinder.

2. The City and the employee and/or Association shall share equally the fees and expenses of the factfinder as well as the cost of making a record of the factfinder. Each party shall bear their attorney's fees.

3. The rules of conduct of proceedings shall be according to those procedures for expedited fact-finding utilized by the American Arbitration Association.

4. The City and the employee both hold the right to be represented by an attorney or a representative of the employee's union or association.

5. If either of the parties does not accept the decision of the factfinder, the party may appeal to a court of competent jurisdiction to hear the matter based on the transcript of evidence submitted to the factfinder and conclusions of the factfinder.

XXI. IMPLEMENTATION OF SECTION 414(h)(2) OF THE UNITED STATES INTERNAL REVENUE CODE

A. Pick-up of Employee Contributions

1. Pursuant to the provisions of this Agreement, the City shall make employee contributions on behalf of employees, and such contributions shall be treated as employer contributions in determining tax treatment under the Internal Revenue Code of the United States. Such contributions are being made by the City in lieu of employee contributions.

2. Employee contributions made under paragraph 1 shall be paid from the same source of funds as used in paying the wages to affected employees.

3. Employee contributions made by the City under paragraph 1 shall be treated for all purposes other than taxation in the same manner and to the same extent as employee contributions made prior to the effective date of this Agreement.

4. The employee does not have the option to receive the City's contributed amounts paid pursuant to this Agreement directly instead of having them paid to the retirement system.

B. Wage Adjustment

Notwithstanding any provision in the current agreement to the contrary, the wages of employees shall be reduced by the amount of employee contributions made by the City pursuant to the provisions hereof.

C. Limitations to Operability

Section XXI. shall be operative only as long as the City of Newark pick-up of employee retirement contributions continues to be excludable from gross income of the employee under the provisions of the Internal Revenue Code.

XXII. **MANAGEMENT RIGHTS**

The exercise by the City through its City Council and management representatives of its rights here under shall not in any way be directly or indirectly subject to the grievance procedure herein, except for specific provisions addressed in other clauses of this MOU.

The Association recognizes that the City has and will continue to retain, whether exercised or not, the unilateral and exclusive right to operate, administer and manage its municipal services and workforce performing those services in all respects, provided that this clause shall not supersede any other provisions of this MOU.

The City Manager and Department Heads have and will continue to retain exclusive decision-making authority on matters not expressed in provisions of this MOU; and such decision-making shall not be in any way, directly or indirectly, subject to the grievance procedure contained herein.

The exclusive rights of the City shall include, but not be limited to, the right to determine the organization of City government and the purpose and mission of its constituent agencies, to set standards of service to be offered to the public, and through its management officials to exercise control and discretion over its organization and operations, to establish and effect administrative regulations and employment rules and regulations consistent with law and the specific provisions of this MOU, to direct its employees to take disciplinary action for just cause, to relieve its employees from duty because of lack of work or for other legitimate reasons, to determine whether goods or services shall be made, purchased or contracted for, to determine the method, means and personnel by which the City services are to be provided, including the right to schedule and assign work and overtime and to otherwise act in the interest of efficient service to the community.

ATTACHMENT A

PAY PLAN

This Newark Police Management Association Pay Plan applies to all employees.

I. POLICY

The City's policy for employee salaries is to establish and maintain a general salary structure based on marketplace norms and internal job alignment, which provides flexibility to reward personnel based on performance. Structures and ranges will be reviewed annually and updated as necessary based on the market conditions, internal relationships, and City's financial condition.

Individual salary adjustments will be considered by the City Manager based on (1) performance factors and overall contribution to management of the City; (2) pay structure adjustments; and (3) City's financial condition.

II. ADMINISTRATION

The City Manager shall be accountable to the City Council for the overall administration of the Newark Police Management Association Pay Plan and will report on such administration annually or more often, as requested. The Police Chief is responsible for recommending to the City Manager salary adjustments for employees who are covered by the Plan.

The City Council shall consider the necessary adjustment of employee salary ranges annually. In determining plan adjustments, the City Council shall consider such matters as changes in the cost of living, other salary changes such as those arrived at through negotiations with recognized employee groups, compression between this employee group and subordinate class ranges and the competitive position of the City in recruitment and retention of personnel.

The overall salary structure, supporting administrative policies, and assignment of classifications to salary ranges will be reviewed annually by the City Manager with appropriate reporting to the City Council relative to the status of the program.

III. BASIC PLAN ELEMENTS

A. Structure. The Newark Police Management Association Pay Plan consists of four (4) salary ranges. There shall be no specific or predetermined "steps" within the range thus allowing the flexibility of adjustment to recognize varying levels of performance. All classifications will be assigned an appropriate pay grade based on salary survey data and internal relationships.

B. Performance Appraisal. All employees shall have their performance reviewed at least once each fiscal year, generally coinciding with the employee's anniversary date or as described in Administrative Regulation 0510. All individual salary adjustments shall be based on performance. The performance review program provides a planned and orderly means of evaluating individual performance in relation to areas of accountability and program responsibilities. The Police Chief will make a recommendation based on the employee's performance appraisal for any salary adjustments to the City Manager.

C. Adjustments based on Range Movement. Adjustments to salary ranges may occur to reflect cost-of-living changes, labor market conditions, and parity to avoid compression. The City Manager may grant an upward adjustment in an individual's salary in any amount up to an amount equal to the adjustment in the salary range or the City Manager may maintain an individual salary at present level. An adjustment of individual salaries is not required by a change in the salary range to which the position is assigned except to maintain the minimum salary for the range.

D. Meritorious Performance Adjustment. An employee shall be eligible to receive one merit increase per twelve-month period if the employee's performance is beyond a satisfactory level. A meritorious performance adjustment would be in addition to any adjustment based on range movement. For each fiscal year during the term of this MOU, such an increase shall be up to five percent (5%), the exact percentage being determined by the City Manager based on an evaluation of the degree of meritorious service and overall contribution to management of the City.

Salary adjustments more frequently than once each twelve (12) month period, but not more than once each six (6) months may be approved by the City Manager for the following reasons:

1. An employee's salary is below the midpoint of the range and the employee has experienced substantial growth in their position representing an increased value to the City.

2. An employee has demonstrated outstanding performance or made an exceptional contribution to the City.

Whenever an employee receives a six (6) month meritorious performance adjustment, the employee's anniversary date will change pursuant to the Personnel Rules and Regulations.

E. Special Adjustment. The City Manager may authorize salary adjustments up to ten percent (10%) per fiscal year within the assigned salary range for the following reasons:

1. An employee's performance consistently exceeds the scope and expectations of their classification as determined by the City Manager.

2. Competitive labor market conditions warrant an adjustment.

3. An employee's overall contribution and value to the City as determined by the City Manager warrants an adjustment.

ATTACHMENT B

Salary Schedule Effective 7/11/2025

	Step 1			Step 2			Step 3			Step 4			Step 5		
Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Police Captain	107.44	8,595.20	223,475.20	RANGE 22 - CAP									128.94	10,315.20	268,195.20
Police Lieutenant	92.78	7,422.40	192,982.40	RANGE 19 - LT									111.33	8,906.40	231,566.40
Community Engagement Manager	70.65	5,652.00	146,952.00	RANGE 14									84.78	6,782.40	176,342.40
Police Support Services Manager	81.80	6,544.00	170,144.00	RANGE 17									98.14	7,851.20	204,131.20

Salary Schedule Effective 7/01/2026

Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Police Captain	113.89	9,111.20	236,891.20	RANGE 22 - CAP									136.68	10,934.40	284,294.40
Police Lieutenant	98.35	7,868.00	204,568.00	RANGE 19 - LT									118.01	9,440.80	245,460.80
Community Engagement Manager	73.12	5,849.60	152,089.60	RANGE 14									87.75	7,020.00	182,520.00
Police Support Services Manager	84.66	6,772.80	176,092.80	RANGE 17									101.57	8,125.60	211,265.60

Salary Schedule Effective 7/01/2027

	Step 1			Step 2			Step 3			Step 4			Step 5		
Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Police Captain	119.58	9,566.40	248,726.40	RANGE 22 - CAP									143.51	11,480.80	298,500.80
Police Lieutenant	103.27	8,261.60	214,801.60	RANGE 19 - LT									123.91	9,912.80	257,732.80
Community Engagement Manager	75.68	6,054.40	157,414.40	RANGE 14									90.82	7,265.60	188,905.60
Police Support Services Manager	87.62	7,009.60	182,249.60	RANGE 17									105.12	8,409.60	218,649.60

Salaries listed for full-time non-sworn management employees are based on a forty (40) hour workweek. Salaries listed for full-time sworn management positions are based on designated shift schedules. Regular part-time non-sworn management employee salaries are prorated based on the forty (40) hour workweek salary ranges.

ATTACHMENT C
GENERAL LEAVE PLAN

I. DEFINITION

General Leave is compensated leave for those eligible employees who are absent from duty because of illness, death in the family, medical or dental care appointments, family care, personal reasons or who utilize the time off as vacation.

Management Leave shall remain separate from General Leave.

II. APPLICABILITY

The General Leave Plan shall apply to regular full-time employees. Regular part- time employees shall be eligible for prorated general leave based on actual hours worked or budgeted to work. For example, an employee with one (1) year of City service who works thirty-five (35) hours per week will receive one hundred sixty-one (161) hours of general leave per year. An employee with one (1) year of City service who works twenty-four (24) hours per week will receive one hundred ten and four tenths (110.4) hours of general leave per year. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for proration.

III. GENERAL LEAVE CREDITS

A. Regular Full-Time Employees
Eligible regular full-time employees shall be entitled to the following annual accrual.

Years of Completed Service	RFT Leave Accrual
1 through 9	184 hours
10 through 14	224 hours
15 through 19	240 hours
20 or more	264 hours

B. General Leave shall be accrued in hours on a semi-monthly basis.

C. During an absence without pay which extends more than fourteen (14) calendar days during a calendar month, the employee shall not accrue General Leave credits.

D. General Leave During First Year: Beginning on the ninetieth (90th) day of employment, regular employees shall be eligible to earn General Leave credits. Upon the completion of said period of service, regular full-time employees shall be credited with forty-six (46) working hours of General Leave and shall thereafter accrue General Leave at the rate of seven and sixty six hundredths (7.66) working hours, semi-monthly for the remainder of the first year and as provided in Subsection A, Section III, above.

E. Maximum Accumulation: Regular Full-time employees may accumulate General Leave credits according to the following schedule:

Years of Completed Service	Maximum Accrual
1 through 9	368 hours
10 through 14	448 hours
15 through 19	480 hours
20 or more	528 hours

F. Regular Part-Time Employees

Beginning on the ninetieth (90th) day of employment, regular part-time employees shall be credited with prorated general leave in accordance with Section II above and as follows:

Years of Completed Service	20-25 hour Leave Accrual	30-35 hour Leave Accrual
1 through 9	92-115 hours	138-161 hours
10 through 14	112-140 hours	168-196 hours
15 through 19	120-150 hours	180-210 hours
20 or more	132-165 hours	198-231 hours

G. Maximum Accumulation: Regular Part-time employees may accumulate General Leave credits according to the following schedule:

Years of Completed Service	20-25 hour Maximum Accrual	30-35 hour Maximum Accrual
1 through 9	184-230 hours	276-322 hours
10 through 14	224-280 hours	336-392 hours
15 through 19	240-300 hours	360-420 hours
20 or more	264-330 hours	396-462 hours

When maximum accrual limits have been reached, excess General Leave credits earned shall be transferred to the Rollover Leave bank . Rollover Leave may be used in order to provide security against an employee's extended illness and may not be used for retirement service credit.

Effective August 2, 2025, the Rollover Leave bank will be eliminated. Employees reaching the maximum amount of General Leave credits will immediately cease earning General Leave credits. General Leave credits remaining in the Rollover Leave Bank on August 2, 2025 will be cashed out in the following pay period.

Exceptions to the maximum accrual limits may be approved by the City Manager under special circumstances. Requests to exceed maximum accrual limits must be submitted through the Police Chief to the City Manager prior to reaching maximum accrual.

IV. LEAVE CREDITS TRANSITION

Unused leave credits shall be transitioned as follows:

A. Vacation Leave Credits: All unused vacation leave credits shall be converted to General Leave credits on an hour-for-hour basis.

B. Sick Leave Credits: All unused sick leave credits shall be maintained in a sick leave bank to be used in accordance with the provisions of the General Leave Plan. Accrued time in the sick leave bank shall not be compensated for in any manner except as used for sick leave or retirement service credit.

C. At time of conversion to General Leave, if vacation credits exceed General Leave accrual limit, a plan shall be developed to reduce converted vacation leave credits to the General Leave accrual limits within six (6) months. A longer period to reduce converted vacation leave credits may be approved by the City Manager under special circumstances.

V. GENERAL LEAVE USAGE

Request and Approval: The Police Chief is responsible for arranging leave schedules so that adequate personnel are available to carry on city work. The use of General Leave shall require approval of the Police Chief or their designee and shall be governed by the current Personnel Rules dealing with leaves unless specifically covered by this Plan document.

Whenever possible, General Leave requests must be approved in advance of the days to be taken as General Leave. The procedure for requesting the use of General Leave shall be as follows:

A. General Leave (Non-medical): Any leave that can be reasonably forecast or anticipated such as vacation, care of children, personal business, etc. shall require prior approval of the Police Chief, or the employee's supervisor. The time and amount of General Leave to be taken for non-medical purposes shall be determined by the Police Chief with due regard for the wishes of the employee and particular regard for the needs of the City.

B. General Leave (Medical): An unscheduled absence from work due to an employee's illness shall be referred to as General Leave for medical reasons. The Police Chief may require an employee to furnish satisfactory evidence justifying the need to be absent from work for medical reasons. The provisions of A.R. 0513 on sick leave usage shall apply to employees using General Leave for medical reasons. The Police Chief shall make the determination and final approval of unscheduled General Leave for medical reasons.

C. An employee may request General Leave for an unanticipated absence from work (e.g. medical, car trouble, care of children, etc.) by notifying their supervisor within one (1) hour after the time set for reporting to work on the first day of such leave and as often thereafter as directed by their supervisor. Final approval for an unanticipated, unscheduled absence shall require Police Chief approval. Failure to request an unscheduled leave in the manner described may result in lost work time charged as leave without pay or unauthorized leave of absence. Inappropriate use of unscheduled leave may be grounds for corrective action consistent with current practice.

D. Any employee who is absent from work on an unscheduled leave shall not engage in work or other activities which will inhibit their ability to return to work at the earliest possible time.

E. Medical examination by the City's examining physician may be requested by the Police Chief after prolonged, serious, or repetitious illness, injury, or major surgery. An employee's return to duty following illness or injury is subject to the approval of the Police Chief or City Manager based upon medical information supplied by the employee's physician and/or the City's physician.

F. On-the-job Injury: An employee absent from work because of a temporary disability which is defined as industrial under the Workers' Compensation Act may charge General Leave credits (or unused sick leave, if approved by the City Manager) in an amount necessary to make up the difference between the employee's regular pay and the amount payable to the employee as temporary disability payments from the Workers' Compensation Insurance Plan of the City.

G. Use of General Leave When Permanently Incapacitated: General Leave shall not be used to continue the salary of employment of any employee after it has been determined that such employee is permanently incapacitated from returning to employment and is eligible for disability retirement.

H. Sick Leave Bank: A sick leave bank shall be established for each employee eligible for General Leave. When an employee becomes eligible for General Leave, any unused sick leave credits will be maintained in this account. Employees may transfer General Leave credits to their sick leave bank in accordance with Section VI of the General Leave Plan.

I. Use of Sick Leave Bank:

1. Upon approval of the City Manager, an employee whose absence is due to illness or injury which qualifies for Family Medical Leave Act (FMLA) or other legally-protected leave, may use unused sick leave balances for absences due to further illness or injury prior to using further General Leave.

2. Upon approval of the City Manager, an employee whose absence is due to illness or injury for more than five (5) consecutive workdays for any one occurrence may use unused sick leave balances for absences due to further illness or injury for that particular medical condition prior to further using General Leave.

3. Upon approval of the City Manager, an employee who has exhausted all General Leave credits may be granted the use of unused sick leave balances for a medical purpose. The City Manager may impose up to a five (5) workday waiting period based upon a review of the employee's General Leave usage.

VI. GENERAL LEAVE CONVERSION TO PAY OR SICK LEAVE

A. Buy-Back: A regular full-time employee may request to receive pay, or elect equivalent deferral into one of the City sponsored deferred compensation plans within IRS limitations, for up to a total of one hundred sixty (160) hours of General Leave per calendar year [one hundred twenty to one hundred forty (120-140) hours for thirty to thirty-five (30-35) hour employees; eighty to hundred (80-100) hours for twenty to twenty-five (20-25) hour employees] in hourly increments at the current hourly salary rate.

B. By December 1 of each calendar year, eligible employees who want to cash-out general leave in the following calendar year to be paid the first pay period each October, shall make an irrevocable election to cash out in the next calendar year, subject to the conditions set forth below:

- Employees must have a minimum of ten (10) days [eighty (80) hours for full-time or prorated for part-time) remaining in general leave accruals at the time of cash out.
- Employees must submit their General Leave Buy-Back Request Form to Payroll by December 1. This is an irrevocable election by the employee.

The City makes no representation as to the tax consequences of an employee cashing out accrued leave or the general leave buy-back program. It is the employee's sole responsibility to address the tax consequences of cashing out accrued leave or the general leave buy-back program.

VII. GENERAL LEAVE AT TERMINATION

A. An eligible employee whose employment with the City terminates shall be paid for any unused General Leave. Payment for unused General Leave shall be made at the hourly rate of pay in effect for such employee at the time of separation.

B. When termination is caused by the death of an employee, pay for unused General Leave shall be paid to the beneficiary the employee has designated. Such designation shall be in writing, signed by the employee and filed with the Human Resources Department. In the event an employee has not designated a beneficiary, the payment shall be made to the estate of the employee.

VIII. HOLIDAYS DURING GENERAL LEAVE

When a day designated and observed by the City as a holiday occurs on a day on which an employee is taking General Leave, such employee shall not be charged as using General Leave for that day. The employee's compensation for that day shall be holiday pay.

EXHIBIT B

MEMORANDUM OF UNDERSTANDING

BETWEEN

CITY OF NEWARK

AND

NEWARK POLICE MANAGEMENT ASSOCIATION

JULY 1, ~~2022~~

2025 THROUGH

JUNE 30,

~~2025~~2028

Adopted:

~~June 23,~~

~~2022~~July 24,

2025

~~REVISED: December 15, 2022~~
~~REVISED: November 9, 2023~~
~~REVISED: December 14, 2023~~

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A Newark Police Management Association Pay Plan
B Salary Schedule
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MEMORANDUM OF UNDERSTANDING
BETWEEN
CITY OF NEWARK AND NEWARK POLICE MANAGEMENT ASSOCIATION

I. TERM

This agreement shall be in effect from July 1, ~~2022~~ 2025 through ~~July 1~~June 30, ~~2025~~2028.

II. RECOGNITION

The City of Newark ("City") recognizes the Newark Police Management Association ("NPMA"), hereinafter referred to as the "Association," as the majority representative for regular full-time employees in the sworn classifications and full-time and regular part-time non-sworn classifications listed below, pursuant to Employer-Employee Relations Resolution No. 1833:

Police Captain
Police Lieutenant
Community Engagement Manager
Police Support Services Manager

III. DEFINITIONS

For purposes of this Memorandum of Understanding ("MOU" or "Agreement"), unless the context otherwise requires, the following definitions in this Agreement shall apply:

A. "Employees" shall mean those regular full-time and regular part-time employees of the City of Newark occupying classifications represented by the Newark Police Management Association.

B. "Employer" shall mean the City of Newark.

C. "Non-sworn" refers to those personnel occupying the classifications of Police Support Services Manager and Community Engagement Manager.

D. "Sworn" refers to personnel occupying classifications of Police Captain and Police Lieutenant.

IV. COMPENSATION

Employees shall be compensated pursuant to the Newark Police Management Association Pay Plan as set forth in Attachment A and Attachment B attached hereto and incorporated herein by this reference. ~~The NPMA classifications that are participating in the Newark Police Management Association Pay Plan are those listed below:~~

~~Classification~~

~~Community Engagement Manager~~
~~Police Captain~~

~~Police Lieutenant~~
~~Police Support Services Manager~~

~~Effective July 1, 2022, the minimum of each range will be amended to be 20% below the current range maximum. Employees currently below this minimum will be adjusted to be at the new range minimum. Said minimum adjustment shall be implemented independently of below noted general salary increases.~~

A. GENERAL SALARY INCREASE

Effective July 1~~1~~, ~~2022~~2025, ~~the total compensation salary ranges for all NPMA employees shall be increased four percent (4.0%) as set forth in Attachment B, attached hereto and incorporated herein by this reference. A~~all employees shall receive a four percent (4%) salary increase.

Effective July 1, 202~~3~~6, ~~the total compensation salary ranges for all NPMA employees shall be increased three percent (3.0%) as set forth in Attachment B, attached hereto and incorporated herein by this reference. A~~all employees shall receive a three percent and one-half percent (3.5%) salary increase.

Effective July 1, ~~2024~~2027, ~~the total compensation salary ranges for all NPMA employees shall be increased three percent (3.0%) as set forth in Attachment B, attached hereto and incorporated herein by this reference. A~~all employees shall receive a three percent and one-half percent (3.5%) salary increase.

B. SALARY RANGE INCREASE

1. Effective July 11, 2025, the range for Community Engagement Manager will be increased to Range 14.

2. Effective July 11, 2025, the range for Police Support Services Manager will be increased to Range 17.

3. Effective July 11, 2025, the ranges for Police Lieutenant and Police Captain will be increased by 7%.

4. Effective July 1, 2026, the ranges for Police Lieutenant and Police Captain will be increased by 6%.

5. Effective July 1, 2027, the ranges for Police Lieutenant and Police Captain will be increased by 5%.

~~Salary Computation: Hourly equivalent of base monthly = base monthly salary x 0.0057692 (0.0057692 represents the monthly salary divided by the average number of hours worked in a month).~~

C. ONE-TIME SUPPLEMENTAL FIRST RESPONDER BASE WAGE ADJUSTMENTS

On a one-time basis and during the term of this Agreement sworn employees shall receive the following supplemental increases in addition to the increase identified in the General Salary Increase in Section A above:

1. Effective July 11, 2025, the supplemental salary increase shall be three percent (3.0%).
2. Effective July 1, 2026, salary increase shall be one and one-half percent (1.5%).
3. Effective July 1, 2027, salary increase shall be one and one-half percent (1.5%).

D. Should the classifications of Police Sergeant or Public Safety Dispatch Supervisor receive an increase included in total compensation that exceeds the increases provided in this section during the period of July 1, 2025 – June 30, 202~~9~~8, the City and NPMA agree to meet and confer on potential impacts of those increases.

~~A.~~ E. LONGEVITY PAY

~~Longevity Pay will be phased in over the term of this memorandum for the Police Lieutenant classification. The Police Lieutenant will receive 50% of their eligible longevity pay between July 1, 2022 and June 30, 2023; 75% of their eligible longevity pay between July 1, 2023 and June 30, 2024; and will be eligible to receive the full longevity pay starting July 1, 2024.~~

~~Effective July 1, 2022 the~~ R~~r~~egular full-time employees in the classifications of Police Lieutenant and Police Captain are eligible for longevity pay as follows:

~~Police Captain:~~
Upon commencement of ten (10) years of service ~~,~~ two and one-half percent (2.5%) salary increase. ~~-~~ Upon commencement of fifteen (15) years of service ~~,~~ five percent (5.0%) salary increase. Upon commencement of twenty (20) years of service ~~,~~ seven and one-half percent (7.5%) salary increase.

~~Police Lieutenant:~~
~~July 1, 2022 – June 30, 2023~~
~~Upon commencement of 10 years of service - 1.25% salary increase~~
~~Upon commencement of 15 years of service - 2.5% salary increase~~
~~Upon commencement of 20 years of service - 3.75% salary increase~~

~~July 1, 2023 – June 30, 2024~~
~~Upon commencement of 10 years of service - 1.875%salary increase~~
~~Upon commencement of 15 years of service - 3.75% salary increase~~
~~Upon commencement of 20 years of service - 5.625% salary increase~~

~~July 1, 2024 – June 30, 2025~~
~~Upon commencement of 10 years of service - 2.5% salary increase~~
~~Upon commencement of 15 years of service - 5.0% salary increase~~
~~Upon commencement of 20 years of service - 7.5% salary increase~~

Longevity pay is computed on base compensation only. The maximum longevity pay premium is seven and one-half percent (7.5%) of salary for eligible employees.

For service to meet the requirements of longevity pay, it must meet all of the following criteria:

- Full-time sworn service in the classifications of Police Officer, Police Corporal, Police Sergeant, Police Lieutenant, Police Commander, Police Captain, and/or similar sworn position; in a public sector agency, including probationary time; and

- Active service (in a paid status) or approved leave without pay that qualifies for FMLA, CFRA, PDL, workers' compensation or other protected leaves per state or federal law.

V. WORKING HOURS

A. Full-time employees work forty (40) hours per week and as necessary. The City Manager may revise the standard work schedule upon reasonable notice.

B. Sworn employees work a Four-Ten (4/10) schedule that equates to forty (40) hours per week in a two (2) week period. Typically, an employee assigned to this work schedule will work ten (10) hours per day for four (4) days in one (1) week.

~~C. Non-sworn employees work a Nine-Eighty (9/80) schedule that equates to forty (40) hours per workweek in a two (2) week period. Typically, an employee assigned to this work schedule will work nine (9) hours per day for four (4) days and one (1) day of eight (8) hours in one (1) week [(for a total of forty-four (44) hours)] and then nine (9) hours per day for four (4) days in the next week [(for a total of thirty-six (36) hours)].~~

~~D.~~C. City offices will be closed for business during the December holiday season. Non-essential employees, as determined by the City Manager, will participate in a four-day furlough. Employees may use general leave, management leave, holiday or floating holidays during the furlough.

~~E.~~D. Eligible employees on leave of absence without pay due to the furlough shall be paid holiday pay for holidays occurring during the furlough. Employees on an approved leave of absence without pay that started before December 10 and extends through or beyond December 31 will not be affected by the furlough and will not be eligible for holiday pay.

~~F.~~E. Employees who elect a leave of absence without pay for the furlough may request up to a four (4) -day salary advance. This salary advance must be requested by June 1 preceding the furlough. Repayment of a salary advance for the furlough may be spread over a period of time provided that:

1. There is two (2) weeks advance notice to payroll,

2. The salary advance is fully repaid no later than the last full pay period of the calendar year, so all payments occur within the same calendar and fiscal year of the furlough,

3. Payments begin no earlier than July 1 of the impacted calendar year, and

4. The repayment plan is approved by the Finance Director, or designee prior to the furlough.

~~G.~~F. The Police Support Services Manager and Community Engagement Manager will normally be assigned to a Four-Ten (4/10) schedule. The Police Chief may authorize a different work schedule if such change is needed to achieve management objectives. Alternatives to the work schedules outlined above will be subject to the approval of the City Manager.

VI. LABOR MARKET

The following agencies comprise the designated labor market for the purpose of salary and benefit survey comparisons: Foster City, Fremont, Hayward, Livermore, Menlo Park, Milpitas, Pleasanton, Redwood City, San Leandro, and Union City. ~~The City will review the designated labor market during the first year of the term of this agreement, and agree to meet and confer on any proposed changes.~~

~~During the first year of the term of the contract, the City will conduct a Classification and Compensation Study. The Classification portion will include updating all job classifications to reflect current duties. The Compensation portion will include conducting a Total Compensation Survey for all Association classifications. The Study will be subject to meet and confer with the Association prior to implementation.~~

~~The survey is for purposes of study and negotiations and shall not trigger any automatic adjustments.~~

"Total compensation" for survey purposes shall include:

- Top step/range base salary.
- That portion of the employer's PERS contribution that is paid by the employee (employee contributions to the employer's PERS costs shall be reflected as a negative number).
- The amount of the highest premium the employer will pay for family coverage of medical, dental, and vision premiums.
- Any premiums paid by the employer for life insurance.
- Any premiums paid by the employer for long term and/or short term disability.

For discussion purposes, the parties will prepare an alternative "Total compensation" survey that includes the items above and adds the following:

- The maximum amount paid by the employer for educational achievements or POST certificates.
- The maximum amount paid by the employer for length of service.
- The maximum number of holiday hours or holiday pay provided by the employer.
- The maximum amount paid by the employer toward a deferred compensation program.

VII. ACTING~~/SPECIAL ASSIGNMENT~~AND BILINGUAL PAY

A. Employees are eligible for premium pay of five percent (5%) over base salary while acting in a higher classification when assigned and prescribed by the City Manager.

~~B.~~ The City agrees to pay regular full-time employees bilingual assignment pay of one hundred dollars
B. ($100.00) per month. Regular part-time employees scheduled to work thirty (30) to thirty-five (~~-~~35) hours per week will receive bilingual assignment pay of seventy-five dollars ($75.00) per month and regular part-time employees scheduled to work twenty (20) ~~-~~to twenty-five (25) hours per week will receive bilingual assignment pay of fifty dollars ($50.00) per month. Eligibility for bilingual assignment pay shall be based on the provisions outlined in Administrative Regulation 0522 which establishes a policy and procedures for receiving bilingual assignment pay:

1. Employees will be required to pass an initial fluency test administered by the City or an independent testing service. Employees will be required to undergo periodic testing of skill level to remain eligible for bilingual pay.

2. Eligible languages will be determined by the City.

3. Employees must be in a classification that brings them into regular contact with the general public.

4. The City retains the right to make the final determination regarding eligibility for bilingual assignment pay.

VIII. RETIREMENT

A. All employees who were appointed prior to January 1, 2013 and all "Classic Members" (as defined by CalPERS) are referred herein either as "Classic Members" or as "Classic".

B. The City shall continue to provide to all sworn Classic employees a retirement formula known as three percent at fifty "3% at 50" together with single year highest compensation, military service credit for prior service, and the indexed level 1959 survivor benefit options of the CalPERS pension plan. Sworn Classic Members continue to pay the nine percent (9%) employee rate for the three percent (3%) at fifty (50) retirement formula plus continue to pay up to four percent (4%) of an additional contribution in accordance with the following formula for a current total pre-tax contribution of thirteen percent (13%).

Sworn Classic members will contribute a matching percentage of salary in the form of an increase in employee contribution rate during the term of this agreement if the CalPERS Safety Plan employer actuarial rate for the three percent (3%) at fifty (50) retirement formula exceeds seventeen percent (17~~.00~~%) to a maximum of twenty-five percent (25~~.00~~%). In the event that the employer rate exceeds twenty-five percent (25~~.00~~%), the City shall be responsible for any increase above twenty-five percent (25~~.00~~%). In subsequent years, if the rate over seventeen percent (17~~.00~~%) decreases, the sworn Classic members matching percentage of salary in the form of the employee contribution rate will be reduced by the above formula. Employer rate reductions below seventeen percent (17~~.00~~%) will not be shared with sworn Classic members under the above formula.

The following example is for illustrative purposes only:

If the CalPERS Safety Plan employer actuarial rate for the three percent (3% at fifty (50) retirement formula increased from seventeen percent (17~~.00~~%) to twenty percent (20~~.00~~%) ~~effective July 1, 2006~~,the sworn Classic members' rate would increase from nine percent (9~~.00~~%) to ten and one-half percent (10.5~~0~~%).

The City would then be responsible for the matching one and one-half percent (1.5~~0~~%). If the rate decreased from twenty percent (20~~.00~~%) to eighteen percent (18~~.00~~%), the sworn Classic members' rate would decrease by one percent (1~~.00~~%). The members' rate increase or decrease would be done through a contract amendment with CalPERS and the City.

C. The City shall continue to provide to all non-sworn Classic management employees a retirement formula known as two and one-half percent at fifty-five "2.5% at 55" together with single year highest compensation, pre-retirement

optional settlement level 2 death benefit, military service credit for prior service, and the indexed level 1959 Survivor Benefit options of the CalPERS pension plan. Non-Sworn Classic Members continue to pay the eight percent (8%) employee rate for the two and one-half percent (2.5%) at fifty-five (55) retirement formula plus continue to pay up to three and four hundred sixty-eight thousandths percent (3.468%) of an additional contribution in accordance with the following formula for a total tax deferred contribution of eleven and four hundred sixty eight thousandths percent (11.468%).

Non-sworn Classic members will contribute a matching percentage of salary in the form of an increase in employee contribution rate during the term of this agreement if the CalPERS Miscellaneous Plan employer actuarial rate for the two and one-half percent (2.5%) at fifty-five (55) retirement formula exceeds ten percent (10~~.00~~%) to a maximum of sixteen and nine hundred thirty sixty thousandths percent (16.936%). In the event that the employer rate exceeds sixteen and nine hundred thirty sixty thousandths percent (16.936%), the City shall be responsible for any increase above sixteen and nine hundred thirty sixty thousandths percent (16.936%). In subsequent years of the term of the agreement, if the rate over ten percent (10~~.00~~%) decreases, non-sworn Classic members' matching percentage of salary will be reduced by the above formula. Employer rate reductions below ten percent (10~~.00~~%) will not be shared under the above formula.

The following is for illustrative purposes only:

If the CalPERS Miscellaneous Plan employer actuarial rate increases to ten percent (10~~.00~~%), each Classic non-sworn member would contribute zero (-0-) from their salary to pay for the retirement benefit. If the rate increases by three percent (3~~.0~~%), each non-sworn Classic member would contribute half of the three percent (3~~.00~~%) increase, one and one-half percent (1.5~~0~~%), from their salary to pay for the retirement benefit. The City would then be responsible for the matching one and one-half percent (1.5~~0~~%). If the rate decreased by three percent (3~~.0~~%), the non-sworn Classic member would no longer contribute the additional one and one-half percent (1.5~~0~~%) of their salary towards the employer rate to pay for the retirement benefit.

D. The City shall provide to sworn employees who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) a retirement formula known as two and seven tenths percent (2.7%) at fifty-seven (57) in accordance with the Public Employees' Pension Reform Act of 2013.

Sworn employees who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) will contribute half the normal cost of the two and seven tenths percent (2.7%) at fifty-seven (57) plan as required by the Public Employees' Pension Reform Act of 2013.

In addition to paying the employee rate ~~(currently 12%)~~, sworn PEPRA Members ~~will~~ currently pay an additional contribution of ~~4.0% for a total of 16%. If CalPERS approves a contract amendment for the City of Newark that charges Sworn New PEPRA Members an additional~~ one and one-half percent (1.5%) of the employee rate.~~contribution rather than an additional 4% contribution for a current total of 13.5% rather than a current total of 16% (and~~ If CalPERS approves a contract amendment for the City of Newark that eliminates the one and one-half percent (1.5%) contribution ~~the provisions described here in for Sworn Classic Members, Non-Sworn Classic and Non-Sworn PEPRA Members),~~ the City agrees to amend its contract for s~~S~~worn PEPRA Members accordingly.

~~The following is for illustrative purposes only:~~

~~If the employee rate for sworn PEPRA Members is 12%, in this example sworn PEPRA Members would pay the 12% employee rate plus an additional 4% for a total of 16%.~~

E. The City shall provide to all non-sworn employees who were appointed on or after January 1, 2013 who are non-sworn PEPRA Members (as defined by CalPERS) a retirement formula known as two percent (2%) at sixty-two (62) in accordance with the Public Employees' Pension Reform Act of 2013.

Non-sworn employees who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) will contribute half the normal cost of the two percent (2%) at sixty-two (62) plan as required by the Public Employees' Pension Reform Act of 2013.

In addition to paying the employee rate, non-sworn PEPRA Members will pay the same percentage of an additional contribution as non-sworn Classic Members pay.

F. The City shall provide the one (1) -year highest compensation option to Classic sworn and non-sworn members. The City shall provide the three (3) -year average compensation requirement to PEPRA members as defined above.

IX. HEALTH AND WELFARE PROGRAMS

A. The contribution by the City toward monthly premiums for health and welfare programs of employees ~~represented by the Association~~ shall be the Minimum Employer Contribution as determined by CalPERS for employers under the Public Employees' Medical and Hospital Care Act (PEMHCA). In the event that an employee elects to waive participation in the Program, that amount will be paid to the employee as part of the Cash-in-Lieu benefit as provided below in Section 4C. The employee shall execute a waiver in the event the employee elects not to participate in the PERS Health Benefit Program or cancel participation after enrollment.

B. The City agrees to maintain a cafeteria plan under Section 125 of the Internal Revenue Code (IRC). The cafeteria plan allows employees to voluntarily reduce salary in an amount equal to the actual premiums for the PERS Health Plan, City-administered dental insurance and/or vision insurance as a before-tax conversion of salary. In the event of changes in law affecting the Flexible Benefit Plan, the City agrees to meet and confer with the Association regarding the impact of such changes.

Effective for the 202~~2~~5 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

~~For Regular Full-Time Employees and Regular Part-Time Employees working 30-35 hours:~~

~~Employee Only: $878~~
~~Employee + 1 Dependent: $1,755~~
~~Employee + 2 or more Dependents: $2,318~~

~~For Regular Part-Time Employees working 20-25 hours:~~

~~Employee Only: $439-$549~~
~~Employee + 1 Dependent: $878-$1,097~~
~~Employee + 2 or more Dependents: $1,159-$1,449~~

~~Effective for the 2023 plan year, the City shall contribute to each eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution:~~

~~For Regular Full-Time Employees and Regular Part-Time Employees working 30-35 hours:~~

~~Employee Only: $896~~
~~Employee + 1 Dependent: $1,790~~
~~Employee + 2 or more Dependents: $2,364~~

~~For Regular Part-Time Employees working 20-25 hours:~~

~~Employee Only: $448-$560~~
~~Employee + 1 Dependent: $895-$1,119~~
~~Employee + 2 or more Dependents: $1,182-$1,478~~

~~Effective for the 2024 plan year, the City shall contribute to each eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution:~~

~~For Regular Full-Time Employees and Regular Part-Time Employees working 30-35 hours:~~

~~Employee Only: $913~~
~~Employee + 1 Dependent: $1,826~~
~~Employee + 2 or more Dependents: $2,412~~

~~For Regular Part-Time Employees working 20-25 hours:~~

~~Employee Only: $457-$571~~
~~Employee + 1 Dependent: $913-$1,141~~
~~Employee + 2 or more Dependents: $1,206-$1,507~~

~~Effective for the 2025 plan year, the City shall contribute to each eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution:~~

~~For Regular Full-Time Employees and Regular Part-Time Employees working 30-35 hours:~~

~~Employee Only: $932~~
~~Employee + 1 Dependent: $1,862~~
~~Employee + 2 or more Dependents: $2,460~~

~~For Regular Part-Time Employees working 20-25 hours:~~

~~Employee Only: $466-$582~~
~~Employee + 1 Dependent: $931-$1,164~~
~~Employee + 2 or more Dependents: $1,230-$1,537~~

Employee Only: $932
Employee + 1 Dependent: $1,862
Employee + 2 or more Dependents: $2,460

For Regular Part-Time Employees working twenty (20) to twenty-five (25) hours:
Employee Only: $466-$582
Employee + 1 Dependent: $931-$1,164
Employee+ 2 or more Dependents: $1,230-$1,537

Effective for the 2026 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,026
Employee + 1 Dependent: $2,049
Employee + 2 or more Dependents: $2,706

For Regular Part-Time Employees working twenty to twenty-five 20-25 hours:
Employee Only: $513-$641
Employee + 1 Dependent: $1,025-$1,281
Employee+ 2 or more Dependents: $1,353-$1,691

Effective for the 2027 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,077
Employee + 1 Dependent: $2,151
Employee + 2 or more Dependents: $2,842

For Regular Part-Time Employees working twenty (20) to twenty-five (25) hours:

Employee Only: $539-$673
Employee + 1 Dependent: $1,076-$1,344
Employee+ 2 or more Dependents: $1,421-$1,776

Effective for the 2028 plan year, the City shall contribute to eligible NPMA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,131
Employee + 1 Dependent: $2,259
Employee + 2 or more Dependents: $2,985

For Regular Part-Time Employees working twenty (20) to twenty-five (25) hours:
Employee Only: $566-$707
Employee + 1 Dependent: $1,130-$1,412
Employee+ 2 or more Dependents: $1,493-$1,866

C. Cash Back / Cash In Lieu of Benefits:

1. Cash-In-Lieu: Employees electing not to participate in the City's cafeteria plan and waiving all medical, dental, and vision benefits, will receive four hundred fifty dollars ($450) "cash-in-lieu" of benefits, which includes the PEMCHA minimum per section A.~~1~~ above.

2. Cafeteria Plan Cash-Back: Employees who participate in the cafeteria plan but who do not utilize the full benefit allowance, may receive up to four hundred fifty dollars ($450.) per month of any money not used for the purchase of employer offered benefits. Any "cash-in-lieu and cafeteria plan "cash back" will be paid to the employee in taxable compensation.

For Regular Part-Time Employees working thirty (30) to thirty-five (35) hours the cash-in-lieu and cash back amount will be three hundred thirty-eight dollars ($338.) to three hundred ninety-four dollars (-$394).

For Regular Part-Time Employees working twenty (20)- to twenty-five (25) hours the cash-in-lieu and cash back amount will be two hundred twenty-five dollars ($225.) to two hundred eighty-one dollars ($281.).

D. City and Association agree that in the event of any additional federal or state mandates requiring employer contributions for health care coverage, the City and Association shall reopen the memorandum of understanding to meet and confer on the issue of health care premiums and its impact on total compensation.

~~E.~~ All regular full-time employees in the Association shall receive an allowance of one hundred dollars
E. ($100.00) per month intended to be used towards the cost of health care premiums, long-term disability premiums, and/or reimbursement for medical, dental, vision, and prescription expenses. All regular part-time employees in the Association

shall receive an allowance of up to seventy-five dollars ($75.) for thirty (30) to thirty-five (35) hour

employees and up to fifty dollars ($50.) for twenty (20) to twenty-five (25) hour employees. This allowance will be reported as taxable income and provided to employees based on the following criteria:

An employee must be in a paid status (on the payroll) in order to receive the allowance. During any unprotected leave of absence without pay, an employee is not eligible to receive the health care benefit allowance.

Employees appointed to a classification covered by this Compensation Plan will be eligible for the health and welfare benefit on the first of the month coincident to or immediately following appointment.

When an employee is terminated or in an unpaid leave status, the health and welfare benefit shall be paid on a monthly pro-rata basis. To qualify for pro-rate pay, the employee must serve fifty percent (50%) ~~percent~~ of the working days in the month.

X. LIFE INSURANCE

The City will provide City-paid life insurance coverage of fifty thousand dollars ($250,000.) to each employee. ~~Effective July 1, 2022, this amount will increase to $50,000 for regular full-time and regular part-time employees.~~ Additional life insurance can be purchased at the employee's option on an after-tax payroll deduction basis.

XI. UNIFORM MAINTENANCE AND PROVISION OF UNIFORMS

Sworn employees designated as public safety shall receive a uniform maintenance allowance of one hundred dollars ($100.~~00~~) per month.

The Police Support Services Manager and Community Engagement Manager shall receive a uniform maintenance allowance of forty-five dollars ($45.~~00~~) per month for the purchase and maintenance of City approved uniforms.

~~The City and Association agree to meet and confer in calendar year 2023 towards the possibility of implementing a City-provided and maintained uniform program in replacement of the uniform allowance.~~

XII. EDUCATIONAL REIMBURSEMENT

A. Job-related Training

1. The City Manager may authorize reimbursement up to one hundred percent (100%) of the cost for professional courses and programs that are directly related to the employee's job or which will prepare the employee for advancement or acceptance of greater responsibility. A certificate of completion or a passing course grade must be attained for reimbursement.

B. Plan and Agreement for a College Degree Program

1. In addition to job-related training, the City Manager may authorize reimbursement for up to ten thousand dollars ($10,000.00) of the cost for tuition fees and required text books for a college degree program directly related to the employee's job which will prepare the employee for advancement or acceptance of greater responsibility provided that the employee attains a course grade of "C" or a passing grade as defined by the degree program if that requirement is higher than a "C" grade.

2. If an employee receives more than five thousand dollars ($5,000.00) dollars during their term of employment with the City of Newark in a college degree program, the employee is required to sign an Educational Reimbursement Plan Agreement in order to qualify for and to participate in the Educational Reimbursement College Degree Program. The employee is then subject to the Educational Reimbursement Plan and Agreement for a College Degree Program as follows:

   a. Employee will maintain employment with the City of Newark for a period of five (5) years after completion of the last class taken under the Education Reimbursement Plan; and

   b. In the event that employee leaves the City of Newark and does not complete the five (5) year employment period, employee warrants that ~~he/she~~ theywill reimburse to the City all money paid [(~~up~~ to ten thousand dollars ($10,000)] under the Educational Reimbursement Plan as follows:

      i. One hundred percent (100%) of money paid if the employee voluntarily leaves city employment in the first year after completion of the last class taken under the Educational Reimbursement Plan.

      ii. Eighty percent (80%) of money paid if the employee voluntarily leaves city employment in the second year after completion of the last class taken under the Educational Reimbursement Plan.

      iii. Sixty percent (60%) of money paid if the employee voluntarily leaves city employment in the third year after completion of the last class taken under the Educational Reimbursement Plan.

      iv. Forty percent (40%) of money paid if the employee voluntarily leaves city employment in the fourth year after completion of the last class taken under the Educational Reimbursement Plan.

      v. Twenty percent (20%) of money paid if the employee voluntarily leaves city employment in the fifth year after

completion of the last class taken under the Educational Reimbursement Plan.

vi. After five (5) years following completion of the last class taken under the Educational Reimbursement Plan, employee owes no further monetary obligation to the City of Newark for participation in the Educational Reimbursement Plan.

3. To qualify for the Educational Reimbursement College Degree Program, degree program courses must be received from an accredited institution as identified on the U.S. Department of Education's List of Nationally Recognized Accrediting Agencies or the Council for Higher Education Accreditation's (CHEA) List of Participating and Recognized Organizations.

C. Education Incentive Pay

~~Education Incentive Pay will be phased in over the term of this memorandum for the Police Lieutenant classification. The Police Lieutenant will receive 50% of their eligible education incentive pay between July 1, 2022 and June 30, 2023; 75% of their eligible education incentive pay between July 1, 2023 and June 20, 2024; and will be eligible to receive the full education incentive pay starting July 1, 2024.~~

~~During the phase-in period, the classification of Police Lieutenant may elect to continue receiving the Education Incentive Pay being carried over from their promotion from Police Sergeant as noted below.~~

An employee promoted from Police Sergeant who at the time of promotion is receiving Education Incentive Pay shall continue to receive that payment for a period of up to four (4) years ~~(4)~~ from the date of the promotion. If the employee has not qualified for the Education Incentive Pay under the terms of this section within four (4) years ~~(4)~~ of the date of promotion, the employee's Education Incentive Pay shall be terminated.

Full-time permanent employees in the classifications of Police Lieutenant and Police Captain are eligible for the following education incentive pay:

Eligible employees meeting the below listed education~~al~~ requirements will receive an additional five percent (5%) above base salary:

- Bachelor's Degree, in conjunction with the successful completion ~~of one~~ of the following additional educational program~~s~~:
    - California Commission on Peace Officer Standards and Training (CA POST) Supervisory ~~Certificate~~Course

Eligible employees meeting the below listed education~~al~~ requirements will receive an additional seven percent (7%) above base salary:

- Bachelor's Degree, in conjunction with the successful completion of ~~one of~~ the following additional educational program~~s~~:

    - CA POST Management ~~Program~~Course
    - ~~FBI National Academy~~
    - ~~CA POST Command College~~
    - ~~Naval Post Graduate Academy~~
    - ~~Master's Degree, Juris Doctorate or PhD~~

Eligible employees meeting the below listed education requirements will receive an additional ten percent (10%) above base salary:

- Bachelor's Degree, in conjunction with the successful completion of one (1) of the following additional educational programs:

    - FBI National Academy
    - CA POST Command College
    - Master's Degree, Juris Doctorate or PhD
    - Police Executive Research Forum Senior Management Institute for Police
    - California Police Chief's Association Executive Leadership Institute at Drucker

The Police Chief, with City Manager approval, may add equivalent programs to these lists as appropriate.

Eligible employees may only receive compensation for one (1) Education Incentive Program category. The maximum education incentive pay premium is ~~seven~~ ten percent (~~7~~10%) above base salary for eligible employees.

XIII. RECREATION BENEFITS

Employees and their spouses or registered domestic partners and up to two (2) children or grandchildren living in the same household, twenty-six (26) years of age and under, may use the gym, exercise equipment and aquatic facilities (excluding classes and facility rentals) at the Silliman Community Activity and Family Aquatic Center free of charge.

Employees, their spouses or registered domestic partners, and their children and grandchildren twenty-six (26) years of age and under, will receive resident rates for class registration and facility rentals.

XIV. PRORATION OF HOLIDAY, GENERAL, AND BEREAVEMENT LEAVE ACCRUALS FOR REGULAR PART-TIME EMPLOYEES (RPT)

Regular part-time employees will receive prorated holiday, general, and bereavement leave accruals based on eligibility to receive leave and the actual hours worked or budgeted to work. For example, an RPT employee who works thirty-five (35) hours per week will receive seven (7) hours of pay per holiday. An RPT employee who works twenty-four (24) hours per week will receive four and eight tenths (4.8) hours of pay per holiday. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for proration.

XV. MANAGEMENT LEAVE

The City Manager, upon the recommendation of the ~~Chief of~~ Police Chief, will establish an annual allocation of up to forty (40) hours of management leave per fiscal year for each eligible employee in recognition of the extra hours of work required of this employee for which compensation in the form of overtime pay is not provided. The City Manager may authorize up to an additional sixteen (16) hours of management leave.

Management leave may be used for leave purposes only and cannot be converted to pay or carried over from one fiscal year to another.

Management leave must be taken prior to separation.

Regular part-time employees may be granted management leave proportionally to their assigned work hours as recommended by the Chief of Police with approval by the City Manager.

XVI. GENERAL LEAVE

The General Leave Plan shall provide compensated leave for those eligible employees who are absent from duty because of illness, death in the family, medical or dental care appointments, family care, personal reasons or who utilize the time off as vacation. The General Leave Plan is attached to this Agreement as Attachment C.

XVII. SICK LEAVE

Each eligible employee shall have a sick leave bank in which that employee may ~~accure~~accrue and use sick leave credits pursuant to the General Leave Plan. Sick leave credits may be used toward early retirement under the Public Employees' Retirement System plan.

~~**A. COVID-Related Temporary Benefits:**~~

~~Members of NPMA that did not use EPAL or only partially used EPAL between March 17, 2020 and April 30, 2020 are eligible for up to 120 hours of Additional Administrative Leave ("AAL"). Full time employees that are members of NPMA are eligible for up to 120 hours of AAL based on 3 weeks of regularly scheduled full time hours (40 hours per week) with part time employees eligible for a prorated amount of AAL based on 3 weeks of regularly scheduled part-time hours. AAL will be reduced proportionately by the amount of EPAL that a member of NPMA used.~~

~~For example, if a full time employee member of NPMA partially worked between March 17, 2020 and April 30, 2020, but still utilized 60 hours of EPAL, that member would have 60 hours of AAL, while if a part time employee member of NPMA that is regularly scheduled for 30 hours per week (and is thus eligible for up to 90 hours of AAL) utilized 60 hours of EPAL, that member would have 30 hours of AAL. AAL has no cash value and must be used by December 31, 2022. Any AAL remaining on January 1, 2023 will be removed and no longer available for use.~~

XVIII. BEREAVEMENT AND REPRODUCTIVE LOSS LEAVE

A. Bereavement Leave

Regular full-time employees may be granted up to a maximum of forty (40) hours of paid bereavement leave where there has been a death of a

~~husband, wife~~spouse, registered ~~d~~

domestic partner, ~~sister, brother~~sibling~~, mother, stepmother~~, parent, step-parent, ~~father, stepfather~~, grandparent, grandchild, grandparent-in-law, ~~mother~~parent-in-law, ~~father-in-law~~, ~~sister~~sibling-in-law, ~~brother-in- law~~, or ~~son~~child-in-law ~~, or daughter-in-law~~ of an employee.

Up to eighty (80) hours of paid bereavement leave may be granted for the death of a ~~son, daughter~~child or stepchild.~~, stepson, or stepdaughter.~~

B. Reproductive Loss Leave

Regular full-time employees may be granted reproductive loss leave of five (5) days where there has been a reproductive loss event such as miscarriage, stillbirth, failed adoption, or failed surrogacy of the employee, employee's spouse, or employee's registered domestic partner.

Reproductive loss leave is an unpaid protected leave and may be granted in five (5) day increments for each reproductive loss event up to a maximum of twenty (20) days in any twelve (12) month period.

Regular part-time employees shall be eligible for prorated bereavement and reproductive loss leave as described in Section XIV. and listed below:

Work Schedule	Prorated Bereavement and Reproductive Loss Leave
30-35 work hours	up to a maximum of 30-35 hours
20-25 work hours	up to a maximum of 20-25 hours

XIX. HOLIDAYS

A. The following days shall be recognized as municipal holidays:

- January 1, New Year's Day
- Third Monday in January, Martin Luther King, Jr. Day
- Third Monday in February, Presidents Day
- Last Monday in May, Memorial Day
- June 19, Juneteenth
- July 4, Independence Day
- First Monday in September, Labor Day
- November 11, Veterans Day
- Thanksgiving Day
- Friday following Thanksgiving Day
- December 24, Christmas Eve Day
- December 25, Christmas Day
- Two Floating Holidays, to be scheduled subject to approval by the Chief of Police

Regular full-time non-sworn employees will receive eight (8) hours of pay for each holiday that falls on a scheduled workday. Regular part-time non-sworn employees will receive prorated holiday pay pursuant to Section XIV Proration

Of Holiday, General, And Bereavement Leave Accruals For Regular Part-Time Employees (RPT).

When any day recognized as a holiday by the City falls on a Sunday, the following Monday shall be considered the holiday. When any day recognized as a holiday by the City falls on a Saturday, the preceding Friday shall be considered the holiday.

The floating holiday must be scheduled and used during the fiscal year.

If an employee's hire date falls between July 1 and December 31, the employee will be eligible for the floating holiday during the current fiscal year. If an

employee's hire date falls between January 1 and June 30, the employee will be eligible for the floating holiday beginning July 1, of the next fiscal year.

Holidays shall not be carried over from one fiscal year to another. Upon separation, an unused holiday cannot be converted to cash.

With the continuation of the Nine-Eighty (9/80) bi-weekly work schedule, Closed Holiday Credits and debits will be calculated for each employee by Payroll and will be funded in the employee's Floating Holiday Bank on July 1 of the current fiscal year. Closed Holiday Credits are subject to all the benefits and restrictions of a Floating Holiday. They have no cash value and cannot be carried over from one fiscal year to the next fiscal year. If the employee separates from service before the end of the fiscal year, no further adjustments in the Closed Holiday Credits will be made.

If the employee does not have any accrued leave available to be charged for the additional hour(s) for the holiday, the employee shall be charged with leave without pay.

B. Public Safety Management

Regular full-time sworn employees in the classification of Police Captain and Police Lieutenant shall receive as compensation in-lieu of holidays an amount equal to seven percent (7.0%) of regular pay, to be paid each pay period. (See Section XIX. A. for completethe complete list of holidays.)

C. Regular Part-Time Employees

Upon completion of one thousand forty (1,040) work hours or one (1) year of continuous active service, whichever occurs first, regular part-time employees shall be eligible for prorated holidays in accordance with Section XV XIX. and as listed below:

Work Schedule	Holiday Pay
30-35 work hours	6-7 hours per holiday
20-25 work hours	4-5 hours per holiday

XX. GRIEVANCE PROCEDURE

Any dispute between the City and an employee regarding the interpretation or application of this Memorandum of UnderstandingMOU shall be considered a grievance. A grievance may be filed by an employee on their own behalf or by the President of the Association and/or their designated representative effecting the rights of an employee pursuant to this agreement who is represented by the Association. For purposes of this section, all notices required herein shall be effected when personally served supported by a declaration under penalty of perjury of the fact of personal service stating the time, place and person served. Notice may also be served by addressing said notice to the City supervisor involved at the City Administration Building or the

employee at his home address as shown in the Human Resources Office, postage prepaid, mailed by certified mail return receipt requested. Notice sent by certified mail shall be considered served upon deposit in the U.S. Mail postage prepaid.

A written grievance shall contain a complete statement of the grievance, the alleged facts upon which the grievance is based, the reasons for the grievance, the remedy requested, and the sections of this agreement alleged to have been violated. The grievance shall be signed and dated by the employee and/or the President of the Association on behalf of an employee represented by the Association.

Hearings on grievances and actual filing of grievances may be processed during normally scheduled working hours. All other activities related to the employee's or Association's preparation and processing of the appeal grievance shall be done outside of scheduled working hours. No employee or Association representative shall be entitled to any additional compensation or premium pay for any time spent in preparing or processing grievances. No grievances shall be processed during periods of overtime.

The employee or the Association shall pay for the time and expenses of their ~~(its)~~ representatives and witnesses through all stages of the grievance procedure. Witnesses who are City employees and who are on duty at the time of a scheduled appearance shall be released from duty without loss of compensation for the time required to testify. One spokesperson from the Association shall be permitted to be present without loss of compensation during hearings on grievances.

Time limits set forth herein for processing of the grievance procedure are of the essence of this procedure and are to be strictly complied with. Time limits may be extended only by written mutual agreement of the employee and/or Association and the supervisor conducting a hearing.

Any grievance not filed or appealed by the employee within the time limits specified shall be considered settled on the basis of the last disposition given. In the event the grievance is not answered by the City within the time limits set forth herein, the employee may and/or the Association on behalf of the employee may take the grievance to the next higher step in the grievance procedure within the time limits provided.

No resolution of any grievance shall be contrary to the provisions of this ~~Memorandum of Understanding~~MOU.

An Association employee shall not be penalized if he/she erroneously files a grievance rather than an appeal or vice versa under City of Newark Ordinance No. 77.10, Section 8, RIGHT OF APPEAL. At such time as the employee is notified in writing that the wrong procedure has been utilized, the employee shall refile the action as a grievance or appeal within five (5) calendar days of the date of notification of erroneous filing.

Grievances shall be processed in the following manner:

A. Within ten (10) calendar days of the occurrence of the matter on which a grievance is based, the employee and/or Association representative shall discuss the grievance in a meeting with the immediate supervisor of the employee involved.

~~B.~~ If after such discussion the employee and/or the Association does not believe the problem has been satisfactorily resolved, ~~he/she/it~~they shall have the right, within ten

B. (10) calendar days of the occurrence of the matter to file a formal written grievance of the personnel action with the employee's immediate supervisor.

C. Within ten (10) calendar days of receipt of the notice of formal written grievance, the immediate supervisor shall provide their decision in writing to the employee and/or Association representative.

D. Within ten (10) calendar days of the receipt of the decision from the employee's immediate supervisor, the employee and/or the Association may appeal the grievance by presenting a formal written appeal on the grievance to the Chief of Police.

E. Within ten (10) calendar days of receipt of the formal appeal on the grievance, the Chief of Police shall provide a written decision to the employee and/or Association.

F. Within ten (10) calendar days of receipt of the decision of the Chief of Police, the employee and/or the Association may present a formal appeal of the grievance to the City Manager. The City Manager or their designated representative within ten (10) calendar days of receipt of the appeal shall make a thorough review of the grievance, meet with the Police Chief and the parties involved to attempt to resolve the grievance and, if necessary, thereafter provide a written decision to the employee and/or employee association within ten (10) calendar days of the meeting date.

G. Within ten (10) calendar days of receipt of the decision of the City Manager, the employee and/or employee association may demand in writing to the City Manager that a formal appeal of the grievance be submitted to an independent fact~~-~~finder from a list of three qualified fact~~-~~finders submitted to the City by the American Arbitration Association.

1. The City Manager and the employee and/or Association representative shall alternately strike names from the list so furnished and the last name remaining shall be designated as the ~~fact-finder~~factfinder.

2. The City and the employee and/or Association shall share equally the fees and expenses of the ~~fact-finder~~factfinder as well as the cost of making a record of the fact~~-~~finder. Each party shall bear their attorney's fees.

3. The rules of conduct of proceedings shall be according to those procedures for expedited fact-finding utilized by the American Arbitration Association.

4. The City and the employee both hold the right to be represented by an attorney or a representative of the employee's union or association.

5. If either of the parties does not accept the decision of the fact-finder, the party may appeal to a court of competent jurisdiction to hear the matter based on the transcript of evidence submitted to the fact-finder and conclusions of the ~~fact-finder~~factfinder.

XXI. IMPLEMENTATION OF SECTION 414(h)(2) OF THE UNITED STATES INTERNAL REVENUE CODE

A. Pick-up of Employee Contributions

1. Pursuant to the provisions of this Agreement, the City shall make employee contributions on behalf of employees, and such contributions shall be treated as employer contributions in determining tax treatment under the Internal Revenue Code of the United States. Such contributions are being made by the City in lieu of employee contributions.

2. Employee contributions made under paragraph 1 shall be paid from the same source of funds as used in paying the wages to affected employees.

3. Employee contributions made by the City under paragraph 1 shall be treated for all purposes other than taxation in the same manner and to the same extent as employee contributions made prior to the effective date of this Agreement.

4. The employee does not have the option to receive the City's contributed amounts paid pursuant to this Agreement directly instead of having them paid to the retirement system.

B. Wage Adjustment

Notwithstanding any provision in the current agreement to the contrary, the wages of employees shall be reduced by the amount of employee contributions made by the City pursuant to the provisions hereof.

C. Limitations to Operability

Section XXI. shall be operative only as long as the City of Newark pick-up of employee retirement contributions continues to be excludable from gross income of the employee under the provisions of the Internal Revenue Code.

XXII. MANAGEMENT RIGHTS

The exercise by the City through its City Council and management representatives of its rights here under shall not in any way be directly or indirectly subject to the grievance procedure herein, except for specific provisions addressed in other clauses of this ~~Memorandum of Understanding~~MOU.

The Association recognizes that the City has and will continue to retain, whether exercised or not, the unilateral and exclusive right to operate, administer and manage its municipal services and work-force performing those services in all respects, provided that this clause shall not supersede any other provisions of this ~~Memorandum of Understanding~~MOU.

The City Manager and Department Heads have and will continue to retain exclusive decision-making authority on matters not expressed in provisions of this ~~Memorandum~~MOU; and such decision-making shall not be in any way, directly or indirectly, subject to the grievance procedure contained herein.

The exclusive rights of the City shall include, but not be limited to, the right to determine the organization of City government and the purpose and mission of its constituent agencies, to set standards of service to be offered to the public, and through its management officials to exercise control and discretion over its organization and operations, to establish and effect administrative regulations and employment rules and regulations consistent with law and the specific provisions of this ~~Memorandum of Understanding~~MOU, to direct its employees to take disciplinary action for just cause, to relieve its employees from duty because of lack of work or for other legitimate reasons, to determine whether goods or services shall be made, purchased or contracted for, to determine the method, means and personnel by which the City services are to be provided, including the right to schedule and assign work and overtime and to otherwise act in the interest of efficient service to the community.

ATTACHMENT A

PAY PLAN

This Newark Police Management Association Pay Plan applies to all employees.

I. POLICY

The City's policy for employee salaries is to establish and maintain a general salary structure based on marketplace norms and internal job alignment, which provides flexibility to reward personnel based on performance. Structures and ranges will be reviewed annually and updated as necessary based on the market conditions, internal relationships, and City's financial condition.

Individual salary adjustments will be considered by the City Manager based on (1) performance factors and overall contribution to management of the City; (2) pay structure adjustments; and (3) City's financial condition.

II. ADMINISTRATION

The City Manager shall be accountable to the City Council for the overall administration of the Newark Police Management Association Pay Plan and will report on such administration annually or more often, as requested. The Police Chief is responsible for recommending to the City Manager salary adjustments for employees who are covered by the Plan.

The City Council shall consider the necessary adjustment of employee salary ranges annually. In determining plan adjustments, the City Council shall consider such matters as changes in the cost of living, other salary changes such as those arrived at through negotiations with recognized employee groups, compression between this employee group and subordinate class ranges and the competitive position of the City in recruitment and retention of personnel.

The overall salary structure, supporting administrative policies, and assignment of classifications to salary ranges will be reviewed annually by the City Manager with appropriate reporting to the City Council relative to the status of the program.

III. BASIC PLAN ELEMENTS

A. Structure. The Newark Police Management Association Pay Plan consists of four (4) salary ranges. There shall be no specific or predetermined "steps" within the range thus allowing the flexibility of adjustment to recognize varying levels of performance. All classifications will be assigned an appropriate pay grade based on salary survey data and internal relationships.

~~Effective July 1, 2022, the minimum of each range will be adjusted to be 20% below the top of the range~~

B. Performance Appraisal. All employees shall have their performance reviewed at least once each fiscal year, generally coinciding with the employee's anniversary date or as described in Administrative Regulation 0510. All individual salary adjustments shall be based on performance. The performance review program provides a planned and orderly means of evaluating individual performance in relation to areas of accountability and program responsibilities. The ~~Chief of~~ Police Chief will make a recommendation based on the employee's performance appraisal for any salary adjustments to the City Manager.

~~Eligibility for merit increases will resume at the start of the term of the MOU. Performance evaluations are expected to occur in July and August of 2022, with merit increases to occur approximately in September 2022, and annually thereafter.~~

C. Adjustments based on Range Movement. Adjustments to salary ranges may occur to reflect cost-of-living changes, labor market conditions, and parity to avoid compression. The City Manager may grant an upward adjustment in an individual's salary in any amount up to an amount equal to the adjustment in the salary range or the City Manager may maintain an individual salary at present level. An adjustment of individual salaries is not required by a change in the salary range to which the position is assigned except to maintain the minimum salary for the range.

D. Meritorious Performance Adjustment. An employee shall be eligible to receive one merit increase per twelve-month period if the employee's performance is beyond a satisfactory level. A meritorious performance adjustment would be in addition to any adjustment based on range movement. For each fiscal year during the term of this MOU, such an increase shall be up to five percent (5%), the exact percentage being determined by the City Manager based on an evaluation of the degree of meritorious service and overall contribution to management of the City.

Salary adjustments more frequently than once each twelve (12) month period, but not more than once each six (6) months may be approved by the City Manager for the following reasons:

1. An employee's salary is below the midpoint of the range and the employee has experienced substantial growth in their position representing an increased value to the City.

2. An employee has demonstrated outstanding performance or made an exceptional contribution to the City.

Whenever an employee receives a six (6) -month meritorious performance adjustment, the employee's anniversary date will change pursuant to the Personnel Rules and Regulations.

E. Special Adjustment. The City Manager may authorize salary adjustments up to ten percent (10%) ~~percent~~ per fiscal year within the assigned salary range for the following reasons:

1. An employee's performance consistently exceeds the scope and expectations of their classification as determined by the City Manager.

2. Competitive labor market conditions warrant an adjustment.

3. An employee's overall contribution and value to the City as determined by the City Manager warrants an adjustment.

~~ATTACHMENT B SALARY SCHEDULE~~

~~COMPENSATION BASE FOR REGULAR FULL-TIME CLASSIFICATIONS~~

~~Newark Police Management Association Employees Effective July 1, 2022~~

ATTACHMENT B
Salary Schedule Effective 7/11/2025

	Step 1			Step 2			Step 3			Step 4			Step 5		
Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Police Captain	107.44	8,595.20	223,475.20	RANGE 22 - CAP									128.94	10,315.20	268,195.20
Police Lieutenant	92.78	7,422.40	192,982.40	RANGE 19 - LT									111.33	8,906.40	231,566.40
Community Engagement Manager	70.65	5,652.00	146,952.00	RANGE 14									84.78	6,782.40	176,342.40
Police Support Services Manager	81.80	6,544.00	170,144.00	RANGE 17									98.14	7,851.20	204,131.20

ATTACHMENT B
Salary Schedule Effective 7/01/2026

	Step 1			Step 2			Step 3			Step 4			Step 5		
Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Police Captain	113.89	9,111.20	236,891.20	RANGE 22 - CAP									136.68	10,934.40	284,294.40
Police Lieutenant	98.35	7,868.00	204,568.00	RANGE 19 - LT									118.01	9,440.80	245,460.80
Community Engagement Manager	73.12	5,849.60	152,089.60	RANGE 14									87.75	7,020.00	182,520.00
Police Support Services Manager	84.66	6,772.80	176,092.80	RANGE 17									101.57	8,125.60	211,265.60

ATTACHMENT B
Salary Schedule Effective 7/01/2027

	Step 1			Step 2			Step 3			Step 4			Step 5		
Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Police Captain	119.58	9,566.40	248,726.40	RANGE 22 - CAP									143.51	11,480.80	298,500.80
Police Lieutenant	103.27	8,261.60	214,801.60	RANGE 19 - LT									123.91	9,912.80	257,732.80
Community Engagement Manager	75.68	6,054.40	157,414.40	RANGE 14									90.82	7,265.60	188,905.60
Police Support Services Manager	87.62	7,009.60	182,249.60	RANGE 17									105.12	8,409.60	218,649.60

~~Grade Code~~	~~Minimum~~	~~Maximum~~
~~RANGE 01~~	~~$ 5,885.70~~	~~$ 7,062.84~~
~~RANGE 02~~	~~$ 6,183.14~~	~~$ 7,419.77~~
~~RANGE 03~~	~~$ 6,491.40~~	~~$ 7,789.68~~
~~RANGE 04~~	~~$ 6,812.28~~	~~$ 8,174.74~~
~~RANGE 05~~	~~$ 7,154.78~~	~~$ 8,585.74~~
~~RANGE 06~~	~~$ 7,515.32~~	~~$ 9,018.38~~
~~RANGE 07~~	~~$ 7,888.47~~	~~$ 9,466.16~~
~~RANGE 08~~	~~$ 8,283.26~~	~~$ 9,939.91~~
~~RANGE 09~~	~~$ 8,696.06~~	~~$ 10,435.27~~
~~RANGE 10~~	~~$ 9,132.31~~	~~$ 10,958.77~~

~~RANGE 11~~	~~$ 9,590.18~~	~~$ 11,508.22~~
~~RANGE 12~~	~~$ 10,069.70~~	~~$ 12,083.64~~
~~RANGE 13~~	~~$ 10,570.84~~	~~$ 12,685.01~~
~~RANGE 14~~	~~$ 11,099.02~~	~~$ 13,318.82~~
~~RANGE 15~~	~~$ 11,659.65~~	~~$ 13,991.58~~
~~RANGE 16~~	~~$ 12,238.30~~	~~$ 14,685.96~~
~~RANGE 17~~	~~$ 12,849.41~~	~~$ 15,419.29~~
~~RANGE 18~~	~~$ 13,494.76~~	~~$ 16,193.71~~
~~RANGE 19~~	~~$ 14,167.16~~	~~$ 17,000.59~~
~~RANGE 20~~	~~$ 14,875.61~~	~~$ 17,850.73~~
~~RANGE 21~~	~~$ 15,621.91~~	~~$ 18,746.29~~
~~RANGE 22~~	~~$ 16,406.07~~	~~$ 19,687.28~~
~~RANGE 23~~	~~$ 17,220.87~~	~~$ 20,665.04~~
~~RANGE 24~~	~~$ 18,084.35~~	~~$ 21,701.22~~
~~RANGE 25~~	~~$ 18,992.90~~	~~$ 22,791.48~~
~~RANGE 26~~	~~$ 19,939.30~~	~~$ 23,927.16~~
~~RANGE 27~~	~~$ 20,936.17~~	~~$ 25,123.40~~
~~RANGE 28~~	~~$ 21,978.11~~	~~$ 26,373.73~~
~~RANGE 29~~	~~$ 23,079.54~~	~~$ 27,695.45~~
~~RANGE 30~~	~~$ 24,233.25~~	~~$ 29,079.90~~

~~Monthly s~~Salaries listed for full-time non-sworn management employees are based on a forty (40) -hour workweek. ~~Monthly s~~Salaries listed for full-time sworn management positions are based on designated shift schedules. Regular part-time non-sworn management employee salaries are prorated based on the forty (40)- hour workweek salary ranges.

ATTACHMENT B

SALARY SCHEDULE

COMPENSATION BASE FOR REGULAR FULL-TIME CLASSIFICATIONS

Newark Police Management Association Employees

Effective July 1, 2023

Grade Code	Minimum	Maximum
RANGE 01	$ 6,062.27	$ 7,274.73
RANGE 02	$ 6,368.63	$ 7,642.36
RANGE 03	$ 6,686.14	$ 8,023.37
RANGE 04	$ 7,016.65	$ 8,419.98
RANGE 05	$ 7,369.42	$ 8,843.31
RANGE 06	$ 7,740.78	$ 9,288.93
RANGE 07	$ 8,125.12	$ 9,750.14
RANGE 08	$ 8,531.76	$ 10,238.11
RANGE 09	$ 8,956.94	$ 10,748.33
RANGE 10	$ 9,406.28	$ 11,287.53
RANGE 11	$ 9,877.89	$ 11,853.47
RANGE 12	$ 10,371.79	$ 12,446.15
RANGE 13	$ 10,887.97	$ 13,065.56
RANGE 14	$ 11,431.99	$ 13,718.38
RANGE 15	$ 12,009.44	$ 14,411.33
RANGE 16	$ 12,605.45	$ 15,126.54
RANGE 17	$ 13,234.89	$ 15,881.87
RANGE 18	$ 13,899.60	$ 16,679.52
RANGE 19	$ 14,592.17	$ 17,510.61
RANGE 20	$ 15,321.88	$ 18,386.25
RANGE 21	$ 16,090.57	$ 19,308.68
RANGE 22	$ 16,898.25	$ 20,277.90
RANGE 23	$ 17,737.50	$ 21,284.99
RANGE 24	$ 18,626.88	$ 22,352.26
RANGE 25	$ 19,562.69	$ 23,475.22
RANGE 26	$ 20,537.48	$ 24,644.97
RANGE 27	$ 21,564.26	$ 25,877.10
RANGE 28	$ 22,637.45	$ 27,164.94
RANGE 29	$ 23,771.93	$ 28,526.31
RANGE 30	$ 24,960.25	$ 29,952.30

Monthly salaries listed for full-time non-sworn management employees are based on a 40-hour workweek. Monthly salaries listed for full-time sworn management positions are based on designated shift schedules. Regular part-time non-sworn management employee salaries are prorated based on the 40-hour workweek salary ranges.

ATTACHMENT B

SALARY SCHEDULE

COMPENSATION BASE FOR REGULAR FULL-TIME CLASSIFICATIONS

Newark Police Management Association Employees

Effective July 1, 2024

Grade Code	Minimum	Maximum
RANGE 01	$ 6,244.14	$ 7,492.97
RANGE 02	$ 6,559.69	$ 7,871.63
RANGE 03	$ 6,886.72	$ 8,264.07
RANGE 04	$ 7,227.15	$ 8,672.58
RANGE 05	$ 7,590.50	$ 9,108.61
RANGE 06	$ 7,973.00	$ 9,567.60
RANGE 07	$ 8,368.87	$ 10,042.64
RANGE 08	$ 8,787.71	$ 10,545.25
RANGE 09	$ 9,225.65	$ 11,070.78
RANGE 10	$ 9,688.47	$ 11,626.16
RANGE 11	$ 10,174.23	$ 12,209.07
RANGE 12	$ 10,682.94	$ 12,819.53
RANGE 13	$ 11,214.61	$ 13,457.53
RANGE 14	$ 11,774.95	$ 14,129.93
RANGE 15	$ 12,369.72	$ 14,843.67
RANGE 16	$ 12,983.61	$ 15,580.34
RANGE 17	$ 13,631.94	$ 16,358.33
RANGE 18	$ 14,316.59	$ 17,179.91
RANGE 19	$ 15,029.94	$ 18,035.93
RANGE 20	$ 15,781.54	$ 18,937.84
RANGE 21	$ 16,573.29	$ 19,887.94
RANGE 22	$ 17,405.20	$ 20,886.24
RANGE 23	$ 18,269.63	$ 21,923.54
RANGE 24	$ 19,185.69	$ 23,022.83
RANGE 25	$ 20,149.57	$ 24,179.48
RANGE 26	$ 21,153.60	$ 25,384.32
RANGE 27	$ 22,211.19	$ 26,653.41
RANGE 28	$ 23,316.57	$ 27,979.89
RANGE 29	$ 24,485.09	$ 29,382.10
RANGE 30	$ 25,709.06	$ 30,850.87

Monthly salaries listed for full-time non-sworn management employees are based on a 40-hour workweek. Monthly salaries listed for full-time sworn management positions are based on designated shift schedules. Regular part-time non-sworn management employee salaries are prorated based on the 40-hour workweek salary ranges.

ATTACHMENT C

GENERAL LEAVE PLAN

I. DEFINITION

General Leave is compensated leave for those eligible employees who are absent from duty because of illness, death in the family, medical or dental care appointments, family care, personal reasons or who utilize the time off as vacation.

Management Leave shall remain separate from General Leave.

II. APPLICABILITY

The General Leave Plan shall apply to regular full-time employees. Regular part-time employees shall be eligible for prorated general leave based on actual hours worked or budgeted to work. For example, an employee with one (1) year of City service who works thirty-five (35) hours per week will receive one hundred sixty-one (161) hours of general leave per year. An employee with one (1) year of City service who works twenty-four (24) hours per week will receive one hundred ten and four tenths (110.4) hours of general leave per year. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for proration.

~~For payroll implementation, hours/accruals in excess of those based on a 20 or 30 hour workweek will be reimbursed to employees on a quarterly basis until the process is automated.~~

III. GENERAL LEAVE CREDITS

A. Regular Full-Time Employees
Eligible regular full-time employees shall be entitled to the following annual accrual.

Years of Completed Service	RFT Leave Accrual
1 through 9	184 hours
10 through 14	224 hours
15 through 19	240 hours
20 or more	264 hours

B. General Leave shall be accrued in hours on a semi-monthly basis.

C. During an absence without pay which extends more than fourteen (14) calendar days during a calendar month, the employee shall not accrue General Leave credits.

D. General Leave During First Year: Beginning on the ninetieth (90th) ~~th~~ day of employment, regular employees shall be eligible to earn General Leave credits. Upon the completion of said period of service, regular full-time employees shall be credited with forty-six (46) working hours of General Leave and shall thereafter accrue General Leave at the rate of seven and sixty-six hundredths (7.66) working hours, semi-~~-~~monthly for the remainder of the first year and as provided in Subsection A, Section III, above.

E. Maximum Accumulation: Regular Full-time employees may accumulate General Leave credits according to the following schedule:

Years of Completed Service	Maximum Accrual
1 through 9	368 hours
10 through 14	448 hours
15 through 19	480 hours
20 or more	528 hours

F. Regular Part-Time Employees

Beginning on the ninetieth (90th) ~~th~~ day of employment, regular part-time employees shall be credited with prorated general leave in accordance with Section II above and as follows:

Years of Completed Service	20-25 hour Leave Accrual	30-35 hour Leave Accrual
1 through 9	92-115 hours	138-161 hours
10 through 14	112-140 hours	168-196 hours
15 through 19	120-150 hours	180-210 hours
20 or more	132-165 hours	198-231 hours

G. Maximum Accumulation: Regular Part-time employees may accumulate General Leave credits according to the following schedule:

Years of Completed Service	20-25 hour Maximum Accrual	30-35 hour Maximum Accrual
1 through 9	184-230 hours	276-322 hours
10 through 14	224-280 hours	336-392 hours
15 through 19	240-300 hours	360-420 hours
20 or more	264-330 hours	396-462 hours

When maximum accrual limits have been reached, excess General Leave credits earned shall be transferred to the Rollover Leave bank ~~on a quarterly~~. Rollover Leave may be used in order to provide security against an employee's extended illness and may not be used for retirement service credit.

Effective August 2, 2025, the Rollover Leave bank will be eliminated. Employees reaching the maximum amount of General Leave credits will immediately cease earning General Leave credits. General Leave credits remaining in the Rollover Leave Bank on August ~~XX~~2, 2025 will be cashed out in the following pay period.

Exceptions to the maximum accrual limits may be approved by the City Manager under special circumstances. Requests to exceed maximum accrual limits must be submitted through the ~~Chief of~~ Police Chief to the City Manager prior to reaching maximum accrual.

IV. ~~GENERAL LEAVE IMPLEMENTATION~~LEAVE CREDITS TRANSITION

Unused leave credits shall be transitioned ~~to General Leave~~ as follows:

A. Vacation Leave Credits: All unused vacation leave credits shall be converted to General Leave credits on an hour-for-hour basis.

B. Sick Leave Credits: All unused sick leave credits shall be maintained in a sick leave bank to be used in accordance with the provisions of the General Leave Plan. Accrued time in the sick leave bank shall not be compensated for in any manner except as used for sick leave or retirement service credit.

C. At time of conversion to General Leave, if vacation credits exceed General Leave accrual limit, a plan shall be developed to reduce converted vacation leave credits to the General Leave accrual limits within six (6) months. A longer period to reduce converted vacation leave credits may be approved by the City Manager under special circumstances.

V. GENERAL LEAVE USAGE

Request and Approval: The Police Chief is responsible for arranging leave schedules so that adequate personnel are available to carry on city work. The use of General Leave shall require approval of the ~~Chief of~~ Police Chief or their designee and shall be governed by the current Personnel Rules dealing with leaves unless specifically covered by this Plan document.

Whenever possible, General Leave requests must be approved in advance of the days to be taken as General Leave. The procedure for requesting the use of General Leave shall be as follows:

A. General Leave (Non-medical): Any leave that can be reasonably forecast or anticipated such as vacation, care of children, personal business, etc. shall require prior approval of the Police Chief, or the employee's supervisor. The time and amount of General Leave to be taken for non-medical purposes shall be determined by the Police Chief with due regard for the wishes of the

employee and particular regard for the needs of the City.

B. General Leave (Medical): An unscheduled absence from work due to an employee's illness shall be referred to as General Leave for medical reasons. The Police Chief may require an employee to furnish satisfactory evidence justifying the need to be absent from work for medical reasons. The provisions of A.R. 0513 on sick leave usage shall apply to employees using General Leave for medical reasons. The Police ~~Cheif~~ Chief shall make the determination and final approval of unscheduled General Leave for medical reasons.

C. An employee may request General Leave for an unanticipated absence from work (e.g. medical, car trouble, care of children, etc.) by notifying their supervisor within one (1) hour after the time set for reporting to work on the first day of such leave and as often thereafter as directed by their supervisor. Final approval for an unanticipated, unscheduled absence shall require Police Chief approval. Failure to request an unscheduled leave in the manner described may result in lost work time charged as leave without pay or unauthorized leave of absence. Inappropriate use of unscheduled leave may be grounds for corrective action consistent with current practice.

D. Any employee who is absent from work on an unscheduled leave shall not engage in work or other activities which will inhibit their ability to return to work at the earliest possible time.

E. Medical examination by the City's examining physician may be requested by the Police Chief after prolonged, serious, or repetitious illness, injury, or major surgery. An employee's return to duty following illness or injury is subject to the approval of the Police Chief or City Manager based upon medical information supplied by the employee's physician and/or the City's physician.

F. On-the-job Injury: An employee absent from work because of a temporary disability which is defined as industrial under the Workers' Compensation Act may charge General Leave credits (or unused sick leave, if approved by the City Manager) in an amount necessary to make up the difference between the employee's regular pay and the amount payable to the employee as temporary disability payments from the Workers' Compensation Insurance Plan of the City.

G. Use of General Leave When Permanently Incapacitated: General Leave shall not be used to continue the salary of employment of any employee after it has been determined that such employee is permanently incapacitated from returning to employment and is eligible for disability retirement.

H. Sick Leave Bank: A sick leave bank shall be established for each employee eligible for General Leave. When an employee becomes eligible for General Leave, any unused sick leave credits will be maintained in this account. Employees may transfer General Leave credits to their sick leave bank in accordance with Section VI of the General Leave Plan.

I. Use of Sick Leave Bank:

1. Upon approval of the City Manager, an employee whose absence is due to illness or injury which qualifies for Family Medical Leave Act (FMLA) or other legally-protected leave, may use unused sick leave balances for absences due to further illness or injury prior to using further General Leave.

2. Upon approval of the City Manager, an employee whose absence is due to illness or injury for more than five (5) consecutive workdays for any one occurrence may use unused sick leave balances for absences due to further illness or injury for that particular medical condition prior to further using General Leave.

3. Upon approval of the City Manager, an employee who has exhausted all General Leave credits may be granted the use of unused sick leave balances for a medical purpose. The City Manager may impose up to a five (5) workday waiting period based upon a review of the employee's General Leave usage.

VI. GENERAL LEAVE CONVERSION TO PAY OR SICK LEAVE

~~A.~~ Buy-Back: A regular full-time employee may request to receive pay, or elect equivalent deferral into one of the City sponsored deferred compensation plans within IRS limitations, for up to a total of ~~eighty~~ one hundred sixty (~~8~~160) hours of General Leave per ~~fiscal~~ calendar year ~~([~~forty~~ eighty (~~4~~80) to ~~fifty~~ hundred (~~5~~100) hours for twenty (20) to twenty-five (25) hour employees; ~~sixty~~ one hundred twenty (~~6~~120) to ~~seventy~~one hundred forty (~~7~~140) hours for thirty (30) to thirty-five (35) hour employees]~~)~~ in hourly increments at the current hourly salary rate. ~~To be eligible for General Leave conversion to cash, an employee must have a minimum of 10 days (80 hours for full-time or prorated for RPT) of General Leave credits remaining after the conversion. Requests for General Leave buy-back may be made up to two times per fiscal year in October and/or April for payment on December 15 and/or June 15 or may be deferred into one of the City sponsored deferred compensation plans within IRS limitations.~~

~~For calendar year 2022 only, the total amount of general leave allowed for conversion will be increased one time to 120 hours for regular full-time employees.~~

~~For calendar year 2022, 2023 and 2024, for the positions of Police Lieutenant and Police Captain only, the total amount of general leave allowed for conversion will be increased to a total of 160 hours for each calendar year. Effective January 1, 2025 the amount of general leave allowed for conversion will revert to 80 hours per year.~~

~~Effective November 2022 –~~

B. By December 1 of each calendar year, eligible employees who want to cash-out general leave in the following calendar year to be paid the first pay period each October, shall make an irrevocable election to cash out in the next calendar year, subject to the conditions set forth below:

- ~~For regular full-time employees: the employee may cash out up to 80 hours of general leave.~~
- Employees must have a minimum of ten (10) days [eighty (80) hours for full-time or prorated for part-time) remaining in general leave accruals at the time of cash out.
- Employees must submit their General Leave Buy-Back Request Form to Payroll by December 1. This is an irrevocable election by the employee.

~~For example, to buy back general leave that is accrued in calendar year 2023, a full-time employee must elect by December 1, 2022, the amount of hours they want to buy-back. Employees must further ensure they will have at least ten (10) days of general leave accruals remaining at the time of the buy-back which will occur in December 2023. The buy-back will be paid out in the last full pay period of December 2023, which is December 29, 2023.~~

The City makes no representation as to the tax consequences of an employee cashing out accrued leave or the general leave buy-back program. It is the

employee's sole responsibility to address the tax consequences of cashing out accrued leave or the general leave buy-back program.

VII. GENERAL LEAVE AT TERMINATION

A. An eligible employee whose employment with the City terminates shall be paid for any unused General Leave. Payment for unused General Leave shall be made at the hourly rate of pay in effect for such employee at the time of separation.

B. When termination is caused by the death of an employee, pay for unused General Leave shall be paid to the beneficiary the employee has designated. Such designation shall be in writing, signed by the employee and filed with the Human Resources ~~Office~~Department. In the event an employee has not designated a beneficiary, the payment shall be made to the estate of the employee.

VIII. HOLIDAYS DURING GENERAL LEAVE

When a day designated and observed by the City as a holiday occurs on a day on which an employee is taking General Leave, such employee shall not be charged as using General Leave for that day. The employee's compensation for that day shall be holiday pay.

CITY OF NEWARK, CALIFORNIA

To: Newark Police Management Association (NPMA) Executive Board

From: Jennifer Solito, Human Resources Director

Date: December 7, 2022

This will serve as a side letter to the City of Newark (City) and the Newark Police Management Association (NPA) July 1, 2022 - June 30, 2025 Memorandum of Understanding (MOU). The purpose of this side letter is to address potential staffing needs related to the Selected Traffic Enforcement Program grant received by the Califomia Office of Traffic Safety, which the City Council approved receipt of on September 22, 2022.

The City and Association have met and conferred and agreed to the following amendments below related to provisions allowing Lieutenants to perform work and be compensated for work related to the grant.

The City and NPMA agree to the following amendments to the MOU with revisions in redline:

Section IV of MOU:

IV. COMPENSATION

B. OVERTIME PAY

The following provision only applies to activities funded with the grant(s) received by the Office of Traffic Safety (OTSL with a term of October 1, 2022 to September 30, 2023 (Contract Number PT23054).

In the event of a shortage of personnel to fulfill the specified OTS grant funded events and if flexible scheduling is not operationally practical, the Police Chief or designee may require employees who hold tt rank of Lieutenant to perform work required by the OTS grant that is outside of their regular duties and outside of their regular schedule. Such work shall be compensated at time and one-half of the base pay rate for top step Sergeant, and shall be designated as OTS overtime.

For overtime compensation to apply, the event must deviate from normal Lieutenant duties and be an 01 grant funded activity which is fully reimbursable through the OTS grant to the City. In no event will a Lieutenant perform more than 24 hours of work per month under this provision.

For employees to be eligible to participate in OTS grant funded events on overtime, the event must first t offered to all eligible personnel of the rank of Sergeant and Officer. When it is determined by the Police Chief or designee that there is inadequate staffing to accomplish the event, the overtime can at that point be required of Lieutenants at the Police Chief's discretion. In no way will this overtime agreement be use to supplfill! overtime opportunities for staff of the rank of Sergeant or Officer. The City makes no overtimi

guarantee for Lieutenants assigned to an applicable event, as flexible staffing is the preferred method of staffing events whenever practical. A member of the rank of Sergeant or Officer may replace a Lieutenant at any time up to the start of the event.

Dated: _____

For the City of Newark: For the Newark Police Management Association:

_____ _____

David J. Benoun, City Manager Jonathan Arguello, President

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-ity of Newark

City Manager's Office
NEWARK
califo.nia

To: Newark Police Management Association Executive Board

From: David Benoun; City Manager
Lenka Hovorka, Assistant City Manager

Date: October 25, 2023

This will serve as a side letter to the City of Newark (City) and the Newark Police Management Association (NPMA) July 1, 2022 - June 30, 2025 Memorandum of Understanding (MOU). The purpose of this side letter is to address salary of the classification of Community Engagement Manager. This side letter will become effective upon approval by the City Council.

The proposed change to the above referenced MOU is the following:

1. Repeal and replace Range "10" in Section IV. COMPENSATION with Range "12" for the classification of Community Engagement Manager.

Dated: II/21/2023

For the City of Newark:

David J. Benoun, City Manager

For the Newark Police Management Association Employees:

Jonathan Arguello, President

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City of Newark

NEWARK
california

City Manager's Office
37101 Newark Boulevard
Newark, CA 94560

To: Newark Police Management Association Executive Board

From: David Benoun, City Manager
Lenka Hovorka, Assistant City Manager

Date: December 5, 2023

This will serve as a side letter to the City of Newark (City) and the Newark Police Management Association (NPMA) July 1, 2022- June 30, 2025 Memorandum of Understanding (MOU). The purpose of this side letter is to address potential staffing needs related to the Selected Traffic Enforcement Program grant received by the California Office of Traffic Safety, which the City Council approved receipt of at the September 28, 2023 Council Meeting.

The City and NPMA have met and conferred and agreed to the following amendments below related to provisions allowing Lieutenants to perform work and be compensated for work related to the grant.

The City and NPMA agree to the following amendments to the MOU with revisions in redline:

Section IV of MOU:

IV. COMPENSATION

B. OVERTIME PAY

The following provision only applies to activities funded with the grant(s) received by the Office of Traffic Safety (OTS), with a term of October 1, 202□1, to September 30, 202J□ (Contract Number PT23054 PT24129).

In the event of a shortage of personnel to fulfill the specified OTS grant funded events and if flexible scheduling is not operationally practical, the Police Chief or designee may require employees who hold the rank of Lieutenant to perform work required by the OTS grant that is outside of their regular duties and outside of their regular schedule. Such work shall be compensated at time and one-half of the base pay rate for top step Sergeant and shall be designated as OTS overtime.

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For overtime compensation to apply, the event must deviate from normal Lieutenant duties and be an OT grant funded activity which is fully reimbursable through the OTS grant to the City. In no event will a Lieutenant perform more than 24 hours of work per month under this provision.

For employees to be eligible to participate in OTS grant funded events on overtime, the event must first be offered to all eligible personnel of the rank of Sergeant and Officer. When it is determined by the Police Chief or designee that there is inadequate staffing to accomplish the event, the overtime can at that point be required of Lieutenants at the Police Chief's discretion. In no way will this overtime agreement be used to supplant overtime opportunities for staff of the rank of Sergeant or Officer. The City makes no overtime guarantee for Lieutenants assigned to an applicable event, as flexible staffing is the preferred method of staffing events whenever practical. A member of the rank of Sergeant or Officer may replace a Lieutenant at any time up to the start of the event.

Dated: 1/17/2024

For the City of Newark:

David Benoun, City Manager

For the Newark Police Management Association:

Jonathan Arguello, President

CITY OF NEWARK
Salary Schedule Effective 7/11/2025

	Step 1 Minimum			Step 2			Step 3			Step 4			Step 5 Maximum		
Classification	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**
Accountant	54.64	4,371.20	113,651.20	57.38	4,590.40	119,350.40	60.25	4,820.00	125,320.00	63.25	5,060.00	131,560.00	66.42	5,313.60	138,153.60
Accounting Assistant I	38.05	3,044.00	79,144.00	39.96	3,196.80	83,116.80	41.95	3,356.00	87,256.00	44.05	3,524.00	91,624.00	46.26	3,700.80	96,220.80
Accounting Assistant II	41.84	3,347.20	87,027.20	43.93	3,514.40	91,374.40	46.12	3,689.60	95,929.60	48.43	3,874.40	100,734.40	50.86	4,068.80	105,788.80
Accounting Technician I	44.27	3,541.60	92,081.60	46.49	3,719.20	96,699.20	48.81	3,904.80	101,524.80	51.25	4,100.00	106,600.00	53.81	4,304.80	111,924.80
Accounting Technician II	48.70	3,896.00	101,296.00	51.14	4,091.20	106,371.20	53.70	4,296.00	111,696.00	56.38	4,510.40	117,270.40	59.20	4,736.00	123,136.00
Administrative Assistant	44.15	3,532.00	91,832.00	46.35	3,708.00	96,408.00	48.67	3,893.60	101,233.60	51.11	4,088.80	106,308.80	53.66	4,292.80	111,612.80
Administrative Support Specialist I	34.48	2,758.40	71,718.40	36.20	2,896.00	75,296.00	38.01	3,040.80	79,060.80	39.92	3,193.60	83,033.60	41.90	3,352.00	87,152.00
Administrative Support Specialist II	37.63	3,010.40	78,270.40	39.51	3,160.80	82,180.80	41.49	3,319.20	86,299.20	43.56	3,484.80	90,604.80	45.74	3,659.20	95,139.20
Animal Control Officer	42.90	3,432.00	89,232.00	45.05	3,604.00	93,704.00	47.30	3,784.00	98,384.00	49.67	3,973.60	103,313.60	52.15	4,172.00	108,472.00
Assistant City Manager	126.92	10,153.60	263,993.60	Range 26									152.31	12,184.80	316,804.80
Assistant Engineer-Civil	57.38	4,590.40	119,350.40	60.25	4,820.00	125,320.00	63.26	5,060.80	131,580.80	66.41	5,312.80	138,132.80	69.74	5,579.20	145,059.20
Assistant Maintenance Superintendent	70.65	5,652.00	146,952.00	Range 14									84.78	6,782.40	176,342.40
Assistant Planner	51.64	4,131.20	107,411.20	54.22	4,337.60	112,777.60	56.93	4,554.40	118,414.40	59.77	4,781.60	124,321.60	62.76	5,020.80	130,540.80
Assistant to the City Manager	67.29	5,383.20	139,963.20	Range 13									80.75	6,460.00	167,960.00
Associate Civil Engineer	66.44	5,315.20	138,195.20	69.75	5,580.00	145,080.00	73.24	5,859.20	152,339.20	76.90	6,152.00	159,952.00	80.75	6,460.00	167,960.00
Associate Planner	59.10	4,728.00	122,928.00	62.07	4,965.60	129,105.60	65.17	5,213.60	135,553.60	68.42	5,473.60	142,313.60	71.84	5,747.20	149,427.20
Building Inspector I	56.07	4,485.60	116,625.60	58.87	4,709.60	122,449.60	61.82	4,945.60	128,585.60	64.91	5,192.80	135,012.80	68.15	5,452.00	141,752.00
Building Inspector II	58.87	4,709.60	122,449.60	61.82	4,945.60	128,585.60	64.91	5,192.80	135,012.80	68.15	5,452.00	141,752.00	71.56	5,724.80	148,844.80
Building Maintenance Mechanic I	42.01	3,360.80	87,380.80	44.13	3,530.40	91,790.40	46.32	3,705.60	96,345.60	48.65	3,892.00	101,192.00	51.08	4,086.40	106,246.40
Building Maintenance Mechanic II	46.28	3,702.40	96,262.40	48.59	3,887.20	101,067.20	51.03	4,082.40	106,142.40	53.59	4,287.20	111,467.20	56.25	4,500.00	117,000.00
Chief Building Official	96.75	7,740.00	201,240.00	Range 20									117.60	9,408.00	244,608.00
Chief Information Officer/Information Technology Director	115.12	9,209.60	239,449.60	Range 24									138.13	11,050.40	287,310.40
Child Care Instructor	28.15	2,252.00	58,552.00	29.58	2,366.40	61,526.40	31.06	2,484.80	64,604.80	32.61	2,608.80	67,828.80	34.27	2,741.60	71,281.60
City Clerk	81.80	6,544.00	170,144.00	Range 17									98.14	7,851.20	204,131.20
City Engineer	99.44	7,955.20	206,835.20	Range 21									119.33	9,546.40	248,206.40
City Manager													175.45	14,036.00	364,936.00
Communications and Public Engagement Manager	77.91	6,232.80	162,052.80	Range 16									93.49	7,479.20	194,459.20
Community Development Director	115.12	9,209.60	239,449.60	Range 24									138.13	11,050.40	287,310.40
Community Engagement Manager	70.65	5,652.00	146,952.00	Range 14									84.78	6,782.40	176,342.40
Community Preservation Manager	77.91	6,232.80	162,052.80	Range 16									93.49	7,479.20	194,459.20
Community Preservation Specialist	46.75	3,740.00	97,240.00	49.09	3,927.20	102,107.20	51.54	4,123.20	107,203.20	54.12	4,329.60	112,569.60	56.83	4,546.40	118,206.40
Community Service Officer	43.39	3,471.20	90,251.20	45.55	3,644.00	94,744.00	47.83	3,826.40	99,486.40	50.22	4,017.60	104,457.60	52.74	4,219.20	109,699.20
Crime Analyst	57.38	4,590.40	119,350.40	60.25	4,820.00	125,320.00	63.26	5,060.80	131,580.80	66.41	5,312.80	138,132.80	69.74	5,579.20	145,059.20
Deputy Community Development Director	96.75	7,740.00	201,240.00	Range 20									117.60	9,408.00	244,608.00
Deputy Economic Development Director	96.75	7,740.00	201,240.00	Range 20									117.60	9,408.00	244,608.00
Deputy Finance Director	96.75	7,740.00	201,240.00	Range 20									117.60	9,408.00	244,608.00
Engineering Technician I	48.39	3,871.20	100,651.20	50.81	4,064.80	105,684.80	53.35	4,268.00	110,968.00	56.01	4,480.80	116,500.80	58.82	4,705.60	122,345.60
Engineering Technician II	51.82	4,145.60	107,785.60	54.19	4,335.20	112,715.20	56.68	4,534.40	117,894.40	59.29	4,743.20	123,323.20	62.04	4,963.20	129,043.20
Environmental Services Manager	77.91	6,232.80	162,052.80	Range 16									93.49	7,479.20	194,459.20
Equipment Mechanic I	43.20	3,456.00	89,856.00	45.34	3,627.20	94,307.20	47.63	3,810.40	99,070.40	50.00	4,000.00	104,000.00	52.51	4,200.80	109,220.80
Equipment Mechanic II	47.56	3,804.80	98,924.80	49.93	3,994.40	103,854.40	52.44	4,195.20	109,075.20	55.06	4,404.80	114,524.80	57.79	4,623.20	120,203.20
Executive Assistant	49.07	3,925.60	102,065.60	51.52	4,121.60	107,161.60	54.10	4,328.00	112,528.00	56.80	4,544.00	118,144.00	59.64	4,771.20	124,051.20
Facilities Supervisor	63.84	5,107.20	132,787.20	67.03	5,362.40	139,422.40	70.39	5,631.20	146,411.20	73.90	5,912.00	153,712.00	77.59	6,207.20	161,387.20
Finance Director	115.12	9,209.60	239,449.60	Range 24									138.13	11,050.40	287,310.40
General Laborer	31.40	2,512.00	65,312.00	32.98	2,638.40	68,598.40	34.63	2,770.40	72,030.40	36.37	2,909.60	75,649.60	38.18	3,054.40	79,414.40
Housing Policies and Programs Manager	81.80	6,544.00	170,144.00	Range 17									98.14	7,851.20	204,131.20
Human Resources Director	115.12	9,209.60	239,449.60	Range 24									138.13	11,050.40	287,310.40
Human Resources Technician	45.08	3,606.40	93,766.40	47.34	3,787.20	98,467.20	49.70	3,976.00	103,376.00	52.19	4,175.20	108,555.20	54.80	4,384.00	113,984.00
Information Technology Analyst	60.27	4,821.60	125,361.60	63.27	5,061.60	131,601.60	66.45	5,316.00	138,216.00	69.76	5,580.80	145,100.80	73.25	5,860.00	152,360.00

CITY OF NEWARK
Salary Schedule Effective 7/11/2025

	Step 1 Minimum			Step 2			Step 3			Step 4			Step 5 Maximum		
Classification	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**	**Hourly**	**Biweekly**	**Annual**
Information Technology Technician I	44.17	3,533.60	91,873.60	46.36	3,708.80	96,428.80	48.67	3,893.60	101,233.60	51.12	4,089.60	106,329.60	53.67	4,293.60	111,633.60
Information Technology Technician II	49.47	3,957.60	102,897.60	51.95	4,156.00	108,056.00	54.53	4,362.40	113,422.40	57.25	4,580.00	119,080.00	60.13	4,810.40	125,070.40
Junior Engineer-Civil	49.57	3,965.60	103,105.60	52.05	4,164.00	108,264.00	54.65	4,372.00	113,672.00	57.39	4,591.20	119,371.20	60.26	4,820.80	125,340.80
Landscape & Parks Maintenance Worker I	39.25	3,140.00	81,640.00	41.20	3,296.00	85,696.00	43.27	3,461.60	90,001.60	45.43	3,634.40	94,494.40	47.72	3,817.60	99,257.60
Landscape & Parks Maintenance Worker II	43.22	3,457.60	89,897.60	45.39	3,631.20	94,411.20	47.65	3,812.00	99,112.00	50.03	4,002.40	104,062.40	52.53	4,202.40	109,262.40
Landscape Inspector	40.33	3,226.40	83,886.40	42.34	3,387.20	88,067.20	44.46	3,556.80	92,476.80	46.68	3,734.40	97,094.40	49.00	3,920.00	101,920.00
Lead Childcare Instructor	32.40	2,592.00	67,392.00	34.01	2,720.80	70,740.80	35.73	2,858.40	74,318.40	37.52	3,001.60	78,041.60	39.42	3,153.60	81,993.60
Maintenance Superintendent	85.90	6,872.00	178,672.00	Range 18									103.07	8,245.60	214,385.60
Maintenance Supervisor	63.84	5,107.20	132,787.20	67.03	5,362.40	139,422.40	70.39	5,631.20	146,411.20	73.90	5,912.00	153,712.00	77.59	6,207.20	161,387.20
Management Analyst I	51.64	4,131.20	107,411.20	54.23	4,338.40	112,798.40	56.93	4,554.40	118,414.40	59.78	4,782.40	124,342.40	62.76	5,020.80	130,540.80
Management Analyst II	57.38	4,590.40	119,350.40	60.25	4,820.00	125,320.00	63.26	5,060.80	131,580.80	66.42	5,313.60	138,153.60	69.74	5,579.20	145,059.20
Permit Technician	43.88	3,510.40	91,270.40	46.07	3,685.60	95,825.60	48.37	3,869.60	100,609.60	50.79	4,063.20	105,643.20	53.33	4,266.40	110,926.40
Police Captain	107.44	8,595.20	223,475.20	Range 22 - CAP									128.94	10,315.20	268,195.20
Police Chief	124.39	9,951.00	258,726.00	Range 26-CHIEF									149.27	11,941.20	310,471.20
Police Lieutenant	92.78	7,422.40	192,982.40	Range 19- LT									111.33	8,906.40	231,566.40
Police Officer	63.11	5,048.80	131,268.80	66.27	5,301.60	137,841.60	69.58	5,566.40	144,726.40	73.06	5,844.80	151,964.80	76.71	6,136.80	159,556.80
Police Records Supervisor	48.39	3,871.20	100,651.20	50.80	4,064.00	105,664.00	53.34	4,267.20	110,947.20	56.01	4,480.80	116,500.80	58.82	4,705.60	122,345.60
Police Sergeant	76.54	6,123.20	159,203.20	80.37	6,429.60	167,169.60	84.38	6,750.40	175,510.40	88.60	7,088.00	184,288.00	93.03	7,442.40	193,502.40
Police Support Services Manager	81.80	6,544.00	170,144.00	Range 17									98.14	7,851.20	204,131.20
Principal Civil Engineer	81.80	6,544.00	170,144.00	Range 17									98.14	7,851.20	204,131.20
Principal Planner	81.80	6,544.00	170,144.00	Range 17									98.14	7,851.20	204,131.20
Property and Evidence Technician	41.85	3,348.00	87,048.00	43.94	3,515.20	91,395.20	46.13	3,690.40	95,950.40	48.45	3,876.00	100,776.00	50.87	4,069.60	105,809.60
Public Safety Clerk	40.83	3,266.40	84,926.40	42.87	3,429.60	89,169.60	45.01	3,600.80	93,620.80	47.26	3,780.80	98,300.80	49.63	3,970.40	103,230.40
Public Safety Dispatch Supervisor	57.90	4,632.00	120,432.00	60.79	4,863.20	126,443.20	63.83	5,106.40	132,766.40	67.01	5,360.80	139,380.80	70.37	5,629.60	146,369.60
Public Safety Dispatcher	50.09	4,007.20	104,187.20	52.60	4,208.00	109,408.00	55.22	4,417.60	114,857.60	57.98	4,638.40	120,598.40	60.88	4,870.40	126,630.40
Public Works Director	115.12	9,209.60	239,449.60	Range 24									138.13	11,050.40	287,310.40
Public Works Inspector	58.88	4,710.40	122,470.40	61.83	4,946.40	128,606.40	64.92	5,193.60	135,033.60	68.16	5,452.80	141,772.80	71.57	5,725.60	148,865.60
Recreation and Community Services Director	115.12	9,209.60	239,449.60	Range 24									138.13	11,050.40	287,310.40
Recreation and Community Services Supervisor I	57.39	4,591.20	119,371.20	60.26	4,820.80	125,340.80	63.26	5,060.80	131,580.80	66.44	5,315.20	138,195.20	69.75	5,580.00	145,080.00
Recreation and Community Services Supervisor II	63.27	5,061.60	131,601.60	66.45	5,316.00	138,216.00	69.76	5,580.80	145,100.80	73.25	5,860.00	152,360.00	76.91	6,152.80	159,972.80
Recreation Coordinator	45.18	3,614.40	93,974.40	47.43	3,794.40	98,654.40	49.81	3,984.80	103,604.80	52.30	4,184.00	108,784.00	54.91	4,392.80	114,212.80
Red Light Photo Enforcement Technician	41.63	3,330.40	86,590.40	43.71	3,496.80	90,916.80	45.90	3,672.00	95,472.00	48.19	3,855.20	100,235.20	50.61	4,048.80	105,268.80
Senior Accountant	63.27	5,061.60	131,601.60	66.45	5,316.00	138,216.00	69.76	5,580.80	145,100.80	73.25	5,860.00	152,360.00	76.91	6,152.80	159,972.80
Senior Administrative Support Specialist	41.40	3,312.00	86,112.00	43.47	3,477.60	90,417.60	45.65	3,652.00	94,952.00	47.93	3,834.40	99,694.40	50.33	4,026.40	104,686.40
Senior Building Inspector	61.52	4,921.60	127,961.60	64.59	5,167.20	134,347.20	67.82	5,425.60	141,065.60	71.21	5,696.80	148,116.80	74.78	5,982.40	155,542.40
Senior Building Maintenance Mechanic	50.97	4,077.60	106,017.60	53.52	4,281.60	111,321.60	56.18	4,494.40	116,854.40	59.01	4,720.80	122,740.80	61.94	4,955.20	128,835.20
Senior Civil Engineer	78.40	6,272.00	163,072.00	82.32	6,585.60	171,225.60	86.44	6,915.20	179,795.20	90.77	7,261.60	188,801.60	95.28	7,622.40	198,182.40
Senior Equipment Mechanic	52.36	4,188.80	108,908.80	54.97	4,397.60	114,337.60	57.72	4,617.60	120,057.60	60.62	4,849.60	126,089.60	63.65	5,092.00	132,392.00
Senior Information Technology Analyst	66.44	5,315.20	138,195.20	69.75	5,580.00	145,080.00	73.24	5,859.20	152,339.20	76.90	6,152.00	159,952.00	80.75	6,460.00	167,960.00
Senior Landscape & Parks Maintenance Worker	47.59	3,807.20	98,987.20	49.97	3,997.60	103,937.60	52.48	4,198.40	109,158.40	55.09	4,407.20	114,587.20	57.84	4,627.20	120,307.20
Senior Landscape Inspector	47.59	3,807.20	98,987.20	49.97	3,997.60	103,937.60	52.48	4,198.40	109,158.40	55.09	4,407.20	114,587.20	57.84	4,627.20	120,307.20
Senior Management Analyst	66.02	5,281.60	137,321.60	69.33	5,546.40	144,206.40	72.79	5,823.20	151,403.20	76.43	6,114.40	158,974.40	80.25	6,420.00	166,920.00
Senior Planner	68.42	5,473.60	142,313.60	71.84	5,747.20	149,427.20	75.43	6,034.40	156,894.40	79.21	6,336.80	164,756.80	83.17	6,653.60	172,993.60
Senior Street Maintenance Worker	47.60	3,808.00	99,008.00	49.98	3,998.40	103,958.40	52.48	4,198.40	109,158.40	55.10	4,408.00	114,608.00	57.86	4,628.80	120,348.80
Strategic Initiatives Manager	85.90	6,872.00	178,672.00	Range 18									103.07	8,245.60	214,385.60
Street Maintenance Worker I	39.25	3,140.00	81,640.00	41.20	3,296.00	85,696.00	43.27	3,461.60	90,001.60	45.43	3,634.40	94,494.40	47.72	3,817.60	99,257.60
Street Maintenance Worker II	43.22	3,457.60	89,897.60	45.36	3,628.80	94,348.80	47.65	3,812.00	99,112.00	50.03	4,002.40	104,062.40	52.53	4,202.40	109,262.40
Urban Forest Supervisor	55.75	4,460.00	115,960.00	58.54	4,683.20	121,763.20	61.47	4,917.60	127,857.60	64.54	5,163.20	134,243.20	67.78	5,422.40	140,982.40
Vehicle Abatement Officer	34.29	2,743.20	71,323.20	35.99	2,879.20	74,859.20	37.80	3,024.00	78,624.00	39.70	3,176.00	82,576.00	41.67	3,333.60	86,673.60

STAFF REPORT

Item D. 4.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Brittney Frye, Human Resources Director
SUBJECT	Adopt a resolution approving a Side Letter of Agreement with the Newark Police Association (NPA) to align the reinstatement provision in the July 1, 2025 – June 30, 2028 Memorandum of Understanding (MOU) with the City's Personnel Rules and Regulations

SUMMARY AND RECOMMENDATION

The current reinstatement provision in the Newark Police Association (NPA) Memorandum of Understanding (MOU) allows a one-year reinstatement window for full-time sworn personnel who separate from the City and return to service in the same classification. This differs from the City's Personnel Rules and Regulations, which allow a two-year reinstatement period for reinstatement eligibility. To ensure consistency and equity in the administration of reinstatement provisions, staff recommends that the City Council approve a resolution authorizing a Side Letter of Agreement with the Newark Police Association to revise the MOU language to reflect a two-year reinstatement timeframe for all NPA classifications.

BACKGROUND

Reinstatement refers to the reemployment of a former City employee. Under the City's Personnel Rules and Regulations, an employee who resigned in good standing or separated due to a reduction in force may be eligible for reinstatement to their former position, if vacant, or to another vacant position within a classification where they previously held permanent status. Such reinstatement requires the approval of the Human Resources Director.

Employees reinstated under this provision are entitled to resume vacation accrual at the rate corresponding to their total years of service as of the date of separation, restoration of any unused sick leave balance on record at the time of separation, placement at the same salary step held at the time of separation, and reinstatement of cumulative service credit up to the date of separation. Time spent in unpaid status does not count toward cumulative service credit. In most circumstances, any employee reemployed more than two years after separation shall have no vested interest in or be entitled to any benefits accrued during any previous employment with the City.

Currently, Section III(I) of the Newark Police Association (NPA) Memorandum of Understanding (MOU) defines reinstatement more narrowly than the City's Personnel Rules as a return to service within one year for sworn personnel who have successfully completed probation and voluntarily separated from employment. While the NPA MOU affords the reinstated employees the same rights and benefits as outlined in the Personnel Rules, it establishes a shorter reinstatement window.

This discrepancy between the MOU and Personnel Rules could lead to inconsistencies in application and interpretation across employee groups. As such, the City and NPA have worked together to align the MOU language with the City's broader policy to promote consistency, fairness, and clarity in the reinstatement practices.

DISCUSSION/ANALYSIS

To promote consistent administration of personnel rules and ensure fair and equitable treatment of employees, the Human Resources Department met with the NPA to discuss alignment of the MOU language with the City’s broader reinstatement definition.

The proposed Side Letter of Agreement formally revises Section III(I) of the NPA MOU to state that employees who return within two years of separation, rather than one, shall be considered reinstated, provided all other applicable requirements are met.

The revised language brings the MOU into alignment with existing City rules and practice and ensures consistent treatment of reinstatement rights across employee groups. This revision does not alter other negotiated rights or benefits in the current MOU.

FISCAL IMPACT

There is no direct fiscal impact associated with this action.

REVIEW AND APPROVAL

Prepared by - Brittney Frye, Human Resources Director
Reviewed by - Lenka Hovorka, Assistant City Manager
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Resolution NPA Reinstatement
Side Letter NPA Reinstatement
NPA Memorandum of Understanding
Personnel Rules and Regulations

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK APPROVING A SIDE LETTER OF AGREEMENT BETWEEN THE CITY OF NEWARK AND THE NEWARK POLICE ASSOCIATION

WHEREAS, the City of Newark and the Newark Police Association (NPA) entered into a Memorandum of Understanding (MOU) effective July 1, 2025, through June 30, 2028, governing wages, hours, and other terms and conditions of employment for employees represented by the NPA; and

WHEREAS, the City and NPA wish to promote consistency between the MOU and the City's Personnel Rules and Regulations by aligning the definition of "reinstatement" across all employee groups; and

WHEREAS, the current MOU defines reinstatement for NPA members as returning to active service in the same classification within one year of separation, while the City's Personnel Rules and Regulations provide a two-year reinstatement period; and

WHEREAS, the City and the NPA have agreed to amend Subsection III(I) of the MOU to reflect the two-year reinstatement period to ensure clarity and uniform application of reinstatement provisions; and

WHEREAS, this change has been documented in a Side Letter of Agreement executed by the City Manager and the NPA President and will be effective upon City Council approval;

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Newark that the Side Letter of Agreement between the City of Newark and the Newark Police Association regarding the updated reinstatement provision is hereby approved.

BE IT FURTHER RESOLVED that the Public Works Director is hereby authorized to renew each aforementioned Contractual Services Agreement for up to two additional one-year terms upon mutual consent of the City and the selected consultant, subject to available funding.

BE IT FURTHER RESOLVED that the City Manager is authorized to implement the terms of the Side Letter and take such additional actions as necessary to effectuate the intent of this Resolution.

NEWARK california

City of Newark

Human Resources Department
37101 Newark Boulevard
Newark, CA 94560

To: Newark Police Association (NPA) Executive Board

From: Brittney Frye, Human Resources Director
David Benoun, City Manager

Subject: Side Letter of Agreement Between the City of Newark and the Newark Police Association Regarding Reinstatement Provisions

Date: July 7, 2025

This side letter of agreement is entered into by and between the City of Newark ("City") and the Newark Police Association ("NPA") to modify and clarify language within the Memorandum of Understanding ("MOU") covering the term July 1, 2025, through June 30, 2028. The purpose of this Side Letter is to promote consistency with the City's Personnel Rules and Regulations and to align the definition of reinstatement across all employee groups.

Background
Subsection III(I) of the MOU defines "Reinstatement" as follows:

> "Reinstatement." In addition to reinstatement status as explained in the Personnel Rules and Regulations, the term "reinstatement" for purposes of this MOU shall apply to full-time sworn personnel who separate from the City of Newark after successfully completing their probationary period, then return to active service in the same classification within one year of their separation date."

To ensure uniformity in the application of reinstatement provisions across the City's workforce, the City and NPA agree to amend the MOU to reflect the two-year reinstatement timeframe set forth in the City's Personnel Rules and Regulations and to remove the term "sworn" for uniform application to all NPA classifications.

Agreement
The parties agree that Subsection III(I) of the MOU shall be amended to read as follows:

> "Reinstatement." In addition to reinstatement status as explained in the Personnel Rules and Regulations, the term "reinstatement" for purposes of this MOU shall apply to full-time personnel who separate from the City of Newark after successfully completing their probationary period, then return to active service in the same classification within two (2) years of their separation date."

This side letter will become effective upon approval by the City Council and shall remain in effect for the duration of the MOU.

Dated: _____

For the City of Newark:

_____
David J. Benoun, City Manager

For the Newark Police Association:

_____
Steven Losier, NPA President

Memorandum of Understanding

Between City

of Newark and

Newark Police Association

July 1, 2025

Through

June 30, 2028

Adopted
June 26, 2025

Resolution No.11758

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ATTACHMENTS

A	Regular Full-Time / Part-Time Classifications
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MEMORANDUM OF UNDERSTANDING
BETWEEN
CITY OF NEWARK AND NEWARK POLICE ASSOCIATION

I. TERM

This agreement shall be in effect from July 1, 2025 through June 30, 2028.

II. REPRESENTATION

The City recognizes the Newark Police Association (NPA), hereinafter referred to as the "Association," as the majority representative for regular full-time employees in the sworn classifications and full-time and regular part-time non-sworn classifications listed in Attachment A, pursuant to Employer-Employee Relations Resolution No. 1833.

III. DEFINITIONS

For purposes of this Memorandum of Understanding, unless the context otherwise requires, the following definitions in this Agreement shall apply:

A. “Base Hourly Rate.” The term “base hourly rate” shall mean the hourly compensation rate for regular full-time and part-time classifications, excluding benefits.

B. "Employees". The term "employees" shall mean those regular full-time and regular part-time employees of the City of Newark occupying classifications represented by the Newark Police Association.

C. "Employer". The term "employer" shall mean the City of Newark.

D. "Employee Contributions." The term "employee contributions” shall mean those contributions to the PERS retirement system which are deducted from the salary of employees and credited to individual employees' accounts.

E. "Flexible Benefit Plan." The term "Flexible Benefit Plan" means a Plan established by the City of Newark pursuant to Section 125 of the Internal Revenue Code to allow employees to pay for medical and dental premiums as a before-tax conversion of salary.

F. "Non-sworn." The term "non-sworn" refers to those personnel occupying the classifications of Animal Control Officer, Community Service Officer, Public Safety Clerk, Police Record Supervisor, Public Safety Dispatcher, Public Safety Dispatch Supervisor, Vehicle Abatement

Officer, Property and Evidence Technician, and Red Light Photo Enforcement Technician.

G. "Sworn". The term "sworn" refers to personnel occupying classifications of Police Sergeant or Police Officer.

H. “Reinstatement.” In addition to reinstatement status as explained in the Personnel Rules and Regulations, the term “reinstatement” for purposes of this MOU shall apply to full-time sworn personnel who separate from the City of Newark after successfully completing their probationary period, then return to active service in the same classification within one year of their separation date.

I. "Retirement System." The term "retirement system" shall mean the PERS retirement system as made applicable to the City of Newark under the provisions of the Public Employees' Retirement Law (California Government Code Section 20000 et seq.).

J. “Regular Part-Time Employees.” The term “regular part-time employees” shall mean those employees of the City of Newark who are scheduled to work less than 40 hours per week but at least 20 hours per week on a year-round continuous basis occupying positions specifically authorized as “regular part-time”.

K. "Wages". The term "wages" shall mean the compensation paid to employees covered by this Agreement.

L. “Alternative Work Schedule” shall mean any schedule that differs from the five day, eight hours per day, 40-hour per week schedule.

M. “Four-Ten Work Schedule” shall mean a four-day, ten hours per day, 40 hours per week work schedule in a seven day work schedule.

N. “3/12 ½ Work Schedule” shall mean a work schedule for full-time Public Safety Dispatchers, and Public Safety Dispatch Supervisors, that equates to 40- hours per week in a 28-day work cycle. Typically, a Public Safety Dispatcher / Public Safety Dispatch Supervisor assigned to this work schedule will work three 12.5 hour days per week and one day of 10 hours within the City-designated 28-day work cycle.

O. “160-Hour Work Schedule” shall mean a work schedule for sworn personnel that equates to 40-hours per week in a 28-day work cycle. Typically, a sworn employee assigned to this work schedule will work three 12.5 hour days per week and one day of 10 hours within the City-designated 28-day work cycle.

P. “28-Day Work Cycle” for sworn personnel means the Fair Labor

Standards Act work cycle of 28-continuous calendar days as established by the Payroll Office.

Q. "A Shift" means the scheduled work hours of 6:00 a.m. to 6:30 p.m.

R. "B Shift" means the scheduled work hours of 6:00 p.m. to 6:30 a.m.

S. "C Shift" means the scheduled work hours of 1:30 p.m. to 2:00 a.m.

IV. LABOR MARKET

The following agencies comprise the designated labor market for the purpose of total compensation survey comparisons: Foster City, Fremont, Hayward, Livermore, Menlo Park, Milpitas, Pleasanton, Redwood City, San Leandro, and Union City.

V. SALARY INCREASE

A. Total Compensation Data

For discussion purposes only, either party may prepare a total compensation survey that includes the following data points within the established labor market. All data gathered shall be based on currently available wages and benefits for new PEPRA employees:

1. Top step base salary.
2. That portion of the employee's PERS contribution that is paid by the employer (employee contributions to the employer's PERS costs shall be reflected as a negative number).
3. The amount of the highest premium the employer will pay for family coverage of medical, dental, and vision premiums.
4. The maximum amount paid by the employer for educational achievements or POST certificates.
5. The maximum number of holiday hours or holiday pay provided by the employer.

B. General Salary Increase

The salary ranges for all classifications represented by the Association shall be increased as follows:

1. Effective July 1, 2025, the salary increase shall be four percent (4%).
2. Effective July 1, 2026, the salary increase shall be three and one-half percent (3.5%).
3. Effective July 1, 2027, the salary increase shall be three and one-

half percent (3.5%).

C. One-time Supplemental First Responder Base Wage Adjustments

On a one-time basis and during the term of this Agreement these identified classifications (Police Officer, Police Sergeant, Public Safety Dispatcher and Public Safety Dispatch Supervisor) shall receive the following supplemental increases in addition to the increase identified in the General Salary Increase section above:

1. Effective July 1, 2025, the supplemental salary increase shall be three percent (3.0%).
2. Effective July 1, 2026, salary increase shall be one and one-half percent (1.5%).
3. Effective July 1, 2027, salary increase shall be one and one-half percent (1.5%).

VI. HEALTH AND WELFARE PROGRAM

A. The contribution by the City toward monthly premiums for health and welfare programs of employees represented by the Association shall be the Minimum Employer Contribution as determined by CalPERS for employers under the Public Employees' Medical and Hospital Care Act (PEMHCA). In the event that an employee elects to waive participation in the Program, that amount will be paid to the employee. The employee shall execute a waiver in the event the employee elects not to participate in the PERS Health Benefit Program or cancel participation after enrollment.

B. The City agrees to maintain a cafeteria plan under Section 125 of the Internal Revenue Code (IRC). The cafeteria plan allows employees to voluntarily reduce salary in an amount equal to the actual premiums for the PERS Health Plan, City-administered dental insurance and/or vision insurance as a before-tax conversion of salary. In the event of changes in law affecting the Flexible Benefit Plan, the City agrees to meet and confer with the Association regarding the impact of such changes.

C. Effective for the 2025 plan year, the City shall contribute to eligible NPA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $932
Employee + 1 Dependent: $1,862
Employee + 2 or more Dependents: $2,460

For Regular Part-Time Employees working 20-25 hours:
Employee Only: $466-$582

Employee + 1 Dependent: $931-$1,164
Employee+ 2 or more Dependents: $1,230-$1,537

Effective for the 2026 plan year, the City shall contribute to eligible NPA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,026
Employee + 1 Dependent: $2,049
Employee + 2 or more Dependents: $2,706

For Regular Part-Time Employees working 20-25 hours:
Employee Only: $513-$641
Employee + 1 Dependent: $1,025-$1,281
Employee+ 2 or more Dependents: $1,353-$1,691

Effective for the 2027 plan year, the City shall contribute to eligible NPA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,077
Employee + 1 Dependent: $2,151
Employee + 2 or more Dependents: $2,842

For Regular Part-Time Employees working 20-25 hours:
Employee Only: $539-$673
Employee + 1 Dependent: $1,076-$1,344
Employee+ 2 or more Dependents: $1,421-$1,776

Effective for the 2028 plan year, the City shall contribute to eligible NPA employee's cafeteria plan, an amount equal to the following, minus the Minimum Employer Contribution.

Employee Only: $1,131
Employee + 1 Dependent: $2,259
Employee + 2 or more Dependents: $2,985

For Regular Part-Time Employees working 20-25 hours:
Employee Only: $566-$707
Employee + 1 Dependent: $1,130-$1,412
Employee+ 2 or more Dependents: $1,493-$1,866

D. Cash Back / Cash-in-Lieu of Benefits:

1. Cash-In-Lieu: Employees electing not to participate in the City's cafeteria plan and waiving all medical, dental, and vision benefits, will receive $450 per month "cash-in-lieu" of benefits, which includes the PEMHCA minimum per section A above.

2. Cafeteria Plan Cash-Back: Employees who participate in the cafeteria plan but who do not utilize the full benefit allowance, may receive up to $450 per month of any money not used for the purchase of employer offered benefits.

3. Any "cash-in-lieu" and cafeteria plan "cash back" will be paid to the employee in taxable compensation.

4. For Regular Part-Time Employees working 30-35 hours the "cash-in-lieu" and "cash back" amount will be $338-394. For Regular Part-Time Employees working 20-25 hours the "cash-in-lieu" and "cash back" amount will be $225-281.

E. City and Association agree that in the event of any additional federal or state mandates requiring employer contributions for health care coverage, the City and Association shall reopen the memorandum of understanding to meet and confer on the issue of health care premiums and its impact on total compensation.

F. The City shall provide to each bargaining unit member, at no cost to the bargaining unit member, a $50,000 life insurance policy.

G. Employees and their spouses or registered domestic partners and up to 2 children living in the same household, 18 years of age and under, may use the gym, exercise equipment and aquatics facilities (excluding classes and facility rentals) at the Silliman Community Activity and Family Aquatics Center free of charge.

VII. UNIFORM ALLOWANCE

A. Police Officer, Police Sergeant, Community Service Officer, Animal Control Officer, and Vehicle Abatement Officer

1. Upon appointment to the classification of Police Officer, Community Service Officer, Animal Control Officer, or Vehicle Abatement Officer, a full-time regular employee shall be reimbursed by the City for the purchase of City-approved uniform and equipment up to an amount equal to the maximum of the annual uniform allowance in effect on the date of appointment to Police Officer, Community Service Officer, Animal Control Officer, or Vehicle Abatement Officer. Reimbursement shall be made upon receipt of evidence of purchase.

2. Upon completion of 12 months of continuous active employment or

upon reinstatement, Police Officers and Police Sergeants shall receive a monthly uniform allowance of $100.

3. Upon completion of 12 months of continuous active employment or upon reinstatement, Community Service Officers, Animal Control Officers, and Vehicle Abatement Officers shall receive a monthly uniform allowance of $100.

4. If the employment of a Police Officer, Community Service Officer, Animal Control Officer, or Vehicle Abatement Officer is terminated before completion of the probationary period or 18 months of service, whichever is longer, uniforms and equipment purchased by the City through reimbursement pursuant to Provision VII.A.3.above shall be returned to the City.

B. Public Safety Dispatchers, Public Safety Dispatch Supervisors, Public Safety Clerks, Property and Evidence Technicians and Police Records Supervisors

1. Upon appointment to the classifications of Public Safety Dispatcher, Public Safety Dispatch Supervisor, Public Safety Clerk, Property and Evidence Technician, or Police Records Supervisor, a full-time regular employee shall be reimbursed by the City for the purchase of City-approved uniform shirts and pants up to an amount equal to the maximum of the annual uniform allowance in effect on the date of appointment to Public Safety Dispatcher, Public Safety Dispatch Supervisor, Public Safety Clerk, Property and Evidence Technician, or Police Records Supervisor. Reimbursement shall be made upon receipt of evidence of purchase.

2. Upon completion of 12 months of continuous active employment or upon reinstatement, Public Safety Dispatchers, Public Safety Dispatch Supervisor, Public Safety Clerks, Property and Evidence Technicians, and Police Records Supervisors shall receive a monthly uniform allowance of $45.

VIII. VACATION LEAVE

A. Beginning on the 90th day of employment, regular full-time sworn employees shall be eligible to earn vacation leave. Upon completion of said period of service, regular full-time sworn employees shall be credited with 22.5 hours of vacation leave and shall thereafter accrue vacation leave at the rates provided in Section C below for sworn employees.

B. Beginning on the 90th day of employment, regular full-time non-sworn employees shall be eligible to earn vacation leave. Upon completion of

said period of service, regular full-time non-sworn employees shall be credited with 20 hours of vacation leave, and shall thereafter accrue vacation leave at the rate provided in Section C below for non-sworn employees.

C. Vacation leave entitlement for regular full-time employees following completion of 90 days of continuous service is listed below.

1. Eligible sworn employees who have served less than five (5) years with the City shall earn vacation entitlement at the rate of 7.5 hours per month.

2. Eligible non-sworn employees who have served less than five (5) years with the City shall earn vacation entitlement at the rate of 6.67 hours per month.

3. Eligible sworn and non-sworn employees during their fifth year of employment, and thereafter, with the City of Newark shall earn vacation entitlement at the rate of ten (10) hours per month.

4. Eligible sworn and non-sworn employees during their tenth year of employment, and thereafter, with the City of Newark shall earn vacation entitlement at the rate of 13.34 hours per month.

5. Eligible sworn and non-sworn employees during their fifteenth year of employment, and thereafter, with the City of Newark shall earn vacation entitlement at the rate of 14.667 hours per month.

6. Eligible sworn and non-sworn employees during their twentieth year of employment, and thereafter, with the City of Newark shall earn vacation entitlement at the rate of 16.67 hours per month.

D. Regular full-time employees who separate from City service after 90 days of continuous service shall be paid for that part of their vacation accumulation that remains unused at the time of termination. Payment for unused vacation shall be made at the rate of pay in effect for such employees at the time of separation. Regular full-time employees who terminate from City service prior to completion of a 90 day employment period shall not be entitled to compensation for vacation leave, as none has been accrued.

E. Upon separation from the City, a regular full-time employee will receive prorated vacation credit if the employee is actively at work or on a leave with pay for at least fifteen (15) calendar days during a month to accrue credit for that month.

F. The Police Chief shall set the shift work schedules no later than October

1st in the calendar year of the bid for the following year's schedule. The NPA shall coordinate the bids for shift and the bids for vacation as soon as possible after the work schedules are set. Shift and vacation schedules must be completed and submitted to Police administration by November 15 preceding implementation of the new work schedules. Any bids not completed or submitted will be determined at the sole discretion of the Police Chief.

G. It is the mutual understanding and intent of both parties that the term "vacation" for the purpose of determining when the employee is away from work includes the employee's days off preceding and following their regularly assigned shift (e.g. If the employee works Friday through Sunday, then the employee is considered on vacation from the Monday-Thursday of the preceding week and from Monday-Thursday of the following week.) The City will not schedule a payback day or training day within this vacation period. This provision only applies to two vacation periods designated by the employee during the annual vacation selection process. Any member selecting a vacation consisting of three (3) or more consecutive workweeks will have the option to satisfy their payback day utilizing accrued paid time off to complete their work assignment for the FLSA work period. This provision does not affect the City's ability to ensure proper staffing in the event of an emergency. Emergency shall include but not be limited to the necessity of replacing employees absent from work because of unanticipated and unavoidable illness, injury or other good cause, including unplanned tactical operations. The Association and City agree that every attempt will be made for payback days to be scheduled to coincide with the employees' normal workweek. However, if that is not possible the City may assign the payback day as needed.

H. Regular part-time employees, upon completion of 90 days of continuous active service shall be eligible to accrue vacation leave hours each month as follows:

	20-25 Hour Work Schedule	30-35 Hour Work Schedule
Less than 5 years of service	3.33 – 4.16	5.00 – 5.83
During the 5th & following	5.00 – 6.25	7.50 – 8.75
During the 10th & following	6.67 – 8.33	10.00 – 11.67
During the 15th & following	7.33 – 9.16	11.00 – 12.83
During the 20th & following	8.33 – 10.41	12.50 – 14.58

Effective July 1, 2010, proration of RPT vacation leave will be based on actual hours worked or budgeted to work. For example, an RPT

employee with one year of City service who works 35 hours per week will receive 5.836 hours of vacation per month. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for proration.

An eligible employee must be at work or on a leave with pay for at least one half of the regularly scheduled work days in a month to accrue vacation leave credit for that month. (One-half the month for regular part-time employees shall not be based on hours worked, but rather the number of regularly authorized work days.)

Regular part-time employees who separate from City service after 90 days of continuous active service shall be paid for accrued but unused vacation leave at the time of termination. Payment for unused vacation shall be made at the rate of pay in effect for such employees at the time of separation. Regular part-time employees who terminate from City service prior to working 90 days of continuous active service shall not be entitled to compensation for vacation leave, as none has been accrued.

I. A regular full-time employee must be at work or on compensated leave for at least 80 hours during a month to accrue vacation credit for that month. It is understood by the City and Association that leave benefits will be accrued and used on an hourly basis. When an employee on an alternative work schedule is on paid leave, the employee must chargeaccrued leave balances for the number of hours required to cover the number of hours scheduled to work (e.g. 12.5 hours of leave, 10 hours of leave, or 9 hours of leave).

J. The maximum accumulation of vacation leave hours will be limited to two times the employee's annual accrual. The City Manager shall have the authority to allow an employee to exceed this maximum accumulation for 30 days.

K. Effective July 1, 2017, upon using one-half of the vacation time accrued during the 12-month period from July 1 through June 30, a regular full-time employee may request to receive pay for up to a total of sixty (60) hours per fiscal year of vacation, forty-five (45) to fifty-two and a half (52.5) hours for 30-35 hour employees, and thirty (30) to thirty-seven and a half (37.5) hours for 20-25 hour employees in hourly increments at the current hourly salary rate provided there is a minimum of one (1) week (40 hours) remaining in the employee's vacation bank after the conversion. Requests for vacation buy-back may be made up to two times per fiscal year in October and/or April for payment on December 15 and/or June 15.

By December 1 of each calendar year, eligible employees who want to cash out accrued vacation leave in the following calendar year shall

make an irrevocable election to cash out in the next calendar year, subject to the conditions set forth below:

- For regular full-time employees: The employee may cash out up to 80 hours of vacation.
- For regular 30-35 hour part-time employees: The employee may cash out up to 60-70 hours of vacation.
- For regular 20-25 hour part-time employees: The employee may cash out up to 40-50 hours of vacation.
- To be eligible to cash out, the employee must have used at least one-half of the vacation time accrued during the 12-month period preceding December.
- Employees must have the equivalent of one regular work week remaining in vacation accruals at the time of cash out.
- Employees must submit their Vacation Buy-Back Request Form to Payroll by December 1.
- This is an irrevocable election by the employee.

The City makes no representation as to the tax consequences of an employee cashing out accrued leave or the vacation buy-back program. It is the employee's sole responsibility to address the tax consequences of cashing out accrued leave or the vacation buy-back program.

IX. SICK LEAVE

A. Purpose

The purpose of sick leave is to allow regular full-time and regular part-time employees who are ill or injured to remain absent from work with pay, within the limitations of this section. Sick leave is granted to a full-time or part-time employee to recover from illness or injury so as to be physically able to return to work. Employees may also use sick leave to care for their sick children, siblings, parents, or spouse / domestic partner. Sick leave may be utilized for any leave covered under the Family Medical Leave Act (FMLA) and/or California Family Rights Act (CFRA).

B. Accrual

1. Regular full-time employees may accrue sick leave with pay at the rate eight hours per month for each calendar month of service. Regular full-time employees shall accumulate unused sick leave at the rate of eight (8) hours per calendar month to a total of not more than 960 hours.

2. Regular full-time employees who have served less than 90 days with the City shall receive no sick leave. Beginning on the 90th day of employment, the employee shall receive sick leave credit of 24 hours.

3. A full-time employee must be at work or on compensated leave for at least 80 hours during a calendar month to accrue sick leave, retirement, and/or any benefits or awards relating to or contingent upon completion of a specified period of employment or length of service. It is understood by City and Association that leave benefits will be accrued and used on an hourly basis. When an employee on an alternative work schedule is on paid leave, the employee must charge accrued leave balances for the number of hours required to cover the number of hours scheduled to work (e.g. 12.5 hours of leave, 10 hours of leave, or 9 hours of leave).

4. Regular part-time employees, beginning on the 90th day of employment, shall be eligible to accrue and use sick leave with pay at the following rates and to the following maximums:

Work Schedule	Monthly Accrual Rate	Maximum Accrual
20 - 25 hrs/week	4-5 hours	480-600 hours
30 - 35 hrs/week	6-7 hours	720-840 hours

Effective July 1, 2010, proration of RPT sick leave will be based on actual hours worked or budgeted to work. For example, an RPT employee who works 35 hours per week will receive 7 hours of sick leave per month. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for proration.

Regular part-time employees must be actively at work or on leave with pay for at least one half the regularly authorized work days in a month to accrue sick leave credits for that month. (One-half the month for regular part-time employees shall not be based on hours worked, but rather the number of regularly authorized workdays.)

Retirement Service Credit

Retirement service credit accounts have been established for each regular full-time and regular part-time employee in which that member may accrue retirement service credit toward early retirement under the Public Employees' Retirement System plan applicable to sworn and non-sworn employees. Retirement service credits cannot be used as sick leave as provided in this Agreement or the Personnel Rules and Regulations but

may be used only towards early retirement under the Public Employees' Retirement System. Sick leave credit accrued in excess of 960 hours for full-time employees, 720-840 hours for 30-35 hour part-time employees, and 480-600 hours for 20-25 hour part-time employees shall be placed in the individual's retirement service credit account. Accumulation of retirement service credit shall be unlimited.

Individuals with less than 960 hours, 720 hours, or 480 hours as applicable accumulation may designate a portion or all of their accumulation of sick leave credit after July 1, 1982 to be placed in the retirement service credit account. However, once placed in the retirement service credit account, it can be used only for retirement service credit and cannot be withdrawn from that account.

D. Administration of Sick Leave

1. Whenever possible, employees will make medical and/or dental appointments during off-duty time. When an eligible employee is unable to schedule a medical and/or dental appointment for treatment of an illness or injury during off-duty time, with the approval of the Department Head, the employee may charge time off for the medical and/or dental appointment to sick leave.

2. In order to receive compensation while absent on sick leave, the employee shall notify their immediate superior or other competent authority as soon as practicable, preferably prior to the time set for beginning their daily duties. The employee must submit an application for sick leave showing such information as required by the Police Chief. Such applications shall be factually correct. The Police Chief may make such investigations as they feel necessary and may require supplemental information from the employee.

3. A sworn employee may charge sick leave for the difference between workers' compensation temporary disability payments and their full salary, until such time as a medical examiner certifies that the employee's condition has become permanent and stationary and that the employee is permanently precluded from performing the substantial range of the job duties performed by the employee at the time of industrial injury.

4. Where non-sworn employees receive workers' compensation salary continuation benefits, and where sick leave is approved, the City shall pay the non-sworn employee their full salary excluding there from the employee's workers' compensation benefits. The non-sworn employee's sick leave entitlement shall be charged on a pro rata basis.

5. If an eligible employee uses sick leave any time in excess of two (2) continuous days, the Police Chief may require the employee to furnish a certificate from a licensed doctor of medicine, chiropractic medicine or ostheopathy or the employee's choice, who has examined the employee, so that the employee's condition and ability to return to work may be ascertained. In any case and at any time, the Police Chief may require submittal of periodic physician's reports concerning the employee's condition and ability to return to and/or continue work.

6. Whenever the Police Chief has reasonable cause to believe that an eligible employee's condition of health is affecting or could affect the employee's ability to work, the Police Chief may require the employee to submit to an examination by a licensed physician selected by the City. If the physician determines that the eligible employee should not be undertaking certain duties required by their position classification, the Police Chief may require the employee to use accrued sick leave until sufficiently recovered to return to work.

7. Absence for illness may not be charged to sick leave not already accumulated by the employee.

8. An eligible employee absent from duty due to illness or injury who has been performing outside employment authorized by the Police Chief shall refrain from working at the outside employment until they are fully recovered from the illness or injury, unless specific approval is obtained from the Police Chief, or designee, to continue outside employment.

X. PERSONAL LEAVE

Regular full-time employees (prorated for regular part-time employees) may convert a maximum of the equivalent of one (1) work day (e.g., 8, 10, or 12.5 hours, dependent upon regularly assigned schedule) of sick leave to personal leave during each fiscal year. For example, a regular part-time employee who is scheduled to work 35 hours per week and works 12 hour shifts may convert a maximum of 10.5 hours of sick leave to personal leave during the fiscal year.

Effective July 1, 2006, all non-sworn regular full-time employees represented by the Association shall be granted a maximum of two (2) hours of personal leave with pay each fiscal year. All non-sworn regular part-time employees represented by the Association shall be granted a maximum of one (1) hour of personal leave with pay each fiscal year.

Effective July 1, 2008, In recognition of the unique work requirements that are specific to Dispatch employees that include but are not limited to; urgency conditions that interrupt schedules, loss of premium pay due to unscheduled

absences, dispatch employees will receive 10 hours of personal leave to be used only on the 10 hour payback day and after advanced scheduling and approval of the manager. Hours must be used during the fiscal year or they will be forfeited.

XI. OTHER LEAVES

A. Military Leave

Employees represented by the Association shall be entitled to military leave and leave of absence without pay as specified in the City's Personnel Rules and Regulations.

Any Association employee who is required to be absent from their employment as the result of military obligations; i.e., military leave, shall be paid by City at the regular rate of pay to a maximum leave period of thirty (30) consecutive calendar days (or up to 172 hours) in any fiscal year while so absent. Employees are required to use accrued leave for all absences due to voluntary military duty. See section XXI for additional military benefits.

B. Jury Duty

1. Regular full-time employees summoned to jury duty may be absent from duty provided that a copy of the summons is submitted to the employee's supervisor prior to jury duty and the employee is selected to serve on a jury.

2. Jury duty is based on an eight-hour day. If the employee’s regularly scheduled shift is over eight (8) hours, the employee may use accrued leave to cover the rest of their shift, or return back to work and complete the rest of their shift. Employees shall not receive any overtime or compensatory time for jury duty occurring on a regularly scheduled day off.

3. Upon approval of the Police Chief, an employee assigned to shift duty may be rescheduled to day shift if the Jury Commissioner will not excuse the employee, and the employee is selected to serve on a jury. Rescheduling will only be considered if the employee has submitted the Chief's letter requesting that the employee be excused to the Jury Commissioner.

4. Regular part-time employees, upon completion of 1,040 work hours or one year of continuous active service, whichever occurs first, who are summoned to jury duty and required to serve, may be absent from duty with pay as follows:

Authorized Work Schedule	Pay
20 - 25 hrs/week	4 hours of pay per day
30 - 35 hrs/week	6 hours of pay per day

5. Those sworn and non-sworn regular full-time personnel who are officially notified to be summoned to jury duty, and are scheduled to work beyond midnight, shall not return to work for a minimum of 9 hours after serving jury duty.

C. Bereavement & Reproductive Loss Leave

1. Regular full-time employees represented by the Association may be granted up to a maximum of forty (40) hours of paid bereavement leave where there has been a death of a spouse, domestic partner, sibling,parent, parent-in-law, grandparent, grandchild, parent-in-law, grandparent-in-law, sibling-in-law, or child-in-law of an employee in order that the employee may attend last rites and attend to any pressing matters resulting from the death.

   A maximum of 80 hours of paid bereavement leave may be granted for the death of a biological child, adoptive child, or stepchild.

2. Reproductive Loss Leave

   Regular full-time employees may be granted reproductive loss leave of five (5) days where there has been a reproductive loss event such as miscarriage, stillbirth, unsuccessful assisted reproduction, failed adoption, or failed surrogacy of the employee, employee's spouse, or employee's registered domestic partner.

   Reproductive loss leave is an unpaid protected leave and may be granted in five (5) day increments for each reproductive loss event up to a maximum of twenty (20) days in any twelve (12) month period.

3. Regular part-time employees, upon completion of 1,040 work hours or one year of continuous active service, whichever occurs first, shall be eligible for prorated bereavement and reproductive loss leave. Regular part-time employees shall be eligible for prorated bereavement leave based on actual hours worked or budgeted to work. For example, an RPT employee who works thirty-five (35) hours per week will receive up to a maximum of thirty-five (35) hours of bereavement or reproductive

loss leave per reproductive loss event. If actual hours worked differ from hours budgeted to work, the lesser number of hours will be used as the basis for the proration. Bereavement and reproductive loss leave will be prorated as follows:

Work Schedule	Prorated Bereavement and Reproductive Loss Leave
20 - 25 hrs/week	up to a maximum of 20-25 hours
30 - 35 hrs/week	up to a maximum of 30-35 hours

XII. HOLIDAYS

A. Regular full-time employees in the classifications of Police Officer, Police Sergeant, Public Safety Dispatcher, and Public Safety Dispatch Supervisor, shall receive as compensation in- lieu of holidays an amount equal to 7% of their current base pay step, which in-lieu payment shall be paid each pay period. The in-lieu compensation factor of 7% shall not be applied and added to any payment for overtime work or to a lump sum payment for accrued vacation in the case of a terminating employee; or to any other payment to an employee except their current base pay step.

B. During the term of this agreement the classifications of Animal Control Officer, Community Service Officer, Police Records Supervisor, Property and Evidence Technician, Public Safety Clerk, Red Light Photo Enforcement Technician, and Vehicle Abatement Officer shall be eligible for the following holidays:

- January 1, New Year's Day
- Third Monday in January, Martin Luther King, Jr., Day
- Third Monday in February, President's Day
- Last Monday in May, Memorial Day
- June 19, Juneteenth
- July 4, Independence Day
- First Monday in September, Labor Day
- November 11, Veteran's Day
- Thanksgiving Day
- Friday following Thanksgiving Day
- Last work day before Christmas
- December 25, Christmas Day
- Two Floating Holidays, to be scheduled subject to Department Head approval.

The floating holidays must be scheduled and used during the fiscal year. Holidays shall not be carried over from one fiscal year to another. Upon termination, an unused holiday cannot be converted to cash. An employee must be employed in a covered classification by January 1st to be eligible for the floating holidays.

C. When a holiday falls on a Sunday, the following Monday shall be observed. When a holiday falls on a Saturday, the preceding Friday shall be observed. When a holiday falls on the second day of two consecutive scheduled days off, the day following the days off shall be observed. When a holiday falls on the first day of two consecutive scheduled days off, the day preceding the days off shall be observed.

D. When a regular full-time employee who receives holiday-in-lieu pay is assigned to a light duty assignment on a 40-hour per week work schedule, said employee shall continue to receive holiday-in-lieu pay and will be required to work on holidays that occur during the work week.

E. The proration of holiday-in-lieu pay for regular part- time (RPT) employees in the classification of Public Safety Dispatcher or Public Safety Dispatch Supervisor will be based on actual hours worked or budgeted to work. For example, an RPT employee who is budgeted to work 35 hours per week will earn a prorated amount of holiday-in-lieu compensation based on a 35 hour per week work schedule. The in-lieu compensation factor shall not be applied and added to any payment for overtime work or to a lump sum payment for accrued vacation in the case of a terminating employee; or to any other payment to an employee except their regular pay.

F. Regular full-time employees represented by the Association who are assigned to work an alternative work schedule but who are not eligible for holiday-in-lieu pay will receive eight (8) hours of holiday leave for each official holiday set forth in the MOU. (Holiday leave is defined as an eight (8) hour day). The employee will receive eight hours of holiday pay at the straight time hourly rate and the additional hours to complete the shift must be charged to accrued vacation, comp time, or holiday comp time leave. When an employee works on a holiday or a holiday falls on a regularly scheduled day off the employee shall accrue eight (8) hours of holiday comp time (HCT). On the June 30 pay check, any unused holiday comp time (HCT) in excess of 26 hours will be paid to the employee at the straight time hourly rate in effect in June of that year. Those employees that utilize the holiday leave in observance of the holiday shall either utilize accrued vacation, compensatory time off, or holiday comp time for the remaining two (2) hours of their scheduled shift, or with the consent of their department, flex their work schedule during the same workweek as the holiday and work an additional two (2) hours at straight time.

XIII. PAY UPON PROMOTION

In the case of promotions to classes covered by this memo, the City agrees to pay the promoted employee a minimum of 5% above the top step of the range from which they were promoted.

XIV. CERTIFICATE INCENTIVE PAY

The City shall provide the following Certificate Incentive Pay for personnel represented by the Association who receive a California P.O.S.T. Intermediate or Advanced Certificate.

The effective date for payment of Certificate Incentive Pay shall be the payroll period immediately following the date on the P.O.S.T. certificate.

The provision of Certificate Incentive Pay is not intended as an inducement or directive to employees to conduct personal education programs beyond the programs required and/or provided by the City. The course work is undertaken voluntarily by the employee and not subject to remuneration under provisions of the Fair Labor Standards Act.

A. Certificate Incentive Pay for Police Officer and Police Sergeant will be:
P.O.S.T. Intermediate Certificate 5% of base hourly pay rate per month
P.O.S.T. Advanced Certificate 10% of base hourly pay rate per month

B. Certificate Incentive Pay for Public Safety Dispatcher and Public Safety Dispatch Supervisor will be:
P.O.S.T. Intermediate Certificate 3.5% of base hourly pay rate per month
P.O.S.T. Advanced Certificate 7% of base hourly pay rate per month

XV. OVERTIME

A. Regular Full-time Employees

Overtime for all regular full-time employees shall be defined as that time worked in excess of the regularly assigned shift. Overtime shall be paid for actual hours worked when an employee's overtime hours are consecutive with the beginning or end of their regular shift. All overtime as above defined shall be paid at the rate of time and one-half of the regular hourly rate of pay for all positions or be granted as compensatory time off at the rate of time and one-half.

B. Regular Part-time Employees

Overtime for all regular part-time employees shall be defined as that work performed in excess of twelve and one-half (12.5) hours in a workday or forty (40) hours of actual work in a scheduled workweek. All overtime as above defined shall be paid at the rate of time and one-half of the regular hourly rate of pay for all positions or be granted as compensatory time off at the rate of time and one-half.

C. Compensatory Time Off

Accumulation of compensatory time off shall be limited to 160 hours and shall only be available in accordance with federal regulations implementing the Fair Labor Standards Act. When an employee reaches the maximum accumulation of 160 hours, the employee shall receive overtime pay for time worked in excess of the regularly assigned shift.

The maximum accumulation of compensatory time off shall be 220 hours. All compensatory time off accruals and compensatory time off elected for cash out count toward the 220 hours limit.

1. Voluntary Election to Cash Out Compensatory Time Off

By December 1 of each calendar year, eligible employees may voluntarily and irrevocably elect to cash out compensatory time in the following calendar year, all compensatory time earned during the applicable calendar year and remaining at the end of that calendar year will be cashed out in the last full pay period of the calendar year. Should the employee transition outside of NPA, the irrevocable election remains in place for the calendar year.

Each year the employee will have the option to elect to irrevocably cash out compensatory time for the subsequent calendar year.

The City makes no representations as to the tax counsequences of an employee cashing out accrued leave or the compensatory time cash out program. It is the employee's sole responsibility to address the tax consequences of cashing out accrued leave.

2. Non-election of Compensatory Time Off Cash-Out

If an employee does not irrevocably elect to cash out compensatory time in the following calendar year, the compensatory time leave accrued in that calendar year will be credited to the employee’s compensatory time off account until the compensatory time off account is credited to the maximum accrual amount. Unused compensatory time will carry over from one calendar year until the next is exhausted. Should the employee transition outside of NPA, the subsequent MOU provisions of the new employee group will apply to any remaining compensatory leave. Upon separation from City service, all earned compensatory time will be paid in cash.

D. Compensatory Time Off for School Resource Officers

School Resource Officers work a 9 hour day, 45 hours per week schedule and therefore, accumulate 5 hours of compensatory time per week. If a

School Resource Officer works the standard 9 hour day, 45 hours per week schedule, the accumulation of compensatory time off shall be limited to 320 hours. At the termination of an assignment as a School Resource Officer, a plan shall be developed with the Officer to reduce the compensatory time leave balance to 160 hours within six months from the end of the assignment. If a School Resource Officer elects to work an alternative schedule (e.g., a 4/10 or a 9/80 work schedule), then the accumulation of compensatory time off shall be limited to 160 hours.

E. Call-Back Minimum

1. Regular full-time and regular part-time employees shall be eligible for a four (4) hour call-back minimum when the call back is for an unscheduled event that occurs more than two (2) hours after the end of the shift and within nine (9) hours of their assigned end of shift except as provided in Section XV.A above. Said employees shall receive, upon reporting a minimum of four (4) hours of work at the overtime rate, or if four (4) hours of work are not actually worked, a minimum of four (4) hours pay at the overtime rate.

2. Regular full-time and regular part-time employees who are called backto work for a planned event which is scheduled at least 24 hours in advance shall receive, upon reporting, a minimum of two (2) hours of work at the overtime rate, or if two (2) hours of work are not actually worked, a minimum of two (2) hours pay at the overtime rate.

3. The above call-back provision does not relate to official court appearances. Such court appearances shall be compensated as provided in this M.O.U.

4. A “call-back” occurs when an employee is required to return to their normal work location, or to travel to another work location at the direction of the city. A “call-back” does not occur when an employee handles a phone call at home or is otherwise not required to physically leave their residence. In such situations, the employee shall be compensated for any time actually worked at the overtime rate, but will not be entitled to the call-back minimum.

XVI. MINIMUM COURT TIME PAY

A. The City shall pay a minimum of four hours overtime at time and one-half pay to those sworn and non-sworn regular full-time personnel who are officially notified and appear in court on Newark Police Department business during their scheduled days off. For purposes of this section, the phrase "scheduled days off" refers to days on which the officer is not scheduled for duty. Scheduled days off does not include sick leave, 4850

leave, leave without pay, or shift trades between employees.

B. The City shall pay a minimum of four hours overtime at time and one-half pay to those sworn and non-sworn regular full-time personnel who are officially notified and appear in court on Newark Police Department business if their assigned work schedule is beyond midnight and if court appearance is within nine (9) hours of their assigned end of shift but more than two (2) hours before or two (2) hours after the assigned shift.

C. The City shall pay a minimum of four hours overtime at time and one-half hourly pay rate to those sworn and non-sworn regular full-time personnel who are officially notified and appear in court on Newark Police Department business during their scheduled days on duty if they are serving duty on the B and C shifts provided they are scheduled to appear more than two (2) hours after the end of their assigned shift.

D. The City shall pay a minimum of two hours overtime at time and one-half to sworn and non-sworn regular full-time personnel scheduled to appear in court on the day normally scheduled to work provided they are scheduled to appear at least two hours prior to the assigned shift.

E. The City shall pay a minimum of two hours overtime at time and one-half pay to those sworn and non-sworn regular full-time personnel assigned to B or C shifts, or on day off who are not notified that their subpoenaed appearance in court is not required if the notification is not received by 10:00 hours on the day of the court appearance provided that the employee has called the appropriate agency to ascertain attendance requirements.

F. Minimum court time pay does not apply to employees on 4850 industrial leave, sick leave, leave without pay, or shift trades between employees.

1. An employee who is on sick leave on the date of the actual court appearance shall receive straight time pay for time spent at court.

2. An employee who appears in court while on industrial disability leave (4850 industrial leave) shall be ineligible for court pay, at either the straight-time or the time-and-one-half rate, but shall, instead, receive only their industrial leave (4850 leave) pay.

3. An employee who appears in court while on leave of absence without pay shall receive straight time pay for actual time spent at court, provided that prior approval for such pay has been authorized by a Police Lieutenant in advance of court appearance.

G. Only one four-hour minimum shall be paid per calendar day.

XVII. DETECTIVE ON-CALL ALLOWANCE

A. One detective may be assigned by the Police Chief, or designee, to on-call duty. The terms, conditions, and procedures for on-call duty shall be determined by the Police Chief. The City maintains the right to discontinue the on-call duty program at its sole discretion.

B. The detectives assigned to on-call duty shall receive, in addition to monthly salary, one hundred seventy-five dollars ($175.00) for each full week (seven day period) assignment.

C. Payment of the on-call allowance shall be prorated if the week assignment is not completed.

D. The on-call allowance will not be included as compensation when computing overtime pay, retirement or workers' compensation benefits.

E. The Police Chief shall establish terms and conditions for on-call duty pay.

XVIII. USE OF CITY VEHICLES

A. Police Officers who are assigned as Detectives and who live within the Newark city limits are authorized to utilize their assigned City-owned vehicles to commute to and from work and to lunch within the City limits. At the sole discretion of the Police Chief, the requirement that employees live within city limits may be waived. The City-owned vehicle shall not be utilized for any purpose not related to official City business.

B. Police Officers who are assigned as Canine Handlers are authorized to utilize their assigned City-owned vehicle to commute to and from work a distance not to exceed 40 air miles one way. At the sole discretion of the Police Chief, the 40 air miles requirement may be waived. The City-owned vehicle shall not be utilized for any purpose not related to official City business.

C. Police Officers who are assigned as Motor Officers and Sergeants are authorized to utilize their assigned City-owned motorcycles to commute to and from work a distance not to exceed 40 air miles one way. At the sole discretion of the Police Chief, the 40 air miles requirement may be waived. The City-owned motorcycles shall not be utilized for any purpose not related to official City business.

XIX. TUITION FEES AND BOOK COSTS REIMBURSEMENT

A. Regular full-time and regular part-time employees are eligible on a first-come, first-served basis for the educational reimbuesement of tuition fees and book costs.

B. The City shall establish a fund of $15,000 which shall be the City's total obligation for financing tuition fees and book costs incurred for courses completed within each fiscal year of this Memorandum of Understanding by the employees represented by the Newark Police Association. Reimbursement to individual employees shall not exceed $1,500 per employee per fiscal year. Should monies remain in the fund at the end of the fiscal year, the funds will be distributed equitably among employees that had eligible expenses beyond the $1,500 per employee limit, up to their maximum expense incurred. Reimbursements taxable under the IRS will be taxed to comply with IRS regulations.

C. Reimbursement shall be made for 100% tuition fees and book costs of satisfactorily completed courses taken in the pursuit of an Associate, Bachelor's or Master's Degree in the Administration of Justice, Political Science, Psychology, Public Administration, Criminology, Law, or Sociology, or any field directly related to police services. Reimbursement shall also be made for such fees and costs for a particular course in any of these fields, including any field directly related to police services, even though such course is not taken in pursuit of any of the above degree programs.

D. An employee may petition their Department Head for authorization to be reimbursed for courses which are not specifically enumerated above but are in a field directly related to police services and which will maintain or improve job-related skills. Denial of such petition is subject to the Grievance Procedure provided in this M.O.U. except that all parties will accept the fact finders decision as final.

E. <u>Procedure</u>

1. An eligible employee shall request written approval from the Police Chief to be reimbursed for courses or approved fees authorized under this provision prior to registration in the course or educational program (i.e. Saint Mary’s College bachelor’s or graduate programs).

2. Reimbursement shall be made for 100% tuition fees and required textbook costs of satisfactorily completed, City-approved courses directly related to the employee's job. In the event that an employee’s educational program is unable to identify the specific cost associated with a specific course, reimbursements will be processed based on the average course cost using the following formula:

   Total educational program fees (e.g.: B.S./B.A. degree programs) divided by the total number courses required to obtain the degree will equal the average course fee.

3. Satisfactory completion shall be construed to mean the attainment of a

course grade of "C" or better or documentation of satisfactory completion acceptable to the City. No reimbursement shall be made to employees who either unsatisfactorily complete or withdraw from an approved course.

4. Reimbursement shall be processed upon evidence of the successful completion of a course(s) and in accordance with the Human Resources Department's Educational Reimbursement procedures.

5. The City shall not provide reimbursement for any personal vehicle mileage or any expense other than tuition, fees and required textbook costs.

F. Required textbooks for which the employee was reimbursed shall become the property of the employee.

It is the intent of this policy that all employees, though eligible for reimbursement of expenses, shall carry out their educational programs on their own personal time. Departmental shifts may be arranged to allow an employee to enroll in a college program with reasonable assurance that course attendance shall not be disrupted at mid-semester or mid-quarter. This policy does not guarantee that such disruption shall not occur; however, the Police Chief shall insure that a reasonable effort will be made to avoid such disruptions when it may be achieved without inconvenience to departmental operations.

In the event that some activity of the educational program is to take place during the employee's duty hours, it shall be the responsibility of the employee to make the necessary arrangements for personal time off.

In this regard, the employee may make whatever arrangements are possible; however, the needs of the Department shall be of primary consideration in these situations.

This policy is not intended to serve as a directive to employees to conduct personal education programs beyond the programs required and/or provided by the City. The course work referred to here is that which is undertaken voluntarily by the employee and not subject to remuneration under provisions of the Fair Labor Standards Act.

XX. RETIREMENT BENEFITS

A. All Association members who were appointed prior to January 1, 2013 and all "Classic Members" (as defined by CalPERS) are referred herein either as "Classic Members" or as "Classic".

B. The City shall continue to provide to all sworn Classic Members of the

Association a retirement formula known as “3% at 50" together with the 1959 survivor benefit option and a credit for unused sick leave option. Sworn Classic Members continue to pay the 9% employee rate for the 3% at 50 retirement formula plus continue to pay up to 4% of an additional contribution in accordance with the following formula for a current total of 13%.

The Association’s Classic sworn members will contribute a matching percentage of salary in the form of an increase in employee contribution rate during the term of this agreement if the CalPERS Safety Plan employer actuarial rate for the 3% at 50 retirement formula exceeds 17.00% to a maximum of 25.00%. In the event that the employer rate exceeds 25.00%, the City shall be responsible for any increase above 25.00%. In subsequent years of the contract, if the rate over 17.00% decreases, the Classic Association members’ matching percentage of salary in the form of the employee contribution rate will be reduced by the above formula. Employer rate reductions below 17.00% will not be shared with Association members under the above formula.

The following example is for illustrative purposes only:

If the CalPERS Safety Plan employer actuarial rate for the 3% at 50 retirement formula increased from 17.00% to 20.00% effective July 1, 2006, the Classic sworn Association members’ rate would increase from 9.00% to 10.50%. The City would then be responsible for the matching 1.50%. If the rate decreased from 20.00% to 18.00%, the Classic sworn Association members’ rate would decrease by 1.00%.

C. The City shall continue to provide to all non-sworn Classic members of the Association a retirement formula known as “2.5% at 55" together with the 1959 Survivor Benefit option and a credit for unused sick leave option. Non-Sworn Classic Members continue to pay the 8% employee rate for the 2.5% at 55 retirement formula plus continue to pay up to 2.971% of an additional contribution in accordance with the MOU formula and the 2009 cap for a current total of 10.971%

In addition, the Association’s non-sworn Classic members will contribute a matching percentage of salary in the form of an increase in employee contribution rate during the term of this agreement if the CalPERS Miscellaneous Plan employer actuarial rate for the 2.5% at 55 retirement formula exceeds 10.00% to a maximum of 16.936%. In the event that the employer rate exceeds 16.936%, the City shall be responsible for any increase above 16.936%. In subsequent years of the term of the agreement, if the rate over 10.00% decreases, non-sworn Classic Association members’ matching percentage of salary will be reduced by the above formula. Employer rate reductions below 10.00% will not be shared under the above formula.

The following is for illustrative purposes only:

If the CalPERS Miscellaneous Plan employer actuarial rate increases to 10.00%, each Association member would contribute zero (-0-) from their salary to pay for the retirement benefit. If the rate increases from 10.00% to 13.00%, each Association member would contribute half of the 3.00% increase (1.50%) from their salary to pay for the retirement benefit. The City would then be responsible for the matching 1.50%. If the rate decreased from 13.00% to 11.00%, the Association member would contribute 0.50% of the increase above 10.00% from their salary to pay for the retirement benefit. The City would then be responsible for the matching 0.50%.

D. The City shall provide to sworn members of the Association who were appointed on or after January 1, 2013 who are PEPRA members (as defined by CalPERS) a retirement formula known as 2.7% at 57 in accordance with the Public Employees' Pension Reform Act of 2013.

Sworn association members who were appointed on or after January 1, 2013 who are PEPRA members (as defined by CalPERS) will contribute half the normal cost of the 2.7% at 57 plan as required by the Public Employees' Pension Reform Act of 2013.

In addition to paying the employee rate sworn PEPRA members currently pay an additional contribution of 1.5% of the employer rate. If CalPERS approves a contract amendment for the City of Newark that eliminates the 1.5% contribution the City agrees to amend its contract for sworn PEPRA members accordingly.

E. The City shall provide to all non-sworn members of the Association who were appointed on or after January 1, 2013 who are non-sworn PEPRA Members (as defined by CalPERS) a retirement formula known as 2% at 62 in accordance with the Public Employees' Pension Reform Act of 2013.

Non-sworn members of the Association who were appointed on or after January 1, 2013 who are PEPRA Members (as defined by CalPERS) will contribute half the normal cost of the 2% at 62 plan as required by the Public Employees' Pension Reform Act of 2013.

In addition to paying the employee rate (currently 6.25%), non-sworn PEPRA Members will pay the same percentage of an additional contribution as non-sworn Classic Members of the Association pay.

F. All Association members' cost sharing contributions will be tax deferred.

G. All Association non-sworn Miscellaneous Group employee members will not pay any increase in the CalPERS employee cost share after June 30, 2009. The Miscellaneous Group's CalPERS cost share will be capped at the current 2.971% rate.

H. The parties acknowledge that the City must comply with the provisions of the Public Employees' Pension Reform Act of 2013. To the extent additional changes to the terms and conditions of employment are required by the Public Employees' Pension Reform Act of 2013 or any other law, the City agrees to meet and confer over the effects of any changes that it is required to make during the term of this agreement.

I. The City shall provide the one-year highest compensation option to Classic sworn and non-sworn members of the Association. The City shall provide the three-year average compensation requirement to PEPRA members as defined above.

J. The City shall continue to provide a retiree provision in all group health plans in which City personnel may participate.

K. Effective October 15, 2000, the City amended its contract with CalPERS to provide sworn members of the Association the ability to purchase up to four years of service credit for any continuous active military service prior to employment.

L. Effective, January 26, 2001, the City amended its contract with CalPERS to provide sworn members of the Association the indexed level 1959 survivor benefit option. The Association members agree that any costs now or in the future for the Indexed level 1959 survivor benefit will be paid by the members.

M. Effective November 16, 2004, the City amended its contract with CalPERS to provide for the Pre-Retirement Optional Settlement 2 Death Benefit for sworn members. The Association members agree that any costs now or in the future for the Pre-Retirement Optional Settlement 2 Death Benefit will

be paid by the members.

XXI. EXTENSION OF MILITARY BENEFITS

A. This program covers non-probationary, regular, part-time and full-time employees. In addition to the 30 days of fully paid annual military leave provided under the California Military and Veterans Code §395.01 and 395.02, the City will pay additional wages to supplement the employee's income in an amount equal the employee's regular City monthly compensation less military pay for up to an additional 150 days. Thus, if an employee is ordered to military leave, that employee will receive full compensation for the first 30 consecutive calendar days (as required by the Military and Veterans Code §395.01 and 395.02), and supplemental compensation for up to 150 consecutive calendar days.

B. Employees will be required to provide copies of their military pay stubs for reconciliation purposes. Payments will be reconciled quarterly by the Finance Department. If the Finance Department has not received military pay information within three weeks after the end of the quarter, future checks may be held until the information is provided.

C. Payroll deductions related to employee-paid health insurance, dental insurance, retirement, vision insurance, short term disability insurance, long term disability insurance, and/or life insurance will continue during the employee's absence.

D. Employees who are on paid military leave will continue to accrue seniority, retirement benefits, sick leave, vacation, and shall receive holidays and salary adjustments. When the supplemental compensation ends, employees will continue to accrue seniority and retirement benefits. In order to continue retirement credit for military leave, the employee must request a military credit at any time after returning from military leave, but prior to separation or retirement.

E. For purposes of this policy, employees become eligible for the program after 30 days of military leave have been used, including any military leave that may have been used during this calendar year prior to military activism.

F. Affected employees must request in writing to the City Manager's Office via their department head, to participate in this program as soon as they are aware that their military leave will extend beyond 30 days. Employees must provide military orders or other official military documentation validating military leave requirements to their supervisor as soon as possible. The supervisor will then forward a copy to Human Resources and Finance.

G. An employee voluntarily enlisting for active duty service is not eligible for this program.

H. The City expects employees who benefit from this program to return to employment with the City after serving their military duty.

XXII. LONGEVITY PAY

A. Regular full-time employees in the classifications of Police Officer and Police Sergeant are eligible for longevity pay as follows:

Upon commencement of 10 years of service 2.5% salary increase
Upon commencement of 15 years of service 5.0% salary increase
Upon commencement of 20 years of service 7.5% salary increase

Longevity pay is computed on base compensation only. The maximum longevity pay premium is 7.5% of salary for employees in the classifications of Police Officer and Police Sergeant.

B. For service to meet the requirements of longevity pay, it must meet all of the following criteria:

- Full-time sworn classifications represented by the City of Newark Police Association, including probationary time through June 30, 2022; and
- Effective July 1, 2022, full-time sworn service in the classifications of Police Officer, Police Corporal, Police Sergeant, Police Lieutenant, Police Commander, Police Captain, and/or similar sworn position; in a public sector agency, including probationary time; and
- Continuous service or service that qualifies under reinstatement procedures; and
- Active service (in a paid status) or approved leave without pay that qualifies for FMLA, CFRA, PDL, workers' compensation, or other protected leaves per state or federal law.

XXIII. SPECIAL ASSIGNMENT PAY

A. Police Officers assigned as Field Training Officers to train Police Officers or Police Reserves shall receive a five percent (5%) of top Police Officer pay step base salary differential, which shall not affect the amount of holiday in lieu or educational incentive pay received while performing Field Training Officer duties.

B. Public Safety Dispatchers formally assigned by the Police Chief to train other Public Safety Dispatchers as part of a formalized departmental

training program shall receive a five percent (5%) salary increase during such assignment, which shall not affect the amount of holiday-in-lieu pay received while performing Public Safety Dispatcher training duties. Public Safety Dispatchers are not eligible for this salary increase when acting as Public Safety Dispatch Supervisor and receiving acting pay for that assignment.

C. Employees assigned in writing by the Police Chief to perform the duties of a higher classification on an "acting" basis shall receive a five percent (5%) salary increase for hours worked from the first day of the acting assignment. In the event an employee in an acting assignment is absent from work because of illness or injury, the City may terminate the acting assignment.

D. Police Officers and Sergeants assigned to one of the following special duty assignments shall receive special assignment pay of 5% of base compensation per month:

- School Liaison Officer
- School Resource Officer
- Professional Standards and Training Officer
- Detective
- Canine Handler
- Motor
- Special Enforcement Team
- Any other position approved by the Police Chief

E. Police Officers who are assigned as Canine Handlers will also receive a maintenance allowance of $100.00 per month which will be treated as salary. The maintenance allowance is intended to cover expenses that are incurred as a direct result of housing the animal at the Officer’s residence. These expenses include, but are not limited to, yard/interior home spraying, carpet cleaning, and general maintenance of the property to ensure the dog’s safety and well-being.

F. Employees represented by the Association will receive bilingual assignment pay of $100.00 per month. Eligibility for bilingual assignment pay shall be made subject to the following conditions and in accordance with Administrative Regulation 0522 which establishes a policy and procedures for receiving bilingual assignment pay:

1. Employees will be required to pass an initial fluency test administered by the City or an independent testing service. Employees will be required to undergo periodic testing of skill level to remain eligible for bilingual pay.

2. Eligible languages will be determined by the City.

3. Employees must be in a classification that brings them into regular contact with the general public.

4. The City retains the right to make the final determination regarding eligibility for bilingual assignment pay.

XXIV. SAFETY TRAINING AND EQUIPMENT

A. Animal Control Officer

The City shall provide safety training and equipment necessary to minimize the potential for work related injuries.

B. Firearm

An employee represented by the Association authorized by the Police Chief to carry a firearm in the course of employment, shall be provided a department-issue firearm. Department-issue firearms shall be the property of the City and must be returned to the City upon separation of employment, request of the Police Chief, or when an employee purchases and uses an alternative firearm approved by the department. The selection of the department-issue firearm shall be the sole discretion of the City.

Implementation of this provision shall be subject to an analysis and recommendation of an appropriate department-issue firearm acceptable to the City Manager.

C. The City will continue to provide Police Officers, Police Sergeants, Community Sevices Officers, Animal Control Officers, and Vehicle Abatement Officers the following safety and protective items: Holster, Gunbelt, Magazine Holder, Flashlight, Handcuffs, Handcuff Case, Baton, Baton Ring, Chemical Agent, Chemical Agent Holder, Ballistic Vest (Minimum Threat Level 2), and Belt Keepers.

Equipment will be Accumold, basket weave, or a similar style as approved by the Police Chief.

D. Motorcycle Duty

The City shall furnish uniformed motor officers with appropriate safety and protective equipment necessary for the performance of their duties. All motorcycle apparel provided shall conform to the standards established by the Police Department, as determined by the Police Chief. The replacement of worn or damaged apparel

shall be at the sole discretion of the Police Chief. Provided items may include, but are not limited to, the following: motorcycle helmet, leather or Kevlar riding jackets, Class A wool shirt and britches, Motor Port motorcycle pants, daytime and nighttime eyewear, and motorcycle gloves.

XXV. PER DIEM EXPENSE

The City shall provide suitable lodging or reimburse lodging expense incurred pursuant to current reimbursement rates for employees assigned to mutual aid, riot, or civil demonstration where employees are required to remain overnight. The City shall provide meals or reimburse for meals pursuant to current reimbursement rates for employees assigned to mutual aid.

XXVI. GRIEVANCE PROCEDURE

Any dispute between the City and an employee regarding the interpretation or application of this Memorandum of Understanding shall be considered a grievance. A grievance may be filed by an employee on their own behalf or by the President of the Association and/or their designated representative effecting the rights of an employee pursuant to this agreement who is represented by the Association. For purposes of this section, all notices required herein shall be effected when personally served supported by a declaration under penalty of perjury of the fact of personal service stating the time, place and person served. Notice may also be served by addressing said notice to the City supervisor involved at the City Administration Building or the employee at their home address as shown in the Human Resources Office, postage prepaid, mailed by certified mail return receipt requested. Notice sent by certified mail shall be considered served upon deposit in the U.S. Mail postage prepaid.

A written grievance shall contain a complete statement of the grievance, the alleged facts upon which the grievance is based, the reasons for the grievance, the remedy requested, and the sections of this agreement alleged to have been violated. The grievance shall be signed and dated by the employee and/or the President of the Association on behalf of an employee represented by the Association.

Hearings on grievances and actual filing of grievances may be processed during normally scheduled working hours. All other activities related to the employee's or Association's preparation and processing of the appeal grievance shall be done outside of scheduled working hours. No employee or Association representative shall be entitled to any additional compensation or premium pay for any time spent in preparing or processing grievances. No grievances shall be processed during periods of overtime.

The employee or the Association shall pay for the time and expenses of their (its) representatives and witnesses through all stages of the grievance procedure. Witnesses who are City employees and who are on duty at the time of a scheduled appearance shall be released from duty without loss of compensation for the time required to testify. One spokesperson from the Association shall be permitted to be present without loss of compensation during hearings on grievances.

Time limits set forth herein for processing of the grievance procedure are of the essence of this procedure and are to be strictly complied with. Time limits may be extended only by written mutual agreement of the employee and/or Association and the supervisor conducting a hearing.

Any grievance not filed or appealed by the employee within the time limits specified shall be considered settled on the basis of the last disposition given. In the event the grievance is not answered by the City within the time limits set forth herein, the employee may and/or the Association on behalf of the employee may take the grievance to the next higher step in the grievance procedure within the time limits provided.

No resolution of any grievance shall be contrary to the provisions of this Memorandum of Understanding.

An Association employee shall not be penalized if they erroneously file a grievance rather than an appeal or vice versa under City of Newark Ordinance No. 77.10, Section 8, RIGHT OF APPEAL. At such time as the employee is notified in writing that the wrong procedure has been utilized, the employee shall refile the action as a grievance or appeal within 5 calendar days of the date of notification of erroneous filing.

Grievances shall be processed in the following manner:

A. Within ten (10) calendar days of the occurrence of the matter on which a grievance is based, the employee and/or Association representative shall discuss the grievance in a meeting with the immediate supervisor of the employee involved.

B. If after such discussion the employee and/or the Association does not believe the problem has been satisfactorily resolved, they shall have the right, within ten (10) calendar days of the occurrence of the matter to file a formal written grievance of the personnel action with the employee's immediate supervisor.

C. Within ten (10) calendar days of receipt of the notice of formal written grievance, the immediate supervisor shall provide their decision in writing to the employee and/or Association representative.

D. Within ten (10) calendar days of the receipt of the decision from the employee's immediate supervisor, the employee and/or the Association may appeal the grievance by presenting a formal written appeal on the grievance to the appropriate Department Head.

E. Within ten (10) calendar days of receipt of the formal appeal on the grievance, the Department Head shall provide a written decision to the employee and/or Association.

F. Within ten (10) calendar days of receipt of the Department Head's decision, the employee and/or the Association may present a formal appeal of the grievance to the City Manager. The City Manager or their designated representative within ten (10) calendar days of receipt of the appeal shall make a thorough review of the grievance, meet with the Police Chief and the parties involved to attempt to resolve the grievance and, if necessary, thereafter provide a written decision to the employee and/or employee association within ten (10) calendar days of the meeting date.

G. Within ten (10) calendar days of receipt of the decision of the City Manager, the employee and/or employee association may demand in writing to the City Manager that a formal appeal of the grievance be submitted to an independent fact-finder from a list of three qualified fact-finders submitted to the City by the American Arbitration Association.

1. The City Manager and the employee and/or Association representative shall alternately strike names from the list so furnished and the last name remaining shall be designated as the fact-finder.

2. The City and the employee and/or Association shall share equally the fees and expenses of the fact-finder as well as the cost of making a record of the fact-finder. Each party shall bear their attorney's fees.

3. The rules of conduct of proceedings shall be according to those procedures for expedited fact-finding utilized by the American Arbitration Association.

4. The City and the employee both hold the right to be represented by an attorney or a representative of the employee's union or association.

5. If either of the parties does not accept the decision of the fact-finder, the party may appeal to a court of competent jurisdiction to hear the matter based on the transcript of evidence submitted to the fact-finder and conclusions of the fact-finder.

XXVII. WORK SCHEDULES

A. Police Officer and Police Sergeant

1. Sworn personnel shall utilize a work schedule known as a "160-Hour (3/12½) Work Schedule". Assignment to the 160-Hour (3-12½) Work Schedule shall include sworn regular full-time employees assigned to patrol. Eligibility for assignment to a Four-Ten Work Schedule shall include those special duty assignments listed in Section XXIII.D.

B. Animal Control Officer, Community Service Officer, and Vehicle Abatement Officer

1. Animal Control Officers, Community Service Officers, and Vehicle Abatement Officers will normally be assigned to a Four-Ten Work schedule. The Police Chief may authorize a different work schedule if such change is needed to achieve management objectives.

2. During any permitted meal periods, Animal Control Officers, Community Service Officers, and Vehicle Abatement Officers assigned to Patrol Division will be on an on-duty status and shall be available to respond to requests for police services.

C. Public Safety Dispatcher / Lead Public Safety Dispatcher

1. Regular full-time Public Safety Dispatchers, and Public Safety Dispatch Supervisors, shall utilize a work schedule known as "3/12½ Hour Work Schedule" with a paid lunch period. Typically, a Public Safety Dispatcher or Public Safety Dispatch Supervisor assigned to this schedule will work three days of 12.5 hours per week (37.5 hours) and one additional 10 hour day (47.5 hours) during the 28 day cycle.

2. Regular part-time Public Safety Dispatchers and Public Safety Dispatch Supervisors shall work a flexible schedule that does not normally exceed their designation of 20-25 hours per week or 30-35 hours per week.

3. The Parties have agreed that it is in their best interests to investigate the options of a 7B Fair Labor Standards Act (FLSA) exemption from overtime requirements for Dispatch Employees.

D. Public Safety Clerk and Police Records Supervisor

1. A standard work schedule for the Public Safety Clerk and Police Records Supervisor shall be 40 hours per week. The normal workweek will be 40 hours with consecutive 8-hour days beginning or ending on any day of the week. The standard workweek begins at 12:00 a.m. Sunday morning and ends at 11:59 on Saturday.

2. The Public Safety Clerk and Police Records Supervisor have the option to request working an alternate work schedule (Four-Ten). The authorization to work an alternate work schedule shall be the sole discretion of the department head. Operational needs of the department shall be the primary consideration in decisions to approve or deny requests.

E. Training

1. Employees authorized to attend schools for the purpose of training shall be assigned to a 40-hour, work week schedule. Work schedule adjustments may be authorized by the Police Chief to maintain the 160-hour work schedule requirement in a 28-day cycle or the 40 hoursper week for the four-ten work schedule. No overtime shall be paid for attendance at school unless specifically authorized by the Police Chief.

F. Notification of Shift Change

1. Twenty-one (21) calendar days notice shall be provided when employees are rotated, reassigned, or transferred from a regularly scheduled shift to another shift. Said twenty-one day notice shall not be required when an emergency necessitates a change in rotation, assignment or transfer. Emergency shall include but not be limited to the necessity of replacing employees absent from work because of unanticipated and unavoidable illness, injury or other good cause. Members may challenge the decision of the Police Chief through the grievance procedure provided in this M.O.U. except that all parties will accept the fact finder's decision as final, and except in case of an emergency, scheduling changes will not be implemented until the grievance is resolved.

2. For the classifications of Police Officer, Police Sergeant, and Public Safety Dispatcher, and Public Safety Dispatch Supervisor, the Police Chief will provide a minimum twenty-one day notice of the schedule for the 10- hour day (“pay-back” day). Whenever possible the Police Chief will provide a thirty-day notice of the schedule for the 10-hour day (“payback” day).

G. Shift Bidding

1. For the classifications of Police Officer, Community Service Officer, and Public Safety Dispatcher, the present practice of seniority based shift bidding shall be continued to permit assignment of personnel by the Police Chief where, in the Police Chief’s judgment, such assignment is needed to achieve management objectives. Members may challenge the decision of the Police Chief through the grievance

procedure provided in this M.O.U. except that all parties will accept the fact finder's decision as final, and except in case of an emergency, scheduling changes will not be implemented until the grievance is resolved.

2. Probationary or new Sergeants will be assigned to shifts by the Police Chief, or designee, for up to 18 months.

3. Any Police Officer, Community Service Officer, Public Safety Dispatcher, Public Safety Dispatch Supervisor, or Police Sergeant with deficiencies or problems associated with training may also be assigned to a shift by the Police Chief, or designee, until these issues are resolved or corrected. Shift bidding will be done by seniority after any special placement on shifts has been decided.

4. Shift changes will be scheduled by the Police Chief up to three times per year, but no less than twice per year.

5. Public Safety Dispatch Supervisor shifts shall be based on organizational needs per the Police Chief or designee.

H. Holiday Work Schedule

City offices will be closed for business during the December holiday season. Non-essential employees, as determined by the Police Chief, will participate in a four-day furlough.

I. Authority

1. The starting times for the alternative work schedule shall be established by the Police Chief and may be changed by the Police Chief at their discretion following a thirty day notice to the Association of the new starting times.

2. The City reserves the right and shall have the authority to discontinue, alter, or amend the alternative work schedule for any reason at any time at its sole discretion.

3. The Police Chief shall have sole discretion to assign employees on light duty assignments to a work schedule of the Police Chief's choosing including the standard five day, eight hour work schedule.

XXVIII. NEWARK POLICE ASSOCIATION RELEASE TIME

Upon request by the Newark Police Association (NPA), release time may be granted at the discretion of the Police Chief.

XXIX. AUTHORIZED REPRESENTATIVES FOR THE PURPOSE OF ADMINISTERING THE

TERMS AND CONDITIONS OF THIS MEMORANDUM OF UNDERSTANDING

A. Management's principal authorized agent shall be the City Manager or their duly designated representative except where a particular management representative is otherwise designated.

B. The Association's principal authorized agent shall be the President of the N.P.A. and/or their duly designated representative.

XXX. CARRYOVER TERMS

The provisions of the MOU between the City of Newark and the Newark Police Association will remain in effect until the adoption of a successor agreement or until exhaustion of the impasse process whichever occurs later.

XXXI. MANAGEMENT RIGHTS

The exercise by the City through its City Council and management representatives of its rights hereunder shall not in any way be directly or indirectly subject to the grievance procedure herein, except for specific provisions addressed in other clauses of this Memorandum of Understanding.

The Association recognizes that the City has and will continue to retain, whether exercised or not, the unilateral and exclusive right to operate, administer and manage its municipal services and work force performing those services in all respects, provided that this clause shall not supersede any other provisions of this Memorandum of Understanding.

The City Manager and Department Heads have and will continue to retain exclusive decision-making authority on matters not expressed in provisions of this Memorandum; and such decision-making shall not be in any way, directly or indirectly, subject to the grievance procedure contained herein.

The exclusive rights of the City shall include, but not be limited to, the right to determine the organization of City government and the purpose and mission of its constituent agencies, to set standards of service to be offered to the public, and through its management officials to exercise control and discretion over its organization and operations, to establish and effect administrative regulations and employment rules and regulations consistent with law and the specific provisions of this Memorandum of Understanding, to direct its employees to take disciplinary action for just cause, to relieve its employees from duty because of lack of work or for other legitimate reasons, to determine whether goods or services shall be made, purchased or contracted for, to determine the method, means and personnel by which the City services are to be provided,

including the right to schedule and assign work and overtime and to otherwise act in the interest of efficient service to the community.

XXXII. IMPLEMENTATION OF SECTION 414(h)(2) OF THE UNITED STATES INTERNAL REVENUE CODE

A. Pick-up of Employee Contributions

1. Pursuant to the provisions of this Agreement, the employer shall make employee contributions on behalf of employees, and such contributions shall be treated as employer contributions in determining tax treatment under the Internal Revenue Code of the United States. Such contributions are being made by the employer in lieu of employee contributions.

2. Employee contributions made under Paragraph 1 of this Article shall be paid from the same source of funds as used in paying the wages to affected employees.

3. Employee contributions made by the employer under Paragraph 1 of this Article shall be treated for all purposes other than taxation in the same manner and to the same extent as employee contributions made prior to the effective date of this Agreement.

4. The employee does not have the option to receive the employer contributed amounts paid pursuant to this Agreement directly instead of having them paid to the retirement system.

B. Wage Adjustment

Notwithstanding any provision in the current agreement on the contrary, the wages of employees shall be reduced by the amount of employee contributions made by the employer pursuant to the provisions hereof.

C. Limitations to Operability

This Article shall be operative only as long as the City of Newark pick-up of employee retirement contributions continues to be excludable from gross income of the employee under the provisions of the Internal Revenue Code.

XXXIII. FULL UNDERSTANDING MODIFICATION AND WAIVER

The parties to this Memorandum of Understanding acknowledge and agree that this Memorandum constitutes the result of meetings and conferring in good faith in accordance with Section 3500 et seq of the Government Code of the

State of California and further acknowledge and agree that all matters upon which the parties reached agreement are set forth in this Memorandum. This Memorandum supersedes and replaces all prior Memoranda of Understanding executed heretofore. The Memorandum of Understanding contains the full and entire understanding of the parties regarding the matters set forth herein. Existing practices and/or benefits which are not referenced in the Memorandum of Understanding and which are subject to the meet and confer process shall continue without change unless modified subject to the meet and confer process. The City shall not make any changes unless warranted by operational necessity.

XXXIV. TRANSFER

Transfers to or from the Department shall not be made in positions represented by the Association.

XXXV. PROMOTION

Effective June 1, 1995, and thereafter, promotional examinations for Police Sergeant shall be closed to participation from outside the department. The City shall have the sole discretion to hold a closed promotional or open recruitment to fill positions above the level of Police Sergeant.

XXXVI. NON-DISCRIMINATION

The parties agree, that they, and each of them, shall not discriminate against to the extent prohibited by law because of political or religious opinions or affiliations, or because of racial or national origin, or because of age or sex or disability, or because of membership in the Association or any other activities on behalf of the Association.

XXXVII. PROVISION REGARDING AMERICANS WITH DISABILITIES ACT

A. Because the ADA requires accommodations for individuals protected under the Act, and because these accommodations must be determined on an individual, case-by-case basis, the parties agree that the provisions of this Agreement or process that may be disregarded in order for the City to avoid discrimination relative to hiring, promotion, granting permanency, transfer, layoff, reassignment, termination, rehire, rates of pay, job and duty classification, seniority, leaves, fringe benefits, training opportunities, hours of work or other terms and privileges of employment.

B. The Association recognizes that the City has the legal obligation to meet with the individual employee to be accommodated before any adjustment is made in working conditions. The Association will be notified of these

proposed accommodations prior to implementation by the City.

C. Any accommodation provided to an individual protected by the ADA shall not establish a past practice, nor shall it be cited or used as evidence of a past practice in the grievance/arbitration procedure.

D. Prior to disregarding any provision of this Agreement in order to undertake required accommodations for an individual protected by the Act, the City will provide the Association with written notice of its intent to disregard the provision.

XXXVIII. SEPARABILITY

Notwithstanding any other provisions in this Agreement to the contrary, in the event that any Article or subsections thereof, of this Agreement shall be declared invalid by any Court of competent jurisdiction, or by any applicable state or federal law or regulation, or should a decision by any Court of competent jurisdiction, or any applicable state or federal law or regulation diminish the benefits provided by this Agreement, or impose additional obligations on the City, the parties shall meet-and-confer on the Article or subsections thereof affected. In such event, all other provisions of this Agreement not affected shall continue in full force and effect.

On Behalf of the City:

_____ _____

David Benoun, City Manager Date

On Behalf of the NPA:

_____ _____

Steven Losier, NPA President Date

ATTACHMENT A

NEWARK POLICE ASSOCIATION

REGULAR FULL-TIME/PART TIME CLASSIFICATONS

Animal Control Officer

Community Service Officer

Police Officer

Police Records Supervisor

Police Sergeant

Property and Evidence Technician

Public Safety Clerk

Public Safety Dispatcher

Public Safety Dispatch Supervisor

Red Light Photo Enforcement Technician

Vehicle Abatement Officer

ATTACHMENT B

NEWARK POLICE ASSOCIATION SALARY SCHEDULES

(Effective Dates: 7/01/2025, 7/01/2026, and 7/01/2027)

Salary Schedule Effective 7/01/2025

	Step 1			Step 2			Step 3			Step 4			Step 5		
Job Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Animal Control Officer	42.90	3,432.00	89,232.00	45.05	3,604.00	93,704.00	47.30	3,784.00	98,384.00	49.67	3,973.60	103,313.60	52.15	4,172.00	108,472.00
Community Service Officer	43.39	3,471.20	90,251.20	45.55	3,644.00	94,744.00	47.83	3,826.40	99,486.40	50.22	4,017.60	104,457.60	52.74	4,219.20	109,699.20
Police Officer	63.11	5,048.80	131,268.80	66.27	5,301.60	137,841.60	69.58	5,566.40	144,726.40	73.06	5,844.80	151,964.80	76.71	6,136.80	159,556.80
Police Records Supervisor	48.39	3,871.20	100,651.20	50.80	4,064.00	105,664.00	53.34	4,267.20	110,947.20	56.01	4,480.80	116,500.80	58.82	4,705.60	122,345.60
Police Sergeant	76.54	6,123.20	159,203.20	80.37	6,429.60	167,169.60	84.38	6,750.40	175,510.40	88.60	7,088.00	184,288.00	93.03	7,442.40	193,502.40
Property and Evidence Technician	41.85	3,348.00	87,048.00	43.94	3,515.20	91,395.20	46.13	3,690.40	95,950.40	48.45	3,876.00	100,776.00	50.87	4,069.60	105,809.60
Public Safety Clerk	40.83	3,266.40	84,926.40	42.87	3,429.60	89,169.60	45.01	3,600.80	93,620.80	47.26	3,780.80	98,300.80	49.63	3,970.40	103,230.40
Public Safety Dispatcher	50.09	4,007.20	104,187.20	52.60	4,208.00	109,408.00	55.22	4,417.60	114,857.60	57.98	4,638.40	120,598.40	60.88	4,870.40	126,630.40
Public Safety Dispatcher Supervisor	57.90	4,632.00	120,432.00	60.79	4,863.20	126,443.20	63.83	5,106.40	132,766.40	67.01	5,360.80	139,380.80	70.37	5,629.60	146,369.60
Red Light Photo Enforcement Technician	41.63	3,330.40	86,590.40	43.71	3,496.80	90,916.80	45.90	3,672.00	95,472.00	48.19	3,855.20	100,235.20	50.61	4,048.80	105,268.80
Vehicle Abatement Officer	34.29	2,743.20	71,323.20	35.99	2,879.20	74,859.20	37.80	3,024.00	78,624.00	39.70	3,176.00	82,576.00	41.67	3,333.60	86,673.60

Salary Schedule Effective 7/01/2026

	Step 1			Step 2			Step 3			Step 4			Step 5		
Job Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Animal Control Officer	44.40	3,552.00	92,352.00	46.63	3,730.40	96,990.40	48.96	3,916.80	101,836.80	51.41	4,112.80	106,932.80	53.98	4,318.40	112,278.40
Community Service Officer	44.91	3,592.80	93,412.80	47.14	3,771.20	98,051.20	49.50	3,960.00	102,960.00	51.98	4,158.40	108,118.40	54.59	4,367.20	113,547.20
Police Officer	66.27	5,301.60	137,841.60	69.58	5,566.40	144,726.40	73.06	5,844.80	151,964.80	76.71	6,136.80	159,556.80	80.55	6,444.00	167,544.00
Police Records Supervisor	50.08	4,006.40	104,166.40	52.58	4,206.40	109,366.40	55.21	4,416.80	114,836.80	57.97	4,637.60	120,577.60	60.88	4,870.40	126,630.40
Police Sergeant	80.37	6,429.60	167,169.60	84.39	6,751.20	175,531.20	88.60	7,088.00	184,288.00	93.03	7,442.40	193,502.40	97.68	7,814.40	203,174.40
Property and Evidence Technician	43.31	3,464.80	90,084.80	45.48	3,638.40	94,598.40	47.74	3,819.20	99,299.20	50.15	4,012.00	104,312.00	52.65	4,212.00	109,512.00
Public Safety Clerk	42.26	3,380.80	87,900.80	44.37	3,549.60	92,289.60	46.59	3,727.20	96,907.20	48.91	3,912.80	101,732.80	51.37	4,109.60	106,849.60
Public Safety Dispatcher	52.59	4,207.20	109,387.20	55.23	4,418.40	114,878.40	57.98	4,638.40	120,598.40	60.88	4,870.40	126,630.40	63.92	5,113.60	132,953.60
Public Safety Dispatcher Supervisor	60.80	4,864.00	126,464.00	63.83	5,106.40	132,766.40	67.02	5,361.60	139,401.60	70.36	5,628.80	146,348.80	73.89	5,911.20	153,691.20
Red Light Photo Enforcement Technician	43.09	3,447.20	89,627.20	45.24	3,619.20	94,099.20	47.51	3,800.80	98,820.80	49.88	3,990.40	103,750.40	52.38	4,190.40	108,950.40
Vehicle Abatement Officer	35.49	2,839.20	73,819.20	37.25	2,980.00	77,480.00	39.12	3,129.60	81,369.60	41.09	3,287.20	85,467.20	43.13	3,450.40	89,710.40

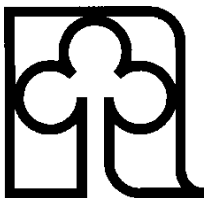
Attachment B

CITY OF NEWARK SALARY SCHEDULES (Page 2 of 2)

Salary Schedule Effective 7/01/2027

	Step 1			Step 2			Step 3			Step 4			Step 5		
Job Classification	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual	Hourly	Biweekly	Annual
Animal Control Officer	45.95	3,676.00	95,576.00	48.26	3,860.80	100,380.80	50.67	4,053.60	105,393.60	53.21	4,256.80	110,676.80	55.87	4,469.60	116,209.60
Community Service Officer	46.48	3,718.40	96,678.40	48.79	3,903.20	101,483.20	51.23	4,098.40	106,558.40	53.80	4,304.00	111,904.00	56.50	4,520.00	117,520.00
Police Officer	69.58	5,566.40	144,726.40	73.06	5,844.80	151,964.80	76.71	6,136.80	159,556.80	80.55	6,444.00	167,544.00	84.58	6,766.40	175,926.40
Police Records Supervisor	51.83	4,146.40	107,806.40	54.42	4,353.60	113,193.60	57.14	4,571.20	118,851.20	60.00	4,800.00	124,800.00	63.01	5,040.80	131,060.80
Police Sergeant	84.39	6,751.20	175,531.20	88.61	7,088.80	184,308.80	93.03	7,442.40	193,502.40	97.68	7,814.40	203,174.40	102.56	8,204.80	213,324.80
Property and Evidence Technician	44.83	3,586.40	93,246.40	47.07	3,765.60	97,905.60	49.41	3,952.80	102,772.80	51.91	4,152.80	107,972.80	54.49	4,359.20	113,339.20
Public Safety Clerk	43.74	3,499.20	90,979.20	45.92	3,673.60	95,513.60	48.22	3,857.60	100,297.60	50.62	4,049.60	105,289.60	53.17	4,253.60	110,593.60
Public Safety Dispatcher	55.22	4,417.60	114,857.60	57.99	4,639.20	120,619.20	60.88	4,870.40	126,630.40	63.92	5,113.60	132,953.60	67.12	5,369.60	139,609.60
Public Safety Dispatcher Supervisor	63.84	5,107.20	132,787.20	67.02	5,361.60	139,401.60	70.37	5,629.60	146,369.60	73.88	5,910.40	153,670.40	77.58	6,206.40	161,366.40
Red Light Photo Enforcement Technician	44.60	3,568.00	92,768.00	46.82	3,745.60	97,385.60	49.17	3,933.60	102,273.60	51.63	4,130.40	107,390.40	54.21	4,336.80	112,756.80
Vehicle Abatement Officer	36.73	2,938.40	76,398.40	38.55	3,084.00	80,184.00	40.49	3,239.20	84,219.20	42.53	3,402.40	88,462.40	44.64	3,571.20	92,851.20

Salaries are based on a 40-hour workweek for non-sworn NPA employees. Salaries listed for sworn NPA employees are based upon workweeks as defined in MOU



CITY OF NEWARK

PERSONNEL RULES AND REGULATIONS

Resolution No. 3513 as amended by Resolutions No. 6466 (5/92), No. 6616 (1/93), No. 6665 (5/98), No. 6844 (1/94), No. 7164 (2/96), No. 7420 (6/97), No. 9662 (12/09), No. 9687 (2/10), No. 9695 (3/10), No. 9820 (3/11), No. 10416 (9/15), No. 11345 (5/22), No. 11652 (6/24).

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CITY OF NEWARK
PERSONNEL SYSTEM RULES AND REGULATIONS

RULE I
PURPOSE AND DEFINITIONS

RULE I-A PURPOSE

The objectives of these rules are to facilitate efficient and economical services to the public and to provide for a fair and equitable system of personnel management in the municipal government.

These rules set forth in detail those procedures which ensure similar treatment for those who compete for original employment and promotion, and define the obligations, rights, privileges, benefits and prohibitions which are placed upon all employees in the Competitive Service of the City.

At the same time, within the limits of administrative feasibility, recognition shall be given to the fact that individuals differ, that no two individuals react alike to reward and discipline or to uniform motivation and encouragement. For this reason, considerable latitude shall be given to the Personnel Officer in the execution of their duties and responsibilities relating to employee morale and discipline.

RULE I-B DEFINITION OF TERMS

The terms used in these Rules shall have the same meaning as defined below:

(a) Advancement in salary: a salary increase within the limits of a salary range established for a classification.

(b) Advancement in Classification Series: advancing from one level to a higher level within the same, flexibly staffed, classification series.

(c) Allocation: the assignment of a single position to a specific classification in accordance with the duties performed and the authority and responsibilities exercised.

(d) Anniversary Date: the date used to compute eligibility for salary advancement or other changes in status, as established in the provisions of these Rules.

(e) Candidate: an applicant participating in the selection process.

(f) Classification: a position or group of positions with duties and responsibilities so similar that the same title, example of duties,

Resolution No. 3513
as amended by Resolutions No. 6466 (5/92), No. 6616 (1/93), No. 6665 (5/93), No. 6844 (1/94), No. 7164 (2/96, No. 7420 (6/97), No. 9662 (12/09), No. 9687 (2/10), No. 9695 (3/10), No. 9820 (3/11), No. 10416 (9/15), No. 11345 (5/22), No. 11652 (6/24).

qualifications, and salary range can be applied with equity.

(g) Clerical Employee: shall be specifically defined as any employee in the following classification: Administrative Support Specialist I, II and Senior, Administrative Assistant, Executive Assistant, Public Safety Clerk, Senior Public Safety Clerk, and other related classifications as designated by the Personnel Officer.

(h) Close Relative: husband, wife, domestic partner, son, daughter, sister, brother, mother, father, stepfather, stepmother, grandparent, grandchild, mother-in-law, father-in-law, sister-in-law, brother-in-law, son-in-law, daughter-in-law, or grandparent-in-law.

(i) Competitive Service: the positions specified in the Classification Plan as being in the competitive service.

(j) Demotion: the change in status of an employee from a position in one classification to a position in a different classification having a lower maximum rate of salary.

(k) Eligible List: a list of names of persons who are eligible for appointment to a particular classification pursuant to the Rules.

(l) Examination: any test or combination of tests used to measure particular qualifications of applicants for a position.

(m) Exempt Service: the positions, officials, and employees generally not subject to the provisions of Rules and the resolutions adopted pursuant thereto, as set forth in the Personnel Ordinance.

(n) Regular Employee: an employee who has successfully completed the probationary period and has been retained as provided in these Rules.

(o) Personnel Ordinance: City of Newark, California Ordinance No. 77 which creates a personnel system for the City.

(p) Probationary Period: a working, on-the-job test period during which an employee is required to demonstrate fitness for the duties of the position to which the employee was appointed by actual performance of the duties of the position.

(q) Promotion: the change in status of an employee from a position in one classification to a position in a different classification having a higher maximum rate of salary.

(r) Reclassification: the change in allocation of an individual position in one classification to another classification, on the basis of significant change in the kind or difficulty of duties and responsibilities of the initial position.

(s) Reduction in salary: a decrease in salary, within the salary range established for classification.

(t) Regular Part-Time Appointment: an appointment to a position that is scheduled to work less than the standard work week for a full-time employee on a year-round continuous basis for an unspecified period of time.

(u) Reinstatement: the re-employment of a former regular employee from a reinstatement list.

(v) Seniority: an employee's accumulated time spent in active service to the City, during which the employee was maintained on the City payroll, excluding that time spent on leave of absence as provided in these Rules.

(w) Suspension: the temporary separation of an employee from the service without salary for disciplinary purposes.

(x) Temporary Appointment: an appointment of a person to a position for a limited period of time. Temporary appointments may be for a limited term not to exceed six (6) months per fiscal year, casual term not to exceed 1000 hours per fiscal year, or an extended term not to exceed five years. Temporary employees are exempt from competitive service of the City.

(y) Transfer: the change in status of an employee from one position in a classification to another position in the same or a different classification having essentially the same salary range, requiring the performance of similar duties, and the same basic qualifications.

(z) Working Day: a day during which the employee is or would have been regularly scheduled to report to work.

RULE II
GENERAL PROVISIONS

Section 1 MEMORANDUM OF UNDERSTANDING

In the event that any provisions of these Rules concerning matters within the scope of representation as set forth in the Employer-Employee Relations Ordinance No. 115 of the City of Newark, California, conflict with any provisions in any Memorandum of Understanding approved by the City Council and in effect between the City and a formally recognized employee organization, the terms of the Memorandum of Understanding shall prevail.

Section 2 VIOLATION OF RULES

Violations of the provisions of these rules shall be grounds for dismissal, rejection,

suspension, or other disciplinary action.

Section 3 APPLICATION OF RULES

Unless specified in the content, these Rules shall be applied to all positions and employees in the competitive service of the City of Newark. Unless otherwise specified, these Rules do not apply to exempt employees.

Section 4 OUTSIDE EMPLOYMENT

No member of the competitive or exempt service shall accept or continue employment from an entity other than the City of Newark without specific approval of the City Manager. The City Manager may approve outside employment where they find it creates no substantial conflict with the City of Newark employment. Members of the competitive service employed on the effective date of this resolution shall have 60 days within which to comply with the resolution.

Section 5 CONFLICT OF INTEREST – COUNCIL AND CITY MANAGER

A close relative of any member of the City Council or the City Manager shall not be appointed to any regular or exempt position with the City. An application for employment of any close relative of any members of the City Council shall not be accepted until the end of one year following the termination of service of that member of the City Council.

Conflict of interest rules applicable to exempt and non-exempt employees are provided by internal policy.

Section 6 AMENDMENT OF RULES

Amendments and revisions shall become effective upon adoption of a resolution by the City Council.

RULE III
CLASSIFICATION

Section 1 PREPARATION OF PLAN

The Personnel Officer, or a person or agency employed, retained or contracted with for that purpose, shall ascertain and record the duties and responsibilities of all positions in the competitive service and all other positions they deem it desirable to include, and after consultation with heads of departments affected, shall recommend a classification plan for such positions. The classification plan shall consist of classes of positions in the competitive service and any other positions the Personnel Officer deems it desirable to include defined by class responsibilities of positions in each class, the probationary period, a statement of the training, experience and other qualifications to be required of applicants for positions in each class. The classification plan shall be so

developed and maintained that all positions substantially similar with respect to duties, responsibilities, authority, and character of work are included within the same class, and that the same schedules of compensation may be made to apply equitably under like working conditions to all positions in the same class.

Section 2 ADOPTION OF PLAN

The Classification Plan was established and approved by the City Council on February 28, 1963 (Resolution No. 943) and became effective March 11, 1963. The provisions of the classification plan shall be observed in the handling of all personnel actions and activities. The classification plan shall be amended or revised as occasion requires.

Section 3 ALLOCATION OF POSITIONS

Following the adoption of the classification plan, the Personnel Officer shall allocate every position in the competitive service to one of the classes established by the plan.

Section 4 NEW POSITIONS

No person shall be appointed or employed to fill any position until the classification plan has been amended and an appropriate eligible list has been established for such position.

Section 5 RECLASSIFICATION

Positions, the duties of which have changed materially so as to necessitate reclassification, shall be allocated by the Personnel Officer to a more appropriate class, whether new or already created, in the same manner as originally classified and allocated. Reclassification shall not be used for the purpose of avoiding restrictions surrounding demotions and promotions.

Section 6 AMENDING THE CLASSIFICATION PLAN

The City Manager or designee may create new classes or abolish existing classes. The Personnel Officer or designee may revise existing classes.

RULE IV
COMPENSATION

Section 1 PREPARATION OF PLAN

The Personnel Officer or the person or agency employed, retained or contracted with for that purpose shall prepare a compensation plan covering all classes of positions in the competitive service and any other positions they deem desirable to include not covered by Memoranda of Understanding as provided in City of Newark Ordinance No. 115 establishing a system for Employer-Employee Relations. This plan shall cover the minimum and maximum rates of pay, employee benefits payable, and hours of work for

the classifications covered.

Section 2 APPROVAL OF COMPENSATION LEVELS

The City Council shall, by resolution, implement a compensation plan for classifications not represented by a recognized bargaining unit or arrived at through meeting and conferring with recognized bargaining units, specifying the compensation levels for all classifications in the competitive and exempt service of the City of Newark. No position shall be assigned a salary higher than the maximum or lower than the minimum salary provided for that classification unless the compensation level is amended by a subsequent City Council resolution.

Section 3 ONLY AUTHORIZED COMPENSATION

No member of the competitive service shall accept anything of value for the performance of his/her official duties and acts or other acts performed while at work for the City of Newark except compensation duly authorized by the City Council.

Section 3 OATH OF OFFICE

No compensation shall be paid to any employee who has not executed or affirmed an oath of office.

RULE V
APPLICATIONS AND APPLICANTS

Section 1 ANNOUNCEMENT OF EXAMINATION

When necessary to establish an eligibility list, the Personnel Officer shall prepare a job announcement which shall specify the position title, nature of duties, minimum qualifications, rate of compensation, application procedure, and other pertinent information. Suitable and effective methods of distributing information relative to job openings to secure the most qualified candidates available for competition shall be practiced.

Section 2 MINIMUM QUALIFICATIONS

The minimum qualifications established by the Personnel Officer in recruitment for a position in the competitive service shall be those shown for the classification in the Classification Plan.

Section 3 DISQUALIFICATION

The Personnel Officer shall reject any applicant before, during, or after examination for the following reasons:

(a) Indication on the face of the application that the applicant does not

possess the minimum qualifications required for the position.

(b) False statement of material fact or actual or attempted deception, fraud or misconduct in connection with the application or examination.

(c) Failure to file the application prior to the expiration of the application deadline.

Whenever an application is rejected, notice of such rejection with statement of reason for the rejection shall be made to the applicant. Defective applications may be returned to the applicant with notice to amend the same, providing the time limit for receiving applications has not expired.

RULE VI
EXAMINATIONS

Section 1 NATURE AND TYPES OF EXAMINATIONS

The examination process shall be impartial, of a practical nature, and shall relate to those subjects which in the opinion of the Personnel Officer fairly measure the relative capacities of persons examined to execute the duties and responsibilities of the position to which they seek appointment.

In examining persons for positions in the competitive service, promotional, open, and continuous examinations may be used when practical and consistent with the best interest of the service.

Examinations shall consist of selection techniques which test fairly the qualifications of candidates, such as but not necessarily limited to achievement and aptitude tests, other written tests, personal interviews, performance tests, physical agility tests, evaluation of daily work performance, work samples, medical tests, psychological tests, successful completion of prescribed training, or any combination of these or other tests except as limited by applicable State law. The probationary period shall be considered as an extension of the examination process.

Section 2 PROMOTIONAL EXAMINATIONS

Candidates for promotional examinations must possess minimum qualifications required for the new position. Only competitive service employees or former employees who were subject to layoff within the last 24 months who meet the requirements set forth in the promotional examination announcements may compete in the promotional examination.

Promotional examinations may include the types of tests listed in Section 1 of this Rule, evaluations of actual performance appraisals of promotional potential, and accomplishments of the candidate in special training courses.

Section 3 SCORING

The Personnel Officer shall establish the lowest qualifying score on individual tests or the entire examination in accord with the needs of the service. The Personnel Officer may include as part of the examination tests which are qualifying only.

Failure in any one part of the examination may be grounds for declaring such applicant as failing in the entire examination or as disqualified for subsequent parts of the examination, if such fact is stated in the examination announcement.

The overall scoring of an examination shall be in accord with the method of scoring specified in the examination announcement.

Section 4 NOTIFICATION OF EXAMINATION RESULTS

Each candidate in an examination shall be given written notice of the results thereof.

RULE VII
ELIGIBLE LIST

Section 1 ESTABLISHMENT

The Personnel Officer shall prepare and maintain eligible lists consisting of the names of candidates who qualified in the examination.

Section 2 TYPES OF ELIGIBLE LISTS

Eligible lists shall be of three types:

(a) Open Lists. These lists consist of eligible candidates who have successfully competed in an examination open to any person.

(b) Promotional Lists. These lists consist of City employees or former employees who were subject to layoff within the last 24 months who have successfully competed in a promotional examination.

(c) Reinstatement Lists. These lists consist of persons who have been separated from service as the result of a reduction in work force (lay-off).

Refer to Rule XIII, Section 4 for information pertaining to the reinstatement list.

Section 3 DURATION OF ELIGIBLE LISTS

Eligible lists shall remain in effect for a minimum period of six (6) months, unless sooner exhausted or abolished by the Personnel Officer. Eligible lists may be extended up to a maximum of two (2) years.

Whenever there are three (3) or fewer candidates on an eligible list, the Personnel Officer may abolish that list. Multiple active eligible lists may be created for the same classification in which the recruitment is continuous, to provide for one open and one promotional eligible list for each classification or unique positions utilizing the same classification but with varying functions within the City. No more than two active lists, one open and one promotional, shall exists for the same classification and/or unique functional position.

Section 4 REMOVAL OF NAME FROM ELIGIBLE LIST

This section applies to open and promotional lists only. Refer to Rule XIII, Section 4 for information pertaining to reinstatement lists.

Names of candidates may be removed from an eligible list by the Personnel Officer for any of the following reasons:

(a) Upon written request of the candidate.

(b) Upon evidence that the candidate cannot be located via the contact information provided by the candidate.

(c) Failure of the candidate to respond to an inquiry within the designated time.

(d) Failure to accept an offer of appointment.

(e) Termination of an employee whose name is on a promotional eligible list.

(f) Failure of background investigations or polygraph examinations. (Polygraph examinations are used for certain public safety positions only)

(h) Appointment from the eligible list to a regular full-time status position.

(i) Failure to pass the medical examination or psychological examination following a conditional offer of employment.

(j) Upon recommendation from the hiring department after an interview determining their knowledge, skills, and/or abilities do not meet minimum qualifications.

Section 5 ALTERNATE ELIGIBLE LIST

If a vacancy exists in a class for which there is no reinstatement list, open eligible list, promotional eligible list, or there are less than three candidates available on an open or promotional eligible list, the Personnel Officer may prepare an appropriate eligible list for the class from one or more existing eligible lists. For this purpose, the Personnel Officer shall select eligible lists for classes for which minimum qualifications and examinations are similar to or higher than those required for the class in which the vacancy exists.

RULE VIII
APPOINTMENT

Section 1 APPOINTMENT AUTHORITY

If a position vacancy in the competitive service is to be filled, the department head shall notify the Personnel Officer in the manner prescribed. If the vacancy is to be filled and there is no reinstatement list, the Personnel Officer shall decide how to fill the vacancy according to applicable Rules, regulations, and Memoranda of Understanding.

Section 2 APPOINTMENT FROM ELIGIBLE LIST

When it is the decision of the Personnel Officer to fill a position vacancy by appointment from an eligible list, and there is no reinstatement list for the position classification, the Personnel Officer shall certify an open or promotional eligible list to the department head. The names of candidate will appear alphabetically. under a qualification category based on final examination scores. The Personnel Officer shall determine the appropriate grouping of candidates under qualification categories based on final examination scores. The appointing authority may appoint any eligible candidate on an open or promotional list regardless of rank or final score.

A candidate on an eligible list may request to be waived from consideration for a particular vacancy for reasons satisfactory to the Personnel Officer. Satisfactory reasons may include but are not limited to medical, family leave, or completion of education or a specialized training program. If the reasons for the request for waiver are not approved by the Personnel Officer, then the eligible candidate's name shall be removed from the eligible list. Waivers must be filed in writing with the Personnel Officer.

Section 3 PROMOTIONAL APPOINTMENTS

An employee who leaves a position to accept appointment to another classification shall be separated from the position they formerly held; provided, however, that any such employee, at the discretion of the Personnel Officer, within the probationary period, upon request and with approval of the department or departments concerned, may be reinstated in any vacancy in the same division and class from which they were separated. This section shall not preclude an employee from displacing an employee in the lower class from which the employee was promoted in the event of a reduction in work force provided the displacing employee has seniority rights over the employee in the lower classification. (Refer to Rule XIII)

Section 4 REGULAR FULL-TIME APPOINTMENT

Appointments to an authorized position budgeted on a full-time basis, 40 hours-a-week (or a full-time schedule equivalent), shall be made from an appropriate eligible list or through eligible reinstatement and shall be subject to the approval of the Personnel

Officer. Employees appointed on this basis shall be included in the competitive service of City employment, shall serve a probationary period, and shall receive all rights and benefits outlined in personnel policy documents and appropriate memoranda of understanding or compensation and benefit plans.

Section 5 REGULAR PART-TIME APPOINTMENT

Appointments to authorized positions budgeted and regularly scheduled for 20 hours or more per week (or a half-time or more schedule equivalent) but for less than 40 hours per week (or a full-time schedule equivalent) on a year-round continuous basis for an unspecified period of time, shall be made from an appropriate eligible list and shall be subject to the approval of the Personnel Officer.

Regular part-time employees appointed from an eligible list may be considered for appointment to a regular full-time position in the same classification subject to the approval of the City Manager. Service time earned as a regular part-time employee will be considered in calculating City seniority provided that the part-time service is contiguous with the full-time appointment.

Section 6 TEMPORARY APPOINTMENT

Temporary appointments may be designated as Limited Term, Temporary, or CalPERS Retired Annuitant or by emergency appointment. These designations are further defined in the City's regulations.

Temporary employees shall be considered exempt and may be terminated from employment with the City with or without cause or notice, at any time, at the will of the City in its sole discretion. Such action shall not be made in accord with the formal provisions of these Rules or the personnel ordinance.

With the exception of Limited Term designated employees, temporary employees receive no insurance, leave, or other benefits except those mandated by law.

Employees appointed on an extended temporary basis to a full-time position in the competitive service for a period of more than twelve months shall receive the same benefits as full-time employees in the same classification.

No special credit shall be allowed for service rendered under a temporary appointment except as provided in memoranda of understanding. Employees serving a temporary appointment shall be exempt from tenure, disciplinary proceedings, transfer, and removal provisions of these rules and from provisions regarding probation.

Section 7 EXEMPT SERVICE APPOINTMENT

The City Manager shall appoint, discipline, or dismiss persons in the exempt service.

Section 8 EMERGENCY APPOINTMENT

To meet the immediate requirements of an emergency condition such as an extraordinary fire, flood, or earthquake, or which threatens public life or property, any legally competent officer or employee may employ such persons as may be needed for the duration of the emergency without regard to the Municipal Code or Rules affecting appointment. As soon as possible, such appointment shall be reported to the Personnel Officer.

RULE IX
PROBATIONARY PERIOD

Section 1 OBJECTIVE

The probationary period shall be regarded as an intrinsic part of the examination process and shall be utilized for closely observing the employee's capability for performing the duties of the position. A probationary employee whose performance does not meet the required standards shall be released from employment. A person who has completed the probationary period as prescribed for their classification shall assume regular status in the competitive service.

Section 2 DURATION

All appointments to positions in the competitive service shall be subject to a probationary period. The regular probationary period shall be six (6) months but longer periods may be specified in individual classification descriptions and shall apply to all positions in that classification.

Section 3 REJECTION FOLLOWING PROMOTION

Any employee rejected for failure to meet the requirements of the position during the probationary period following a promotional appointment shall be re-instated to the position from which they were promoted unless disciplinary charges are filed and the employee is terminated from the competitive service.

Section 4 EXTENSION OF PROBATIONARY PERIOD

If a probationary employee is on leave of absence for more than twenty (20) working days cumulatively, the probationary period of that employee shall be extended for a period commensurate with the length of the leave of absence.

Probation may also be extended in order to provide additional time for training and skill evaluation. The maximum a probation period may be extended, in addition to a leave of absence extension as discussed above, is six months.

RULE X

ATTENDANCE AND LEAVES

Refer to the applicable Employment Contracts, Memorandum of Understanding and/or Compensation and Benefits Plan for the leaves entitled to employees in the competitive and exempt service. In addition to those specified, employees shall be entitled to additional leaves as provided in this Rule X.

Section 1 MILITARY LEAVE

Military leave shall be granted in accordance with the provisions of state and federal law. All employees entitled to military leave shall give the department head an opportunity within the limits of military regulations to determine when such leave shall be taken.

Section 2 LEAVE OF ABSENCE WITHOUT PAY

Leaves of absence without pay may be granted as follows:

(a) Human Resources will grant leaves of absence without pay upon the request of eligible employees in accordance with mandated protected leaves such as Military Leave (USERRA), Pregnancy Disability Leave (PDL), the Family and Medical Leave Act (FMLA), and the California Family Rights Act (CFRA).

(b) Human Resources will grant maternity leave with and/or without pay for up to a total of nine months in duration (including time covered by protected leaves) when the employee applies for such leave stating the intention to return to work and provides appropriate medical certification verifying the pregnancy. The nine months of maternity leave includes time off during PDL, FMLA, and CFRA and is not in addition to covered protected leave.

(c) Department heads may grant unprotected leaves of absence without pay upon the request of the employee for any purpose not contrary to the best interest of the City where such leave does not adversely affect the needs of City services, does not extend for more than seven consecutive calendar days, and does not occur in frequency more than twice in any calendar year.

(d) The City Manager may grant a leave of absence upon request of the employee and with the recommendation of the Department Head of up to one year beyond protected leaves, where such leave would not unduly affect the needs of City services, and that such leave would be of benefit to the City.

(e) Employees may request to keep a combined total of one week (up to forty hours depending on work schedule) of vacation/general leave and/or compensatory time off (CTO) subject to Memorandum of Understanding provisions and department head approval. The request must be made when requesting a leave of absence without pay for use after returning from leave.

Section 3 ATTENDANCE

Employees shall be in attendance at their work in accordance with the rules regarding hours of work, holidays, and leaves. Failure on the part of an employee, absent without leave, to return to duty within 24 hours after notice to return shall be cause for termination.

Notice of termination shall be given to the employee at the employee's address as shown on the employee's personnel record by U.S. mail postage prepaid, return receipt requested.

Section 4 JURY DUTY

Unless otherwise specified in the applicable Memorandum of Understating and/or Compensation and Benefit Plans, a full-time employee summoned to jury duty shall inform their supervisor, after receipt of such summons, and if required to serve, may be absent from duty with full salary.

Regular part-time employees, upon completion of 1,040 work hours or one year of continuous active service, whichever occurs first, who are summoned to jury duty and required to serve, may be absent from duty with pay as follows:

Work Schedule	Pay
20 – 25 work hours per week	4-5 hours of pay per day
30 - 35 work hours per week	6-7 hours of pay per day

Any jury duty pay other than mileage and subsistence received by the employee shall be remitted to the City.

RULE XI
COMPENSATION ADJUSTMENTS

Section 1 APPLICATION OF COMPENSATION RATES

Employees occupying a position in the competitive service shall be paid a compensation within the range established for that position's class under the Compensation Plan as provided by Rule V. The minimum rate for the class generally shall apply to employees upon original appointment. However, the Personnel Officer may, when Rule XIII or circumstances warrant it, appoint at other than the first step. Officers and employees re-employed after layoff shall receive a rate within the range established for the class which reflects his/her their relative position within the range at time of separation from the competitive service.

Section 2 ADVANCEMENT

No compensation advancement shall be made so as to exceed the maximum compensation rate established in the Compensation Plan for the class to which the employee's position is allocated. Advancement shall not be automatic, but shall depend upon increased service value of an employee to the City based on performance evaluations completed by their supervisor.

Employees whose pay is specified in a five-step pay range are eligible to be advanced to higher steps as merited by progressive improvement in job skills and work performance. The following time-in-step requirements shall apply before an employee gains eligibility for advancement in pay.

Step	Time-In-Step Required
1	(at appointment)
2	6 months at Step 1
3	12 months at Step 2
4	12 months at Step 3
5	12 months at Step 4

When an employee demonstrates outstanding performance of their duties, that employee may be advanced in pay prior to completion of the above time in step requirements.

If an employee is on leave of absence without pay for more than 30 days, the time on leave shall be deducted from the employee's accumulated time in step requirement.

Section 3 ANNIVERSARY DATE

Each employee shall have an anniversary date of the first of the month as follows: Employees appointed, promoted, reappointed, advanced in salary or otherwise the subject of a change in status, on or between the first and fifteenth day of the month inclusive, shall have the first day of that month as their anniversary date; employees appointed, promoted, reappointed, advanced in salary or otherwise the subject of change in status on or after the sixteenth and the last day of the month inclusive shall have the first day of the month immediately following as their anniversary date.

Section 4 WITHHOLDING ADVANCEMENT

Supervisors and their superiors have the authority and responsibility to recommend against an advancement in pay to the Personnel Officer if that advancement is not merited. Supervisors shall keep their employees informed about their job performance. Good work should be given proper recognition. Deficient work should be clearly communicated to an employee as soon as practical with an offer of guidance and assistance toward improvement.

Section 5 PROMOTION

When an employee is promoted, the employee shall receive the first step in the salary

range for the new position, which is closest to but not less than 5% above their current, base salary. Should 5% above current salary exceed the maximum of the new salary range, the employee shall be placed within the new range at the maximum salary available. If the salary range does not have steps, the employee shall be given a minimum increase of 5% in base salary.

When an employee who has been promoted is rejected for failure to meet the requirements of the position during the probationary period, that employee's salary shall revert to the same step or position in the salary range of the position prior to promotion.

Section 6 DEMOTION

When an employee is demoted for other than disciplinary reasons, that employee shall be placed at a salary step or position in the salary range in the new lower classification which is closest to the salary rate held prior to demotion.

Section 7 RECLASSIFICATION

When a position is reallocated to a classification with a higher salary range, an incumbent employee's salary shall be placed at the step or position in the new range closest to their present salary rate. In no case shall the employee be placed at a step or rate lower than present salary.

When a position is reallocated to a classification with a lower salary range, the incumbent employee shall continue at present salary rate, if their present salary is within range of the reallocated classification. If the present salary rate of an incumbent employee exceeds the maximum of the new range, that employee's salary shall be ”Y-rated” and the employee shall maintain their current salary until the salary of the reallocated classification advances to include the employee’s “Y-rated” salary, at which point the employee will move into the salary range of the reallocated classification.

The date of the reallocation shall become the new anniversary date.

Section 8 ATTACHMENT OF WAGES

All employees requiring wage attachments shall be charged with the City’s total administrative cost for processing any attachment of wages. Such charge shall be deducted from the employee’s paycheck from the City.

RULE XII
TRANSFER, PROMOTION, AND REINSTATEMENT

Section 1 TRANSFER

The Personnel Officer may transfer an employee from one position to another position in the same or comparable class. Transfer shall not be used for the purpose of avoiding the provisions of the personnel ordinance in these rules in regard to discipline, advancement, or reduction. No person shall be transferred to a position for which they

do not possess the minimum qualifications.

Section 2 PROMOTION

Insofar as practicable and consistent with the best interests of the service, all vacancies in the competitive service shall be considered to be filled by promotion from within the competitive service, after a promotional examination has been given and an eligible list established.

The Personnel Officer shall have the discretion to conduct an open competitive examination.

Section 3 REINSTATEMENT

With the approval of the Personnel Officer, an employee who has resigned with a good record may be reinstated within two years to their former position, if vacant, or to a vacant position in a class where they held permanent status.

RULE XIII
SEPARATION FROM THE SERVICE

Section 1 DISMISSAL

An employee in the competitive service may be dismissed by the City Manager. Department heads may be dismissed by the City Manager subject to the approval of the City Council. The procedure utilized to effect a dismissal shall be in accordance with applicable law.

Section 2 RESIGNATION

An employee wishing to leave the competitive service in good standing shall file with their supervising official, at least two weeks before leaving the service, a written resignation stating the effective date. The resignation shall be forwarded to the Personnel Officer. The resignation of an employee who fails to give notice shall be reported to the Personnel Officer by the department head immediately.

Section 3a. LAYOFF

The City Manager may lay off an employee or employees in competitive service because of material change in duties or organization or shortage of work or funds. In making such layoffs, the Personnel Reduction Procedure shall be utilized.

Section 3b. WORK SCHEDULE REDUCTIONS (REDUCTIONS IN WORK HOURS) IN LIEU OF LAYOFF1

For unrepresented employees and NAME employees, work schedules may be reduced in lieu of layoffs. The number of work schedule reductions and the amount of each reduction will be limited to the minimum needed to achieve budget reductions within each department and are not intended to affect the majority of the workforce.

When regular full-time positions are reduced, first consideration will be given to 30 to 35 hour weekly work schedules. Reductions from regular full-time to regular part-time schedules of 20 to 25 hours per week will be limited to situations in which 30 to 35 hour work weeks do not meet budgetary needs. Work schedule reductions also include the reduction of regular part-time schedules of 30 to 35 hours per week to regular part-time schedules of 20 to 25 hours per week. The Personnel Reduction Procedure shall be utilized in administering work schedule reductions in lieu of layoff.

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1 All references to work schedule reductions and rule/procedures regarding work schedule reductions in Rule XIII, Sections 3 and 4 apply to NAME, and unrepresented all regular City employees.

Section 4 PERSONNEL REDUCTION PROCEDURE

The Personnel Reduction Procedure shall be used whenever it becomes necessary to lay off a regular full-time or regular part-time employee from the competitive service or to reduce a limited number of employee work schedules in lieu of layoff because of shortage of work or funds, substantive change in duties or organization, curtailment or elimination of a public service activity, reorganization, or for other reasons.

(a) Notification

This procedure shall apply to regular full-time, regular part-time and probationary employees. Notice of layoff or work schedule reduction in lieu of layoff shall be given to the affected employee and the employee association (or employee group) representing the employee at least thirty (30) calendar days prior to the effective date of layoff or work schedule reduction. The layoff notice or notice of work schedule reduction in lieu of layoff shall include a statement that the employee may have displacement rights.

(b1) Order of Layoff

The order of layoff shall be by classification within a department. In each classification in which a layoff is to occur, employees in the classification within the department shall be laid off in the following order:

(1) Temporary employees
(2) Probationary employees
(3) Regular employees in the order specified in subsection (c) and (d).

(b2) Order of Work Schedule Reduction in Lieu of Layoff

The order of work schedule reduction in lieu of layoff shall be by classification within a department. In each classification in which such a work schedule reduction is to occur, employees in the classification within the department shall be subject to work schedule reduction as specified in subsection (c) and (d).

(c) Order of Layoff and Work Schedule Reduction in Lieu of Layoff for Regular Full-Time Employees

In any case in which there are two or more regular full-time employees in a full-time classification from which a layoff or work schedule reduction in lieu of layoff is to be made, the order of layoff or reduction shall be that the regular full-time employee with the least seniority in the classification within the department shall be laid off or subject to work schedule reduction first. The order of layoff or reduction for regular full-time clerical employees shall be that the employee with the least seniority in the classification shall be laid off or subject to work schedule reduction first, regardless of department assignment.

(d) Order of Layoff and Work Schedule Reduction in Lieu of Layoff for Regular Part-Time Employees

In any case in which there are two or more regular part-time employees in a regular part-time classification from which a layoff or work schedule reduction in lieu of layoff is to be made, the order of layoff or reduction shall be that the regular part-time employee with the least seniority in the classification within the department shall be laid off or subject to work schedule reduction first. The order of layoff or reduction for regular part-time clerical employees shall be that the employee with the least seniority in the classification shall be laid off or subject to work schedule reduction first, regardless of department assignment.

(e) Seniority

(1) For the purpose of a reduction in work force, seniority includes all periods of regular full-time, regular part-time, and probationary service at or above the classification level where layoff, displacement or work schedule reduction in lieu of layoff is to occur and time served on military leave from the City. Seniority for regular part-time employment shall be prorated based on authorized work schedule. Periods of time during which an employee was on leave of absence without pay shall not be included in the calculation of seniority. For the purpose of layoff only, employees represented by NAME shall include as service time an employee's unpaid absence up to one year resulting from layoff, industrial injury, or other approved medical leave.

(2) For the purpose of layoff only, an employee in a higher classification shall have seniority rights over other employees in the next lower job

classification in a classification series provided that the employee previously held regular full-time status in the lower classification. (Classification series shall be defined as a specific classification with different levels of complexity such as a I, II, III or senior level, e.g. Administrative Support Specialist I, Administrative Support Specialist II and Senior Administrative Support Specialist.)

(3) Employees appointed to regular part-time status on or before July 1, 1991 shall count service time in similar classifications prior to their regular part-time appointment when calculating job classification seniority.

(4) Regular full-time employees in a higher classification within a sworn police ladder shall have seniority rights over other employees in the next lower job classification in the career ladder provided that the employee previously held regular full-time status in the lower classification. (Career ladder shall be defined as the normal progression from an entry level position through the ranks of supervisor and management within a specific occupational group such as the sworn police career group.)

(5) Temporary and acting appointments to a classification shall not be construed as service in such classification.

(6) Whenever the effective date of appointment to a classification is the same for two or more employees, the date of appointment to the department, adjusted for unpaid leaves, shall be used to determine which employee has greater length of service within the classification. If classification and department seniority are the same, the original date of hire with the City, adjusted for unpaid leaves, shall be used to determine seniority.

(7) Whenever the appointment date to a classification and the original date of hire with the City are the same for two or more employees, the highest overall score achieved on the eligibility list shall be used to determine who has the higher seniority. If scores are equal or unavailable, the determination of seniority shall be by lottery.

(f) Displacement

A regular-full time and promotional probationary employee may displace (bump) employees within the same department (for purposes of layoff, Department shall be defined as those organizational units described as departments in the current year's budget or subsequently approved or recognized by City Council action) based on the following criteria:

(1) Regular full-time and promotional probationary employees shall have the right to displace (bump) employees in a lower full-time

classification within the same department provided the employee previously held regular full-time status in the lower classification. An employee in a clerical classification shall have the right to displace an employee in a lower level (lower in salary range) clerical classification in which they previously held regular status in any department.

(2) Regular part-time and promotional probationary employees shall have the right to displace (bump) employees in a lower part-time classification within the same department provided the employee previously held regular part-time status in the lower classification. An employee in a clerical classification shall have the right to displace an employee in a lower level (lower in salary range) clerical classification in which they previously held regular part-time status in any department.

Regular part-time employees who were subject to work schedule reduction in lieu of layoff that previously held regular full-time status for six consecutive months shall have the right to displace (bump) employees in a lower part-time or full-time classification within the same department (or in any department for clerical classifications) provided the employee previously held regular status in the lower classification.

(3) A regular full-time and promotional probationary employee shall have the right to displace (bump) a regular part-time employee in the same class or lower classification in the classification series within the same department (for clerical classes regardless of department) if the regular full-time employee has more seniority within the classification series. A regular part-time employee has no rights to displace a regular full-time employee unless the regular part-time employee was subject to work schedule reduction in lieu of layoff and previously held regular full-time status for six consecutive months. Classification seniority for regular part-time employees shall be prorated based on authorized work schedule.

(4) A regular full-time employee hired directly into a higher job classification in a classification series may displace an employee in a lower classification within the classification series if the regular full-time employee has more seniority within the classification series than the employee occupying the lower level class. (Refer to Section (e)(2) for definition of classification series.)

A regular part-time employee who was subject to work schedule reduction in lieu of layoff who previously held regular full-time status for six consecutive months and who was hired directly into a higher job classification in a classification series may displace an employee in a lower classification within the classification series if the regular part-time employee has more seniority within the classification series than

the employee occupying the lower class. (Refer to Section (e)(2) for definition of classification series).

(5) Displacement rights afforded an employee shall include access to those classifications in which the employee has previously served but which may since have been retitled but where, as determined by the City, no substantive changes have been made in the duties or qualifications for the classification(s) in question.

(6) An alternative to layoff would be a voluntary demotion to a lower vacant classification. If a vacant position exists, the City Manager shall have the discretion to demote an employee to such position. To qualify for such a demotion, the employee must be fully qualified, trained, and capable of performing all work in the lower position as determined by the City. The salary assignment shall be based on the City's assessment of the employee's level of qualification within the lower level position salary range.

An alternative to layoff would be a voluntary work schedule reduction by a regular full-time employee in a classification identified for layoff or reduction by a department (or in any department for clerical classifications). The City Manager shall have the discretion to approve or deny such voluntary work schedule reductions. The Personnel Reduction Procedure for Work Schedule Reductions in Lieu of Layoff will apply to approved voluntary work schedule reductions as an alternative to layoff.

(7) Current regular full-time and part-time employees in the Building, Equipment, Parks and Landscape, and Streets work groups of the Maintenance Division, who have successfully completed probation by March 31, 2011, and who meet the minimum qualifications for Laborer or Landscape Inspector shall have the right to displace (bump) employees in the Laborer or Landscape Inspector classification. This displacement right is in addition to other displacement rights that may exist in accordance with Rule XIII, Section 4(f).

(g) Request For Displacement and Determination of Salary

In order to displace to a former classification, an employee must request such action in writing to the Human Resources Department within seven calendar days of receipt of notice of layoff or work schedule reduction in lieu of layoff. An employee returning to a former classification shall be assigned to the step in the salary range for the lower classification that is closest to but does not exceed the employee's current rate of pay. In no case shall the salary be increased above that received by the employee in the class from which the employee is laid off.

(h) Reinstatement List

(1) Order The names of persons laid off, displaced due to bumping, or subject to work schedule reduction in lieu of layoff in accordance with the Personnel Reduction Procedure shall be entered upon a Reinstatement List in the inverse order in which the layoff or reduction occurred. There shall be separate lists for regular full-time and regular part-time classifications. Lists from different times for the same classification shall be combined into a single list.

The names of persons subject to work schedule reductions in lieu of layoff shall be placed on a reinstatement list for full-time status or an increased work schedule in the same classification.

(2) Duration Names of persons laid off from their appointed position, displaced due to bumping, or subject to work schedule reduction in lieu of layoff shall be carried on a Reinstatement List for two years except that persons appointed to regular positions of the same classification and status as that from which laid off or reduced in hours shall, upon such appointment, be removed from the list. Employees who accept demotion or are recalled to a lower classification shall remain on the list for the higher classification until the list expires. Full-time employees who accept or are recalled to a part-time position shall remain on the list for recall to the regular full-time class from which laid off until the list expires.

(3) Recall Appointments shall be made from the Reinstatement List in the order they appear on the list when a vacancy arises in the same classification and department, provided the employee held regular status in that classification before selection is made from an eligible list. If there are no such employees available for reinstatement, a department shall appoint the next qualified employee on the Reinstatement List who previously held regular status in that classification.

Employees laid off, displaced due to bumping, or subject to work schedule reduction in lieu of layoff from clerical classifications shall be recalled or given increased work hours in inverse order of layoff or work schedule reduction when a vacancy arises in the same classification in any department.

Reinstatement may be subject to passing a medical examination if the layoff period exceeds twelve months.

Any person who does not respond within fourteen (14) calendar days to a letter offering reinstatement sent registered mail (return receipt requested) addressed to their last known address shall be removed from the list. If an employee elects to become reinstated, they shall report to work or return to an increased work schedule within thirty (30)

calendar days from notice to City that they will return to work.

An employee who is laid off or subject to work schedule reduction in lieu of layoff, when offered reinstatement, who is unable to accept due to medical reasons as certified by a physician, following the City engaging in the interactive process with the goal to return the employee to work, the employee may be granted an additional thirty (30) calendar days to report to work or return to an increased work schedule. When an employee is unable to return to work or return to an increased work schedule due to a medical condition within the sixty (60) calendar day period, the City shall recall the next employee on the Reinstatement List and the other former employee's name shall remain on the List and eligible for recall for the remaining duration of the two year period.

If an employee declines reinstatement to a regular position of the same classification and status or fails to report for work within the thirty (30) calendar day period, except for medical condition as specified herein, the employee's name shall be removed from the Reinstatement List and the City shall have no further obligation for employment.

(i) Reinstatement Rights for Regular Full-Time and Regular Part-Time Employees

(1) An employee reinstated from a layoff or work schedule reduction in lieu of layoff reinstatement list within two years of the effective date of layoff or reduction shall retain cumulative service credited as of the date of layoff or reduction for purposes of determining seniority in the event of future layoffs and other matters based on City seniority.

(2) Reinstatement after a twelve (12) month absence may be subject to passing a medical examination.

(3) Upon reinstatement from layoff, an employee shall resume accrual of vacation at the rate which corresponds to their years of service on the date of separation from employment. An employee's unused sick leave balance or sick leave bank balance, if any and as applicable, on the date of separation shall be restored.

(4) The period of time during which the employee is on unpaid status shall not count toward service credit. However, employees represented by NAME, shall receive service credit for unpaid absence or for the reduction in work hours in lieu of layoff up to one year (prorated for reductions) caused by layoff or reductions in lieu of layoff for purposes of seniority in determining layoffs or work schedule reductions only.

(5) Upon reinstatement to the same classification from which laid off, an employee shall be placed at the same salary step which the employee occupied on the date of separation from employment. Management and professional employees reinstated to the same classification shall receive the same salary step or range they received at the time layoff occurred.

(j) Reemployment

At the discretion of the City Manager, a regular full-time or regular part-time employee may be reemployed or restored to an increased work schedule more than two years but less than four years after the effective date of layoff, displacement or work schedule reduction. An employee so reemployed or restored shall have the benefit of being appointed without having their name appear on an eligibility list. Reemployment may be subject to passing a medical examination. Any employee reemployed more than two years but less than four years after the effective date of layoff shall have no vested interest in or be entitled to any benefits accrued during any previous employment with the City with the exception of PERS retirement benefits which may remain vested after five (5) years of continuous service. Upon reemployment from layoff, the employee shall be treated as a new hire.

RULE XIV
COOPERATION

Section 1 COOPERATION OF MUNICIPAL OFFICERS AND EMPLOYEES

Every officer and employee of the City of Newark shall cooperate with the Personnel Officer in order to completely fulfill the objectives and purposes of the personnel ordinance and these rules.

RULE XV
ADMINISTRATIVE REGULATIONS

Section 1 CITY MANAGER

The City Manager is hereby authorized to issue Administrative Regulations implementing personnel and other rules.

Section 2 DEPARTMENTAL REGULATIONS

Department heads are hereby authorized to issue departmental regulations in concert with Administrative Regulations adapting those regulations, the Personnel ordinance and/or Personnel Rules to the operation of their specific department.

STAFF REPORT

Item D. 5.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Michael Carmen, Assistant Engineer
SUBJECT	Approve the specifications and adopt a resolution awarding a contract to Villalobos & Associates, Inc. for 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 and 2025 Citywide Accessible Ramps Project No. CIPA10001

SUMMARY AND RECOMMENDATION

The 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 and 2025 Citywide Accessible Ramp Project No. CIPA10001 are annual concrete maintenance projects that the City prepares specifications for, publicly advertises, and invites sealed bids for the construction of the public improvements. The invitation to bid was publicly advertised in the Tri City Voice and numerous builders exchange organizations throughout Northern California for three weeks.

Bids for the combined 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 and 2025 Citywide Accessible Ramps Project No. CIPA10001 were opened on July 1, 2025. The low monetary bidder, Villalobos & Associates, Inc., provided a responsive bid, is experienced in these type of projects, and is a responsible contractor.

Staff recommends that the City Council, by motion, approve the specifications and, by resolution, award the contract to Villalobos & Associates, Inc., in the amount of $709,800. Staff also recommends including an additional $71,200 in construction contingency, bringing the recommended allocation for the project to $781,000.

BACKGROUND

In contrast to previous years, the 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 and 2025 Citywide Accessible Pedestrian Ramp Project No. CIPA10001 will be combined, utilizing the same contractor and awarding a single contract for both projects. Combining the two projects into a single contract allows for better unit prices for materials and reduced operational/mobilization costs. A single contract for both projects also allows for efficient project management and streamlines the procurement process, saving time in contract award.

The 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 will remove and replace damaged concrete at various locations Citywide. The City typically conducts annual concrete repair/replacement projects to address areas of damaged curb, gutter, driveway, and sidewalk that were either identified in the field by staff or submitted as requests from residents. There will be a total of one-hundred and twenty-four (124) locations Citywide that will require concrete repair as part of the 2025 Curb, Gutter, Sidewalk Replacement Project No.

CIPA10007. The locations selected for repair were based on the severity of damage as defined in the City's curb, gutter, and sidewalk repair/replacement program.

The 2025 Citywide Accessible Ramps Project No. CIPA10001 will upgrade accessible pedestrian ramps, also known as curb ramps, on streets selected to receive an asphalt concrete pavement overlay in the summer of 2026. The upgrade of existing curb ramps will satisfy current Americans with Disability Act (ADA) mandates which require streets receiving an asphalt concrete pavement overlay to upgrade all existing curb ramps or install new curb ramps if they are not present. There will be a total of sixty-four (64) curb ramps that will be upgraded as part of the 2025 Citywide Accessible Ramps Project No. CIPA10001.

DISCUSSION/ANALYSIS

Bids for the 2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 and 2025 Citywide Accessible Ramps Project No. CIPA10001 were opened on July 1, 2025. The City received a total of sixteen (16) bids as follows:

	Contractor	2025 Curb, Gutter, Sidewalk Replacement Project No. CIPA10007 Total Bid "A"	2025 Citywide Accessible Ramps Project No. CIPA10001 Total Bid "B"	Total Bid "A" Plus Total Bid "B" (Combined Projects)
1	**Villalobos & Associates, Inc.**	**$353,800.00**	**$356,000.00**	**$709,800.00**
2	Always Paving Inc.	$238,446.50	$499,553.50	$738,000.00
3	Bosco Construction Services	$410,626.37	$359,774.90	$770,401.27
4	Spencon Construction	$393,550.00	$389,000.00	$782,550.00
5	*CF Contracting, Inc.	$382,400.00	$402,000.00	$784,400.00
6	O'Connor Pipelines	$384,700.00	$420,000.00	$804,700.00
7	Rapid Grading Services	$355,728.00	$461,272.00	$817,000.00
8	Sposeto Engineering, Inc.	$407,090.00	$436,200.00	$843,290.00
9	Zara Construction Inc.	$348,250.00	$495,800.00	$844,050.00
10	McKim Corporation	$410,405.50	$526,300.00	$936,705.50
11	J.J.R Construction, Inc.	$457,277.00	$514,040.00	$971,317.00
12	E.E. Gilbert Construction	$477,615.60	$532,345.76	$1,009,961.36
13	D's General Engineering	$545,250.00	$470,900.00	$1,016,150.00
14	Golden Bay	$521,610.00	$535,684.00	$1,057,294.00

15	FBD Vanguard Construction, Inc.	$577,183.00	$585,700.00	$1,162,883.00
16	Kerex Engineering	$503,500.00	$660,000.00	$1,163,500.00

The project proposal submitted by CF Contracting, Inc. was rejected due to the expiration of their registration with the Department of Industrial Relations (DIR). Under California Labor Code Section 1771.1, all contractors bidding on this project are required to have registration up-to-date with the DIR at the scheduled bid opening.

As stated in the Project Specifications, determination of the low monetary bidder was based on the total bid (Total Bid “A” (CIPA10007) Plus Total Bid “B” (CIPA10001)). The lowest monetary bidder, Villalobos & Associates, Inc., submitted a responsive bid and is experienced in this type of project.

Start of construction is tentatively scheduled for the end of summer 2025 and project completion is tentatively scheduled for the end of fall 2025. At the completion of the project, the City will accept the project in accordance with the Project Specifications.

FISCAL IMPACT

Sufficient funding is available in the 2024–2026 Biennial Budget and Capital Improvement Program. Funding sources include:

- Fund 284 – Measure BB (ACTC) – Local Streets and Roads: $530,000 appropriated to Project No. CIPA10001
- Fund 281 – Measure B (ACTC) – Local Streets and Roads: $365,264 appropriated to Project No. CIPA10007

These combined appropriations are sufficient to fully fund the proposed $781,000 allocation.

ENVIRONMENTAL/PLANNING COMMISSION REVIEW

The repair and maintenance of existing facilities is categorically exempt under the California Environmental Quality Act (CEQA) section 15301 (Existing Facilities).

REVIEW AND APPROVAL

Prepared by – Michael Carmen, Assistant Engineer
Reviewed by – Scott D. Alman, Contract Acting City Engineer
Reviewed by – Howard Young, Public Works Director
Reviewed by – Krysten Lee, Finance Director
Reviewed by – Kristopher J. Kokotaylo, City Attorney
Approved by – David J. Benoun, City Manager

Attachments

Resolution 2025 Concrete Projects

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK AWARDING A CONTRACT TO VILLALOBOS & ASSOCIATES, INC. FOR 2025 CURB, GUTTER, SIDEWALK REPLACEMENT PROJECT NO. CIPA10007 AND 2025 CITYWIDE ACCESSIBLE PEDSTRIAN RAMP PROJECT NO. CIPA10001

WHEREAS, the City of Newark solicited bids for the 2025 Curb, Gutter, Sidewalk Replacement Project (Project No. CIPA10007) and the 2025 Citywide Accessible Pedestrian Ramps Project (Project No. CIPA10001); and

WHEREAS, on July 1, 2025, sixteen (16) bids were received and opened in accordance with the City's procurement procedures and applicable laws; and

WHEREAS, Villalobos & Associates, Inc. submitted the lowest responsive and responsible bid in the total amount of $709,800; and

WHEREAS, staff recommends including a ten percent (10%) construction contingency in the amount of $71,200 to cover unanticipated project costs such as material testing and other unforeseen field conditions; and

WHEREAS, the total recommended project allocation, including contingency, is $781,000; and

WHEREAS, sufficient funding is available in the 2024–2026 Biennial Budget and Capital Improvement Program, including $530,000 appropriated from Fund 284 – Alameda County Transportation Commission (ACTC) Measure BB Local Streets and Roads Program to Project No. CIPA10001, and $365,264 appropriated from Fund 281 – Alameda County Transportation Commission (ACTC) Measure B Local Streets and Roads Program to Project No. CIPA10007; and

WHEREAS, the proposed work is categorically exempt from environmental review pursuant to Section 15301 of the California Environmental Quality Act (CEQA) Guidelines as it involves the maintenance and minor alteration of existing public facilities.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newark as follows:

1. The bid submitted by Villalobos & Associates, Inc. in the amount of $709,800 is hereby accepted, and the contract is awarded to said contractor for the 2025 Curb, Gutter, Sidewalk Replacement Project (CIPA10007) and 2025 Citywide Accessible Pedestrian Ramps Project (CIPA10001).

2. A construction contingency of $71,200 is hereby authorized, for a total project allocation of $781,000. The City Manager is authorized to approve change orders to the project up to an amount not to exceed $781,000.

3. The City Manager, or designee, is authorized to execute the contract in a form approved by the City Attorney and take all actions necessary to effectuate the intent of this Resolution.

STAFF REPORT

Item D. 6.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Scott Alman, Acting City Engineer
SUBJECT	Adopt resolution approving the project plans and specifications for Project CIPA10005.FY2025 and awarding a contract to VSS International, Inc. for the 2025 Slurry Seal Project, and approving an amendment to the budget; Exempt from CEQA review per CEQA Guidelines Section 15301

SUMMARY AND RECOMMENDATION

The 2025 Slurry Seal Project is an annual street resurfacing project that the City prepares plans and specifications, publicly advertises, and invites sealed bids for. Bids for Project CIPA10005.FY2025, the 2025 Slurry Seal Project, were opened and evaluated for completeness on Tuesday, July 8, 2025, at 11:00 a.m. in the Council Chambers. Four bidders submitted bids. The lowest responsible/responsive bidder was VSS International, Inc. with a bid of $3,650,121.38. VSS International, Inc. is experienced in pavement preservation work and has successfully performed such work for the City of Newark in previous years.

Staff recommends that the City Council adopt a resolution approving the project plans and specifications for Project CIPA10005.FY2025 and awarding a contract to VSS International, Inc. Staff also recommends amending the FY 2024–2026 Biennial Budget and Capital Improvement Plan to reappropriate previously approved funds and add an additional $400,000 allocation from Fund 202 – SB1 RMRA to the project for a total approved project budget of $4,400,000 including design, construction, construction contingency, and construction management and construction inspection costs.

BACKGROUND

The City of Newark annually applies pavement preservation materials to its city street network to maintain this valuable asset in good condition for the benefit of Newark's citizens and guests. Slurry seals are considered a preventative maintenance treatment for roadway pavement. Slurry seal treatment is a thin overcoat of asphalt emulsion, aggregate, and additives designed to protect the underlying pavement. Slurry seals extend pavement life an additional five to seven years. Slurry seal is more cost-effective than a pavement overlay, which allows for a greater number of streets to be treated. The quick application and cure time of slurry seals also minimizes impacts on local traffic.

This year's project is roughly three to four times larger than previous slurry seal projects in recent years. When adopting the 2024-2026 Biennial Budget and Capital Improvement Plan, the City Council significantly increased allocation towards street maintenance projects in response to community concerns regarding street conditions that were expressed in the most recent community survey. This increased funding will assist in maintaining the City's Pavement Condition Index (PCI). This project is anticipated to slurry seal in excess of 452,000 square yards of street surface.
In addition, in excess of 18,700 square yards of pavement failures will be repaired prior to the slurry seal being applied. After the slurry seal has been applied, roughly 62,000 lineal feet of street striping and in excess of 17,000 square feet of pavement markings/legends will be reinstalled on the newly slurry-sealed streets. Streets scheduled to receive slurry seal treatment within Project No. CIPA10005.FY2025 include:

	Street	From	To
1	ALBYN CT	OLIVE ST	END
2	AMADOR PL	BIRCH ST	END
3	BAINE AVE	BIRCH ST	ST PAUL DR
4	BAINE AVE	E END	CHERRY ST
5	BAINE AVE	73 E/O OLIVE	MAGNOLIA ST
6	BATH PL	FARNHAM DR	END
7	BAYONNE DR	CHERRY ST	LAFAYETTE AVE
8	BAYONNE PL	BAYONNE DR	END
9	BEECH PL	HAZELNUT DRIVE	END
10	BETTENCOURT ST	HALEY ST	MAYHEWS LDG RD
11	BEUTKE DR	SYCAMORE ST	SYCAMORE ST
12	BIRCH ST	THORNTON AVE	BLAINE
13	BIRCH ST	SMITH AVE	MOORES AVE
14	BIRCH ST	MOORES AVE	CEDAR BLVD
15	BIRCH ST	CENTRAL AVE	S END
16	BIRCH PL	BIRCH ST	END
17	BIRCH ST	CENTRAL AVE	PROP LINE 37490
18	BIRKSHIRE PL	INDIAN WELLS DR	END
19	BOLTON PL	SALISBURY DR	END
20	BOTTLE BRUSH	MAYHEWS LANDING RD	END
21	BRANDYWINE ST	BIRKDALE DR	BIRKDALE DR
22	BRETON PL	BRETON DR	END
23	BRIGHTON CT	ENFIELD DR	END
24	BRISTOL PL	SALISBURY DR	END
25	BUCKEYE ST	HAZELNUT	MAYHEWS LANDING RD
26	BUCKINGHAM CT	EDGEWATER DR	END
27	CARTER AVE	SYCAMORE ST	FILBERT ST
28	CEDAR ST	THORNTON AVE	37068 CEDAR
29	CENTRAL AVE	NEWARK BLVD	CHERRY ST

30	CHERRY ST	MAYHEWS LANDING ROAD	DAIRY AVENUE
31	CHERRY ST	THORNTON AVE	SPRR
32	CHEVIOT CT	RAMSGATE DR	END
33	CIVIC TERRACE AVE	NEWARK BLVD	ST EDWARDS
34	CIVIC TERRACE AVE	NEWARK BLVD	END
35	CIVIC TERRACE AVE	ST. EDWARDS ST	CEDAR BLVD
36	COLBERT ST	FOUNTAINE AVE	MAYHEWS LANDING RD
37	COLBERT PL	COLBERT ST	END
38	CRYSTAL SPRINGS CT	KOTE DR	END
39	DORCHESTER CT	EDGEWATER DR	END
40	DRYDEN CT	CHELSEA DR	END
41	DUMAS CT	COLBERT ST	END
42	DUPONT AVE	DARVON AVE	CHARLES ST
43	DUPONT AVE	CEDAR BLVD	DARVON AVE
44	EDGEWATER DR	FARNHAM DR/NORTH	LAKE BLVD
45	EDGEWATER DR	FARNHAM DR/SOUTH	FARNHAM/NORTH
46	ELM ST	WELLS AVE	WEST END
47	ELM ST	SUNSET AVE	THORNTON AVE
48	ENFIELD DR	EDGEWATER DR	DARVON AVE
49	FALMOUTH PL	SALISBURY DR	END
50	FARNHAM DR	EDGEWATER DR	EDGEWATER DR
51	FILBERT ST	ENTERPRISE DR	SPRR
52	GRAHAM AVE	MAGNOLIA ST	OLIVE ST
53	GRAHAM AVE	OLIVE ST	CHERRY ST
54	GRAHAM AVE	SYCAMORE ST	MAGNOLIA ST
55	GREENWICH CT	PARKSHORE DR	END
56	HAFNER ST	MUSICK AVE	HAFNER WAY
57	HAFNER WAY	HAFNER ST	RUSCHIN DR
58	HAFNER CT	HAFNER ST	END
59	HALEY ST	ROCHELLE AVE	CEDAR BLVD
60	HUMBER PL	FARNHAM DR	END
61	INVERNESS DR	BURNINGTREE DR	CRESTMONT AVE
62	IPSWICH	CHELSEA DR	END
63	JUNIPER AVE	CHESTNUT ST	POPLAR ST
64	KIOTE DR	CRYSTAL SPRINGS DR	JARVIS AV
65	MAGNOLIA ST	BAINE AVE	GRAHAM AVE
66	MAGNOLIA ST	PROP LINE 37007	THORNTON AVE
67	MAGNOLIA ST	GRAHAM AVE	PROP LINE 37007
68	MAPLE ST	THORNTON AVE	JUNIPER ST
69	MILANI AVE	CEDAR BLVD	EDITH ST
70	MILLWOOD CT	EDGEWATER DR	END
71	MIRABEAU DR	CEDAR BLVD	CHERRY ST
72	MONTCALM AVE	CHRISTINE ST	PARK
73	MULBERRY ST	GRAHAM AVE	THORTON AVE
74	MUNYAN ST	MUSICK AVE	SOUZA AVE

75	NEWARK BLVD	THORNTON AVE	DAIRY AVE
76	NEWARK BLVD	DAIRY AVE	MAYHEWS LANDING RD
77	NEWARK BLVD	WEST SIDE-RUSCHIN	WEST SIDE CEDAR
78	NEWARK BLVD	EAST SIDE-RUSCHIN	EAST SIDE CEDAR
79	NEWCASTLE CT	RAMSGATE DR	END
80	NORWICH PL	EDGEWATER DR	END
81	OLDHAM PL	WINDERMERE DR	END
82	OLIVE ST	BAINE AVE	THORNTON AVE
83	PORT ANCHORWOOD PL	PORT SAILWOOD DR	END
84	PORT FOGWOOD PL	PORT SAILWOOD DR	END
85	PORT SAILWOOD DR	CEDAR BLVD	DARVON ST
86	PORT TIDEWOOD ST	PORT SAILWOOD DR	DARVON AVE
87	PRESTON PL	EDGEWATER DR	END
88	RAMSGATE DR	EDGEWATER DR	LAKE BLVD
89	REYMOUTH DR	BLACKBURN AVE	LAKE BLVD
90	RICH AVE	SYCAMORE ST	MAGNOLIA ST
91	RINCONADA CT	CRYSTAL SPRINGS DR	END
92	RUSCHIN DR	MUSICK AVE	THORNTON AVE
93	RUTLAND CT	RAMSGATE DR	END
94	SALISBURY DR	PARKSHORE DR	EDGEWATER DR
95	SCARBOROUGH DR	5099 SCARBOROUGH DR	EDGEWATER DR
96	SCARBOROUGH DR	EDGEWATER DR	35595 SCARBOROUGH DR
97	SCARBOROUGH DR	35595 SCARBOROUGH DR	5099 SCARBOROUGH DR
98	SHOREHAVEN AVE	SPRUCE ST	BETTENCOURT ST
99	SHOREHAVEN PL	SHOREHAVEN AVE	END
100	SILVERADO PL	CRYSTAL SPRINGS DR	END
101	SPRUCE ST	JARVIS AVE	MAYHEWS LANDING ROAD
102	SPRUCE ST	THORNTON AVE	SPRR
103	ST EDWARDS ST	THORNTON AVE	CIVIC TERRACE DR
104	ST LUKE CT	CIVIC TERRACE DR	END
105	ST MATTHEW DR	CIVIC TERRACE DR	ST PAUL DR
106	SUNSET AVE	ELM ST	NORTH END
107	SUNSET AVE	ELM ST	LOCUST ST
108	SURREY CT	PARKSHORE DR	END
109	SUSSEX PL	SALISBURY DR	END
110	SYCAMORE ST	GEORGE AVE	DAIRY AVE
111	SYCAMORE ST	MAYHEWS LANDING RD	GEORGE AVE
112	TANFORAN CT	CRYSTAL SPRINGS DR	END
113	TYNE PL	NOTTINGHAM CT	END
114	WELLS AVE	LOCUST ST	SPRUCE ST
115	WELLS AVE	FILBERT ST	LOCUST ST
116	WINDERMERE DR	FARNHAM DR	FARNHAM DR
117	YARMOUTH CT	PARKSHORE DR	END
118	EDGEWATER DR	WINCHESTER PL	FARNHAM DR/SOUTH
119	NANCY PL	COLBERT ST	END

120	WALNUT AVE	SUNSET AVE	END (THORNTON AVE)

DISCUSSION/ANALYSIS

The City of Newark opened and evaluated four bids for Project No. CIPA10005.FY2025 on July 8, 2025, at 11:00 a.m. in the Council Chamber. The four bids and the respective bid amounts are:

1. VSS International, Inc.	$3,650,121.38
2. Pavement Coatings Co.	$3,943,677.55
3. Graham Contractors, Inc.	$3,967,875.55
4. Doolittle Construction, LLC.	$4,477,000.00

The Engineer's Estimate from consultant Coastland/DCCM for this project is: $3,879,034.

As previously stated, VSS International, Inc. is an experienced contractor that has successfully performed pavement preservation work for Newark in past years. VSS International, Inc. was the contractor for Newark's 2023 Slurry Seal Project. As stated in the Project Specifications, the determination of the lowest responsible/responsive bidder is based on the total Base Bid. Staff also recommend authorizing a construction contingency of $364,798.62.

Start of construction is anticipated to be scheduled for the end of summer 2025. At the completion of the project, the City will accept the project in accordance with the Project Specification.

FISCAL IMPACT

The 2025 Slurry Seal Project was previously approved by the City Council with a total budget of $4,000,000, as part of the FY 2024–2026 Biennial Budget and Capital Improvement Plan. To proceed with construction in FY 2025–26, staff recommend reappropriating the existing $4 million and allocating an additional $400,000 to establish a construction contingency and cover soft costs. This results in a revised total project budget of $4,400,000.

The original $4 million project budget for CIP No. CIPA10006.FY2025 is currently funded as follows:

- $1,000,000 – Fund 201: Gas Tax
- $1,500,000 – Fund 202: SB1 RMRA
- $1,500,000 – Fund 284: Measure BB (ACTC Local Streets & Roads)

To support the additional $400,000 funding requirement, staff recommend allocating additional SB1 RMRA funds (Fund 202).

The project design costs are $155,080. Staff also anticipate using a consultant for construction management and inspection services, with an anticipated budget of $230,000. In addition to the construction contract with VSS International, Inc. in the amount of $3,650,121.38, a contingency of $364,798.62 is included, bringing the total proposed project budget, with adoption of the proposed resolution, to $4,400,000.

ENVIRONMENTAL/PLANNING COMMISSION REVIEW

The repair and maintenance of existing facilities is categorically exempt under the California Environmental Quality Act (CEQA) section 15301 (Existing Facilities).

REVIEW AND APPROVAL

Prepared by - Scott Alman, PE, Contract Acting City Engineer
Reviewed by - Howard Young, Director of Public Works
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Slurry Seal Resolution

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK APPROVING THE PLANS AND SPECIFICATIONS FOR PROJECT CIPA10005.FY2025 AND AWARDING A CONTRACT TO VSS INTERNATIONAL, INC. FOR THE 2025 SLURRY SEAL PROJECT, AND APPROVING AN AMENDMENT TO THE BUDGET

WHEREAS, the Public Works Department invited sealed bids for the construction of project CIPA10005.FY2025, the 2025 Slurry Seal Project (the "Project"); and

WHEREAS, the City has, upon due notice, received a total of 4 bids for the Project that were reviewed by staff for responsiveness and responsibility; and

WHEREAS, as stated in the Project Specifications, determination of the lowest responsive, responsible bidder was based on the total Base Bid; and

WHEREAS, VSS International, Inc. was determined to be lowest responsive, responsible bidder with a total bid amount of $3,365,121.38; and

WHEREAS, the FY 2024–2026 Biennial Budget and Capital Improvement Plan includes $4,000,000 in appropriated funding for this project, and staff recommends allocating an additional $400,000 in SB1 RMRA funds to support construction contingency and soft costs, resulting in a total project budget of $4,400,000.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newark as follows:

1. The City Council hereby approves the plans and specifications for Project CIPA10005.FY2025 – the 2025 Slurry Seal Project.

2. The City Council finds the bid from VSS International, Inc. to be the lowest responsive and responsible bid.

3. The City Council awards the construction contract for Project CIPA10005.FY2025 to VSS International, Inc. in the amount of $3,650,121.38 with a construction contingency in the amount of $364,798.62.

4. The City Council approves an amendment to the FY 2024–2026 Biennial Budget and Capital Improvement Plan to reappropriate previously approved funds and add an additional $400,000 allocation from Fund 202 – SB1 RMRA.

5. The City Council authorizes the City Manager, or designee, to execute the contract and any related documents in a form approved by the City Attorney, and to take all actions necessary to carry out the project, including approving change orders up to the budgeted contingency amount.

STAFF REPORT

Item D. 7.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Michael Coulom, Housing Policy and Programs Manager
SUBJECT	Adopt a resolution authorizing the City Manager to execute an agreement with Hello Housing to develop and administer the first-time homebuyer assistance and below-market rate homeownership programs

SUMMARY AND RECOMMENDATION

Staff recommends that the City Council, by resolution, authorize the City Manager to enter into an agreement with Hello Housing to develop and administer the first-time homebuyer (FTHB) assistance and below-market rate (BMR) homeownership programs. The agreement would have a not-to exceed amount of $200,000 over three years. The agreement would allow staff to use professional consultant services to implement 2023-2031 Housing Element Program H5.1 and Policy H5.4 with the aim of expanding homeownership opportunities throughout the City for low- and moderate-income households.

BACKGROUND

The City has successfully utilized professional consultants in the past to provide services and experience that City staff cannot provide and to augment staff capacity during busy periods or when resources are low. In May 2021, City Council approved Resolution 11,201 adopting the City's 2021-2023 Affordable Housing Work Plan (Work Plan) and identified programs and policies to incentivize the production of affordable housing in Newark. Informed by interviews with City Council, the Planning Commission, and the Community Development Advisory Committee, the Work Plan called for a First-Time Homebuyer Program and Inclusionary Housing Study. These activities were later incorporated into the 2023-2031 Housing Element as Program H5.1 and Policy H5.4, respectively. The Housing Element is Included as Attachment C. Program H5.1 can be found on pages 235-236 and Policy H5.4 on page 211.

On June 14, 2024, the City released a request for proposal (RFP) for consultant services to develop and administer a First-Time Homebuyer Loan Program and Affordable Homeownership Program. Two firms responded. As part of the evaluation process, staff assessed response compliance with submittal requirements, interviewed both respondents, and contacted respondent references to verify qualifications and experience.

Staff recommend selecting Hello Housing (Consultant), a non-profit organization, to develop and administer a FTHB assistance program and BMR homeownership program.

DISCUSSION/ANALYSIS

Housing Element Goal H5 aims to Increase Access to Affordable Housing. Program H5.1 aims to implement this goal by establishing a FTHB assistance program whereas Policy H5.4 amends the City's Affordable Housing Program (Newark Municipal Code (NMC) Chapter 17.18) to prioritize on-site construction of BMR housing over collection of the Housing Impact Fee. BMR homeownership programs typically benefit moderate-income households but can support lower-income households in some instances.

The City's adopted Housing Element aims to assist four households in achieving homeownership each year during the 2023-2031 planning period, with an affirmative marketing approach inclusive of moderate-income black, indigenous, and people of color (BIPOC) households. Newark residents currently have access to Alameda County's Boost program (AC Boost), which was designed and is administered by Hello Housing and provides income-qualifying households with a loan of up to $210,000 for down payment assistance. AC Boost is heavily oversubscribed, however, and selects beneficiaries via lottery. Newark residents submitted 16 program applications to AC Boost, of which four purchased homes with program assistance. The last AC Boost pre-application period closed May 15, 2024. Meeting the Housing Element goal will require direct City investment.

Newark's stock of BMR homes is composed of deed-restricted properties regulated by the City and/or state or federal agencies. There are currently 400 BMR units operating in Newark, all of which are rentals restricted to extremely low-, very low-, and low-income households. Of these, 275 are restricted to seniors. An additional 229 rental units have been entitled or are under construction, all of which will be restricted to extremely low-, very low-, and low-income households, 79 of which will be restricted to seniors. Assembly Bill 2430 (Alvarez, 2024) prohibits local jurisdictions from charging affordable housing properties for regulatory monitoring that is duplicative of a state agency's monitoring. The City does not have a formal monitoring role in these properties because all BMR rental units operating or in the development pipeline have state funding.

In September 2024 the City entitled Lepakshi Homes, an 88-unit mixed-use condominium project with 13 BMR homeownership units. This project is not anticipated to have state funding and creates a need for City regulation and monitoring. Managing a BMR portfolio is a highly specialized and laborious task that requires consistent monitoring and regular handling of sensitive personal information, including supporting homebuyers and sellers. The City does not have licensed staff to monitor or support buyers and sellers in real estate transactions.

In accordance with the Work Plan and Housing Element Policy H5.4, staff began a

study of the City's Affordable Housing Program (NMC 17.18). Staff expect to present the results and recommendations of this inclusionary housing study at a public hearing of the Planning Commission later this summer and summarily to City Council . While Lepakshi Homes presents a forthcoming need for BMR program development and administration, revisions to NMC 17.18 are anticipated to increase the number of BMR homes that require City monitoring.

Request for Proposal
The City released its *Request for Proposal for First Time Homebuyer Loan Program and Administration and Affordable Homeownership Program Development and Administration* on June 14, 2024. The RFP combined requests for services related to Housing Element Program H5.1 and implementation of Policy H5.4. The Work Plan anticipated spending $50,000 for FTHB "Initial Program Structure" but did not expressly identify funds for developing or administering a program to implement the results of the Inclusionary Housing Study.

The City received proposals from Hello Housing and Bay Area Affordable Homeownership Alliance (BAAHA). Staff and a consultant hired to support the City with the Inclusionary Housing Study reviewed and deemed both compliant with submittal requirements and qualified to develop and administer the programs.

Hello Housing is an Oakland-based non-profit that provides program development and administration services for FTHB and BMR homeownership and rental programs to Bay Area jurisdictions, including the cities of Emeryville and South San Francisco. They are also the developer and administrator of Alameda County's AC Boost program and have an in-house real estate brokerage license to support buyers and sellers in the purchase and resale of BMR homes. They have worked with developers with experience in Newark, including Lennar.

BAAHA is a San Francisco-based non-profit that provides program development and administration services for FTHB and BMR homeownership programs to Bay Area jurisdictions, including the cities of Pleasanton, Concord, Antioch, and Pacifica. BAAHA's administrative director has a brokerage license to support buyers and sellers. BAAHA has worked with developers with experience in Newark, which also includes Lennar.

Program scopes of work varied greatly between both proposals with resultant variations in proposed budgets. Hello Housing presented a three-year budget, whereas BAAHA presented a two-year budget. While BAAHA fees are approximately $90,000.00 less than Hello Housing for the two-year period, Hello Housing assumed a greater number of FTHB loan placements than BAAHA in Year 1, a more detailed financial analysis of different program models to inform design decision making, additional meetings with staff and stakeholders to inform program design, developing an online program application, and providing access to a proprietary database for generating real-time reports. Actual expenses in Years 1 and 2 may be lower as applicable BMR units are not yet in operation. Hello Housing's attention to program design and evaluation will be of value to the City in establishing these new programs.

Summary of Services
City staff and the Consultant desire to implement Housing Element Program H5.1 and Policy H5.4, including priorities in the Work Plan, through a new contract services agreement (CSA) for three years with a not to exceed amount of $200,000. Specific work identified in the CSA includes:

- Designing the First-Time Homebuyer Downpayment Assistance program and guidelines
- Drafting Down Payment Assistance loan documents
- Designing deed-restricted affordable homeownership (BMR) program and guidelines
- Drafting BMR affordability restriction agreements
- Developing Down Payment Assistance program application, including online application
- Developing marketing plans and materials for both program
- Holding community and stakeholder engagement sessions to inform program design
- Conducting application workshops
- Reviewing and processing applications
- Originating and closing Down Payment Assistance
- Program monitoring, reporting, and resales

FISCAL IMPACT

The CSA would allocate up to $200,000 over a three-year period for development and implementation of both the FTHB and BMR programs. This is absorbable by available Affordable Housing Impact Fee Funds (Fund) and is commensurate with the objectives of the Work Plan.

The Fund has a current balance of $26,819,580. Of this, the Work Plan anticipated allocating up to $50,000 for design of a FTHB program plus five percent of Funds for program administration. This equates to $2,354,299 available for the FTHB program. The Work Plan anticipated spending $100,000 for an Inclusionary Housing Study and Nexus Study but did not specify funds for implementing study results or designing a BMR program.

Hello Housing anticipates a combined cost of $65,900 to develop both the FTHB and BMR programs. Although the Work Plan did not specifically allocate funds for BMR program development, this additional $15,900 on top of that allocated to FTHB Initial Program Structure appears reasonable and in the spirit of the Work Plan.

Staff will return to Council to request funds for direct FTHB assistance after designing the program with Council and community input. Subsequently requested funds will be used to provide direct financial assistance, such as a downpayment assistance loan, to homebuyers.

REVIEW AND APPROVAL

Prepared by - Michael Coulom, Housing Policy and Programs Manager
Reviewed by - Steven Turner, Community Development Director
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Attachment 1 - Draft Hello Housing Resolution

Attachment 2 - Hello Housing Agreement

Attachment 3 - 2023-2031 Housing Element (pages 211 and 235-236)

Attachment 4 - Resolution 11,201 (2021-2023 Work Plan)

RESOLUTION NO. _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK AUTHORIZING THE CITY MANAGER TO EXECUTE A CONTRACTUAL SERVICES AGREEMENT WITH HELLO HOUSING FOR DEVELOPMENT AND ADMINISTRATIVE SERVICES FOR FIRST TIME HOMEBUYER AND AFFORDABLE HOMEOWNERSHIP PROGRAMS

WHEREAS, City staff issued a Request for Proposals (RFP) for services to develop and administer First Time Homebuyer and Affordable Homeownership programs, in accordance with the City's Purchasing and Regulations; and

WHEREAS, a total of two proposals were received; and

WHEREAS, all proposals received were evaluated by City staff based on the criteria listed in the RFP including proposed cost for services, qualification and experience of firm and assigned staff, the firm's understanding of the scope of work and the general approach to completing the work; and

WHEREAS, based on staff's evaluation, two firms were invited to participate in interviews with City staff; and

WHEREAS, following the interviews, Hello Housing. was determined to be the most qualified firm to provide the requested services for the First Time Homebuyer and Affordable Homeownership programs.

NOW THEREFORE, BE IT RESOLVED that the City Council of the City of Newark herby authorizes the City Manager to execute the Contractual Services Agreement in a form approved by the City Attorney, with Hello Housing in an amount not to exceed $200,000.00 for services to developer and administer the First Time Homebuyer and Affordable Homeownership programs.

CONSULTING SERVICES AGREEMENT BETWEEN
THE CITY OF NEWARK
AND
HELLO HOUSING
FOR DESIGN AND ADMINISTRATION OF FIRST-TIME HOMEBUYER AND BELOW-MARKET RATE HOUSING PROGRAMS

This Agreement for consulting services ("Agreement") is made by and between the City of Newark, a municipal corporation, ("City") and Hello Housing, a nonprofit, public benefit corporation, with offices located at 2335 Broadway, Floor 3, Oakland, California ("Consultant"), (together referred to as the "Parties") as of August 1, 2025 (the "Effective Date").

Section 1. Services. Subject to the terms and conditions set forth in this Agreement, Consultant shall provide to City the services described in the Scope of Work attached as Exhibit A and incorporated herein, at the time and place and in the manner specified therein. In the event of a conflict in or inconsistency between the terms of this Agreement and Exhibit A, the Agreement shall prevail.

1.1 Term of Services. The term of this Agreement shall begin on the Effective Date and shall end on August 1, 2028 and Consultant shall complete the work described in Exhibit A on or before that date, unless the term of the Agreement is otherwise terminated or extended, as provided for in Section 8. The time provided to Consultant to complete the services required by this Agreement shall not affect the City's right to terminate the Agreement, as referenced in Section 8. Funding for services beyond the current fiscal year will be included in future City budgets but is subject to City Council approval of annual appropriations.

1.2 Standard of Performance. Consultant shall perform all services required pursuant to this Agreement according to the standards observed by a competent practitioner of the profession in which Consultant is engaged and in the geographical area in which Consultant practices its profession. Consultant shall prepare all work products required by this Agreement to the standards of quality normally observed by a person practicing in Consultant's profession,

1.3 Assignment of Personnel. Consultant shall assign only competent personnel consistent with Section 1.2 to perform services pursuant to this Agreement. In the event that City, in its sole discretion, at any time during the term of this Agreement, desires the reassignment of any such persons, Consultant shall, immediately upon receiving notice from City of such desire of City, reassign such person or persons.

1.4 Time is of the Essence. Time is of the essence. Consultant shall devote such time to the performance of services pursuant to this Agreement as may be reasonably necessary to timely finish the Scope of Work, to meet the standard of performance provided in Section 1.1 and 1.2 above and to satisfy Consultant's obligations hereunder.

Section 2. COMPENSATION. City hereby agrees to pay Consultant a sum not to exceed Two Hundred Thousand Dollars ($200,000.00) notwithstanding any contrary indications that may be contained in Consultant's proposal for services to be performed and reimbursable costs incurred under this Agreement. In the event of a conflict between this Agreement and Consultant's proposal, attached

as Exhibit A, regarding the amount of compensation, the Agreement shall prevail. City shall pay Consultant for services rendered pursuant to this Agreement at the time and in the manner set forth herein. The payments specified below shall be the only payments from City to Consultant for services rendered pursuant to this Agreement. Consultant shall submit all invoices to City in the manner specified herein. Except as specifically authorized by City in writing, Consultant shall not bill City for duplicate services performed by more than one person.

Consultant and City acknowledge and agree that compensation paid by City to Consultant under this Agreement is based upon Consultant's estimated costs of providing the services required hereunder, including salaries and benefits of employees and subcontractors of Consultant. Consequently, the parties further agree that compensation hereunder is intended to include the costs of contributions to any pensions and/or annuities to which Consultant and its employees, agents, and subcontractors may be eligible. City therefore has no responsibility for such contributions beyond compensation required under this Agreement.

2.1 Invoices. Consultant shall submit invoices, not more often than once a month during the term of this Agreement, based on the cost for services performed and reimbursable costs incurred prior to the invoice date. Invoices shall contain the following information, unless waived by the Contract Administrator:

- Serial identifications of progress bills; i.e., Progress Bill No. 1 for the first invoice, etc.;
- Project name & number if applicable;
- Purchase Order number to expedite payment;
- The beginning and ending dates of the billing period;
- A task summary containing the original contract amount, the amount of prior billings, the total due this period, the balance available under the Agreement, and the percentage of completion;
- The Consultant's signature;
- Consultant shall give separate notice to the City when the total number of hours worked by Consultant and any individual employee, agent, or subcontractor of Consultant reaches or exceeds 800 hours within a 12-month period under this Agreement and any other agreement between Consultant and City. Such notice shall include an estimate of the time necessary to complete the work described in Exhibit A and the estimate of time necessary to complete work under any other agreement between Consultant and City, if applicable.

2.2 Monthly Payment. City shall make monthly payments, based on invoices received, for services satisfactorily performed, and for authorized reimbursable costs incurred. City shall have 30 days from the receipt of an invoice that complies with all of the requirements above to pay Consultant.

2.3 Reserved.

2.4 Total Payment. City shall pay for the services to be rendered by Consultant pursuant to this Agreement. City shall not pay any additional sum for any expense or cost whatsoever incurred by Consultant in rendering services pursuant to this Agreement. City shall make no payment for any extra, further, or additional service pursuant to this Agreement.

In no event shall Consultant submit any invoice for an amount in excess of the maximum amount of compensation provided above either for a task or for the entire Agreement, unless the Agreement is modified prior to the submission of such an invoice by a properly executed change order or amendment.

2.5 Hourly Rate/Fees. Unless the services provided are for a lump sum or flat fee, fees for work performed by Consultant on an hourly basis shall not exceed the amounts shown on the compensation cost proposal attached hereto as Exhibit B and incorporated herein. In the event of a conflict in or inconsistency between the terms of this Agreement and Exhibit B, the Agreement shall prevail.

2.6 Reimbursable Expenses. Reimbursable expenses, if any, are specified in Exhibit C, attached hereto and incorporated herein. Reimbursable expenses not listed in Exhibit C are not chargeable to City. Reimbursable expenses shall not include a mark-up and are billed as a direct costs. In no event shall expenses be advanced by the City to the Consultant. Reimbursable expenses are included in the total amount of compensation provided under Section 2 of this Agreement that shall not be exceeded.

2.7 Payment of Taxes. Consultant is solely responsible for the payment of employment taxes incurred under this Agreement and any similar federal or state taxes.

2.8 Payment upon Termination. In the event that the City or Consultant terminates this Agreement pursuant to Section 8, the City shall compensate the Consultant for all outstanding costs and reimbursable expenses incurred for work satisfactorily completed as of the date of written notice of termination. Consultant shall maintain adequate logs and timesheets to verify costs incurred to that date.

2.9 Authorization to Perform Services. The Consultant is not authorized to perform any services or incur any costs whatsoever under the terms of this Agreement until receipt of authorization from the Contract Administrator.

2.10. Business License. The Consultant is not authorized to perform services or incur costs whatsoever under the terms of this Agreement until Consultant applies for and has been issued a business license from the City pursuant to Title 5 of the Newark Municipal Code.

Section 3. FACILITIES AND EQUIPMENT. Except as set forth herein, Consultant shall, at its sole cost and expense, provide all facilities and equipment that may be necessary to perform the services required by this Agreement. City shall make available to Consultant only the facilities and equipment listed in this section, and only under the terms and conditions set forth herein.

City shall furnish physical facilities such as desks, filing cabinets, and conference space, as may be reasonably necessary for Consultant's use while consulting with City employees and reviewing records and the information in possession of the City. The location, quantity, and time of furnishing those facilities shall be in the sole discretion of City. In no event shall City be obligated to furnish any facility that may involve incurring any direct expense, including but not limited to computer, long-distance telephone or other communication charges, vehicles, and reproduction facilities.

Section 4. INSURANCE REQUIREMENTS. Before beginning any work under this Agreement, Consultant, at its own cost and expense, unless otherwise specified below, shall procure the types and amounts of insurance listed below against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Consultant and its agents, representatives, employees, and subcontractors. Consistent with the following provisions, Consultant shall provide proof satisfactory to City of such insurance that meets the requirements of this section and under forms of insurance satisfactory in all respects, and that such insurance is in effect prior to beginning work to the City. Consultant shall maintain the insurance policies required by this section throughout the term of this Agreement. The cost of such insurance shall be included in the Consultant's bid. Consultant shall not allow any subcontractor to commence work on any subcontract until Consultant has obtained all insurance required herein for the subcontractor(s) and provided evidence that such insurance is in effect to City. Verification of the required insurance shall be submitted and made part of this Agreement prior to execution.

4.1 Required Coverage. Consultant shall maintain all required insurance listed herein for the duration of this Agreement.

COVERAGE	TYPE OF INSURANCE	MINIMUM LIMITS
A	**Commercial General Liability** Premises Liability; Products and Completed Operations; Contractual Liability; Personal Injury and Advertising Liability	$1,000,000 per occurrence; Bodily Injury and Property Damage $2,000,00 in the aggregate; Commercial general coverage shall be at least as broad as Insurance Services Office Commercial General Liability occurrence form CG 0001 (most recent edition) covering comprehensive General Liability on an "occurrence" basis
B	**Commercial or Business Automobile Liability** Hired, non-owned Auto Liability Policy.	$1,000,000 per occurrence; Any Auto; Bodily Injury and Property Damage. Automobile coverage shall be at least as broad as Insurance Services Office Automobile Liability

		form CA 0001 (most recent edition), Code 1 (any auto). No endorsement shall be attached limiting the coverage
C	**Workers' Compensation (WC) and Employers Liability (EL)** Required for all contractors with employees	WC: Statutory Limits EL: $100,000 per accident for bodily injury or disease. Consultant may rely on a self-insurance program to meet those requirements, but only if the program of self-insurance complies fully with the provisions of the California Labor Code. The insurer shall waive all rights of subrogation against the City and its officers, officials, employees, and volunteers for loss arising from work performed under this Agreement
D	**Professional Liability/Errors & Omissions** Includes endorsements of contractual liability	$2,000,000 per claim $2,000,000 policy aggregate; Any deductible or self-insured retention shall not exceed $150,000 per claim

4.2 **Additional requirements.** Each of the following shall be included in the insurance coverage or added as a certified endorsement to the policy:

a. All required insurance shall be maintained during the entire term of the Agreement with the following exception: Insurance policies and coverage(s) written on a claims-made basis shall be maintained during the entire term of the Agreement and until three (3) years following termination and acceptance of all work provided under the Agreement, with the retroactive date of said insurance (as may be applicable) concurrent with the commencement of activities pursuant to this Agreement

b. All insurance required above with the exception of Professional Liability, Personal Automobile Liability, Workers' Compensation and Employers Liability, shall be endorsed to name as additional insured: City of Newark, its City Council, and all City officers, agents, employees, volunteers and representatives.

c. For any claims related to this Agreement or the work hereunder, the Consultant's insurance covered shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

d. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after 30 days' prior written notice has been provided to the City.

e. Certificates of Insurance**:** Before commencing operations under this Agreement, Consultant shall provide Certificate(s) of Insurance and applicable insurance endorsements, in form and satisfactory to City, evidencing that all required insurance coverage is in effect. The City reserves the rights to require the Consultant to provide complete, certified copies of all required insurance policies.

f. Subcontractors**:** Consultant shall include all subcontractors as an insured (covered party) under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

g. Claims-made limitations. The following provisions shall apply if the professional liability coverage is written on a claims-made form:

i. The retroactive date of the policy must be shown and must be before the date of the Agreement.

ii. Insurance must be maintained and evidence of insurance must be provided for at least five years after completion of the Agreement or the work, so long as commercially available at reasonable rates.

iii. If coverage is canceled or not renewed and it is not replaced with another claims-made policy form with a retroactive date that precedes the date of this Agreement, Consultant must purchase an extended period coverage for a minimum of three (3) years after completion of work under this Agreement.

iv. A copy of the claim reporting requirements must be submitted to the City for review prior to the commencement of any work under this Agreement.

4.3 All Policies Requirements.

a. Acceptability of insurers. All insurance required by this section is to be placed with insurers with a Bests' rating of no less than A:VII. Insurance shall be maintained through an insurer with a minimum A.M. Best Rating of A- or better, with deductible amounts acceptable to the City. Acceptance of Consultant's insurance by City shall not relieve or decrease the liability of Consultant hereunder. Any deductible or self-insured retention amount or other similar obligation under the policies shall be the sole responsibility of the Consultant.

b. Deductibles and Self-Insured Retentions. Consultant shall disclose to and obtain the written approval of City for the self-insured retentions and deductibles before beginning any of the services or work called for by any term of this Agreement. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, employees, and volunteers; or the Consultant shall provide a financial guarantee satisfactory

to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

c. Wasting Policies. No policy required by this Section 4 shall include a "wasting" policy limit (i.e. limit that is eroded by the cost of defense).

d. Waiver of Subrogation. Consultant hereby agrees to waive subrogation which any insurer or contractor may require from vendor by virtue of the payment of any loss. Consultant agrees to obtain any endorsements that may be necessary to affect this waiver of subrogation. The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the entity for all work performed by the consultant, its employees, agents, and subcontractors.

4.4 Remedies. In addition to any other remedies City may have if Consultant fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option exercise any of the following remedies, which are alternatives to other remedies City may have and are not the exclusive remedy for Consultant's breach:

- Obtain such insurance and deduct and retain the amount of the premiums for such insurance from any sums due under the Agreement;
- Order Consultant to stop work under this Agreement or withhold any payment that becomes due to Consultant hereunder, or both stop work and withhold any payment, until Consultant demonstrates compliance with the requirements hereof; and/or
- Terminate this Agreement.

Section 5. INDEMNIFICATION AND CONSULTANT'S RESPONSIBILITIES.

Consultant shall indemnify, defend with counsel acceptable to City, and hold harmless City and its officers, officials, employees, agents and volunteers from and against any and all liability, loss, damage, claims, expenses, and costs (including without limitation, reasonable attorney's fees and costs and fees of litigation) (collectively, "Liability") of every nature arising out of or in connection with Consultant's performance of the Services or its failure to comply with any of its obligations contained in this Agreement, except such Liability caused by the sole negligence or willful misconduct of City.

The Consultant's obligation to defend and indemnify shall not be excused because of the Consultant's inability to evaluate Liability or because the Consultant evaluates Liability and determines that the Consultant is not liable to the claimant. The Consultant must respond within 30 days, to the tender of any claim for defense and indemnity by the City, unless this time has been extended by the City. If the Consultant fails to accept or reject a tender of defense and indemnity within 30 days, in addition to any other remedy authorized by law, so much of the money due the Consultant under and by virtue of this Agreement as shall reasonably be considered necessary by the City, may be retained by the City until disposition has been made of the claim or suit for damages, or until the Consultant accepts or rejects the tender of defense, whichever occurs first.

With respect to third party claims against the Consultant, the Consultant waives any and all rights of any type to express or implied indemnity against the Indemnitees.

Notwithstanding the forgoing, to the extent this Agreement is a "construction contract" as defined by California Civil Code Section 2782.8, as may be amended from time to time, then, and only to the extent required by Civil Code section 2782.8, which is fully incorporated herein, Contractor's indemnification obligation shall be limited to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant, and, upon Consultants obtaining a final adjudication by a court of competent jurisdiction, Consultant's liability for such claim, including the cost to defend, shall not exceed the Consultant's proportionate percent of fault.

In the event that Consultant or any employee, agent, or subcontractor of Consultant providing services under this Agreement is determined by a court of competent jurisdiction or the California Public Employees Retirement System (PERS) to be eligible for enrollment in PERS as an employee of City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents, or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of City.

Section 6. STATUS OF CONSULTANT.

6.1 Independent Contractor. At all times during the term of this Agreement, Consultant shall be an independent contractor and shall not be an employee of City. City shall have the right to control Consultant only insofar as the results of Consultant's services rendered pursuant to this Agreement and assignment of personnel pursuant to Subparagraph 1.3; however, otherwise City shall not have the right to control the means by which Consultant accomplishes services rendered pursuant to this Agreement. Notwithstanding any other City, state, or federal policy, rule, regulation, law, or ordinance to the contrary, Consultant and any of its employees, agents, and subcontractors providing services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any and all claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in the California Public Employees Retirement System (PERS) as an employee of City and entitlement to any contribution to be paid by City for employer contributions and/or employee contributions for PERS benefits.

6.2 Consultant Not an Agent. Except as City may specify in writing, Consultant shall have no authority, express or implied, to act on behalf of City in any capacity whatsoever as an agent. Consultant shall have no authority, express or implied, pursuant to this Agreement to bind City to any obligation whatsoever.

Section 7. LEGAL REQUIREMENTS.

7.1 Governing Law. The laws of the State of California shall govern this Agreement.

7.2 Compliance with Applicable Laws. Consultant and any subcontractors shall comply with all laws applicable to the performance of the work hereunder, including but not limited to the California Building Code, the Americans with Disabilities Act, and any copyright, patent or trademark law. Contractor's failure to comply with any law(s) or regulation(s) applicable to the performance of the work hereunder shall constitute a breach of contract.

7.3 Other Governmental Regulations. To the extent that this Agreement may be funded by fiscal assistance from another governmental entity, Consultant and any subcontractors shall comply with all applicable rules and regulations to which City is bound by the terms of such fiscal assistance program.

7.4 Licenses and Permits. Consultant represents and warrants to City that Consultant and its employees, agents, and any subcontractors have all licenses, permits, qualifications, and approvals of whatsoever nature that are legally required to practice their respective professions. Consultant represents and warrants to City that Consultant and its employees, agents, any subcontractors shall, at their sole cost and expense, keep in effect at all times during the term of this Agreement any licenses, permits, and approvals that are legally required to practice their respective professions. In addition to the foregoing, Consultant and any subcontractors shall obtain and maintain during the term of this Agreement valid Business Licenses from City.

7.5 Nondiscrimination and Equal Opportunity. Consultant shall not discriminate, on the basis of a person's race, religion, color, national origin, age, physical or mental handicap or disability, medical condition, genetic information, marital status, sex, sexual orientation, gender, or gender identity, against any employee, applicant for employment, subcontractor, bidder for a subcontract, or participant in, recipient of, or applicant for any services or programs provided by Consultant under this Agreement. Consultant shall comply with all applicable federal, state, and local laws, policies, rules, and requirements related to equal opportunity and nondiscrimination in employment, contracting, and the provision of any services that are the subject of this Agreement, including but not limited to the satisfaction of any positive obligations required of Consultant thereby.

Consultant shall include the provisions of this Subsection in any subcontract approved by the Contract Administrator or this Agreement.

Section 8. TERMINATION AND MODIFICATION.

8.1 Termination. City may cancel this Agreement at any time and without cause upon written notification to Consultant. Consultant may cancel this Agreement upon thirty (30) days' written notice to City and shall include in such notice the reasons for cancellation.

In the event of termination, Consultant shall be entitled to compensation for services performed to the effective date of termination; City, however, may condition payment of such compensation upon Consultant delivering to City any or all work product, including, but not limited to documents, photographs, computer software, video and audio tapes, and other materials provided to Consultant or prepared by or for Consultant or the City in connection with this Agreement.

8.2 Extension. City may, in its sole and exclusive discretion, extend the end date of this Agreement beyond that provided for in Subsection 1.1. Any such extension shall require a written amendment to this Agreement, as provided for herein. Consultant understands and agrees that, if City grants such an extension, City shall have no obligation to provide Consultant with compensation beyond the maximum amount provided for in this Agreement. Similarly, unless authorized by the Contract Administrator, City shall have no obligation to reimburse Consultant for any otherwise reimbursable expenses incurred during the extension period.

8.3 Amendments. The Parties may amend this Agreement only by a writing signed by all the Parties.

8.4 Assignment and Subcontracting. City and Consultant recognize and agree that this Agreement contemplates personal performance by Consultant and is based upon a determination of Consultant's unique personal competence, experience, and specialized personal knowledge. Moreover, a substantial inducement to City for entering into this Agreement was and is the professional reputation and competence of Consultant. Consultant may not assign this Agreement or any interest therein without the prior written approval of the Contract Administrator. Consultant shall not subcontract any portion of the performance contemplated and provided for herein, other than to the subcontractors noted in the proposal, without prior written approval of the Contract Administrator.

8.5 Survival. All obligations arising prior to the termination of this Agreement and all provisions of this Agreement allocating liability between City and Consultant, including but not limited to the provisions of Section 5, shall survive the termination of this Agreement.

8.6 Options upon Breach by Consultant. If Consultant materially breaches any of the terms of this Agreement, City's remedies shall include, but not be limited to, the following:

8.6.1 Immediately terminate the Agreement;

8.6.2 Retain the plans, specifications, drawings, reports, design documents, and any other work product prepared by Consultant pursuant to this Agreement;

8.6.3 Retain a different consultant to complete the work described in Exhibit A not finished by Consultant; or

8.6.4 Charge Consultant the difference between the cost to complete the work described in Exhibit A that is unfinished at the time of breach and the amount that City would have paid Consultant pursuant to Section 2 if Consultant had completed the work.

8.6.5 No remedy mentioned in this Agreement is intended to be exclusive of any other right, power, or remedy, permitted by law. Neither the failure nor the delay on the part of the City to exercise any such rights and remedies shall operate as a waiver thereof, nor shall any single or partial exercise by the City of any such right or remedy preclude any other or further exercise of any such right or remedy.

Section 9. KEEPING AND STATUS OF RECORDS.

9.1 Records Created as Part of Consultant's Performance. All reports, data, maps, models, charts, studies, surveys, photographs, memoranda, plans, studies, specifications, records, files, or any other documents or materials, in electronic or any other form, that Consultant prepares or obtains pursuant to this Agreement and that relate to the matters covered hereunder shall be the property of the City. Consultant hereby agrees to deliver those documents to the City upon termination of the Agreement and City may use, reuse or otherwise dispose of the documents without Consultant's

permission. It is understood and agreed that the documents and other materials, including but not limited to those described above, prepared pursuant to this Agreement are prepared specifically for the City and are not necessarily suitable for any future or other use. City and Consultant agree that, until final approval by City, all data, plans, specifications, reports and other documents are confidential and will not be released to third parties without prior written consent of both parties.

9.2 Consultant's Books and Records. Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, and other records or documents evidencing or relating to charges for services or expenditures and disbursements charged to the City under this Agreement for a minimum of 3 years, or for any longer period required by law, from the date of final payment to the Consultant to this Agreement. All such records should be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible.

9.3 Inspection and Audit of Records. Any records or documents that Section 9.2 of this Agreement requires Consultant to maintain shall be made available for inspection, audit, and/or copying at any time during regular business hours, upon oral or written request of the City. Under California Government Code Section 8546.7, if the amount of public funds expended under this Agreement exceeds $10,000.00, the Agreement shall be subject to the examination and audit of the State Auditor, at the request of City or as part of any audit of the City, for a period of 3 years after final payment under the Agreement.

9.4 Proprietary Information. City and Consultant acknowledge and agree that City may receive confidential information from Consultant that is proprietary to Consultant and may contain trade secrets, work processes, or other business information (collectively, "Proprietary Information"). Consultant shall clearly identify such Proprietary Information when provided to City and shall mark Proprietary Information when provided to City in writing. City shall not keep or store Consultant's written Proprietary Information as part of its regular retention of records and shall dispose of Consultant's Proprietary Information after review and upon reasonable request by Consultant, unless otherwise prohibited by state or federal law or rules of court.

Notwithstanding any other provision of this Agreement, neither party is required to disclose information which it reasonably deems to be proprietary or confidential in nature. The Parties agree that any information disclosed by a party and designated as proprietary and confidential shall only be disclosed to those officials, employees, representatives, and agents of the other party that have a need to know in order to administer and enforce this Agreement. For purposes of this subsection, the terms "proprietary or confidential" include but are not limited to, information relating to a party's corporate structure and affiliates, marketing plans, financial information, trade secrets, work processes, or other information that is reasonably determined by a party to be competitively sensitive. A party may make proprietary or confidential information available for inspection but not copying or removal by the other party's representatives. This subsection, shall not prohibit the disclosure of any documents otherwise required to be disclosed pursuant to the California Public Records Act, California Government Code Section 7920.000 *et seq*.

Section 10 MISCELLANEOUS PROVISIONS.

10.1 Attorneys' Fees. If a party to this Agreement brings any action, including an action for declaratory relief, to enforce or interpret the provision of this Agreement, the prevailing party shall

be entitled to reasonable attorneys' fees in addition to any other relief to which that party may be entitled. The court may set such fees in the same action or in a separate action brought for that purpose.

10.2 Venue. In the event that either party brings any action against the other under this Agreement, the parties agree that trial of such action shall be vested exclusively in the state courts of California in the County of Alameda or in the United States District Court for the Northern District of California.

10.3 Severability. If a court of competent jurisdiction finds or rules that any provision of this Agreement is invalid, void, or unenforceable, the provisions of this Agreement not so adjudged shall remain in full force and effect. The invalidity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provision of this Agreement.

10.4 No Implied Waiver of Breach. The waiver of any breach of a specific provision of this Agreement does not constitute a waiver of any other breach of that term or any other term of this Agreement.

10.5 Successors and Assigns. The provisions of this Agreement shall inure to the benefit of and shall apply to and bind the successors and assigns of the parties.

10.6 Use of Recycled Products. Consultant shall prepare and submit all reports, written studies and other printed material on recycled paper to the extent it is available at equal or less cost than virgin paper.

10.7 Conflict of Interest. Consultant may serve other clients, but none whose activities within the corporate limits of City or whose business, regardless of location, would place Consultant in a "conflict of interest," as that term is defined in the Political Reform Act, codified at California Government Code Section 81000 *et seq.*

Consultant shall not employ any City official in the work performed pursuant to this Agreement. No officer or employee of City shall have any financial interest in this Agreement that would violate California Government Code Sections 1090 *et seq.* Consultant hereby warrants that it is not now, nor has it been in the previous 12 months, an employee, agent, appointee, or official of the City. If Consultant was an employee, agent, appointee, or official of the City in the previous twelve months, Consultant warrants that it did not participate in any manner in the forming of this Agreement. Consultant understands that, if this Agreement is made in violation of Government Code § 1090 *et seq.*, the entire Agreement is void and Consultant will not be entitled to any compensation for services performed pursuant to this Agreement, including reimbursement of expenses, and Consultant will be required to reimburse the City for any sums paid to the Consultant. Consultant understands that, in addition to the foregoing, it may be subject to criminal prosecution for a violation of Government Code § 1090 and, if applicable, will be disqualified from holding public office in the State of California.

10.8 Solicitation. Consultant agrees not to solicit business at any meeting, focus group, or interview related to this Agreement, either orally or through any written materials.

10.9 Contract Administration. This Agreement shall be administered by the City Manager, or his designee, identified as _____ ("Contract Administrator").

All correspondence, meeting documentation, invoices and project deliverables shall be directed to or through the Contract Administrator.

10.10 Notices. Any notice, demand, request, consent or approval that either party is required to give the other pursuant to this Agreement, shall be in writing and may be given by either (i) personal service, (ii) delivery by reputable overnight delivery service (e.g. Federal Express) which provides a receipt showing date and time of delivery, (iii) certified United States mail, postage prepaid, return receipt requested, or (iv) by email transmission . Notice shall be effective upon personal delivery or delivery to the addresses specified below, as reflected on the receipt of delivery or return receipt, as applicable.

Any written notice to Consultant shall be sent to:

Jennifer Duffy
President
Hello Housing
2335 Broadway, Floor 3,
Oakland, California 94612

All other written notices to City shall be sent to:

David Benoun City Manager City of Newark 37101 Newark Blvd. Newark, CA 94560	with a copy to	Kristopher J. Kokotaylo, City Attorney City of Newark 37101 Newark Blvd. Newark, CA 94560

10.12 Professional Seal. Where applicable in the determination of the contract administrator, the first page of a technical report, first page of design specifications, and each page of construction drawings shall be stamped/sealed and signed by the licensed professional responsible for the report/design preparation. The stamp/seal shall be in a block entitled "Seal and Signature of Registered Professional with report/design responsibility," as in the following example.

_____ Seal and Signature of Registered Professional with report/design responsibility.

10.13 Integration. This Agreement, including the scope of work attached hereto and incorporated herein as Exhibits A, B, [[and]C[, and D]] **[ENSURE THAT THE CORRECT EXHIBITS ARE LISTED]** represents the entire and integrated agreement between City and Consultant and supersedes all prior negotiations, representations, or agreements, either written or oral.

Exhibit A Scope of Services

Exhibit B	Cost Proposal
Exhibit C	Reimbursable Expenses [**DELETE IF NOT APPLICABLE**

10.14 Counterparts. This Agreement may be executed in multiple counterparts, each of which shall be an original and all of which together shall constitute one agreement.

10.15 Conflicts or Inconsistency. In interpreting this Agreement and resolving conflicts, errors, or discrepancies, the order of precedence should be:

1. This Agreement
2. The ordinances, resolutions, and policies of the City
3. The Consultant's proposal

SIGNATURES ON FOLLOWING PAGE

The Parties have executed this Agreement as of the Effective Date.

CITY OF NEWARK

_____
_____, CITY MANAGER

ATTEST:

_____
_____, CITY CLERK

APPROVED AS TO FORM:

_____
KRISTOPHER J. KOKOTAYLO
CITY ATTORNEY

HELLO HOUSING, INC.

_____
Title: Jennifer Duffy, President

EXHIBIT A

SCOPE OF SERVICES

PHASE I: PROGRAM DEVELOPMENT

TASK 1: Develop First-Time Homebuyer Down Payment Loan Program and Program Guidelines for Deed-Restricted BMR Homeownership Units

1.1 Develop First-Time Homebuyer Down Payment Loan Program
Based on accepted best practices and taking into account the City's budgetary and policy context and regional resources and/or programs that may be available, Consultant will develop detailed program guidelines and an application process for a down payment assistance loan program. Respondents to this RFP are encouraged to provide a detailed approach for this task.

1.2 Design Program Guidelines for Deed Restricted BMR Homeownership Units
In parallel with developing the First-Time Homebuyer Down Payment Loan Program, Consultant will work with City staff to develop detailed program guidelines for the City's BMR homeownership program. This will include but not be limited to the following key components:

1) Detailed program guidelines for the BMR homeownership program, including any related regulatory requirements.
2) Homebuyer application process and related program materials.
3) Resale process and requirements.
4) Portfolio management system.

PHASE II: PROGRAM IMPLEMENTATION

TASK 2: GENERAL PROGRAM ADMINISTRATION

2.1 Public Information
Consultant will respond regularly to inquiries regarding the City's homebuyer loan and BMR homeownership units, received by telephone, mail, website, referral, and email. In addition, Consultant will distribute program information to all interested parties. This information includes but is not limited to brochures, applications, program guidelines, and information regarding homebuyer education classes. City staff will maintain BMR program awareness within the Newark community and conduct informational campaigns. Consultant will maintain a single database of interested homeowners. Consultant will organize and facilitate community events and information sessions as requested by the City.

Consultant will also provide periodic training and technical assistance on BMR requirements to both developers and homebuyers.

2.2 Records Management

Consultant will maintain detailed program records including, but not limited to:

- Number of loans requested, approved, funded, and denied
- Loan recipients and units purchased
- Marketing activities
- Participant information and correspondence
- Copies of publicly available ownership records and property information

Consultant will prepare reports or memorandums summarizing the above information semi-annually or upon request of City staff. Consultant will maintain complete and accurate files, including paper and digital files. This will include scanning, printing and organizing. Consultant will track relevant information on each file and update databases regularly.

TASK 3: FIRST-TIME HOMEBUYER DOWN PAYMENT LOAN PROGRAM MANAGEMENT

4.1 Homebuyer Application Processing
Consultant will review all loan program applications and provide the City with a recommendation for approval or rejection based on current best practices standards. For approved applicants, Consultant will prepare the necessary information and documentation, and provide it to the City for execution and to the escrow officer in a timely manner to ensure a successful closing.

4.2 First-Time Homebuyer Down Payment Loan Closings
Consultant will work directly with potentially eligible loan program applicants, as well as with other parties to the potential transaction including real estate agents, lenders, mortgage brokers, and/or contractors, to facilitate the closing of City loans. Consultant will work proactively throughout the process to identify and resolve any potential problems.

TASK 4: BMR HOMEOWNERSHIP PROGRAM MANAGEMENT

5.1 Sale and Resale Management
Consultant will coordinate with developers for initial sales and BMR homeowners interested in selling their BMR unit to ensure that the listing, marketing, and sale comply with the program guidelines. Consultant will calculate the maximum resale price, which may include an allowance for capital improvements, review the listing agreement, authorize the MLS listing of the home, and conduct an inspection of the BMR unit to ensure that the home is in good repair and clean, ensure the marketing guidelines are followed, and coordinate with the homeowner, real estate agent, and title company on the sale of the house.

5.2 Purchaser Eligibility Review
Consultant will review applications for the purchase of BMR units to determine the household's eligibility. Consultant will work directly with applicants, as well as with their real estate agent, lender, and/or mortgage broker, during the application period and throughout the transaction to facilitate the close of escrow. Consultant will work proactively with all parties to identify and resolve any issues and will maintain the necessary information and documentation and provide it to the escrow officer in a timely manner to ensure a timely closing.
5.3 Purchaser Selection Process and Implementation

Consultant will work with City to establish and implement a purchaser selection process to market, screen, and select eligible buyers in line with City priorities.

TASK 5: ASSET MANAGEMENT – ALL AFFORDABLE HOMEOWNER PROGRAMS

6.1 Loan Portfolio Management
Consultant will process requests related to existing program assets, including BMR units and outstanding loans. Requests may include, but are not limited to:

- Capital improvement credits
- Loan retirements and repayments
- Reconveyances/quit claims
- Subordination
- Trusts

Note: Once the program has been initiated, the City anticipates processing on average five (5) transactions annually, however, this does not include requests that are initiated but not completed by the homeowner.

6.2 Owner Occupancy Monitoring
Consultant will monitor owner-occupancy requirements for the housing programs, as applicable, and provide foreclosure prevention referrals to homeowners and recommendations on asset retention to the City. Consultant will prepare demands for loan repayments and demands for the sale of non-owner occupied BMR units and will initiate foreclosure proceedings, if necessary, upon the direction of the City Staff.

EXHIBIT B

COMPENSATION SCHEDULE



CITY OF NEWARK

2023-2031 HOUSING ELEMENT

HCD COMPLIANT DRAFT

December 1, 2023

NEWARK
california

NEWARK 2023-2031 HOUSING ELEMENT TABLE OF CONTENTS

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City of Newark Staff

Steven Turner, Community Development Director

Art Interiano, Assistant Community Development Director

Carmelisa Lopez, Senior Planner

Joseph Balatbat, Associate Planner

Consultant Team

Paul Peninger, BAE Urban Economics

Community Planning Collaborative
Clara Cheeves
Bowen Close
Josh Ellsworth
Corinne Tsai

Newark Community

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- Housing Consortium of the East Bay
- Promotores
- Second Chance Inc.
- Newark Public Library
- Newark Unified School District: Newark Parent leadership team
- Newark Planning Commission

SECTION 1 INTRODUCTION

The city of Newark is a growing, vibrant, multicultural city with a diverse commercial and business sector, and an inclusive community character. The City is committed to ensuring that all current and future residents continue to enjoy Newark's distinctive attributes through the implementation of policies and programs that ensure that all residents have access to housing that meets the full range of household and community needs. To this end, the City is currently engaged in the implementation of an ambitious affordable housing work plan adopted by the Newark City Council in May, 2021. This Work Plan lays the foundation for the update of the City's General Plan Housing Element, an opportunity for Newark to plan for housing to meet the needs of all segments of Newark's diverse community.

A. Purpose and Organization of the Housing Element

Housing Element Purpose

California law recognizes the vital role that local governments play in the availability, adequacy, and affordability of housing. Every jurisdiction in California is required to adopt a long-range General Plan to guide its physical development, and the Housing Element is one of the seven required elements of the General Plan. Housing Element law mandates that local governments adequately plan to meet the existing and projected housing needs of all economic segments of the community. The law recognizes that in order for the private market to adequately address housing needs and demand, local governments must adopt land use plans and regulatory systems that provide opportunities for, and do not unduly constrain housing production. Housing Element statutes also require the State Department of Housing and Community Development (HCD) to review local housing elements for compliance with State law and to report their findings to the local government.

California's Housing Element law requires that each city and county develop local housing programs to meet its "fair share" of existing and future housing needs for all income groups. The Association of Bay Area Governments (ABAG) is responsible for developing and assigning these regional needs, or "RHNA", to Bay Area jurisdictions. Pursuant to the RHNA planning period, the Newark Housing Element is an eight-year plan extending from 2023 to 2031, also referred to as the 6th Cycle Housing Element.

Newark's Housing Element identifies strategies and programs that focus on:

1. Preserving and improving existing housing
2. Removing governmental and other constraints to housing development
3. Promoting and expanding fair and equitable housing opportunities
4. Assisting in the creation of new affordable housing in the City
5. Providing sites for new housing to be built
6. Addressing existing and emergent housing challenges related to climate change

Element Organization

The 2023-2031 Newark Housing Element is comprised of the following major components:

- An introduction to review the requirements of the Housing Element, recent State laws and the community engagement process
- A community profile evaluating Newark's demographic, household and housing characteristics and related housing needs
- An analysis of governmental and non-governmental constraints on housing production and maintenance
- A detailed analysis of sites to accommodate the City's RHNA for the planning period
- An evaluation of available resources to facilitate the production and maintenance of housing, including housing sites, financial and administrative resources available for housing, and opportunities for energy conservation
- A Housing Plan for addressing the City's identified housing needs, constraints and resources; including housing goals, policies and programs

A series of appendices provide additional documentation.

- **Appendix A** is a presentation of the Housing Needs analysis.
- **Appendix B** provides a summary of public input received from the variety of community engagement opportunities undertaken throughout the Housing Element update process.
- **Appendix C** presents the parcel-specific Housing Element sites inventory.

B. Changes in State Housing Law

In response to California's worsening affordable housing crisis, in each of the last several years the State legislature has enacted a series of bills aimed at increasing production, promoting affordability and creating greater accountability for localities in addressing their housing needs. The following items in Table 1-1 represent substantive changes to State housing law since Newark's last Housing Element was adopted and certified in 2014.

Table 1-1: New State Housing Laws Relevant to Housing Element Update

Housing Bills	Bill Overview
Housing Element Sites Analysis and Reporting AB 879 (2017); AB 1397 (2017); SB 6 (2019)	Requires cities to zone more appropriately for their share of regional housing needs and in certain circumstances require by-right development on identified sites. Site analysis must also include additional justification for being chosen, particularly for sites identified to address lower income needs.
No Net Loss Zoning SB 166 (2017)	Requires cities to identify additional low-income housing sites in their Housing Element when market- rate housing is developed on a site currently identified for low-income housing.
Affirmatively Furthering Fair Housing AB 686 (2017)	Housing Elements must contain an Assessment of Fair Housing, consistent with the federal Affirmatively Furthering Fair Housing (AFFH) Final Rule. The AFFH sections must include a summary of fair housing issues in the jurisdiction; a summary of fair housing data including contributing factors to fair housing issues; analysis of Housing Element sites in relation to AFFH; and an AFFH program that includes meaningful action.
Accessory Dwelling Units and Junior Accessory Dwelling Units AB 494 (2017), SB 229 (2017), AB 68 (2019), AB 881 (2019), AB 587 (2019), SB 13 (2019), AB 670 (2019), AB 671 (2019), AB 3182 (2020)	The State enacted legislation in both 2017 and 2019 to further assist and support the development of ADUs, including "by right" approval for one-bedroom units less than 850 square feet and two-bedroom units less than 1,000 square feet. and Junior ADUs less than 500 square feet.
Density Bonus AB 1763 (2019), AB 2345 (2020)	Permits 100% affordable projects to be built denser and taller through three modifications to current Density Bonus Law. AB 2345 creates additional incentives and also requires the annual progress report to include if density bonuses have been granted.
Housing Crisis Act of 2019 SB 330 (2019)	Seeks to boost homebuilding by expediting approvals for housing development, including application processing times. SB 339 also prevents jurisdictions from decreasing a site's housing capacity through tools such as downzoning if that would preclude a jurisdiction from meeting its RHNA targets. Also, any project that includes demolition of housing units must replace or exceed that number of units. Any demolished units occupied by low-income households must be replaced with new units that are affordable to that same income level.

Housing Bills	Bill Overview
Surplus Land for Affordable Housing SB 1486 (2019), AB 1255 (2019)	Expands definition of surplus land and puts additional restrictions on the disposal of surplus land. Jurisdictions must include information about surplus lands in the Housing Element and Annual Progress Reports. A central inventory of surplus lands also must be submitted to HCD.
Emergency and Transitional Housing Act AB 139 (2019)	Amends assessment method to show site capacity, including using the most up-to-date point-in-time count. Additionally, the bill modifies parking requirement for emergency shelters. The Housing Element must include all of this information as well as analysis of the jurisdiction's special needs populations.
Supportive Housing Streamlined Approval AB 2162 (2018)	Requires supportive housing to be a use by right and eliminates parking if close to transit.
Safety Element Changes SB 1035 (2018), SB 99 (2019), SB 747 (2019)	Updates requirements for the General Plan Safety Element including expanded information on environmental hazards facing jurisdictions and analysis of emergency evacuation routes. These updates must occur at the same time as the Housing Element updates.

C. Relation to Other General Plan Elements

The City of Newark's General Plan is comprised of the following eleven Chapters: 1) Introduction; 2) Planning Framework; 3) Land Use; 4) Transportation; 5) Housing; 6) Economic Development; 7) Conservation and Sustainability; 8) Parks, Recreation, and Open Space; 9) Environmental Hazards (to be renamed Safety Element); 10) Health and Wellness; and 12) Community Services and Facilities. Except for the Housing Element which was updated to be consistent with other elements, the other Newark General Plan Elements were adopted by the Newark City Council on December 12, 2013. State law requires that the General Plan be internally consistent. The Housing Element is consistent with Goals and Policies of the other elements of the General Plan.

The City will ensure consistency between the Housing Element and the other General Plan elements so that policies introduced in one element are consistent with other elements. Whenever any element of the General Plan is amended in the future, the Housing Element will be reviewed and modified, if necessary, to ensure continued consistency between elements.

General Plan and Housing Element Consistency

The City of Newark's General Plan, adopted in 2013, is the city's long term vision for the growth and development. There are a number of elements that are interconnected with the goals and policies of the Housing Element: The Land Use Element, Transportation Element, Economic Development Element, and the Health and Wellness Element.

The Land Use Element seeks to encourage redevelopment and promote infill in strategic areas to create new pedestrian oriented, high-density, mixed-use, and transit-oriented development, especially around the proposed Dumbarton Rail station and Old Town neighborhood. The Land Use Element seeks to ensure that the design of new development is responsive to existing residential neighborhoods and community character. The Land Use Element's policies and actions encourage new housing opportunities for all residents, through increasing ADU production and inclusionary zoning, to co-locate services, parks and recreation to increase access to residential opportunities.

The Transportation Element reinforces elements of the Land Use Element through the emphasis on high density, mixed use housing development in proximity to public transportation. The element also looks at the addressing parking requirements for housing to ensure the number of parking spaces is reflective to the use, resident type and location.

The Economic Development Element is focused on the revitalization of the NewPark Mall area, reducing commuter times through jobs housing balance, and ensuring that new development has a positive economic impact for the city.

The Health and Wellness Element looks at connecting land use planning with the reduction of greenhouse gas emissions and general community health through increasing access to healthy foods. This year a new chapter will be added to the Health and Wellness Element, this chapter will work to:

- Reduce **pollution exposure** and improve **air quality**
- Promote access to **public facilities**
- Promote access to **healthy foods**
- Promote **safe and sanitary homes**
- Promote **physical activity**
- Promote **civic engagement**

Upon adoption, this Housing Element will be incorporated into the 2013 General Plan, updating the existing Housing Element. This Housing Element was prepared to maintain internal consistency with other elements of the General Plan. In addition, State law requires that other General Plan elements be reviewed and/or modified upon adoption of the Housing Element. Senate Bill (SB) 1035 requires the safety element to be revised upon update of the Housing Element to include new information on fire hazards, flood hazards, and climate adaptation and

resilience strategies. The City will be updating the Environmental Hazards Element (to be renamed the Safety Element) in conjunction with the 2023-2031 Housing Element update. The City will maintain consistency between the Housing Element and the other General Plan elements so that policies introduced in one element are consistent with other elements.

D. Community Engagement

The City of Newark maintains an ongoing commitment to providing meaningful community engagement in partnership with community based organizations and in collaboration with other city departments in order to reach all segments of the population.Through a multi-pronged and multi-lingual approach, City staff worked to provide opportunities for community engagement over the course of the Housing Element update process.

Findings from the Community Engagement process were used to inform Newark's Fair Housing Assessment and the goals, policies, and programs of the Housing Element update. See Section 3 (Affirmatively Furthering fair Housing) and 6 (Goals, Policies, & Programs) for more information.

Public Comment from HCD review process

During the HCD Review process, the City received comment letters from East Bay for Everyone, Save the Bay, Greenbelt Alliance and the Planning Commission and the public. Comments and responses received during the comment period focused on making adjustments to parking to better facilitate affordable housing development, programs to increase missing middle housing, aligning housing with active transportation investments and concern about housing development in the floodplain areas of the city. Comment letters and responses can be found in Appendix D.

Outreach Methods Utilized:

Social Media

The City and consultants utilized social media promotion for pop up events, promoting the website and a housing survey through Facebook. Content was posted on Facebook pages for the City of Newark, Newark Unified School District, Promotores, and Newark Recreation and Community Services.

Posters and Flyers

In addition to social media, the city used more traditional forms of communication, including the distribution of posters and flyers. Posters were distributed and posted in a variety of public places throughout the city, including parks, community centers, and other public buildings, local

businesses and with faith-based communities. Posters and flyers were translated into Spanish, Simplified Chinese, Vietnamese and Tagalog in order to reach a broad spectrum of the community.

Places the city posted:

- Newark Public Library
- Mel Nunes Skate Park
- NewBark Dog Park
- Restaurants in partnership with community groups
- Senior Center
- Silliman Community Activity Center
- Newark Community Center and childcare center

Flyers were shared at popular and frequented sites in the community and distributed at in-person community events. The flyers had a QR code that connected residents directly to the website and housing survey.

Website

The city also created a unique, dedicated stand-alone website that is translatable in three languages, and also touches on issues of environmental justice. The website is the hub for the community to access information on the housing element update and opportunities for engagement including in-person events, email updates, and our survey.

In Person Engagement: Meeting The Community Where They Are

The city conducted in person community engagement in a variety of locations and events around the city. They engaged with residents at Family Day in the Park on April 9, 2022, spent time connecting with folks at the Newark Public Library on a busy Saturday, visited the senior center for Bingo, and Tri City food pantry mobile pop up. These provided an opportunity for city staff to answer questions, and encourage residents to take part in the housing survey.

One On One Interviews and Listening Sessions

The city conducted one-on-one interviews with staff from the Housing Consortium of the East Bay (HCEB), an organization that creates inclusive communities for individuals with developmental disabilities or other special needs, and a member of the Newark Parent leadership team with Newark Unified School district. We gained insight and guidance into the needs of families and those with developmental disabilities.

Meeting with a member of the Newark Parent leadership team, the city heard there needs to be more affordable housing, as families are being displaced, or forced to live in hotels on a short-term basis. The member shared that households are kept out of the rental market due to unattainable

income requirements, and they cited the need for rent control in order to make housing more attainable. There is a need to have more homeownership opportunities that are attainable to a larger demographic. The lack of stable housing and internet access places these children at a disadvantage both educationally, mentally and physically. Increasing access to enrichment and after school activities at the Silliman Center was seen as a beneficial element for the city to develop in conjunction with affordable housing.

Survey

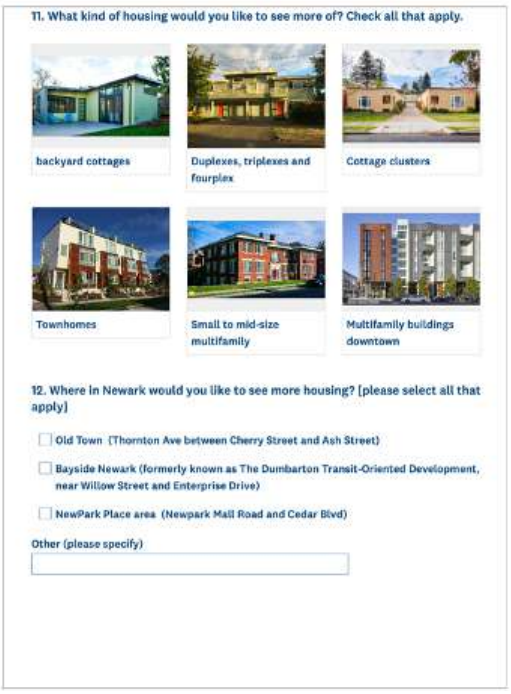
From March 15th through April 30th 2022, 342 people participated in the City of Newark's online community conversation about housing issues and opportunities in Newark. 300 of those responses were in English, 38 in Spanish and 4 in Chinese.

Participants were invited to answer a series of 22 questions covering housing experience and preference, environmental justice and demographic information. The survey was hosted on the SurveyMonkey platform accessible via the city's webpage.

The survey was distributed and advertised in multilingual materials through various platforms to reach as broad of a cross section of the community as possible. It was promoted through the social media pages of the City of Newark, Newark Recreation and Community Services, Newark Police Department, and Newark Unified School District. It was also listed in print newsletters that were sent to all Newark residents, the Clark W. Redeker Newark Senior Center email list, and the Alameda County Health Department Developmental Disabilities council list. To reach those lacking internet access, we conducted in-person outreach at the city's Family Day in the Park event and the Newark Library where residents and workers could take our survey on paper or an iPad.

We also utilized our partnerships with local organizations to share our survey with special needs populations. We worked in partnership with the group Promotores to reach the Latino community. We also reached out to nonprofit organizations that support people experiencing and escaping from domestic violence, and transitioning from homelessness, to share the survey with them. With the intention of connecting with families, we reached out to the Newark Unified School District parent leadership committees, and was able to gain valuable insight into the needs of families in the city.

Essential insight from the survey is that quality of life, in addition to increasing housing affordability and homeownership opportunities for Newark residents is of great importance and concern. For the full survey questions and responses, see Appendix B.



Example survey page



Example flyer

WHAT WE HEARD **Residents are very concerned about housing affordability**

53% of respondents to the English language survey are very concerned about housing affordability. 87% of respondents in the Spanish language survey are very concerned about housing affordability.

The three biggest issues to address for housing affordability:

1. More homeownership opportunities, especially affordable homeownership for first time homebuyers
2. More affordable rental opportunities
3. Low cost home improvements for seniors and low income households

The most urgent affordable housing needs are: housing on both ends of the spectrum. Housing for large families as well as for smaller households.

1. Housing for families: Large and intergenerational. Housing for single parents was brought up in comments repeatedly throughout the survey
2. Housing for smaller households
3. Housing for low income and underserved households
4. Housing for seniors

WHAT WE HEARD **Housing prices have risen, making housing unaffordable to many**

- 40% of respondents are in housing that is not affordable to them
- 17% of respondents are in housing that they can afford but does not meet their needs
- 43% in housing they can afford and like

WHAT WE HEARD **Not everyone feels that they live in a neighborhood of opportunity**

What would make your neighborhood feel like it has more opportunity?

1. City infrastructure that supports physical activity, including sidewalks, bike lanes, parks, and rec centers
2. Affordable, safe, and healthy housing choices
3. Educational opportunities that are academically and culturally supportive

WHAT WE HEARD **People are interested in a variety of housing types**

Residents were most interested in low scale housing types. Backyard cottages were the most favorable housing type. Cottage clusters and Townhomes were similarly favored housing types, while small to mid-size multifamily housing and multi-family buildings downtown were the least favored.

Who We Heard From

There were 342 overall participants, 300 of which responded in English, 38 in Spanish and 4 in Chinese.

There were five demographic questions, including the survey respondent's connection to Newark, living situation, age and race. This information helped us understand if participants were representative of the city's general population and helped us refine subsequent outreach and engagement to improve representation.

In summary, most participants identified as White (31%), followed by Hispanic/Latino (24%) and Asian/Asian American (18%). While nearly half were between the ages of 30 and 49, the remaining were split between people aged 20 to 29 (3%), 50 to 69 (21%), and over 70 (5%). The majority of respondents live in Newark (71%) and in a single family home (57%), and nearly half are homeowners (49%).

Community Meeting

The City held an online community meeting with 50 attendees on June 22 2022, to share with the community the findings from the survey and obtain general feedback on proposed goals and

policies that we had developed in response to research and survey results. We advertised the meeting through email communication to local organizations, posters in laundromats and grocery stores such as 99 Ranch that are located in low-income neighborhoods with a majority of BIPOC community members, as well as on social media sites for the Newark Public Library, the parents of NUSD, community organizations such as the Promotores, and the City of Newark. The meeting provided simultaneous translation in both Mandarin Chinese and Spanish, with small break out groups to help residents feel comfortable discussing their thoughts.

WHAT WE HEARD **Newark needs to plan for climate change**

- Making Newark the green city by the bay: Incorporating and increasing access to public parks, preserving existing ecologically sensitive land, and increasing tree planting to combat increased heat
- Building for energy efficiency: requiring solar panels on homes, insulation, and water conservation
- Increasing access to transportation options: increasing bus access, and building bike lanes to support active transportation with bikes and scooters.
- Building a walkable city: planning housing close to existing amenities such as schools, parks and grocery stores for walkability

WHAT WE HEARD **Residents want to stay in their communities, and right now it's challenging, with many facing displacement**

- Supportive resources: Residents, documented and undocumented, need more support and increased access to housing resources and tenant protections

  "We all deserve housing"

- Innovative programs: Seniors on a fixed income need more support to remain in their homes and communities

  "Developing a shared housing program with others that need a room to rent, connect seniors with single people who need affordable housing. Helps seniors on limited incomes"

- Protect tenants: The city needs programs to combat gentrification such as protections from rapid increases in rent

  "Rents increase but our incomes do not. The median income is really very high for Newark, so you have a lot of people who need housing at the low and very low incomes."

- Build + preserve homes: More affordable housing is needed for a variety of income levels and housing types. Families, and those transitioning out of homelessness are especially in need.

  "It is very hard to move people who have been homeless into permanent housing, we need more options for those that are on SSI and extremely low incomes" – Director of Second Chance

Public Communication for the Draft Housing Element

Newark released the Draft Housing Element for Public Review for 30 days on February 24th, 2023 to March 27th, 2023. The greater Newark community was made aware of the public review and comment period through a variety of channels, including social media, email, the website and a community meeting.

Social media outreach was conducted multiple times a week, with bilingual posts in English and Spanish connecting residents with information about the housing element update such as the release of the draft for comment and the community meeting.

City staff sent out an email announcement that the housing element is available for public comment to 16 community based organizations that are representative of the ethnic and linguistic diversity of Newark. Other organizations included the Alameda County coalition for disability, Def plus, and the domestic violence shelter. Working with the Newark Unified School District, Newark sent out a bilingual community meeting invite over Peachjar, sending the message to parents and caregivers district wide. City staff engaged with the Spanish speaking community, meeting with the local Promotoras group and providing a translated summary of the housing element in Spanish on the website.

Newark hosted a virtual community meeting, the evening of March 22nd, 2023. The meeting provided Spanish and American Sign Language translation to ensure the attendees would be able to participate fully. City staff got the word out through email, social media posts on city and public library sites, and bilingual posters in key locations such as community center, library and laundry mat to reach those without access to the internet.

The website continues to be a source of information for updates on community meetings and Housing Element timelines. A recording providing the public with an overview of the housing element update, how to access and review the draft, the draft goals and a highlight of some of the proposed programs was posted to walk community members through the process.

Detailed Public Comments are provided as Appendix D below.

SECTION 2 HOUSING NEEDS

The Housing Needs Assessment analysis of housing and population characteristics, housing needs for vulnerable population groups, as well as the cities growth and employment, to provide the foundation for the development of the goals, policies and programs to meet the future and current needs of the residents.

This section pulls from various sources, primary data sources were compiled by the Association of Bay Area Governments (ABAG) in 2021. ABAG utilized the US Census, American Community Survey (ACS), the US Department of Housing and Urban Development (HUD), California Department of Finance (DOF), California Employment Development Department (EDD). If possible, data was updated to most recent available data and local sources were utilized.

SUMMARY

- **Population** – Generally, the population of the Bay Area continues to grow because of natural growth and because the strong economy draws new residents to the region. The population of Newark increased by 15.3% from 2000 to 2020, which is above the growth rate of the Bay Area
- **Age** – In 2019, Newark's youth population under the age of 18 was 10,015 and senior population 65 and older was 6,038. These age groups represent 21.2% and 12.8%, respectively, of Newark's population.
- **Race/Ethnicity** – In 2020, 23.7% of Newark's population was White while 3.9% was African American, 33.9% was Asian, and 34.8% was Latinx. People of color in Newark comprise a proportion above the overall proportion in the Bay Area as a whole.[1]
- **Employment** – Newark residents most commonly work in the *Manufacturing, Wholesale & Transportation* industry. From January 2010 to January 2021, the unemployment rate in Newark decreased by 3.7 percentage points. Since 2010, the number of jobs located in the jurisdiction has increased by 4,650 (29.9%). Additionally, the jobs-household ratio in Newark has increased from 1.33 in 2002 to 1.49 jobs per household in 2018.

[1] The Census Bureau's American Community Survey accounts for ethnic origin separate from racial identity. The numbers reported here use an accounting of both such that the racial categories are shown exclusive of Latinx status, to allow for an accounting of the Latinx population regardless of racial identity. The term Hispanic has historically been used to describe people from numerous Central American, South American, and Caribbean countries. In recent years, the term Latino or Latinx has become preferred. This report generally uses Latinx, but occasionally when discussing US Census data, we use Hispanic or Non-Hispanic, to clearly link to the data source.

- **Number of Homes** – The number of new homes built in the Bay Area has not kept pace with the demand, resulting in longer commutes, increasing prices, and exacerbating issues of displacement and homelessness. The number of homes in Newark increased, 11.2% from 2010 to 2020, which is *above* the growth rate for Alameda County and *above* the growth rate of the region's housing stock during this time period.
- **Home Prices** – A diversity of homes at all income levels creates opportunities for all Newark residents to live and thrive in the community.
    - **Ownership** – The largest proportion of homes had a value in the range of $750k-$1M in 2019. Home prices increased by 133.9% from 2010 to 2020.
    - **Rental Prices** – The typical contract rent for an apartment in Newark was $2,110 in 2019. Rental prices increased by 61.1% from 2009 to 2019. To rent a typical apartment without cost burden, a household would need to make $84,720 per year.[2]
    - **Housing Type** – It is important to have a variety of housing types to meet the needs of a community today and in the future. In 2020, 69.6% of homes in Newark were single family detached, 9.5% were single family attached, 4.4% were small multifamily (2-4 units), and 16.5% were medium or large multifamily (5+ units). Between 2010 and 2020, the number of single- family units increased more than multi-family units. Generally, in Newark, the share of the housing stock that is detached single family homes is above that of other jurisdictions in the region.
- **Cost Burden** – The U.S. Department of Housing and Urban Development considers housing to be affordable for a household if the household spends less than 30% of its income on housing costs. A household is considered "cost-burdened" if it spends more than 30% of its monthly income on housing costs, while those who spend more than 50% of their income on housing costs are considered "severely cost-burdened." In Newark, 19.2% of households spend 30%-50% of their income on housing, while 12.4% of households are severely cost burdened and use the majority of their income for housing.
- **Neighborhood** – 9.7% of residents in Newark live in neighborhoods identified as "Highest Resource" or "High Resource" areas by State-commissioned research, while 11.0% of residents live in areas identified by this research as "Low Resource" or "High Segregation and Poverty" areas. These neighborhood designations are based on a range of indicators covering areas such as education, poverty, proximity to jobs and economic opportunities, low pollution levels, and other factors.[3]

[2] Note that contract rents may differ significantly from, and often being lower than, current listing prices.
[3] For more information on the "opportunity area" categories developed by HCD and the California Tax Credit Allocation Committee, see this website: https://www.treasurer.ca.gov/ctcac/opportunity.asp. The degree to which different jurisdictions and neighborhoods have access to opportunity will likely need to be analyzed as part of new Housing

- **Special Housing Needs** – Some population groups may have special housing needs that require specific program responses, and these groups may experience barriers to accessing stable housing due to their specific housing circumstances. In Newark, 7.6% of residents have a disability of any kind and may require accessible housing. Additionally, 18.7% of Newark households are larger households with five or more people, who likely need larger housing units with three bedrooms or more. 11.8% of households are female-headed families, which are often at greater risk of housing insecurity.

A. Population Growth and Trends

In recent decades, Newark's population has seen rapid growth, with an increase of 15.3 percent from 2000 to 2020; this rate is above that of the region as a whole, at 14.8 percent. In 2020, the population of Newark was estimated to be 48,966 (see Table 2-1). From 1990 to 2000, the population increased by 12.2 percent, while it increased by just 0.2 percent during the first decade of the 2000s. In the most recent decade, the population increased by 15 percent. The population of Newark makes up three percent of the population in Alameda County.

Table 2-1: Population Growth Trends

Geography	1990	1995	2000	2005	2010	2015	2020
Newark	37,861	39,681	42,471	43,522	42,573	44,371	48,966
Alameda County	1,276,702	1,344,157	1,443,939	1,498,963	1,510,271	1,613,528	1,670,834
Bay Area	6,020,147	6,381,961	6,784,348	7,073,912	7,150,739	7,595,694	7,790,537

Source: California Department of Finance, E-5 series

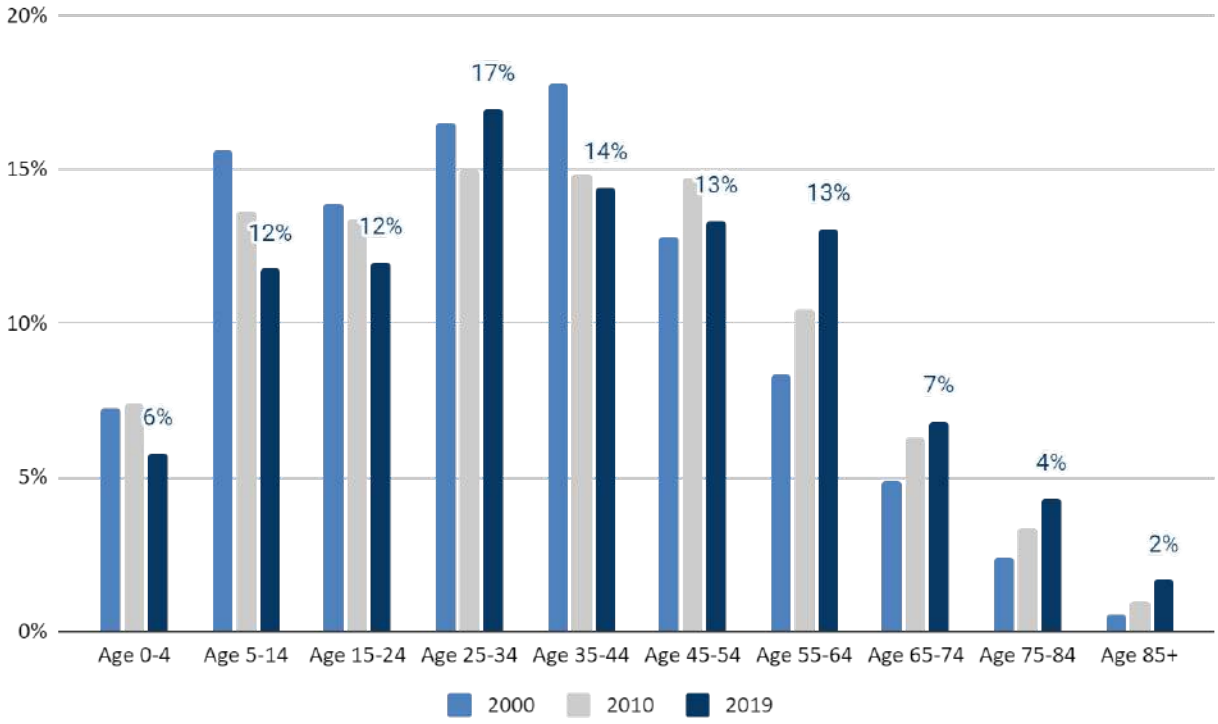
Age

In recent years the population of youth has declined slightly with continued growth in those 55 and over. In 2019, Newark's youth population under the age of 18 was 10,015 and the senior population 65 and older was 6,038. These age groups represent 21.2 percent and 12.8 percent of Newark's population. Figure 2-1 shows slight increases in population in the 25-34 age group, and the 55 to 64+ age group. The increase in senior population can possibly be attributed to the establishment of a new affordable senior housing development. Community members have shown a preference for more walkable, mixed-use neighborhoods that are close to work, schools, parks, and amenities. The majority of seniors prefer to stay in their homes and communities, known as *aging-in-place*. Yet many live on fixed incomes and may have mobility issues as they age, which

Element requirements related to affirmatively furthering fair housing. ABAG/MTC will be providing jurisdictions with technical assistance on this topic this summer, following the release of additional guidance from HCD.

require supportive services. Similar financial and mobility obstacles exist for many of Newark's households with special needs. Younger generations are less likely to own homes and have less savings than previous generations; they are more likely to live alone and delay marriage. Yet, many are growing their families, reflected by a higher percentage of families with children in Newark versus the County and Bay Area, and therefore may be in greater need of support when purchasing their first home. Coupled with increasing housing prices, it is more difficult for younger generations to rent or purchase a home than it is for current residents. For these reasons, Newark residents consider the three biggest issues to address housing affordability as: (1) more homeownership opportunities, especially for first time homebuyers; (2) more affordable rental opportunities; and (3) low cost home improvements for seniors and low income households. We therefore must address how to support our seniors as they get older so they can stay in their homes and communities, and make sure young people and households with special needs, new families, and our workers can find housing that is affordable and accessible.

Figure 2-1: Population by Age, 2000 to 2019



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B01001

Race & Ethnicity

Since 2000, the percentage of residents in Newark identifying as White has decreased – and at the same time, the percentage of residents of all *other* races and ethnicities has *increased* – by 18.6 percentage points, with the 2019 population standing at 11,168 (see Table 2-2). In absolute terms, the *Asian / API*, *Non-Hispanic* population increased the most while the *White*, *Non-Hispanic* population decreased the most. In 2020, 23.7 percent of Newark's population was White while four percent was African American, 33.9 percent was Asian, and 34.8 percent was Latinx. People of color in Newark comprise a proportion above the overall proportion in the Bay Area as a whole.[4] When planning for housing, we need to consider a variety of housing needs—like larger homes for multi- generational families or those with more children—and how to create opportunities for everyone to access quality, affordable housing near schools, transit, jobs, and services.

Past exclusionary practices have prevented people of color from purchasing homes, living in certain neighborhoods, and building wealth over time. As a result, they are more likely to experience poverty, housing insecurity, displacement, and homelessness. And while many of our communities are very diverse, we are still contending with segregation and a lack of equitable opportunities. To help prevent displacement due to gentrification and to create a future where it is possible for everyone to find the housing they need, it will be important to plan for a variety of housing types and affordability options in all neighborhoods.

Table 2-2: Population by Race 2000 to 2019

Year	American Indian or Alaska Native	Asian / API	Black or African American	White	Other Race or Multiple Races	Hispanic or Latinx
2000	148	9,329	1,639	17,103	128	12,145
2010	95	12,005	1,908	11,726	1,845	14,994
2019	130	16,002	1,818	11,168	1,661	16,392

Source: U.S. Census Bureau, Census 2000 SF1, Table P12; U.S. Census Bureau, Census 2010 SF1, Table P12; U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B01001

[4] The Census Bureau's American Community Survey accounts for ethnic origin separate from racial identity. The numbers reported here use an accounting of both such that the racial categories are shown exclusive of Latino status, to allow for an accounting of the Latinx population regardless of racial identity. The term Hispanic has historically been used to describe people from numerous Central American, South American, and Caribbean countries. In recent years, the term Latino or Latinx has become preferred. This report generally uses Latino, but occasionally when discussing US Census data, we use Hispanic or Non-Hispanic, to clearly link to the data source.

Employment Characteristics

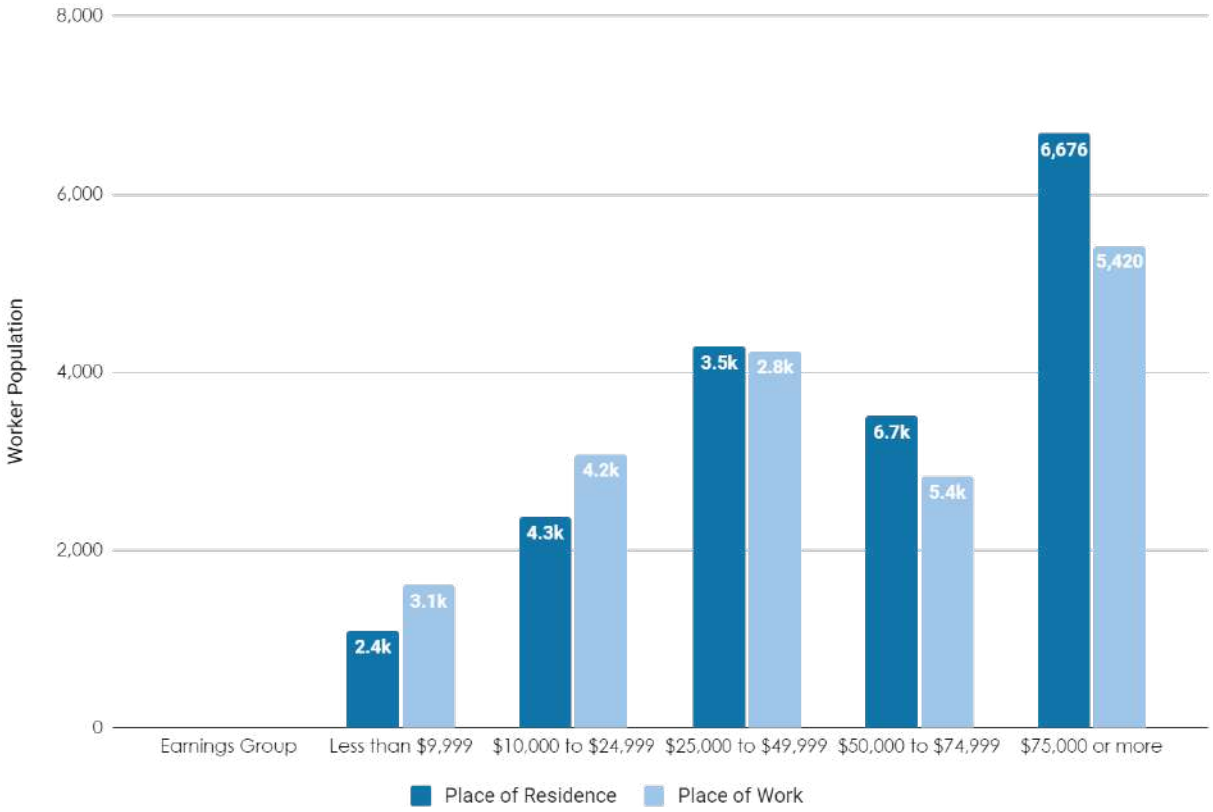
By 2050 the number of jobs in South Alameda County will increase to 221,000, 19% of the projected growth for the County[5] In Newark there are 17,935 employed residents, and 17,168 jobs[6] - the ratio of jobs to resident workers is 0.96; Newark is *a net exporter of workers*. Despite the overall job growth expected in the county, 92 percent of Newark residents work outside of the City, with a greater number today employed in the peninsula and Silicon Valley.

Figure 2-2 shows the balance when comparing jobs to workers, broken down by different wage groups, offering additional insight into local dynamics. A community may offer employment for relatively low- income workers but have relatively few housing options for those workers - or conversely, it may house residents who are low wage workers but offer few employment opportunities for them. Such relationships can potentially contribute to an unbalanced demand for housing in particular price categories. A relative *surplus* of jobs relative to residents in a given wage category suggests the need to import those workers, while conversely, surpluses of workers in a wage group relative to jobs means the community will export those workers to other jurisdictions. Newark has more low-wage *jobs* than low-wage *residents* (where low-wage refers to jobs paying less than $25,000). At the other end of the wage spectrum, the city has more high-wage *residents* than high-wage *jobs* (where high-wage refers to jobs paying more than $75,000). In addition to the inflow of workers, our population is growing naturally, meaning more people are living longer while our children are growing up and moving out into homes of their own. All of this impacts housing demand.

[5] Plan Bay Area 2050 Projected Growth Pattern.

[6] Employed *residents* in a jurisdiction is counted by place of residence (they may work elsewhere) while *jobs* in a jurisdiction are counted by place of work (they may live elsewhere). The jobs may differ from those reported abode as the source for the time series is from administrative data, while the cross-sectional data is from a survey.

Figure 2-2: Wage or Works by Place of Residence and Work, by Income, 2015- 2019



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B08119, B08519

B. Housing Tenure

The 2020 Decennial Census estimates a total of 15, 371 housing units in Newark, with 14,946 as occupied housing units . Of these occupied housing units, 10,185 or 68 percent were owner occupied and 4,761 or 32 percent were renter occupied, compared to approximately 47 percent of Alameda County households that rent and 44 percent of Bay Area households.

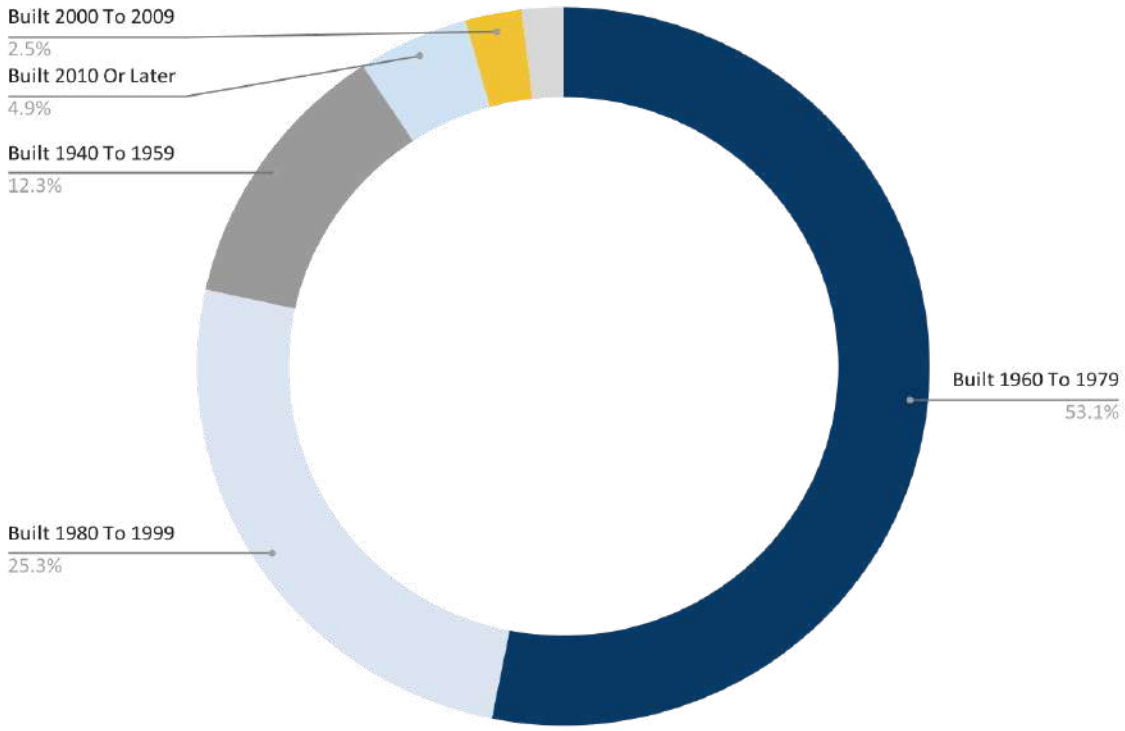
Housing Stock Characteristics

This section examines housing stock in Newark from age, condition, type to understand current and emerging needs and analyzing vacancy and cost to understand the affordability.

Housing Age and Type

Housing in Newark was primarily built before 1980, with 53 percent built from 1960 to 1979 (see Figure 2-3). In 2020, 70 percent of homes in Newark were single family detached, 9.5 percent were single family attached, four percent were small multifamily (2-4 units), and 16.5 percent were medium or large multifamily (5+ units). Between 2010 and 2020, the number of single-family units increased more than multi-family units. Generally, in Newark, the share of the housing stock that is detached single family homes is above that of other jurisdictions in the region. With 10,385 single family homes in 2020 and 659 two to four unit homes, there is opportunity for Newark to support the increase of missing middle housing types. Programs such as SB9 can further support these efforts, as well as program H2.8 Zoning for Missing Middle Housing.

Figure 2-3: Housing Age



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019: Table B25034

Table 2-3: Number and Type of Housing Units in Alameda County 2022

POPULATION			HOUSING UNITS												
City	Household	Total Housing Units	Single Family Detached		Single Attached		Two to Four		Five Plus		Mobile Homes		Occupied	Vacancy Rate	Persons per Household
			#	%	#	%	#	%	#	%	#	%			
Alameda	75,677	33,524	13,993	41.7%	3,482	10.4%	6,003	17.9%	9,920	29.6%	126	0.4%	31,473	6.1%	2.40
Albany	18,450	7,946	4,864	61.2%	277	3.5%	954	12.0%	1,823	22.9%	28	0.4%	7,545	5.0%	2.45
Berkeley	105,151	52,921	21,534	40.7%	2,128	4.0%	10,307	19.5%	18,730	35.4%	221	0.4%	48,377	8.6%	2.17
Dublin	68,482	24,977	13,331	53.4%	3,524	14.1%	812	3.3%	7,254	29.0%	56	0.2%	24,040	3.8%	2.85
Emeryville	12,396	7,656	424	5.5%	406	5.3%	766	10.0%	6,023	78.7%	36	0.5%	7,025	8.2%	1.76
Fremont	227,195	79,749	44,781	56.2%	10,210	12.8%	2,718	3.4%	21,314	47.6%	725	0.9%	76,507	4.1%	2.97
Hayward	156,757	52,870	27,328	51.7%	5,599	10.6%	3,063	5.8%	14,476	53.0%	2,403	4.5%	50,794	3.9%	3.09
Livermore	85,444	33,087	22,536	68.1%	3,218	9.7%	1,652	5.0%	5,140	22.8%	541	1.6%	31,968	3.4%	2.67
Newark	47,029	15,811	11,040	69.8%	1,457	9.2%	688	4.4%	2,626	23.8%	0	0.0%	15,329	3.0%	3.07
Oakland	414,325	183,729	75,322	41.0%	7,115	3.9%	33,457	18.2%	67,272	89.3%	562	0.3%	171,880	6.4%	2.41
Piedmont	10,973	3,964	3,679	92.8%	68	1.7%	138	3.5%	78	2.1%	0	0.0%	3,846	3.0%	2.85
Pleasanton	76,830	29,750	18,004	60.5%	2,858	9.6%	1,687	5.7%	6,806	37.8%	395	1.3%	28,581	3.9%	2.69
San Leandro	87,506	32,952	19,659	59.7%	2,008	6.1%	1,952	5.9%	8,436	42.9%	898	2.7%	31,851	3.3%	2.75
Union City	67,434	21,947	13,762	62.7%	2,856	13.0%	821	3.7%	3,489	25.4%	1,019	4.6%	21,467	2.2%	3.14

Source: California Department of Finance, City/County Population Estimates, E5, 2022

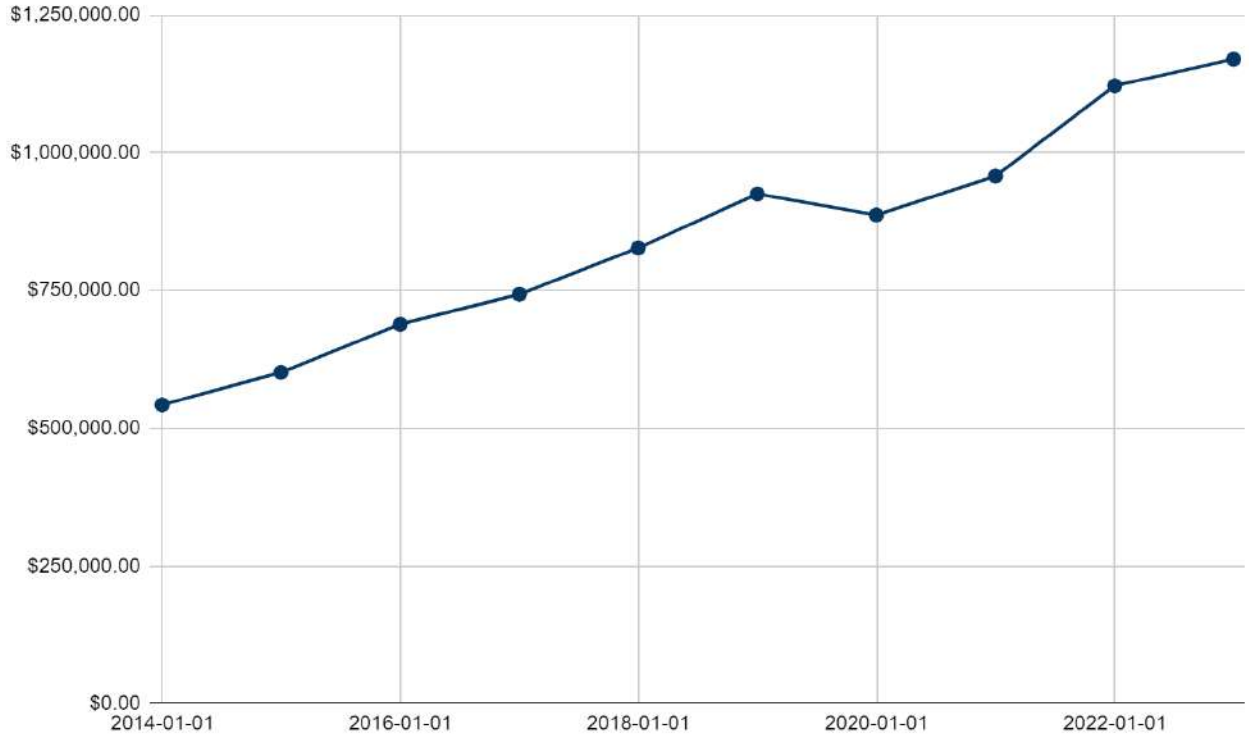
Housing Cost and Vacancy

Housing Costs and Vacancy have a pronounced effect on residents' ability to find housing that is affordable , that fits their needs, and be able to purchase a home, allowing them to build equity and stability in the community. Newark has experienced increasing housing costs over the past decade. The Zillow Home Value Index shows home prices $ 542,000 in 2013, to more than double that in 2022, with an average home value of $1,169,000. Coupled with low vacancy rates of three percent, Newark residents face numerous housing challenges. In relation to other cities in Alameda County, Newark provides fewer housing options, but has a similar percentage of housing types as Union City, and fewer five plus units than Fremont. Only Newark and Piedmont do not have any mobile homes.

In relation to Alameda County and the Bay Area, Newark has a lower percentage of vacancies, with a 3 percent total vacancy rate(Table 2-3) 14 % of rental units are vacant, in comparison to Alameda County at 24 % and the Bay Area at 26% (Figure 2-8). The largest vacancies are for units that are for sale at 23% and for seasonal use at 30%. Taking into account the increase in housing prices over the last 10 years, with a significant spike in 2018, brings ownership costs to over $900,00, the large vacancy rates for homes sales correlates. Throughout community engagement, community members echoed the data to share that housing costs are too high and unattainable for current residents. In response, programs such as H2.2 an Accessory Dwelling Unit program to incentivise and support the increased development of ADU production, Program H2.6 to Work in Partnership with Newark Unified School District to find creative ways to utilize school properties, Program H2.7 the Affordable housing fund to support non profit developers in developing affordable housing, H4.4 the Small Sites program supports the purchase of small scale multi family housing by affordable housing organizations and H5.1 First Time Homebuyer Assistance. As seen in Figure 2-7, BIPOC communities have lower rates of home ownership, and programs such as H5.1 will focus on supporting those populations.

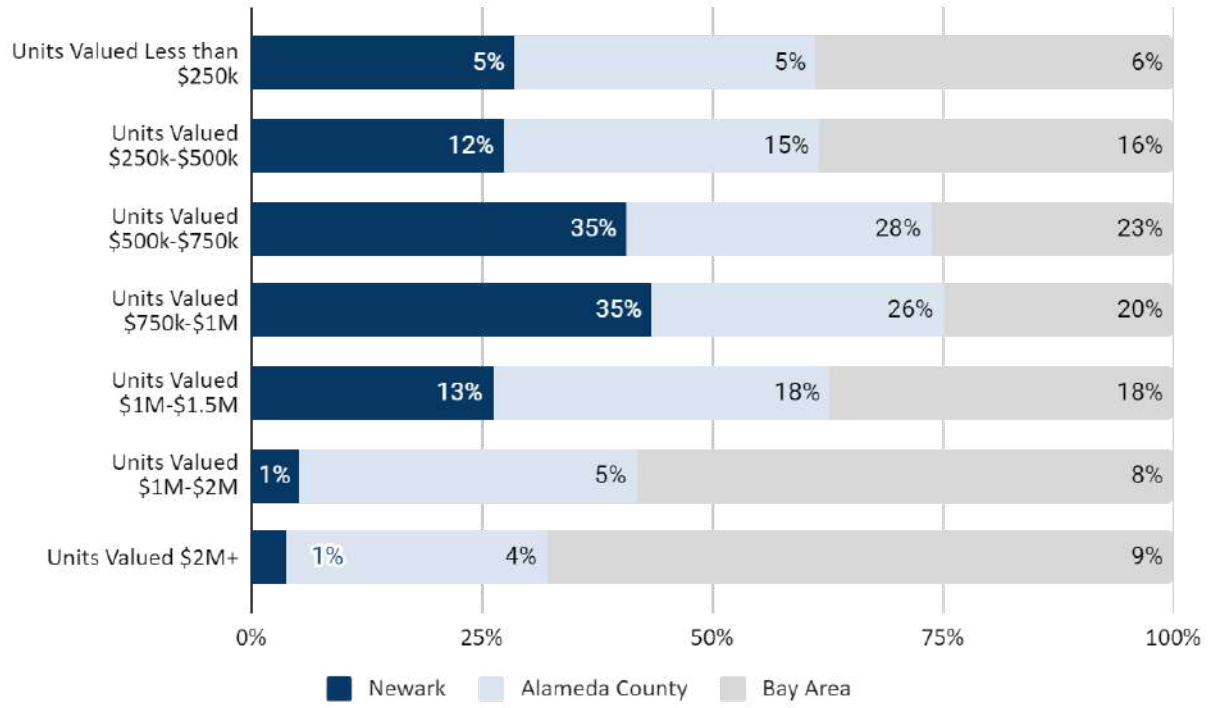
Figure 2-4: Newark Zillow Home Value Index, 2013 -2022

The ZHVI is a smoothed, seasonally adjusted measure of the typical home value and market changes across a given region and housing type. The ZHVI reflects the typical value for homes in the 35th to 65th percentile range. The ZHVI includes all owner-occupied housing units, including both single-family homes and condominiums.



Source: Zillow Home Value Index (ZHCI) 2013-2022

Figure 2-5: Home Values of Owner Occupied Units, 2015-2019



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B25075

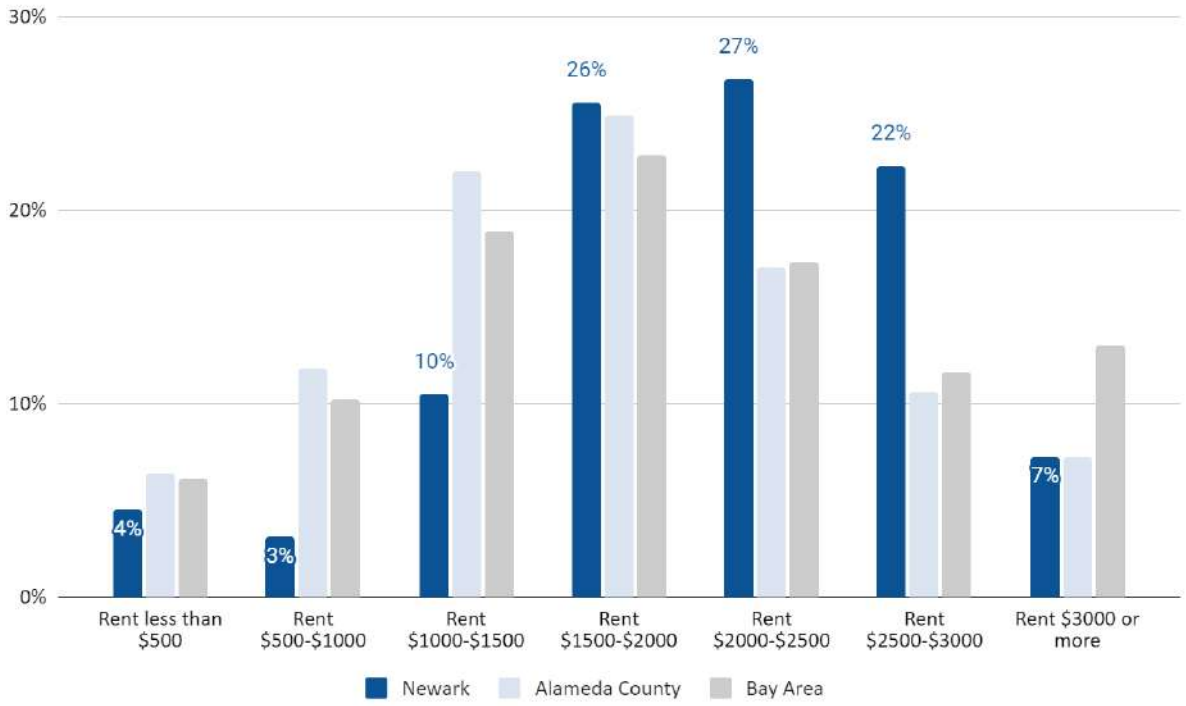
Rental Cost and Affordability

With the recent increase in rents in the Bay Area, affordable housing has become much harder for lower- and moderate-income households to find. This rent burden is an important issue for many households. In Newark 44 percent of rents are from $2,000 to $3,000 dollars per month from the 2021 American Community Survey. Conversely, only 17 percent of residents pay between $500 and $1,500 dollars per month. An indicator of the few choices available for deed restricted affordable housing in the City, which is consistent with what we have heard from community members. This is a slight change from 2019, with a reduction of those paying $1,00 to $2,500 (see Table 2-4), and a sharp increase in those paying $3,000 dollars or more, from 7 percent in 2019 to 20 percent in 2021. The percentage of those paying $500 to $1,000 dollars per month doubled from 3 percent to 6 percent, potentially tied to new affordable senior housing developments.

Newark, in relation to Alameda County and the Bay Area, has an average of 24 percent of residents paying from $2,000 to $3,000 dollars in rent, a higher percentage than both Alameda and the Bay Area with an average of 14 percent (Figure 2-6). In Newark 3 percent of residents were paying $500 to $1,000 dollars per month in cash rent, significantly fewer in comparison to Alameda County at 12 percent and the Bay Area at 10 percent. This wide discrepancy could be attributed to the lack of deed restricted affordable housing, an abundance of single family homes,

and general housing pressure from high wage earners of Silicon Valley. Table 2-5 shows most recent rents show a general increase in rents from the previous years, with housing for two and three bedrooms seeing the largest increases. With some of the largest family sizes in Alameda County, this places extreme pressure on larger families looking for housing. Housing for large families is one of the key populations the city is focusing on for new housing through their Affordable Housing Action Plan. Programs such as H 2.1 and H2.2 will open up new housing opportunities for residents. H2.7 provides funding for affordable housing developments in Newark.

Figure 2-6: Rents for Renter Occupied Units in Newark, Alameda County, and the Bay Area, 2015- 2019



Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25056

Table 2-4: Newark Cash Rent, 2021

Rent	Percent	Population
Less than $500 per month	5%	220
$500 to $1,000 per month	6%	270
$1,000 to $1,500	6%	280
$1,550 to $2,000	18%	799
$2,000 to $2,500	22%	979
$2,500 to $3,000	22%	958
$3,000 or more	20%	860
Total with cash rent	**100%**	**4,366**

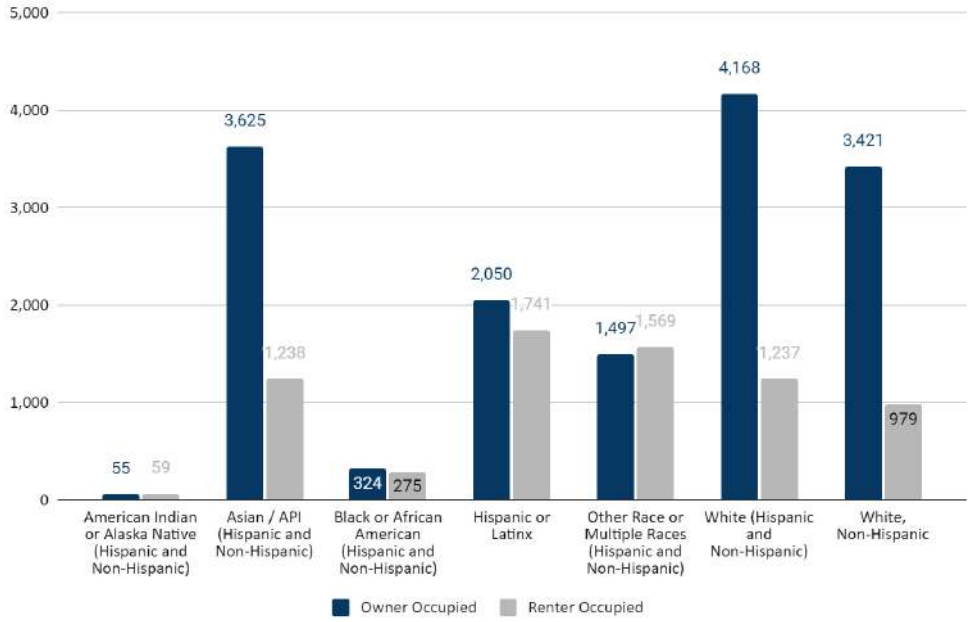
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2017- 2021), Table B25056

Table 2-5: Newark Rents, 2023

Unit	Average Rent	Year over year change
Studio	$1,600	+$200
One Bedroom	$2,300	+$55
Two Bedroom	$2,900	+$299
Three Bedroom	$3,750	+$314
Four Bedroom +	$4,950	+$133

Source :Zillow.com, accessed June 21st, 2023

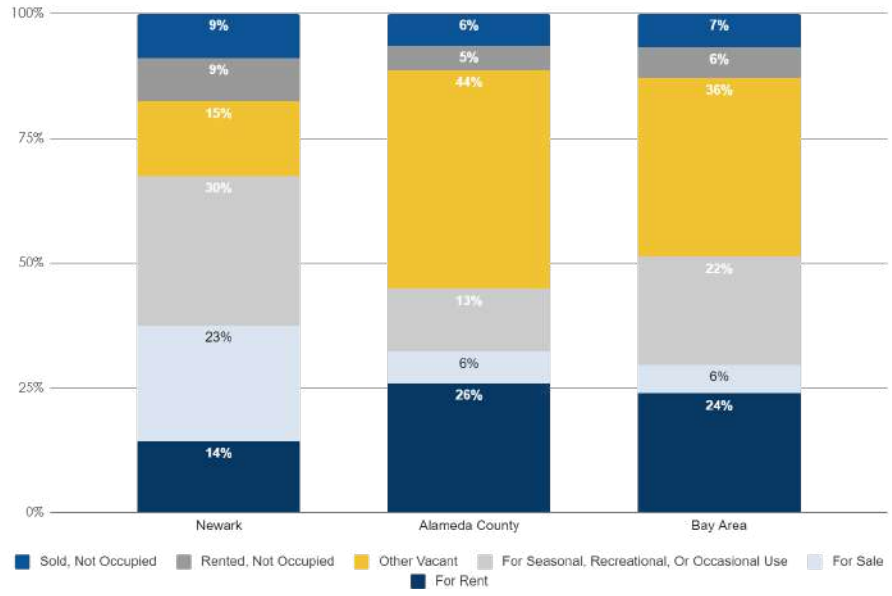
Figure 2-7: Housing Tenure by Race, 2015- 2919



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B25003 (A-1)

Vacancy Rate

Figure 2-8: Vacant Units By Type, 2015- 2019



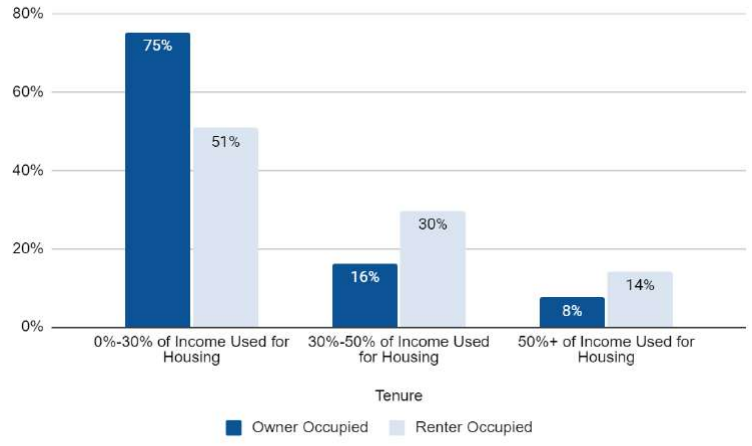
Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B25004

Overpayment and Overcrowding

Overall, many residents are paying too much for housing, while many others have been priced out entirely. If a household spends more than 30 percent of its monthly income on housing, it is considered cost-burdened. If it spends more than 50 percent, it is considered severely cost-burdened. In Newark, 12 percent of households spend 50 percent or more of their income on housing, while 19 percent spend between 30 to 50 percent. However, these rates vary greatly across income and race. Of those who are extremely low income—making 30 percent or less of the area median income (AMI)— 365 renter households, or 51 percent, spend more than half of their income on housing, as do extremely low-income owners at a slightly lower number of 255 households[7]. Figure 2-9 shows that renters are more likely to be cost burdened, with twice the number of renters (30%) spending more than 30 percent of their income on housing compared to 16 percent of homeowners, and 14 percent of renters are severely cost burdened. This leaves them with little to meet other basic needs, such as food and healthcare. Since low-income residents and communities of color are the most cost burdened, they are at the highest risk for eviction, displacement, and homelessness. Through the Inclusionary Housing Ordinance, Newark will be able to support the development of affordable housing throughout the city, with a focus on special populations such as seniors and large families.

Overcrowding is defined by the US Census as households with 1.01 persons or more per room (excluding bathrooms and kitchens). Units with more than 1.5 persons per room are considered severely overcrowded. Newark residents are experiencing both overcrowding and severe overcrowding. Table 2-6 shows Newark with 9 percent of the population living in overcrowded conditions, and three percent in severely overcrowded households.

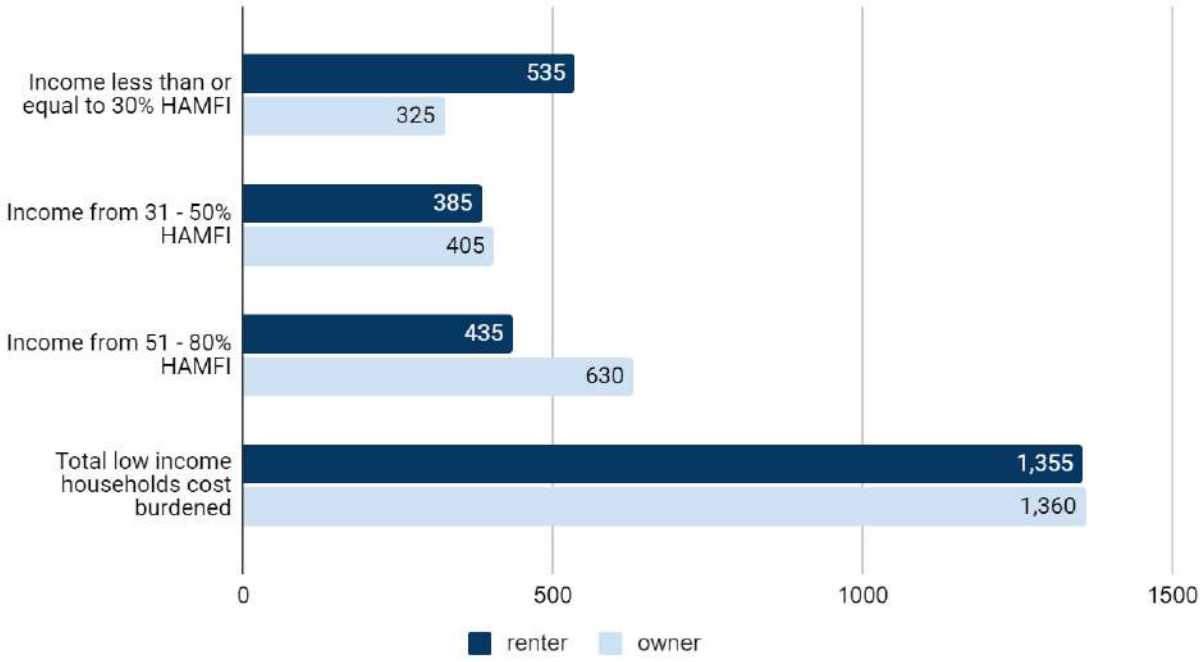
Figure 2-9: Cost Burdened Households, Renters and Homeowners, 2015- 2019



US Census Bureau, American Community Survey, 5 year data, 2015-2019, Table B25070, B25091

[7] Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2015-2019 release

Figure 2-10: Low Income Cost Burdened Households, Renters and Homeowners, 2015- 2019



U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2015-2019 release. Note: For this figure, the definition of cost burdened is spending more than 30% of income on housing.

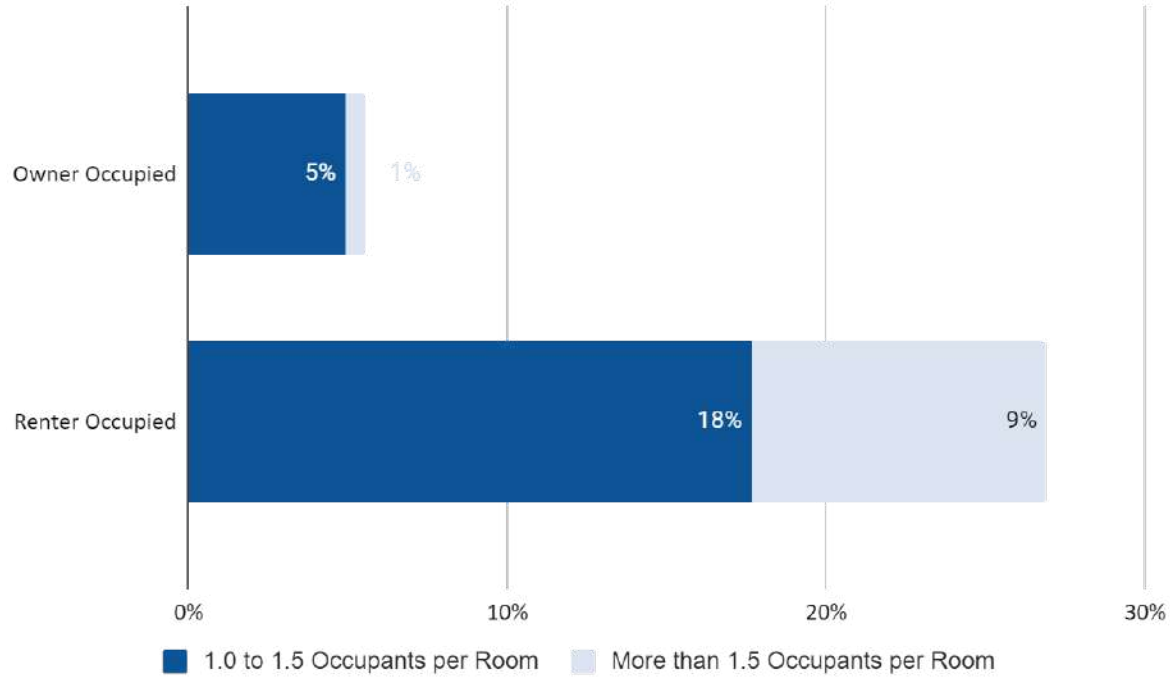
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2015-2019 release

Table 2-6 Overcrowding by Regional Population, 2013-2017

Geography	1.00 occupants per room or less	1.01 to 1.50 occupants per room	1.50 occupants per room or more
Newark	88%	9%	3%
Alameda County	92%	5%	3%
Bay Area	93%	4%	3%

Source: Housing and Urban Development, Comprehensive Housing Affordability Strategy, ACS Tabulation. 2013-2017

Figure 2-11: Overcrowding by Tenure and Severity, 2013- 2017



Source: Housing and Urban Development, Comprehensive Housing Affordability Strategy, ACS Tabulation. 2013-2017

Substandard Housing Units

High housing costs can often result in households, particularly renters, living in substandard conditions to afford housing. Through public comment and mapping of code enforcement reports, there is a high concentration of substandard housing conditions in the Mirabeau and Old Town/ Central neighborhoods from 2018 to the present, some of the oldest housing stock in the city. US Census data shows that a small number of homeowners and renter households experience substandard housing with .3 percent having substandard kitchens. That would translate to 42 homeowners and 37 rental units. Homeowners reported 0.1 percent of homes without adequate plumbing, or 12 homes. There were no rental units reported. Due to the fact that over 50 percent of Newark's housing stock was constructed before 1980, there is potential for other buildings in need of rehabilitation in the near future, and Newark will continue to offer and expand upon home maintenance programs for low and moderate income residents, with a focus on informing residents in the Mirabeau Park and Old Town/ Central Newark neighborhoods. The city has identified 40 units that could use rehabilitation and repair. The existing rehabilitation program has supported about 10 homes per year and with the addition of programs such as H1.1 Housing Rehabilitation and Repair, supporting homeowners with repairs, and H1.2 Citywide inspection program, which will inspect rental properties to ensure safe and healthy living conditions for all will help in addressing these needs and support even more households.

Table 2-7: Substandard Housing Units, 2015-2019

Building Amenity	Owner	Renter
	Percentage	
Kitchen	0.3%	0.3%
Plumbing	0.1%	0.0%

Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B25053, B25043, B25049

Subsidized Housing Units at Risk

Currently Newark has a total of 274 low income subsidized housing units (Table 2-8), owned by non profit housing developers. Due to the ownership structure of the housing units, the California Housing Partnership finds these units are at low risk of conversion to market rate housing in the next ten years. Newark Station Seniors, Newark Gardens I and Newark Gardens II are senior housing developments in Newark that comprise the total number of subsidized housing units.

Table 2-8: Subsidized Affordable Housing Units at Risk of Conversion to Market Rate 2020

Geography	Low	Moderate	High	Very High	Total Assisted Units in Database
Newark	274	0	0	0	274
Alameda County	23,040	167	189	106	23,502
Bay Area	110,177	3,375	1,854	1,053	116,459

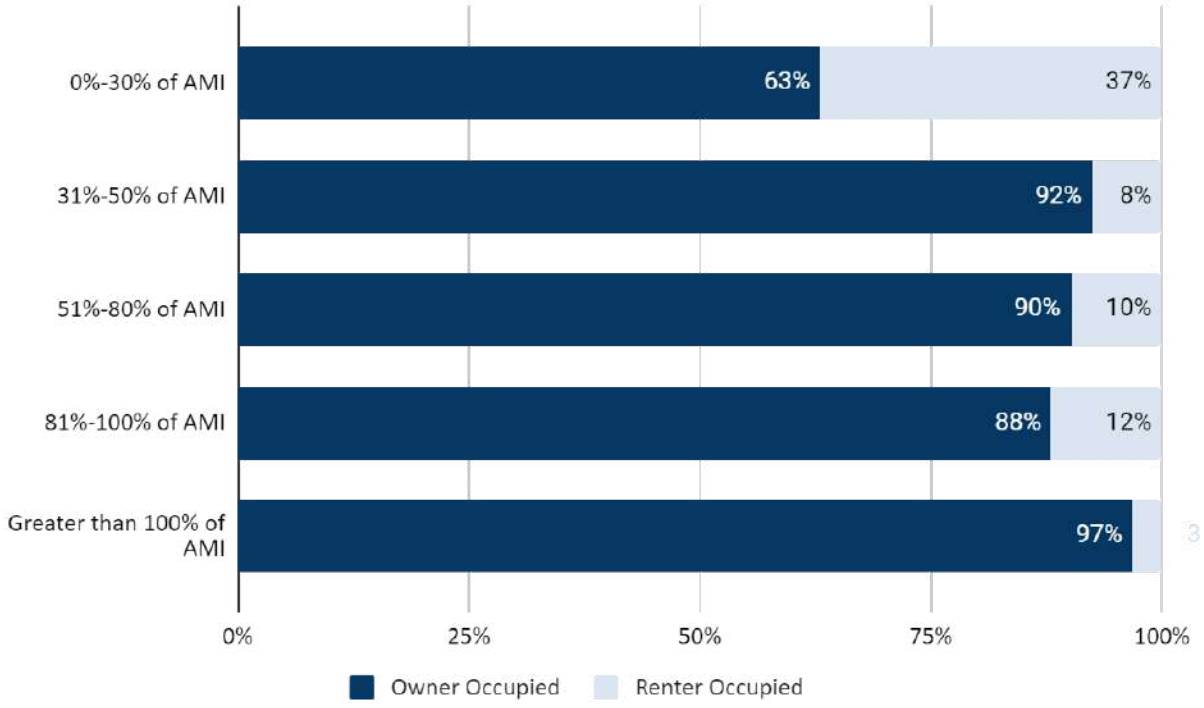
Source: Universe: HUD, Low-Income Housing Tax Credit (LIHTC), USDA, and CalHFA projects. Subsidized or assisted developments that do not have one of the aforementioned financing sources may not be included.

C. Housing Needs for Special Needs Populations

Seniors

Seniors in Newark are a growing population, as long time residents continue to age and the city adds more affordable senior rental housing. As of the 2020 US Census, there are 6,005 Seniors in Newark. Seniors in Newark overwhelmingly are home owners at every income level, with low income seniors having the highest percentage of renters at 37 percent.[8] Low income seniors experience higher rates of cost burden then moderate and above moderate income counterparts. Figure 2-12 shows that 37 percent of very low income seniors are cost burdened with 22 percent extremely cost burdened.

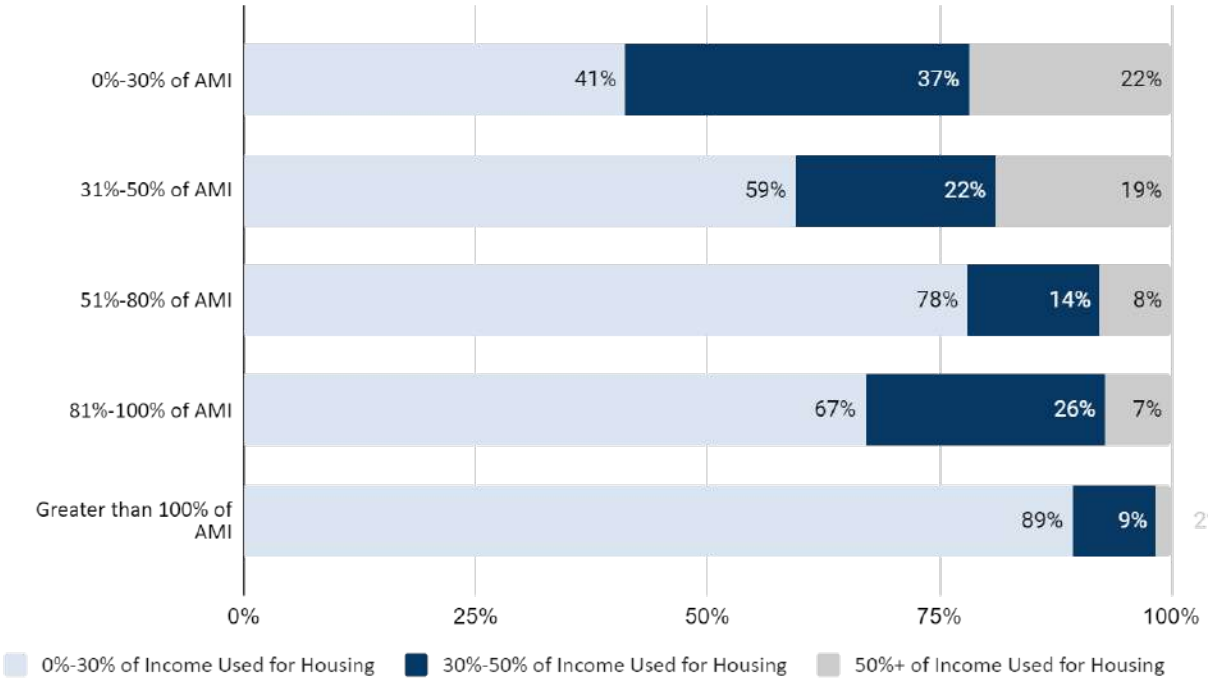
Figure 2-12: Senior Households by Income and Tenure, 2013- 2017



Source: Housing and Urban Development, Comprehensive Housing Affordability Strategy, 2013-2017

[8] Source: US Department of Housing and Urban Development. Comprehensive Housing Affordability Strategy (CHAS) ACS Tabulation, 2013-2017 release

Figure 2-13: Cost Burdened Rates by Income Level, Seniors, 2013- 2017



Source: Housing and Urban Development, Comprehensive Housing Affordability Strategy, 2013-2017

Available affordable housing for seniors in Newark includes: Newark Gardens, Newark Gardens 2 , Newark Station, and Timber Senior Housing is under construction with an anticipated completion later this year. As the senior population continues to grow, there will be increased need for housing that is accessible, affordable to those on fixed incomes and allows residents to age in place. In addition to increased types of housing options, seniors need support with the maintenance of their existing homes and their age and spaces that are accessible. Programs to address the growing senior population are program H1.1 Financial assistance with home repair, the adoption of H2.4 Universal Design Ordinance, and program H4.5 will develop a Shared Housing Partnership.

Disability

People with disabilities often face additional housing challenges. Encompassing a broad group of individuals living with a variety of physical, cognitive and sensory impairments, many people with disabilities live on fixed incomes and often need accessible designed housing to live more independent lives. In Newark, eight percent of the population has a disability of any kind, with the majority being ambulatory (Table 2-9). Due to housing challenges of affordability, accessibility and

discrimination, 87 percent[9] of people with disabilities live with family members in Newark. Partnering with local organizations that serve people with disabilities will support Newark in developing more housing options to meet the diverse needs of this population. Through community engagement we have connected with organizations providing resources and support to those with disabilities: Deaf Plus, Housing Consortium of the East Bay, and Alameda County Public Health Disability Council. **Program H4.7** will identify housing opportunities for those with Developmental disabilities, and **program H2.4** for a Universal Design Ordinance.

Table 2-9: Disability by Type, 2015-2019

Persons with Disability	Percentage
Total percentage of people with Disabilities	8%
With an ambulatory difficulty	4%
With an independent living difficulty	3%
With a hearing difficulty	3%
With a cognitive difficulty	2%
With a self-care difficulty	2%
With a vision difficulty	1%

Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B18102, B18103, B18104, Table B18105, Table B18105, B18107

People Experiencing Homelessness

People experiencing homelessness have steadily increased in Alameda County since 2017, with 9,747 sheltered and unsheltered people at the most recent point in time count on February 22, 2022. The city of Newark has a documented reduction of people experiencing homelessness, from 89 in 2019, to 58 sheltered and unsheltered people in 2022. The point in time count found a total of 32 unsheltered individuals, with 34 percent, or 11 people, living in a tent, with 8 living outside and 7 in a RV. Fewer people were found living in their car, at 6 people or 19 percent. It is no surprise that the largest number of people outside of shelters are living in tents, as the locations with the highest concentrations of people experiencing homelessness are in the undeveloped areas along highway 84, in the Eucalyptus grove, and along the 880. These sites are all concentrated in the Mirabeau and Mayhews Landing areas, in the northern portion of the city due

[9] Source: California Department of Developmental Services, Consumer Count by California Zip Code and Residence Type (2020).

to the proximity of open space for tents along the freeway.

Although Newark has a significantly lower number of people experiencing homelessness than neighboring jurisdictions, housing and homeless support is the most prevalent service request for Newark callers to the countywide 2-1-1 referral service, representing about 42% of all service requests. Newark residents are seeking referrals for low cost rental listings, rent payment and deposit assistance, supportive and transitional housing, emergency shelter, among other services (Eden I&R Referral Service, January 2020 through March 2022).

Currently Second Chance provides transitional housing for those experiencing homelessness in Newark. The facility has 32 beds, with the shelter at 81 % capacity on the point in time count. In conversation with John Balentine, Executive Director of Second Chance, he shared that as an organization, they budget funds for transportation, providing bus passes and having a van to transport residents if public transportation is not sufficient.

The city has engaged in a number of actions to address homelessness in Newark. There is a partnership with the Fremont Family Resource Center to provide support to Newark households at risk of becoming homeless, and the city was awarded a HomeKey grant to convert the Towne Place Suites extended stay hotel into 124 supportive, affordable residential units known as Cedar Community Apartments. The Housing Navigation Center in Fremont has prioritized space for those experiencing homelessness from the greater Tri City area. The 2021 Housing Navigation Center Annual report showed 8 percent or 6 Newark residents were supported. The City also partners with the city of Fremont to provide access for personal hygiene, with a mobile unit coming to Newark once a week for showers and laundry.

Utilizing American Rescue Plan Act funding, the city is working to establish a local family resource center in the Old Town/ Bayside neighborhood. This resource center would provide an initial point of access to any residents in need of social services. Some services could be accessed directly at the center through third party social service providers or referrals could be made to other agencies,and a space for the Promotores, a local organization for the Latino Community. Most recently the city has created a Homelessness Committee with members from various City departments to develop a cohesive plan to address homelessness and have launched a Human Resources webpage, connecting the community with resources for people experiencing homelessness such as housing, transportation. and food pantries around the city.

The city has developed a number of programs in response to the needs of people experiencing homelessness identified : Program H2.5 will continue to build upon the work the city has undertaken to develop a local response to homelessness. Program H2.10, makes changes to increase uptake of Single Room Occupancy or (SROs), an affordable housing type, Program H4.10, identifies zoning changes for special needs housing, and Program H4.8 connects residents with foreclosure assistance. The following is a list of agencies operating support services, emergency shelters, and transitional and supportive housing in Newark and the surrounding area:

- **Viola Blythe Community Services Center, Newark.** Viola Blythe provides services for Children, men, women and families in immediate need can use the services and programs of the Viola Blythe Community Service Center. No fees are charged for any services provided. Some services include food distribution, baby food and formula, clothing, children's shoe fund, and referrals to other agencies.
- **Clean Start Mobile Hygiene Unit.** For someone experiencing homelessness, keeping yourself and your clothes clean can be incredibly challenging, and can greatly impact your ability to get and keep a job, or simply participate in society. To meet this need, the City of Fremont, City of Newark, and several community partners developed the Clean Start Mobile Hygiene Program to provide much-needed shower and laundry services to our homeless neighbors.This mobile hygiene van travels between Fremont, Newark and Union City each week.
- **Centro de Servicios, Union City**. Centro de Servicios has assisted more than 800 families and individuals every month since its inception in 1974. This nonprofit corporation is a major service provider for the homeless population in Alameda County's Tri-City area. The center provides basic necessities, such as food, clothing, and blankets as well as referrals, counseling, job listings, and workshops to its clients. Recently celebrating 40 years of operations, Centro de Servicios serves over 1,300 families per month, out of multiple locations. Staff estimates that they assist at least 20-50 homeless or at-risk clients from Union City per week. Most (80 percent) of these clients are Latino. Many live in substandard housing, in their cars, or at local parks and campgrounds. Staff makes referrals to nearby shelters, especially Sunrise Village in Fremont and Second Chance in Newark.
- **Second Chance Addiction Recovery.** Second Chance is a counseling and recovery agency that operates five outpatient centers in addition to a short-term emergency shelter. They have locations in Newark, Hayward, Phoenix, and the Tri-City area. The emergency shelter has 30 beds for single men, women, and for families. Addiction recovery services are provided on-site and there is not typically a waiting list to receive treatment and recovery services.
- **Abode Services (formerly known as Tri-City Homeless Coalition), Fremont**. Abode Services operates nearly 60 primary programs across six counties and has experienced dramatic growth in response to the increasing need for affordable housing and services for homeless people. Abode Services works to provide housing and services to homeless people in the community as they work to help people remain stably housed and live as independently as possible. In 2021 they served 14,700 adults and children across their programs. In Alameda and Santa Clara Counties, Abode offers three main types of services: emergency shelter and street outreach services, supportive housing for formerly homeless families and individuals, and supportive services, such as mental health services and employment support. They provide extensive services to Tri-City residents, including permanent supportive housing, emergency shelter and services at Sunrise Village Emergency Shelter in Fremont, and social and health services though the HOPE Project Mobile Health Clinic. Their programs serve a wide variety of people, including families with

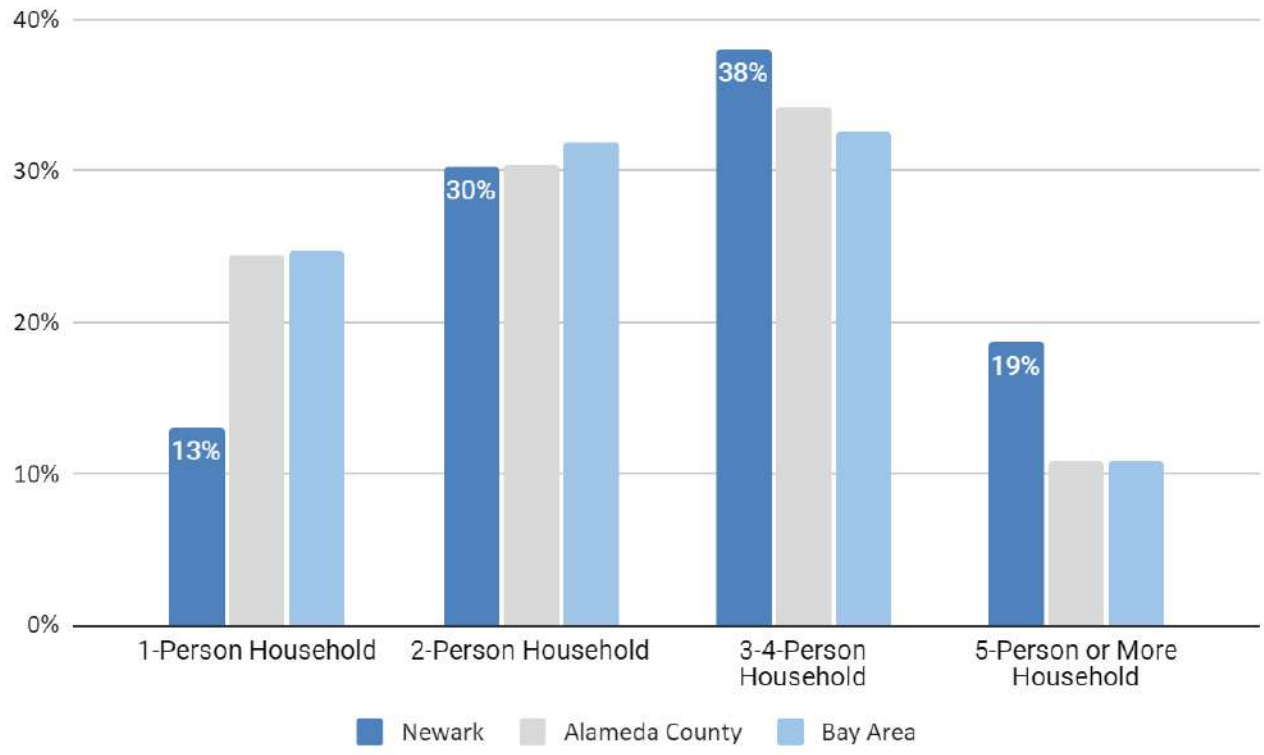
children, at risk youth exiting foster care, veterans and their families, and people who are chronically homeless. In 2021, 5,542 participants throughout Alameda County received support.

- **Safe Alternatives to Violent Environments (SAVE)**. SAVE is a non-profit community-based organization founded in 1976 to address domestic violence. They provide supportive services, advocacy and education, and a 25-bed safe house for families fleeing abuse. From 2020 to 2021, 1,265 participants received critical services from SAVE. SAVE also provided shelter to 98 women and children and provided rent subsidies and ongoing case management to 60 families in the Housing First Program.

Large Households

Large Families are considered to have 5 or more people, bringing about the need for larger housing units with three bedrooms or more. Figure 2-13 shows Newark has a larger percentage of families with 3 or more people than Alameda County and the Bay Area, with 38 percent of households with 3 or more, and 19 percent of households with five or more people. While Newark has a large inventory of single family homes, the cost of rent and ownership place many of these homes beyond reach for families. Families also face costs such as child care, increased transportation and medical care that further reduce their housing budget allowance. The pace of construction of multifamily and affordable units has not kept pace with that of market rate single family homes in Newark. **Program H5.2** Affordable Housing Development Programs work to increase the number of affordable housing constructed in the city. Newark's Affordable Housing Action Plan has identified large families as a community of focus for new housing needs.

Figure 2-14: Households by Household Size, 2015- 2019

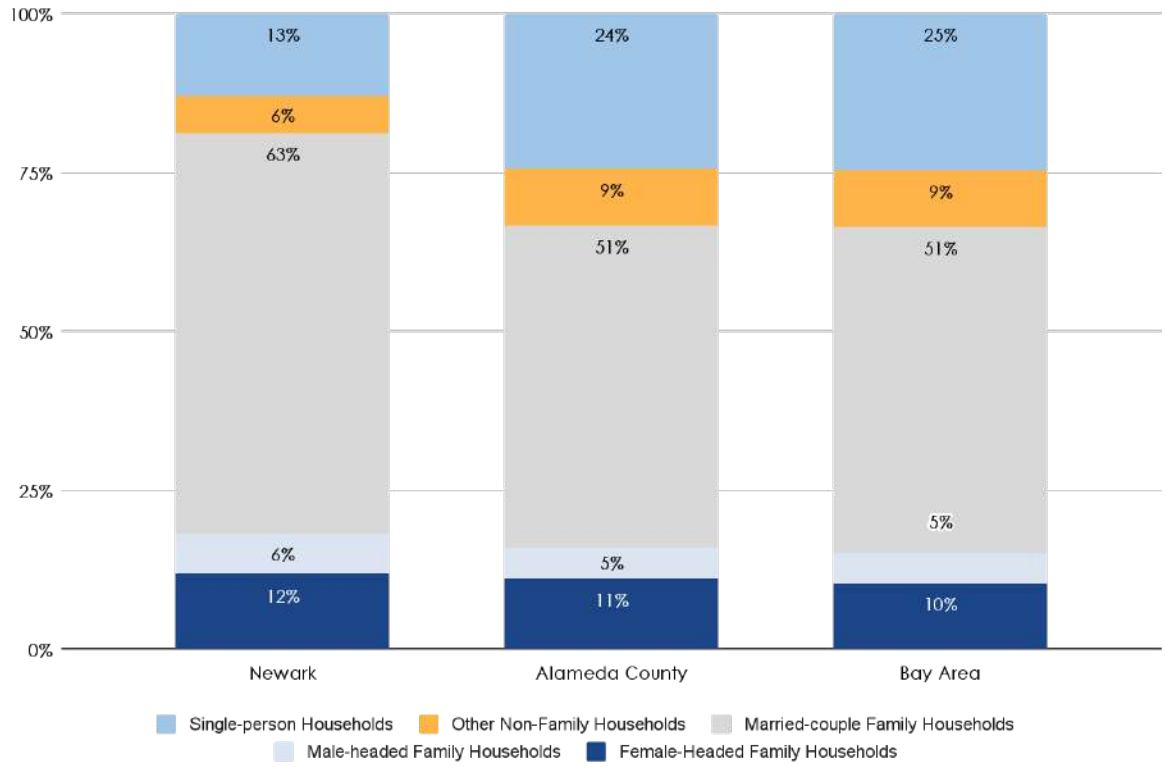


Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B11016

Female Headed Household

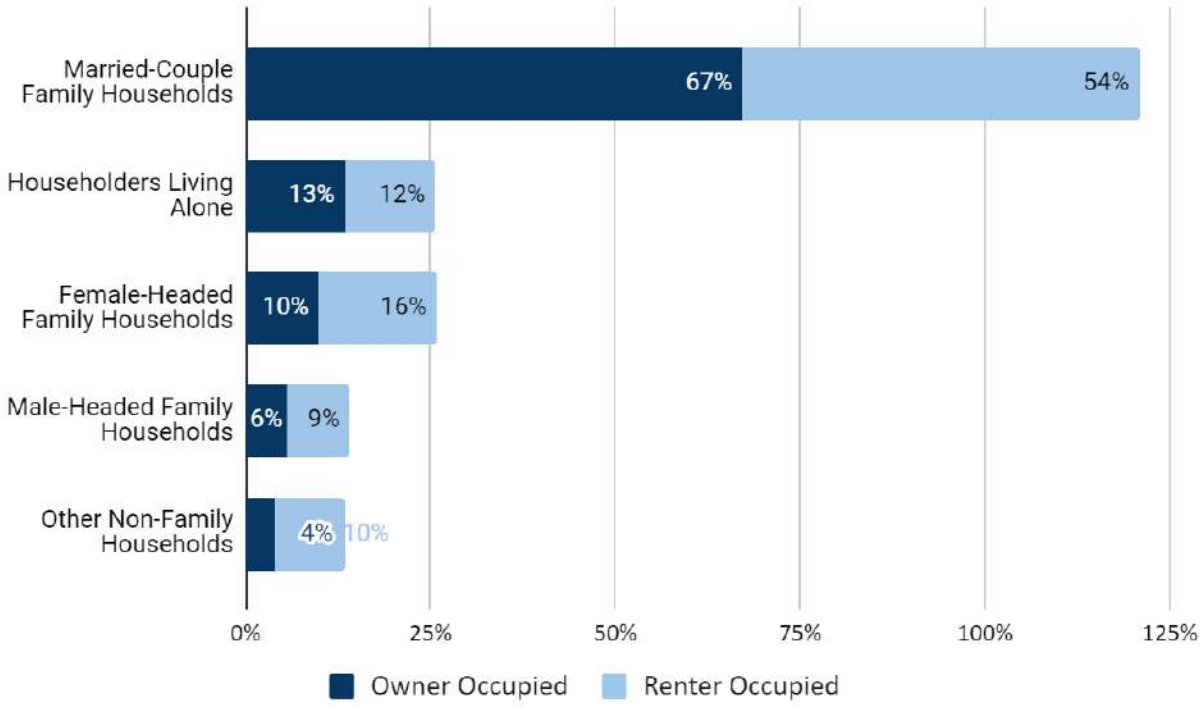
Government Code Section 65583(a)(7) identifies families with female heads of households as a group that may have special housing needs and requires the City to analyze the housing needs of these households. Female-headed households are households led by a single female with one or more children under the age of 18 at home. In Newark, 11 percent of households are female-headed families, which are often at greater risk of housing insecurity. A greater number of single parent headed households are renters, with 67 percent of married households owning homes, compared to 16 percent of female headed households (Figure 2-15). Female headed households have a significantly higher vulnerability to poverty, 22.8 percent of female-headed households with children fall below the Federal Poverty Line, while 5.7 percent of female-headed households without children live in poverty (Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B17012). As Female headed households face challenges of familial housing discrimination, limited income due to wage discrimination against women makes this population have higher rates of poverty and vulnerability to being housing cost burdened.

Figure 2-15: Household Type, 2015- 2019



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B11001

Figure 2-16: Household Type by Tenure, 2015- 2019



Source: US Census Bureau, American Community Survey, 5 Year Data, 2015-2019, Table B25011

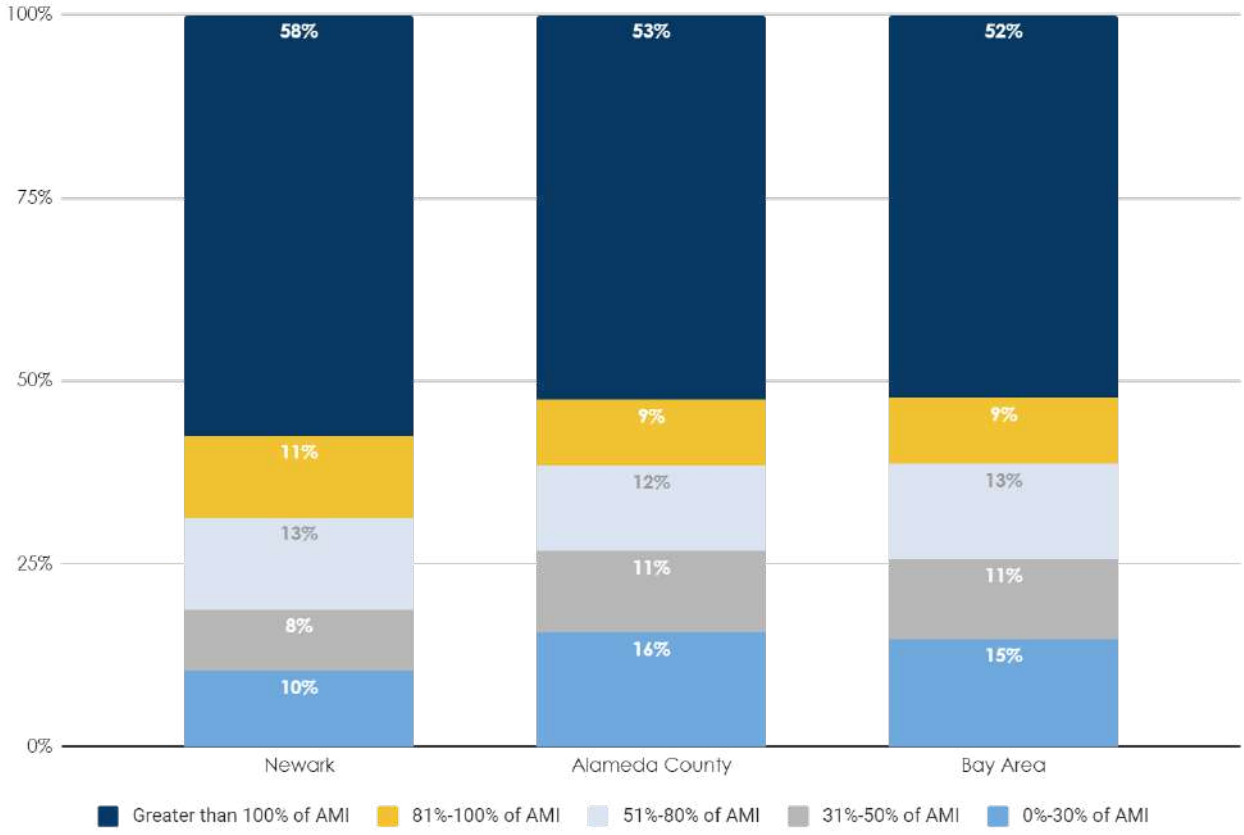
Existing housing need for extremely low-income households

Residents with extremely low incomes, less than 30% of the Area Median Income, face extreme housing challenges due to fixed or low incomes, credit, disability, family structure and access to affordable housing. In Newark, 58% of households make more than 100% of the Area Median Income (AMI), compared to 10% making less than 30% of AMI, which is considered extremely low-income (see Figure 2-17). In Newark, renters are disproportionately experiencing cost burden, with 30 percent of renters cost burdened and 14 percent spending more than 50 percent of their income on housing (Figure 2-9) . Regionally, more than half of all households make more than 100% AMI, while 15% make less than 30% AMI. In Alameda County, 30% AMI is the equivalent to the annual income of $34,850 for a family of four. Many households with multiple wage earners – including food service workers, full-time students, teachers, farmworkers and healthcare professionals – can fall into lower AMI categories due to relatively stagnant wages in many industries.

To estimate the projected housing need for extremely low-income households, 50 percent of Newark's 464 very low-income RHNA units are assumed to serve extremely low-income households. Based on this methodology, the City has a projected need of 232 units for extremely

low-income households over the 2023-2031 Housing Element planning period. More than half of this allocation will be provided through the Cedar Creek Apartments, which is already in the development pipeline and has received $6M in funding support from the City's Affordable Housing Impact Fee Fund. Additional proposed programs to support the housing needs for this population include Program H5.2 Affordable Housing Development Programs work to increase the number of affordable housing constructed in the city.

Figure 2-17: Households by Household Income Level, 2013-2017



Source: Housing and Urban Development, Comprehensive Housing Affordability Strategy, 2013-2017

Farmworkers

The number of farmworkers living in Newark has declined over the years, with the student population at 57 students for the 2019-2020 school year. The previous years saw 79 students for 2017-2018 and 72 for the 2018 to 2019 school year. Table 3-12 shows the trends for both Alameda county and the greater Bay Area see a similar decline in the migrant farmworker student population. Generally, the number of farmworkers living in Alameda county has been declining since 2012, with fewer than 400 residents working in the industry in a permanent position. It is important to recognize that farmworkers could be under-counted by the census due to their

migrant nature. Farming and farmworkers are a significant element of the state's economy, but play less of a role in the Bay Area. Due to lower wages, language barriers, and inconsistent work, farmworkers can have difficulty securing housing, and for these reasons could experience overcrowding and substandard housing conditions. To support these populations, program H2.6 Work in Partnership with Newark Unified School District to ensure that housing resources are reaching families that need them and and Program H5.2 Affordable Housing Development Programs work to increase the number of affordable housing constructed in the city.

SECTION 3 AFFIRMATIVELY FURTHERING FAIR HOUSING

A. Affirmatively Furthering Fair Housing

Historic and current land use policies and planning play a key role in the ability of individuals and families to live in neighborhoods with opportunity, including academically and culturally supportive schools, a wide variety of living wage jobs, and convenient access to transit and services. In response to continued housing discrimination, which prohibits discrimination regarding the sale, rental, and financing of housing based on race, color, religion, national origin, sex, familial status, and disability status — people within protected classes continue to encounter limits in housing choice and mobility. In 2018, the California State Legislature passed Assembly Bill (AB) 686 to expand upon the fair housing requirements and protections outlined in the Fair Employment and Housing Act (FEHA); and, protect the requirement to affirmatively further fair housing (AFFH) as published in the 2015 U.S. Department of Housing and Community Development's (HUD) Affirmatively Furthering Fair Housing Rule. California's Department of Housing and Community Development (HCD) defines AFFH as taking meaningful actions to explicitly address, combat, and reverse disparities resulting from past patterns of segregation to foster more inclusive communities. As part of this, housing elements are required to include the following components:

- **Inclusive and Equitable Outreach:** Housing elements must make an effort to equitably include all community stakeholders in the housing element participation process.
- **Assessment of Fair Housing:** All housing elements must include an assessment of fair housing. This assessment should include an analysis of the following four fair housing issues: integration and segregation patterns and trends, racially or ethnically concentrated areas of poverty, disparities in access to opportunity, and disproportionate housing needs, including displacement risk.
- **Analysis of Sites Inventory:** Local jurisdictions must evaluate and address how particular sites available for housing development will meet the needs of households at all income levels. The housing element must analyze and conclude whether the identified sites improve or exacerbate conditions for fair housing.
- **Identification of Contributing Factors:** Based on findings from the previous steps, housing elements must identify, evaluate, and prioritize the contributing factors related to fair housing issues.

- **Goals and Meaningful Actions to AFFH:** Local jurisdictions must adopt fair housing goals and actions that are significant, meaningful, and sufficient to overcome identified patterns of segregation and affirmatively further fair housing. The housing element should include metrics and milestones for evaluating progress and fair housing results.

B. History of the Land and People

The land that is now Newark is the aboriginal homeland to the Muwekma Ohlone Tribe, Ohlone, Confederated Villages of Lisjan and Tamien Nation. Throughout the period of European colonization, aboriginal tribes were removed from their lands and in some circumstances moved into mission settlements, such as the Mission San José, and subjected to religious conversion practices and forced labor. In the Early 20th century Newark was still primarily marshland and waterways leading into the San Francisco Bay. Land speculation brought investors to the area and Newark became home to a dairy farm and tourism from around the county for picnicking and entertainment. Over time a railroad connection was established south to Santa Cruz and North to Alameda and industry followed. Incorporated as a city in 1955, Newark has been the home to steel foundries, manufacturing, and a large and successful solar evaporation of salt production that rivaled the entire Bay Area. Newark's development and land use was divided, with manufacturing isolated to the western portion of the city. The residential portion consisted of single family homes built during the post war building boom that were accessible to white families only through government backed low interest loans provided by the Federal Housing Administration. As manufacturing moved out of Newark in the 1970's and 1980's, Newark has transitioned to an economy of technology and education. The transition has also transformed the city from primarily White to one with a majority of residents from Asia and Latin America.



Ann Marie Sayers, Ruth Orta, Corrina Gould and Caleen Sisk at Living On Ohlone Land, Photo by Christopher McLeod

Although Newark has no redlining maps or racially restrictive covenants on file, de facto discrimination has shaped access to housing historically and into the present day. From discrimination in governmental lending for single family homes, to the real estate industry and personal prejudice, Newark's growth as a city coincided with unregulated racial discrimination in housing during the 1950s and 1960's. Through oral history accounts of Jean Ficklen, founder of Afro-American Cultural & Historical Society and first African American teacher in Newark, we learn of the discrimination her family faced in finding housing in the Bay Area as an African American family in the 1960's. Ms. Ficklen and her family were looking for housing closer to her husband's employment at the Lockheed Missile and Space Center in Sunnyvale, California, a 54 mile commute one way to Richmond where they lived. They found a home in Hayward that they liked, and after meeting with the realtor, were set to move to a house there. The day before they were scheduled to move, the house was no longer available to them. They were offered a house to rent in Newark but were asked not to tell who rented it to them. Soon after they moved to the neighborhood, for sale signs went up, typical of the times of neighborhood blockbusting fueled by fear and discrimination (J.Ficklen, Personal communication, January 21, 2021).

C. Summary of Fair Housing Need

Fair housing

- A lack of affordable housing for residents for sale and rent is one of the largest fair housing issues Newark faces. Due to decades-long reduction in federal funding for affordable housing production, and a lack of affordable housing production at the city level, there is a shortage of housing at prices that meet the needs of current and future residents.
- Disability and race are the highest reported instances of discrimination in Newark over the past five years. In 2020-2021 Echo Housing saw 10 cases of reported discrimination based on disability and 4 cases in National origin. The city heard from residents, specifically the Latinx community that there are significant challenges to accessing housing. A report from El Tiempano found that women and undocumented residents faced the most challenges, specific issues faced by residents were:
    - Difficulty of providing documentation when many undocumented immigrants are paid under the table or are not named on rental leases
    - Challenges accessing information digitally
    - Complicated/confusing applications without assistance readily available

Segregation and Integration

- There is a significant level of segregation between Latinx and White residents with an index of .229 or **22.9%. Meaning that 22 percent of Latinx or white residents would need to move to address this**. Due to the fact that the Latinx community is 30 percent of the population in Newark, this indicates a significant level of segregation between Latinx and White residents in Newark, slightly higher than segregation at the regional level.
- Asian residents are the most isolated at 0.451, meaning the average **Asian resident lives in a neighborhood that is 45.1% Asian.** Asian residents also have the highest percentage (36.7%) of residents making more than 100 percent of area median income.
- Other ethnicities in Newark have a higher likelihood of interacting with people outside their race. **White residents have seen the greatest reduction in isolation, from 43 percent in 2000 to 27 percent in 2020.**

Access to Opportunities

- Overall, Newark consists of two census tracts that are considered high resource areas (NewPark Place and Birch Grove) while the remaining six tracts (Lake- Rosemont, Mirabeau Park, Mayhews Landing, Gateway/Bayshore, Old Town and Central Newark) are considered moderate resource areas.

- The City's high resource areas have both dominant and secondary populations that are either White or Asian. In NewPark Place, nearly 51% of the population is Asian and 23% is White. In Birch Grove, 35% is White while nearly 29% is Asian.
- Five out of six of the City's moderate resource areas have dominant populations that are Hispanic/Latinx, ranging from almost 34% in Mayhews Landing to nearly 53% in Old Town/Central Newark. In the remaining moderate resource area, Lake-Rosemont, 40% of the population is White, making it the dominant population while nearly 29% is Hispanic/Latinx.
- There are large disparities in environmental outcomes in Newark, with low outcomes in central Newark and a portion of the Old Town area that is also home to a majority of lower income and Hispanic/Latinx residents.

Disparate Housing Needs

Overcrowding

BIPOC (Black, Indigenous and People of Color) populations are the most cost burdened and experience disproportionate rates of overcrowding. Central Newark in the Old Town area has 9 percent of households experiencing overcrowded housing, with 5 percent of households experiencing extreme overcrowding in the Northwest corner of the city. As shown in Figure 3-2, these two areas are predominantly occupied by communities of color, with 80 to 100 percent of residents in the Old Town area. Mixed race residents face the highest rates at 33 percent, followed by Hispanic/Latinx (30%) and Indigenous residents at 22 percent.

Cost Burdened

Newark's low and moderate income populations and renters experience the highest levels of cost burden. BIPOC communities, Black (41%), Indigenous (46%), Multi Racial (46%), and Latinx (47%) residents are the highest cost burdened, and most vulnerable to displacement, overcrowding and homelessness. Asian and White residents are the least cost burdened at 27 percent and 21 percent respectively. Renters are more likely to be cost burdened, with twice the number of renters (30%) spending more than 30 percent of their income on housing compared to 16 percent of homeowners.

Families

Households with children face additional challenges accessing housing that meets their needs for both size and cost. Housing survey results conducted from March 15th through April 30th 2022, found that when asked what are the most urgent housing needs at this time, 50 percent responded that housing for families was the greatest need. There was a special interest in housing for single

parents, as female-headed households make up 17 percent of all households and **22.8 percent of female-headed households with children fall below the Federal Poverty Line.**

People Experiencing Homelessness

Through community engagement we have been alerted to the high number of residents experiencing homelessness that are finding shelter in local motels that are not reflected in point in time counts. Homelessness in Newark affects all racial and ethnic groups, although not equally. There is a significant population of families experiencing homelessness, with about 5% of all students In Newark, which further indicates the lack of affordable housing. Notably, about ***96 percent of homeless students in Newark are students of color,*** with over 167 of these students being Hispanic or Latino. While NUSD has only a small number of Pacific Islander students (98 students), about 28 percent of them are homeless.

D. Fair Housing Assessment

Regional Barriers to Fair Housing

The following is a summary of key barriers to housing in Alameda county, compiled by Alameda County, in the Analysis of Impediments to Fair Housing Choice in January of 2020.

- Across the County, segregation has increased between White residents and BIPOC communities within the last decade, with White residents comprising the majority of homeowners but only approximately a third of the County's population.
- BIPOC households continue to have disproportionate levels of housing discrimination as renters and in the housing market. Overall, the rate of mortgage approvals has gone up in the last seven years, but the disparities in the rate of approval across race and ethnicity has stayed relatively the same. Black applicants continue to have the lowest approval rate at 59.1 percent and Hispanic applicants the second lowest at 61.5 percent compared to White applicants at 70 percent.
- BIPOC communities are displaced residents are being displaced from areas with a traditionally large population and have less access to proficient schools, jobs, and environmental health.

- The average home sales prices have increased from approximately $300,000 to nearly $900,000 in less than 20 years (unadjusted for inflation).
- Wages have not kept up with rent increases, currently the wage needed to rent an average housing unit in the County is $44.79 an hour or $93,000 a year. Median rents have risen an average of $1,000 (unadjusted for inflation) since 2010, representing an increase of 55 percent in a 9-year period.
- Homelessness has increased by 42 percent since 2017.
- BIPOC households, especially black and Hispanic/ Latinx households, have the highest rate of disproportionate housing needs, which includes having incomplete kitchen facilities, incomplete plumbing facilities, more than 1 person per room, and households with a cost burden greater than 30 percent.
- Based on community feedback, Housing Choice Voucher holders and those with disabilities often find it difficult to find an appropriate housing unit. Some find it difficult to find an appropriately sized unit that will take their voucher and others experience that the vouchers will not cover the rent of an appropriately sized unit.
- Disability, race, and familial status are the most common bases of housing discrimination complaints forwarded to the California Department of Fair Employment and Housing and the office of Fair Housing and Equal Opportunity.

Fair Housing Outreach Capacity and Enforcement

Fair housing complaints can be used as an indicator to identify characteristics of households experiencing discrimination in housing. Pursuant to the California Fair Employment and Housing Act [Government Code Section 12921 (a)], the opportunity to seek, obtain, and hold housing cannot be determined by an individual's "race, color, religion, sex, gender, gender identity, gender expression, sexual orientation, marital status, national origin, ancestry, familial status, source of income, disability, veteran or military status, genetic information, or any other basis prohibited by Section 51 of the Civil Code." Fair housing issues that may arise in any jurisdiction include but are not limited to:

- Housing design that makes a dwelling unit inaccessible to an individual with a disability;
- Discrimination against an individual based on race, national origin, familial status, disability, religion, sex, or other characteristic when renting or selling a housing unit; and
- Disproportionate housing needs including cost burden, overcrowding, substandard housing, and risk of displacement.

The following are organizations at the state and county level that provide resources and support for fair housing and eviction defense.

East Bay Community Law Center (EBCLC): EBCLC's Housing Program focuses on defending eviction lawsuits brought against low-income tenants, as well as enforcement of local rent and eviction control ordinances. The program emphasizes defense of long-term tenancies to preserve the value of rent-controlled units. EBCLC also prioritizes subsidized tenancies such as those in Section 8 and conventional public housing programs, as well as on behalf of tenants with disabilities.

Housing and Economic Rights Advocates (HERA): HERA is a California statewide, not-for-profit legal service and advocacy organization dedicated to helping Californians — particularly those most vulnerable — build a safe, sound financial future, free of discrimination and economic abuses, in all aspects of household financial concerns. They provide free legal services, consumer workshops, training for professionals and community organizing support, create innovative solutions and engage in policy work locally, statewide and nationally.

Housing Equality Law Project (HELP): HELP seeks to expand legal protections in fair housing through advocacy, leadership training, education and outreach, and enforcement of anti-discrimination laws.

Newark works with ECHO Housing for fair housing enforcement. ECHO provides fair housing counseling and education, tenant/landlord counseling and mediation, and other housing-related programs. To address the needs of Limited English Proficient speakers, ECHO provides services and classes in Spanish, has online information available in multiple languages, and has access to interpretation and translation services. ECHO programs include:

- Fair housing counseling, investigation, education, and enforcement
- Tenant/landlord counseling and mediation
- Rental Assistance Program
- Home Seeking Services
- Shared Housing Counseling & Placement
- Homebuyer Education Workshops

ECHO Housing has compiled fair housing complaints in Newark that align with those at the county level, with the majority regarding race and disability. In Newark, disability has the highest share of complaints filed from 2016 to 2021 at 27, with race at 16 complaints. City staff conducted one on one interviews with affordable housing providers. Through communication with Darin Lounds on April 29th, 2022, Executive Director of the Housing Consortium of the East Bay, he shared that many people with disabilities are well educated in the process, which can make it appear there are a larger number of instances of discrimination in comparison with other types of discrimination.

El Timpano is a non profit, community based organization in Alameda County that provides access

to information for Spanish and Mayan speaking communities through a text based SMS platform. They conducted an in depth investigation on the barriers that residents are experiencing accessing housing resources during COVID-19. They found that women and undocumented residents faced the most challenges, with specific issues faced by residents were:

- Difficulty of providing documentation when many undocumented immigrants are paid under the table or are not named on rental leases,
- Challenges accessing information digitally
- Complicated/confusing applications without assistance readily available

Through communication through text and phone interviews, the organization found that changes that would be most impactful in supporting increased access would be less documentation-heavy requirements, help with the application process over the phone or in person, more promotion and support in Spanish, and a shorter application process.

Table 3-1: Newark Fair Housing Complaints, 2016-2021

Fiscal Year	Race	National Origin	Disability	Familial Status	Marital Status	Religion	Sex	Source of Income	Age	Other	TOTAL
2016-2017	10	0	5	0	0	0	0	0	0	0	15
2017-2018	1	0	1	0	0	0	0	0	0	0	2
2018-2019	4	0	1	0	0	0	0	0	0	0	5
2019-2020	1	0	10	0	0	0	0	0	0	0	11
2020-2021	0	4	10	0	0	0	0	2	0	0	14

Source: ECHO Housing

Table 3-2: Fair Housing Complaints Forwarded to Fair Housing and Equal Opportunity Alameda County, January 2017- June 2020

Complaint type					2017-2021 Total	
	2017	*2018*	*2019*	*2020*	*Cases*	*% of Total*
Color	1	1	1	0	3	1.5%
Disability	32	26	28	15	101	49.8%
Familial Status	10	5	3	2	20	9.9%

Complaint type					2017-2021 Total	
	2017	*2018*	*2019*	*2020*	*Cases*	*% of Total*
National Origin	4	4	0	1	9	4.4%
Hispanic Origin	2	2	0	0	4	2.0%
Race	7	9	5	2	23	11.3%
Asian	0	1	0	0	1	0.5%
Black	5	4	5	2	16	7.9%
Black and White	0	1	0	0	1	0.5%
Native American	1	1	0	0	2	1.0%
White	1	2	0	0	3	1.5%
Religion	1	2	2	0	5	2.5%
Retaliation	7	9	8	1	25	12.3%
Sex	***7***	***5***	***5***	***0***	***17***	***8.4%***
Total Cases	***69***	***61***	***52***	***21***	***203***	***100%***

HUD Note: Percents do not add up to 100 due to cases containing multiple bases of discrimination.

Local Knowledge on Capacity and Enforcement

Four key issues in the capacity and enforcement of fair housing have been identified in the Alameda County Analysis of Impediments to Fair Housing document, and by the Executive Director of ECHO Housing:

1. **Inadequate funding and organizational capacity** are the primary limitations for improving and expanding upon existing fair housing enforcement. Recividng funding from a couple jurisdictions in the County is insufficient.
2. **Limited sources of funding and HUD capping allocation amounts** of Community Development Block Grants for fair housing activities limits the participating jurisdictions from being able to utilize more of these funds for fair housing work.

3. **Reduction in the number of fair housing organizations and activities in the region** has taken place, with at least two fair housing agencies in the East Bay have closed their doors.
4. **A lack of affordable housing supply** due to significant decreases in funding from the federal government since 2008. Guidance from HCD suggests a connection between fair housing complaints and that the lack of affordable housing that is needed is affordable to persons on public assistance, accessible housing for persons with disabilities, and senior citizens, single parent households and large families. Although local tax funding has been approved in select jurisdictions, a large funding shortcoming remains.

The Alameda County Collaborative, an ad-hoc group of housing program professionals working for local Alameda County jurisdictions, held a panel with representatives from community-based organizations (CBOs) on April 25, 2022. The participating CBOs' clientele included members of protected classes, including immigrants and non-English speakers; households with special needs, including persons with disabilities and seniors; and persons who are experiencing fair housing issues. This document synthesizes key points the CBOs presented.

Community-Based Organizations identified key barriers and obstacles that they and their clients face related to fair housing, including:

- Insufficient access to information due to language/technology barriers (particularly for immigrant communities and seniors); fear/distrust of the system; and difficulty understanding rights/resources
- Complex, inflexible application requirements for housing resources that may vary between jurisdictions, exclude certain people (e.g., undocumented, formerly
- incarcerated), or be difficult to meet
- Communication between CBOs and property owners is difficult to navigate, requires individual relationships with each location
- Overall cost of housing (most CBOs' clients fall under the 30% AMI) and need for tenant protections

The CBOs recommend these strategies to strengthen outreach efforts:

- Meet people where they are—engage with existing outreach channels
- Partner with school districts to distribute information, as well as any civic organizations such as libraries, religious institutions, medical services
- "Train the trainer" approach to educate existing service providers on housing rights and referrals for their clients

- Provide materials appropriate for audience (e.g., physical flyers for seniors; video/audio content for Mam speakers)

Solutions that panelists recommended for housing projects to better serve their clients:

- Identify onsite supportive services that are appropriate for residents early in process
- Early and sustained relationships between service providers and properties, especially relative to preparing eligible residents for the document/application needs for housing
- Renters' protection and long-term rental subsidies, particularly for households under 30% AMI
- Greater flexibility in application process (make it easier for CBOs and their clients to navigate, remove barriers for undocumented people)

Through housing survey responses and small group conversations in community meetings, The city has constantly heard from Newark residents and community organizations that there is both not enough affordable housing at levels accessible for those earning lower wages, as well as access to housing resources and application requirements for housing that make accessing housing out of reach.

Segregation and Integration Patterns

Segregation Patterns in the Bay Area

Across the San Francisco Bay Area, White residents and above moderate-income residents are significantly more segregated from other racial and income groups . The highest levels of racial segregation occur between the Black and white populations. The analysis completed for this report indicates that the amount of racial segregation both within Bay Area cities and across jurisdictions in the region has decreased since the year 2000. This finding is consistent with recent research from the Othering and Belonging Institute at UC Berkeley, which concluded that "although 7 of the 9 Bay Area counties were more segregated in 2020 than they were in either 1980 or 1990, racial residential segregation in the region appears to have peaked around the year 2000 and has generally declined since." However, compared to cities in other parts of California, Bay Area jurisdictions have more neighborhood level segregation between residents from different racial groups. Additionally, there is also more racial segregation between Bay Area cities compared to other regions in the state.

Segregation is the separation of different demographic groups into different geographic locations or communities, meaning that groups are unevenly distributed across geographies. The city looked at two spatial forms of segregation: neighborhood level segregation within a local jurisdiction and city level segregation between jurisdictions in the Bay Area.

Neighborhood level segregation: Segregation of race and income groups can occur from neighborhood to neighborhood within a city.

City level segregation: Race and income divides also occur between jurisdictions in a region.

Newark and Regional Segregation

To understand how Newark is connected to the total segregation of the Bay Area, one can look at the difference in the racial composition of a jurisdiction compared to the racial composition of the region as a whole. The racial demographics in Newark for the years 2000, 2010, and 2020 can be found in Table 3-3 below. The table also provides the racial composition of the nine-county Bay Area. As of 2020, Newark has a lower share of white residents than the Bay Area as a whole, a higher share of Latinx residents, a lower share of Black residents, and a significantly higher share of Asian/Pacific Islander residents.

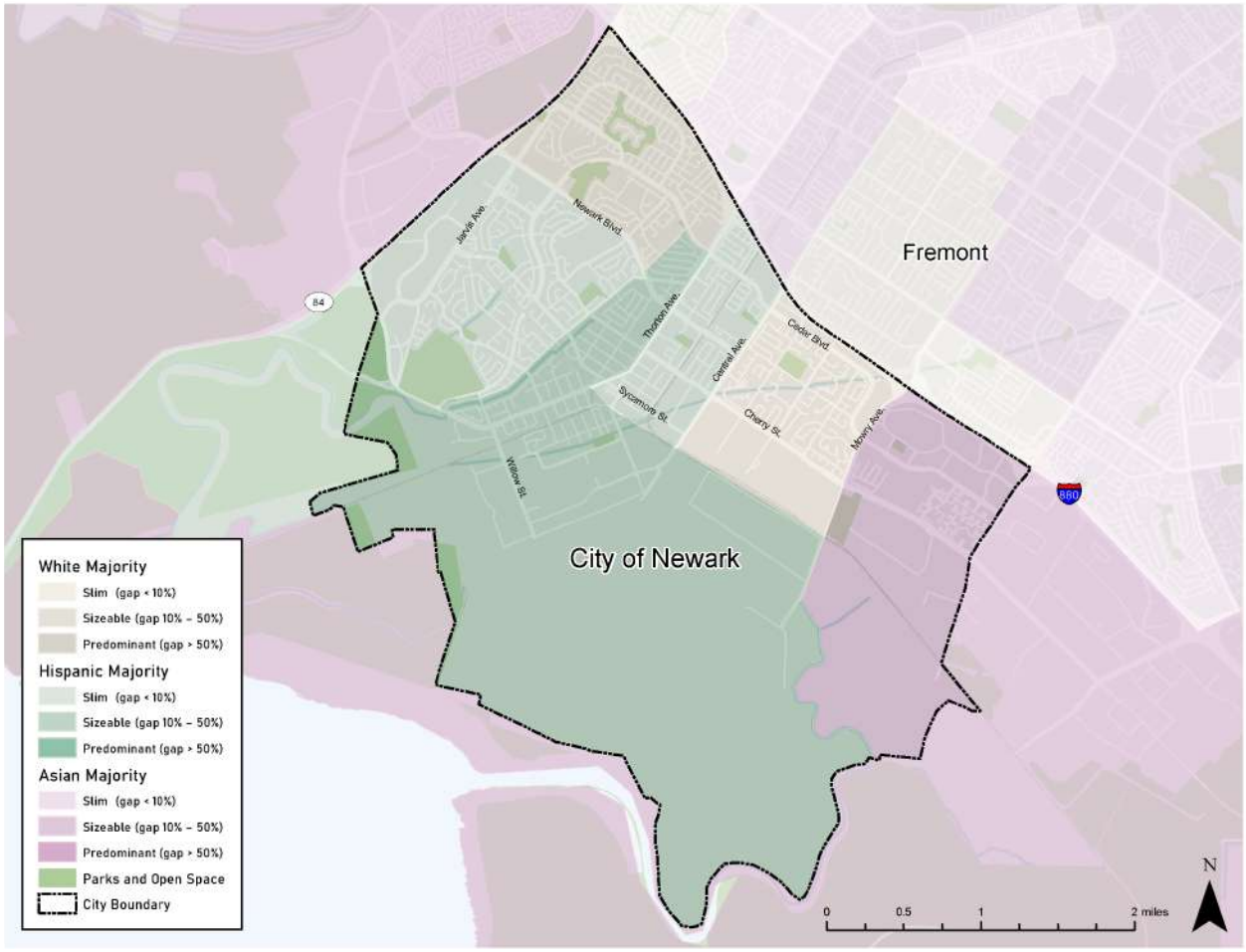
Latinx residents are primarily in close proximity to major highways and arterial roads such as Thornton Avenue, with White and Asian populations predominantly living to the North and South of Newark. The highest non white populations at 80 to 100 percent are concentrated along Thornton Ave in Old Town.

Table 3-3: Population by Racial Group, Newark and the Region, 2000 to 2020

Race	Newark			Bay Area
	2000	*2010*	*2020*	*2020*
Asian/Pacific Islander	21.1%	28.2%	42.6%	28.2%
Black/African American	3.9%	4.5%	3.1%	5.6%
Latinx	28.6%	35.2%	30.2%	24.4%
Other or Multiple Races	6.2%	4.6%	5.3%	5.9%
White	40.3%	27.5%	18.8%	35.8%

Source: Universe: Population. Source: IPUMS National Historical Geographic Information System (NHGIS). U.S. Census Bureau, 2020 Census State Redistricting Data (Public Law 94-171) Summary File, 2020 Census of Population and Housing, Table P002. Data from 2010 is from U.S. Census Bureau, Census 2010, Table P4. Data for 2000 is standardized to 2010 census tract geographies and is from U.S. Census Bureau, Census 2000, Table P004.

Figure 3-1: Predominant Racial Groups in Newark



Source: HCD AFFH Data Resources and Mapping Tool.

Race and Ethnicity

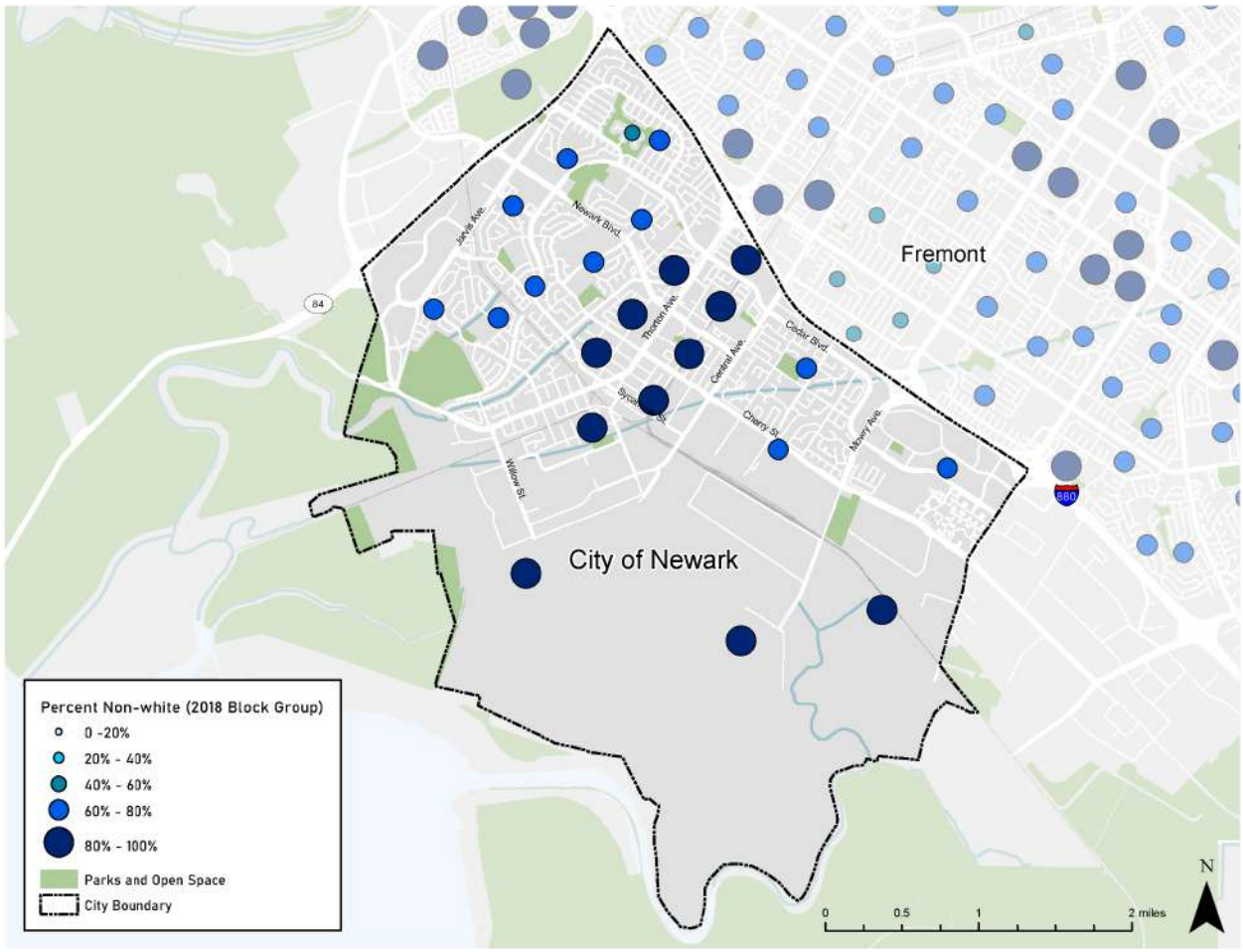
Asian and Hispanic/Latinx populations have grown significantly over the past 20 years to become the majority populations, with decreasing Black and White populations. The Asian population in Newark is multi-ethnic, with the largest being Chinese (10.1 %), followed by Filipino (9.6%) and Asian Indian (8.9%).

Table 3-4: Race and Ethnicity of Newark Residents, 2000 to 2020

Year	American Indian or Alaska Native, Non-Hispanic	Asian / API, Non-Hispanic	Black or African American, Non-Hispanic	White, Non-Hispanic	Other Race or Multiple Races, Non-Hispanic	Hispanic or Latinx
2000	148	9,329	1,639	17,103	128	12,145
2010	95	12,005	1,908	11,726	1,845	14,994
2020	107	17,315	1,534	10,629	1,822	15,975

Source: U.S. Census Bureau, 2016-2020 American Community Survey 5-Year Estimates

Figure 3-2: Racial Demographics of Newark, 2018



Source: HCD AFFH Data Resources and Mapping Tool.

Dissimilarity Index

Dissimilarity Index Guidance for Cities with Small Racial Group Populations

The analysis conducted for this report suggests that dissimilarity index values are unreliable for a population group if that group represents approximately less than 5% of the jurisdiction's total population.

If a jurisdiction has a very small population of a racial group, this indicates that segregation between the jurisdiction and the region (inter-city segregation) is likely to be an important feature of the jurisdiction's segregation patterns.

Table 3-5 below provides the dissimilarity index values indicating the level of segregation in Newark between white residents and residents who are Black, Latinx, or Asian/Pacific Islander. The table also provides the dissimilarity index between white residents and all residents of color in the jurisdiction, and all dissimilarity index values are shown across three time periods (2000, 2010, and 2020).

In Newark, the highest segregation is between Black and White residents (see Table 3-5). Newark's Black/white dissimilarity index of 0.244 means that 24.4 percent of Black or White residents would need to move to a different neighborhood to create perfect integration between Black residents and white residents. However, this dissimilarity index value is not a reliable data point due to small population size. See callout box above for more information. Latinx residents have rates of segregation between White residents with an index of .229 or 22.9 percent. Due to the fact that the Latinx community is 30 percent of the population in Newark, this indicates a significant level of segregation between Latinx and White residents in Newark, slightly higher than segregation at the regional level.

Table 3-5: Dissimilarity Index Between Racial Groups, 2000 to 2020

Race			Newark	Bay Area
	2000	2010	2020	2020
Asian/Pacific Islander vs. White	0.183	0.170	0.192	0.185
Black/African American vs. White	0.180*	0.204*	0.244*	0.244
Latinx vs. White	0.286	0.230	0.229	0.207
People of Color vs. White	0.204	0.173	0.169	0.168

Universe: Population. Source: IPUMS National Historical Geographic Information System (NHGIS). U.S. Census Bureau, 2020 Census State Redistricting Data (Public Law 94-171) Summary File, 2020 Census of Population and Housing, Table P002. Data from 2010 is from U.S. Census Bureau, Census 2010, Table P4. Data for 2000 is standardized to

2010 census tract geographies and is from U.S. Census Bureau, Census 2000, Table P004. Note: If a number is marked with an asterisk (*), it indicates that the index is based on a racial group making up less than 5 percent of the jurisdiction population, leading to unreliable numbers.

Isolation Index

Within the City of Newark the most isolated racial group is Asian residents. Newark's isolation index of 0.451 for Asian residents means that the average Asian resident lives in a neighborhood that is 45.1% Asian. Other racial groups are less isolated, meaning they may be more likely to encounter other racial groups in their neighborhoods. The isolation index values for all racial groups in Newark for the years 2000, 2010, and 2020 can be found in Table 3-6 below. Among all racial groups in this jurisdiction, the white population's isolation index has changed the most over time, becoming less isolated from other racial groups between the years 2000 and 2020.

Table 3-6: Isolation Index for Newark and the Bay Area, 2000 to 2020

Race	Newark			Bay Area Average
	2000	2010	2020	2020
Asian/Pacific Islander	0.236	0.307	0.451	0.245
Black/African American	.041	0.048	0.032	0.053
Latinx	0.331	0.386	0.334	0.251
White	0.431	0.297	0.207	0.491

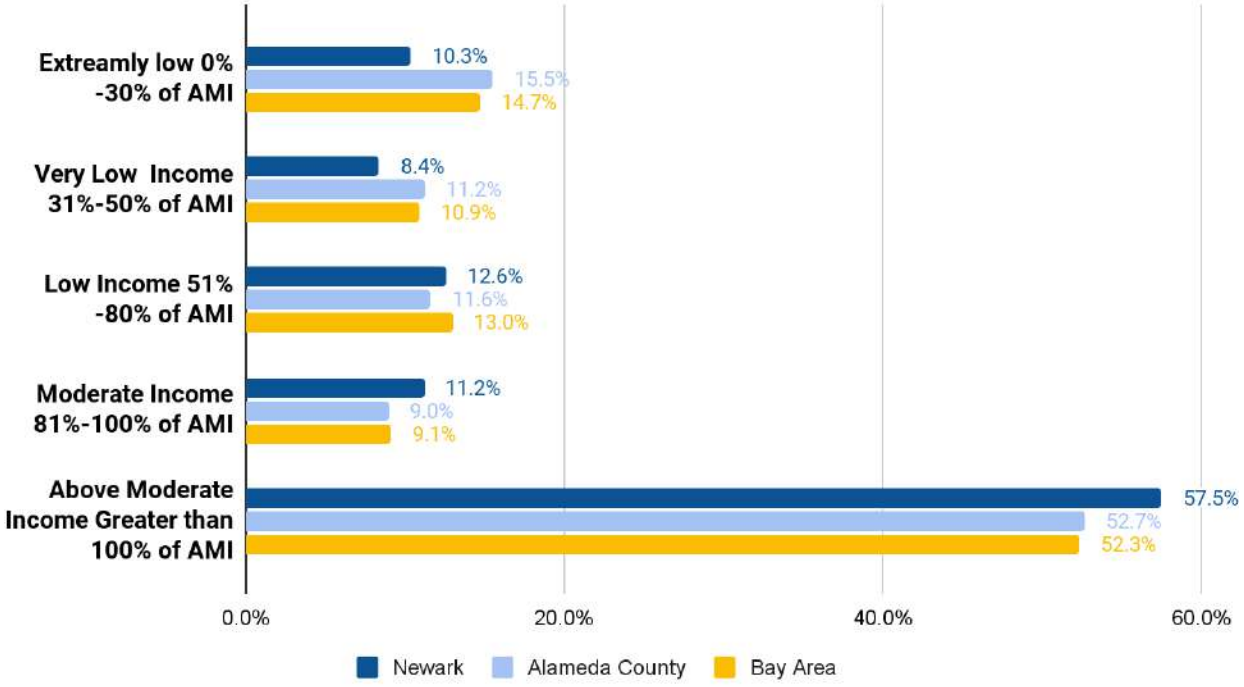
Universe: Population. Source: IPUMS National Historical Geographic Information System (NHGIS). U.S. Census Bureau, 2020 Census State Redistricting Data (Public Law 94-171) Summary File, 2020 Census of Population and Housing, Table P002. Data from 2010 is from U.S. Census Bureau, Census 2010, Table P4. Data for 2000 is standardized to 2010 census tract geographies and is from U.S. Census Bureau, Census 2000, Table P004.

Income status

There are fewer very low and extremely low income households in Newark than Alameda County and the Bay Area, and with slightly higher percentages of moderate and above moderate income households than Alameda County and the Bay Area. Low income households at 50-80 percent area median income are relatively equal across geography at 12.6 percent for Newark, Alameda County (11.6 percent) and the Bay Area (13 percent). In Newark, low income households are concentrated in the central portion of the city, with the highest concentrations found along Thorton avenue in the Old Town area. Figure 3-4 shows income by race in Newark. The areas with 50 percent or greater of low to moderate income populations also have the highest concentrations of BIPOC residents. Higher income residents are found outside of Central Newark, as seen in Figure 3-5. While the majority of Newark is single family housing, Central Newark is where older housing stock is found along a major arterial road, with lower rents as a result. The majority of very

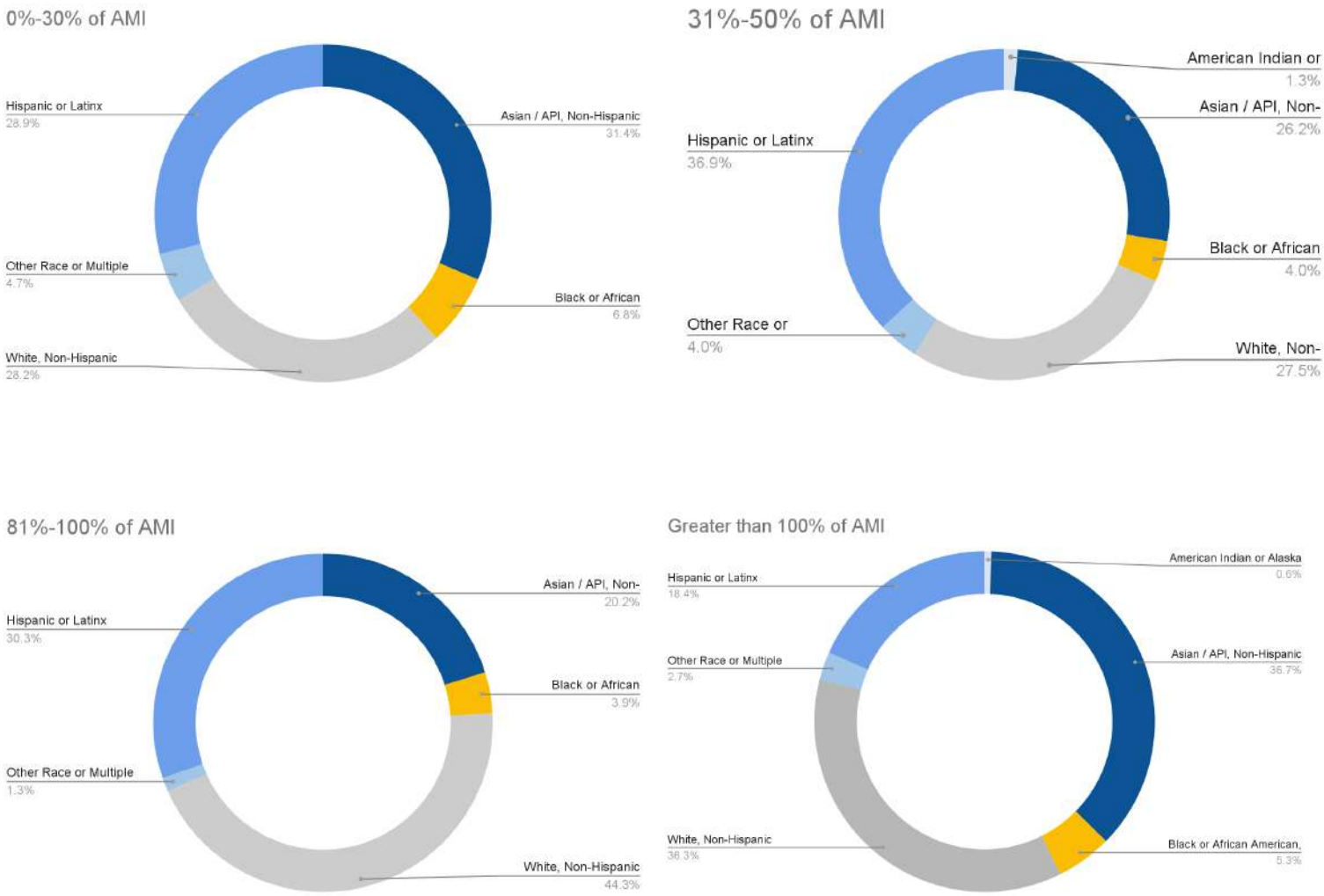
low and low income residents are Black, Hispanic/ Latino and Asian/ Pacific Islander. Figure 3-4 shows these populations are approximately 67 percent of the population for very low incomes and 68 percent for low income. For moderate and above moderate income populations, the demographics shift sharply to a greater percentage of White residents (44 percent) for moderate income and above moderate income White residents (36 percent) and Asian and Pacific Islander residents (37 percent) make up the larger percentage of residents in these income categories. Asian and Pacific Islanders have comprised a large percentage of both the lowest and highest income categories. Although the Censuses data combines the groups, we know from other research that Pacific Islander students in Newark Unified School District have high levels of homelessness.

Figure 3-3: Household Income levels for Newark, Alameda County and the Bay Area, 2013- 2017



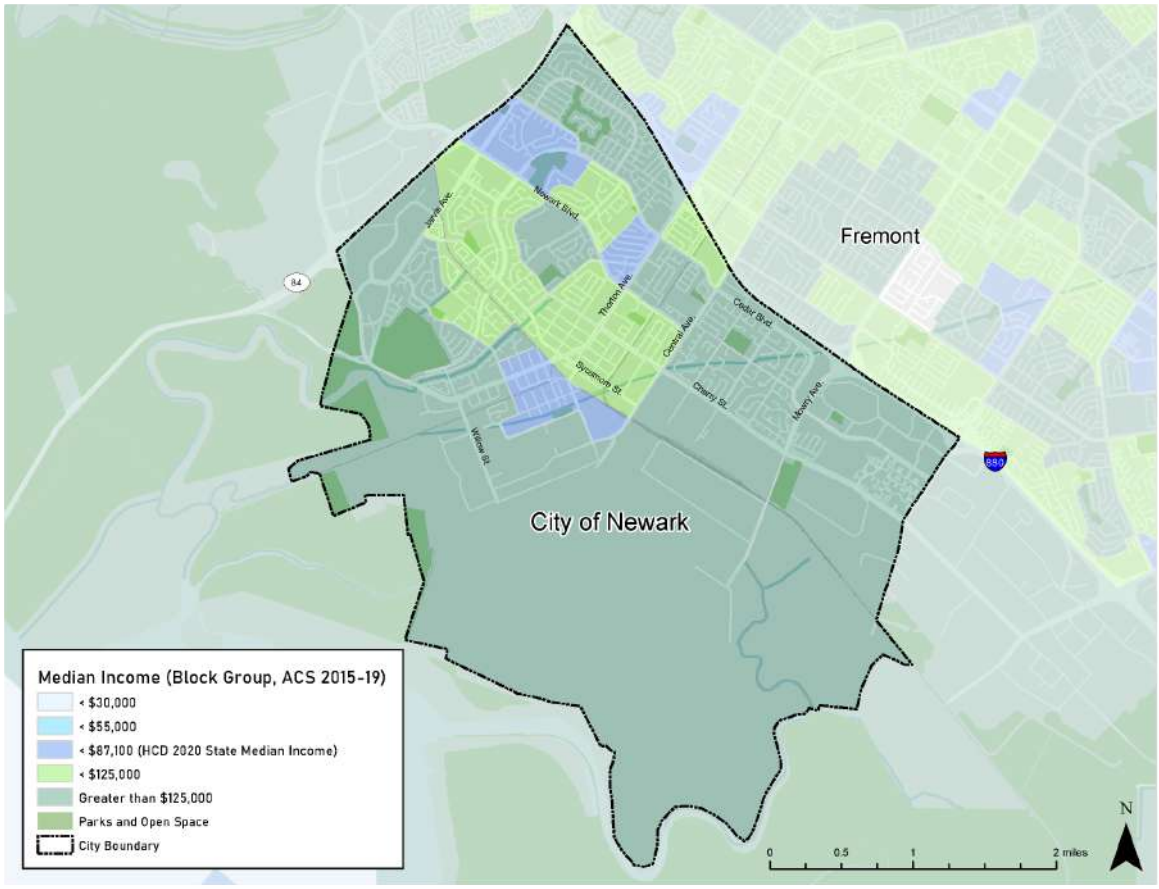
Source: US Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy. ACS tabulation, 2013-2017 release

Figure 3-4: Income by Race and Ethnicity, 2013- 2017



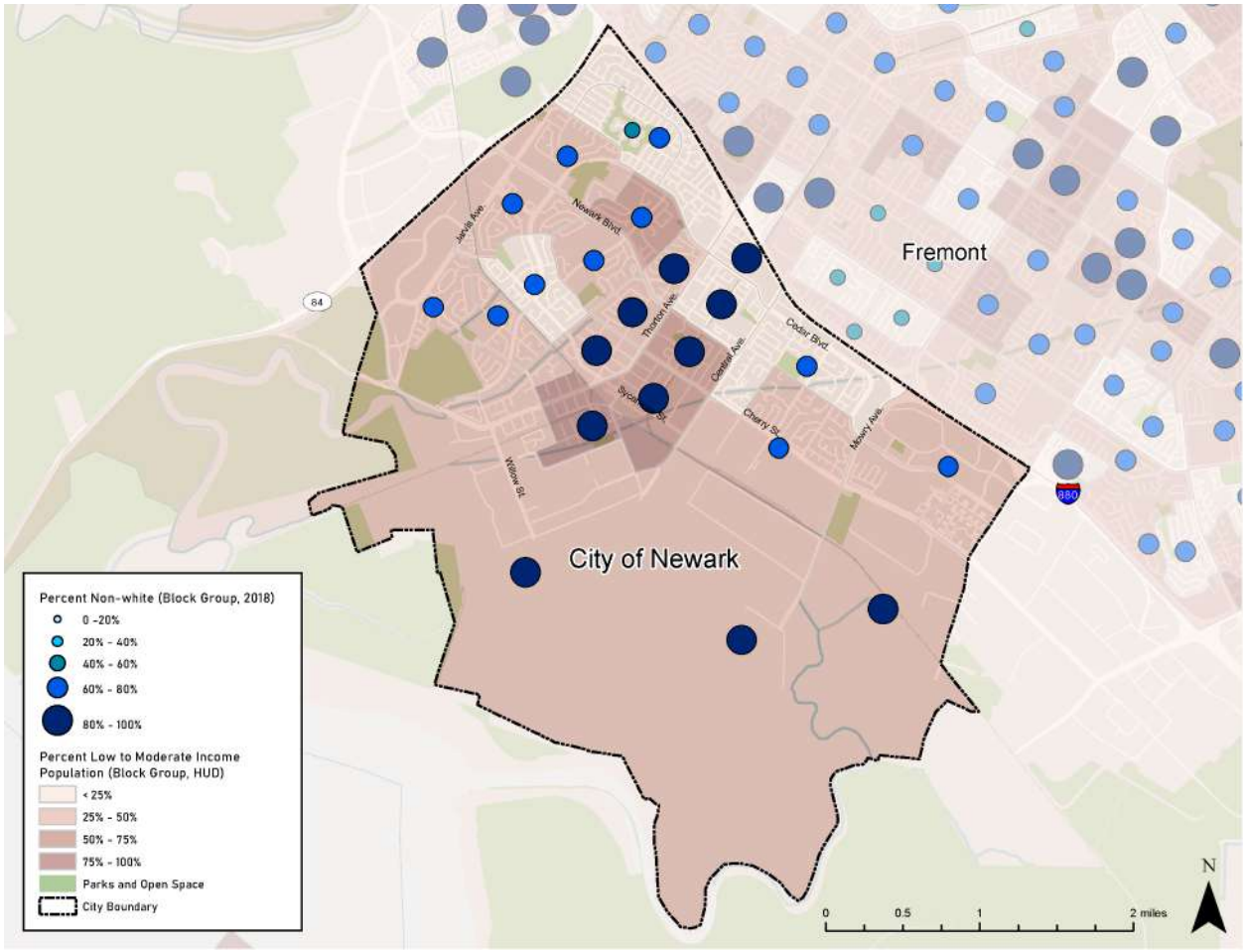
Source: US Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy. ACS tabulation, 2013-2017 release

Figure 3-5: Median Household Income, 2015- 2019



Source: HCD AFFH Data Resources and Mapping Tool.

Figure 3-6: Low to Moderate Income Households and Percent Non-White Population, 2018



Source: HCD AFFH Data Resources and Mapping Tool.

Family Status

Newark has the largest household size in Alameda County. According to the County of Alameda's Regional Analysis of Impediments to Fair Housing Choice (2020), there is a higher percentage of families with children in Alameda County as a whole compared to other family types, but the overall proportion of families with children has decreased by 6 percent from 1990 to 2017. According to the 2021 ACS 5 year data, there are 9,693 children under the age of 18 in Newark, with the majority, 7,546 in married couple households. Figure 3-22 Shows 80 percent and higher of married couples with children are found in the north east, north west and south east corners of the city. These areas include Lake-Rosemont, a moderate opportunity neighborhood of single family homes, NewPark Place and Sanctuary Village, a newer single family housing development and an area identified as high opportunity. The neighborhood to the South East surrounding Lincoln Elementary school is an older single family neighborhood with smaller single story homes. Central Newark has 60 to 80 percent of married couple households with children. This area also

has more civic and commercial uses. Only one area in North central Newark has a concentration of single mother households from 20 to 40 percent. The majority of the city is 20 percent or below. This is an area with older single family housing stock and a recently closed elementary school.

Disability

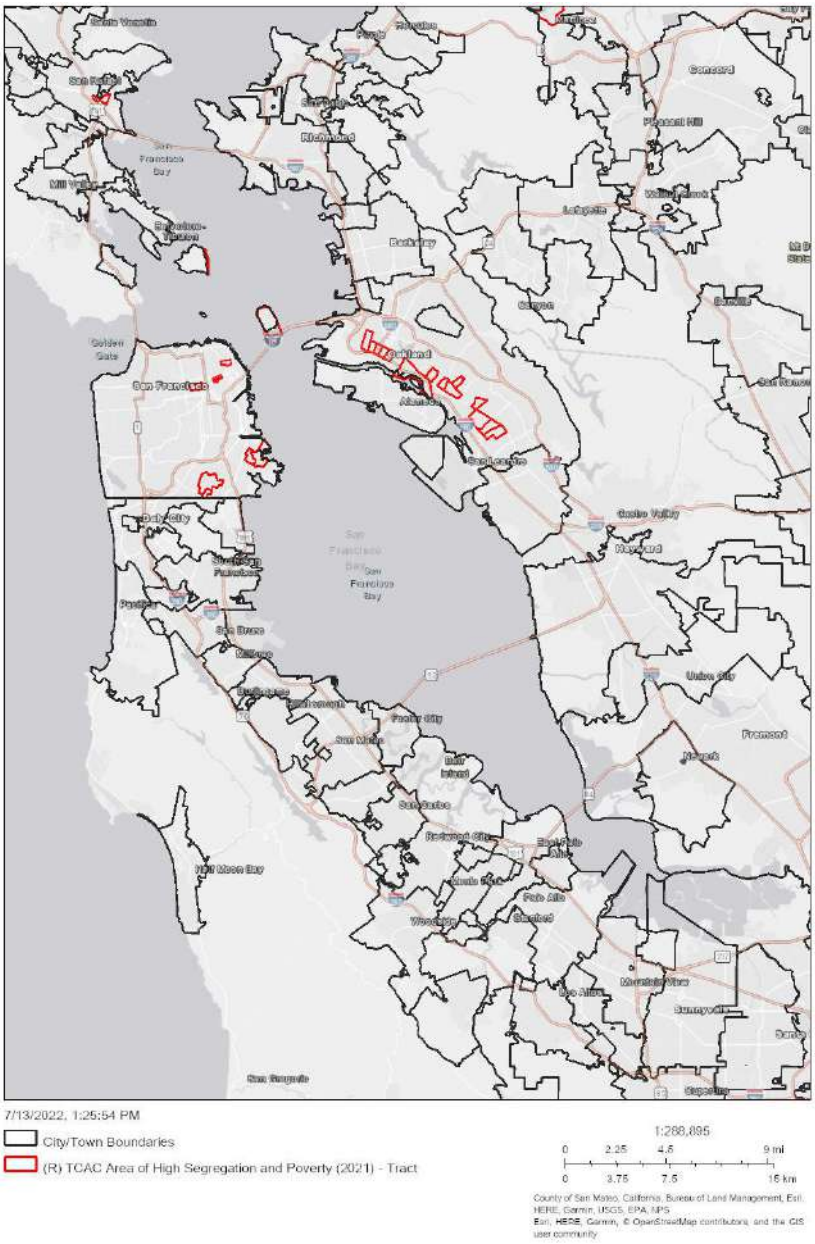
As seen in Figure 3-60, there is no concentration of residents with a disability in Newark. The majority of residents with a physical disability are seniors, and are primarily related to ambulatory movement. Through community engagement, especially with the senior community, there is a strong interest in shared housing and accessory dwelling units in order to remain in their communities. City is proposing programs such as H2.2 Accessory Dwelling Unit incentive program, H4.5, connecting residentings to existing shared housing programs and H4.7, Increasing housing opportunities for those with developmental disabilities.

E. Racially and/or Ethnically Concentrated Areas of Poverty + Affluence

Racially or Ethnically Concentrated Areas of Poverty (R/ECAP) are neighborhoods in which there are both racial concentrations and high poverty rates. HUD's definition of a R/ECAP is:

- A census tract that has a non-white population of 50 percent or more (majority-minority) or, for non-urban areas, 20 percent, AND a poverty rate of 40 percent or more; OR
- A census tract that has a non-white population of 50 percent or more (majority-minority) AND the poverty rate is three times the average tract poverty rate for the county, whichever is lower. Households within R/ECAP tracts frequently represent the most disadvantaged households within a community and often face a multitude of housing challenges. R/ECAPs are meant to identify where residents may have historically faced discrimination and continue to be challenged by limited economic opportunity. While there are several R/ECAPs in Alameda County, the majority are concentrated in the City of Oakland with a few in Berkeley, one in Hayward, and one in the unincorporated county (see Figure 3-7). No R/ECAPs were identified in Newark.

Figure 3-7: Area of High Segregation and Poverty, 2021



Source: HCD AFFH Data Resources and Mapping Tool.

Racially and/or Ethnically Concentrated Areas of Affluence

Racially or Ethnically Concentrated Areas of Affluence (RCAAs) are neighborhoods in which there are both high concentrations of non-Hispanic white households and high household income rates. HCD has not yet established one standard methodology for determining RCAAs in California, but for the purpose of this analysis an RCAA is defined as a census tract with: 1) an average total

White population that is 1.25 times higher than the average total White population in the Bay Area region and 2) a median household income of $141,996 or higher (1.5 times higher than the Bay Area AMI in 2019). Based on this methodology, there are RCAAs throughout the eastern county spanning from Dublin, Livermore, and the unincorporated eastern county up through Castro Valley and Contra Costa County area. There are also RCAAs in the City of Alameda and Oakland. There are no RCAAs within Newark based on this methodology.

Although Newark does not have areas that have been identified as Racially or Ethnically Concentrated Areas of Affluence through this methodology, there are areas of concentrated affluence in Newark, where residents are making more than $141,000, but do not have the levels of white population to identify as an area of Racially or Ethnically Concentrated Area of Influence.

F. Disparities in Access to Opportunity

Historically, and into the present day, affordable housing in the United States has been disproportionately developed in BIPOC neighborhoods that have been disinvested with high poverty rates, thereby reinforcing the concentration of poverty and racial segregation in low opportunity and low resource areas. Several agencies, including HUD and HCD, in coordination with the California Tax Credit Allocation Committee (TCAC), have developed methodologies to assess and measure geographic access to opportunity in areas throughout California. For this assessment, the opportunity indices prepared by HUD and HCD/TCAC are used to analyze access to opportunity in the City of Newark. Access to opportunity is measured by access to healthy neighborhoods, education, employment, and transportation. At the county level, Alameda county is close to equal in the percentage of the county that is high resourced (36%) and the percentage that is low resource (39%). Figure 3-8 shows the distribution of opportunity at the regional level. A large portion of the county is classified as low to moderate opportunity. Higher opportunity areas are found in Berkeley, Alameda, San Leandro, and Fremont. Figure 3-9 shows the composite opportunity areas in Newark. The majority of the city is identified as moderate and high resource, with no low resource areas or areas of high segregation and poverty. Through a community housing survey conducted by the city, residents were asked if they feel their neighborhood has opportunities for you and your family, 18 percent said no and 28 percent said somewhat. When asked what would make it feel that there was more opportunity the top three responses were:

1. City infrastructure that supports physical activity, including sidewalks, bike lanes, parks, and rec centers
2. Affordable, safe, and healthy housing choices
3. Educational opportunities that are academically and culturally supportive

"I think increasing access really has to do with increasing the supply first and putting affordable housing in

high resource areas and near public transit as well as retail."

Figure 3-10 shows the distribution of opportunity areas by race. Asian residents comprise the majority of the residents in the high resource areas at 63.8 percent, followed by White residents (16%), and Hispanic/ Latinx (11.5%). Low resourced or high segregation and poverty areas are primarily populated by Hispanic/ Latinx (39.7%) and Asian (38.3%) residents. Moderate resource areas are representative of the population with 36.9 percent of Hispanic/ Latinx residents, Asian residents (29.7%) and African American (3.5%).

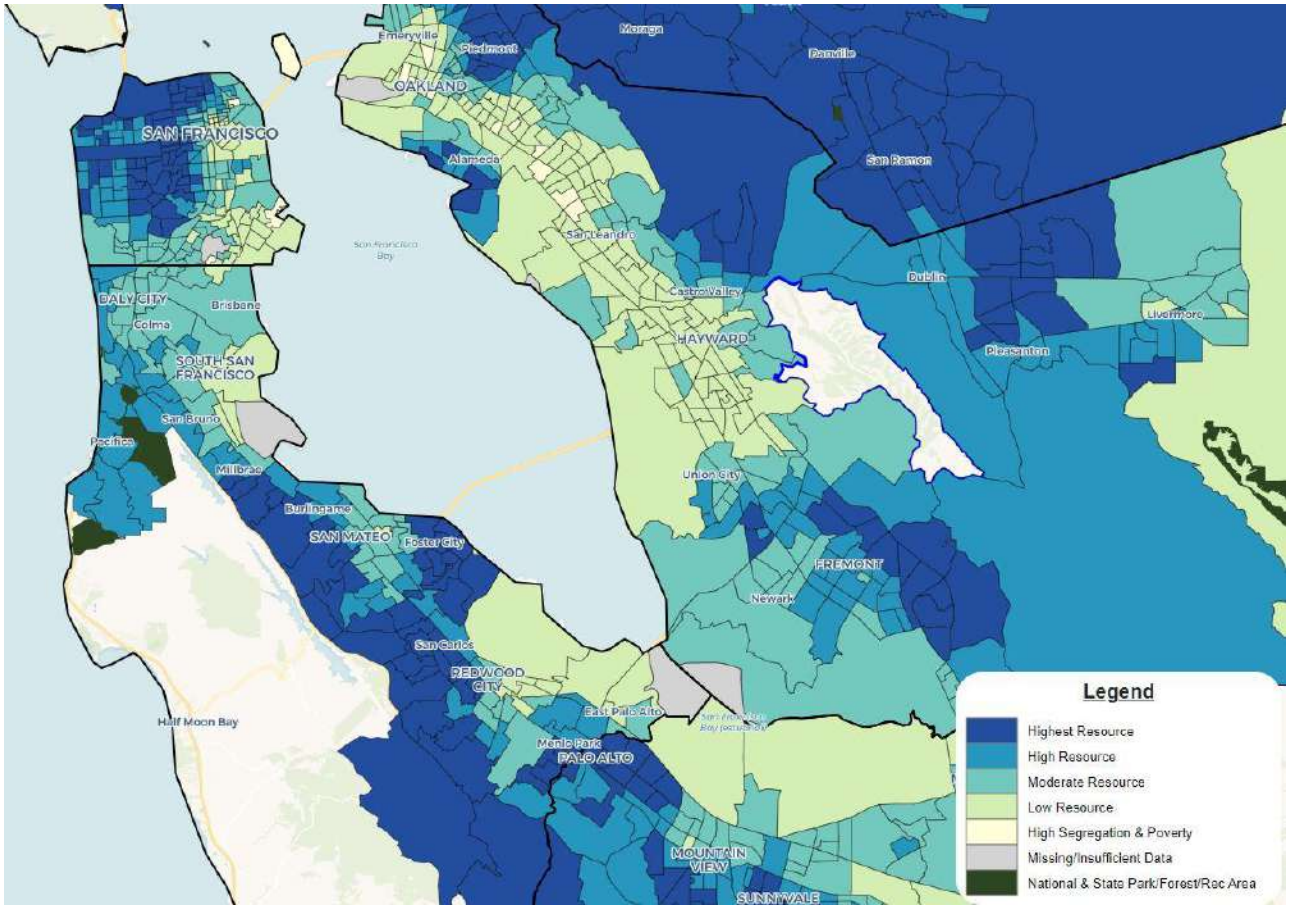
HUD Opportunity Index HUD's opportunity indices compare data indicators by race and ethnicity, for households below the poverty line, between jurisdictions, and for the region overall. The indices include the following:

Table 3-7: Domains and List of Indicators for Opportunity Maps, 2021

Domain	Indicators
Environmental	CalEnviroScreen 4.0 from pollution burdens and socio economic factors are indicators
Economic	Poverty, Adult education, Employment, Job proximity, Median home value
Education	Math proficiency, Reading proficiency, High School graduation rates, Student poverty rates
Poverty and Racial Segregation	Poverty: tracts with at least 30 percent of population under federal poverty line Racial Segregation: Overrepresentation of people of color relative to the county (i.e., Tracts with a racial location quotient higher than 1.25 for Black, Hispanic, Asian, or all people of color in comparison to the county)

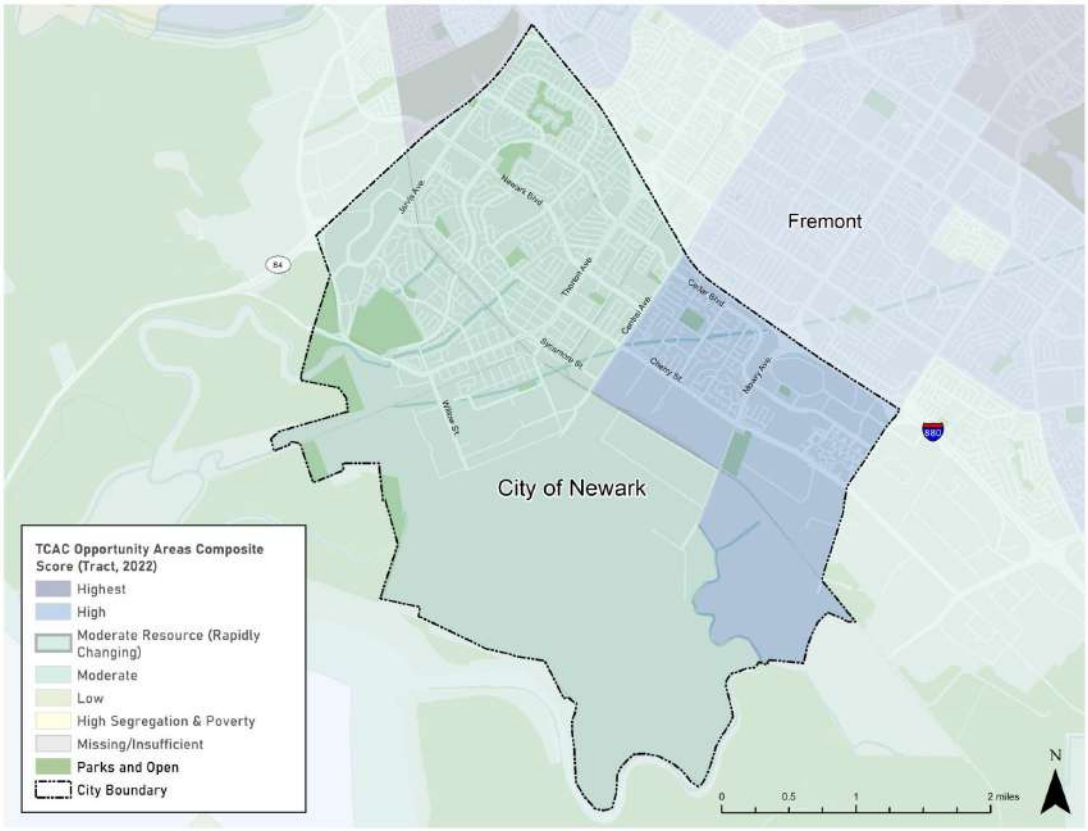
Source: CA Fair Housing Task Force, Methodology for TCAC/HCD Opportunity Maps, December 2021.

Figure 3-8: Distribution of TCAC Opportunity Areas in the San Francisco Bay Area, 2022



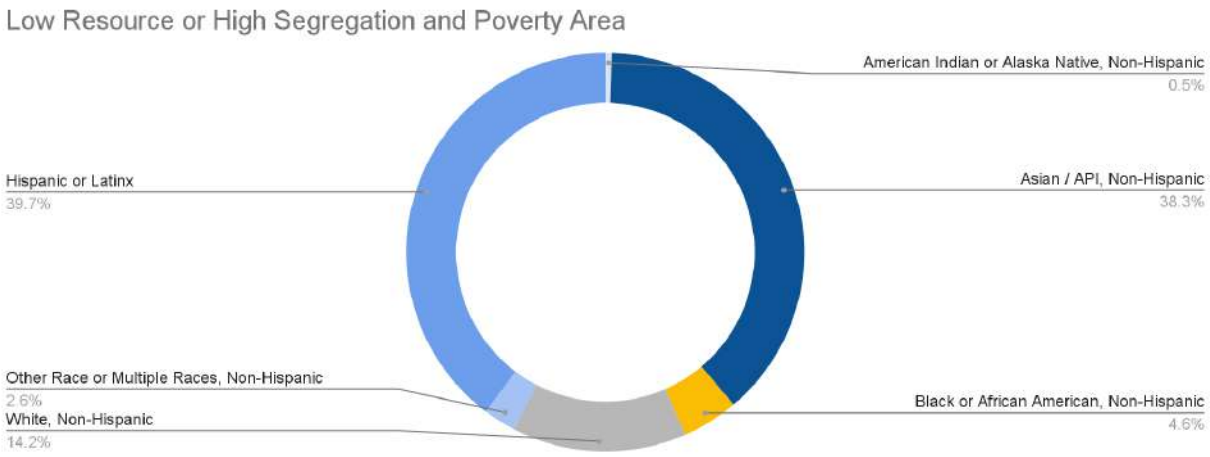
Source: CA Tax Credit Allocation Committee, 2022

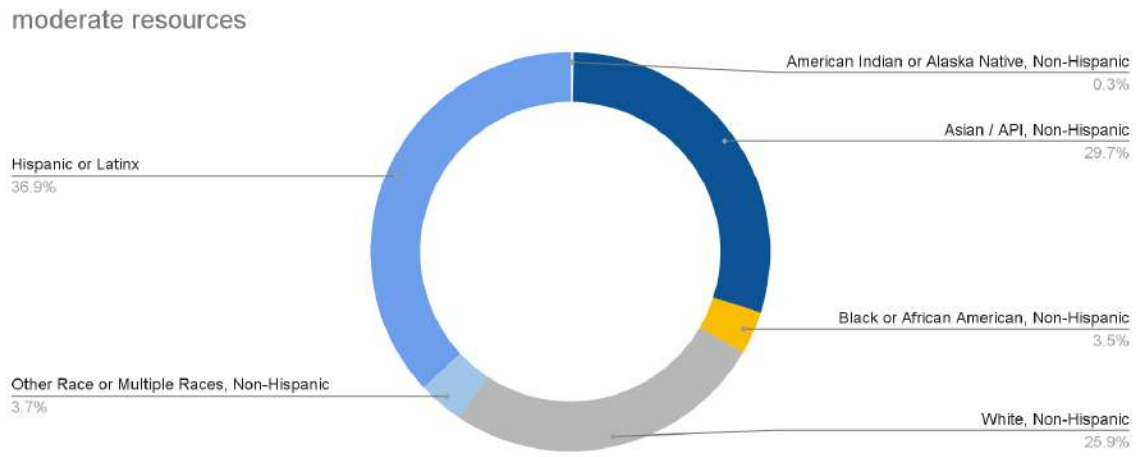
Figure 3-9: Composite of Opportunity Areas in Newark, 2022



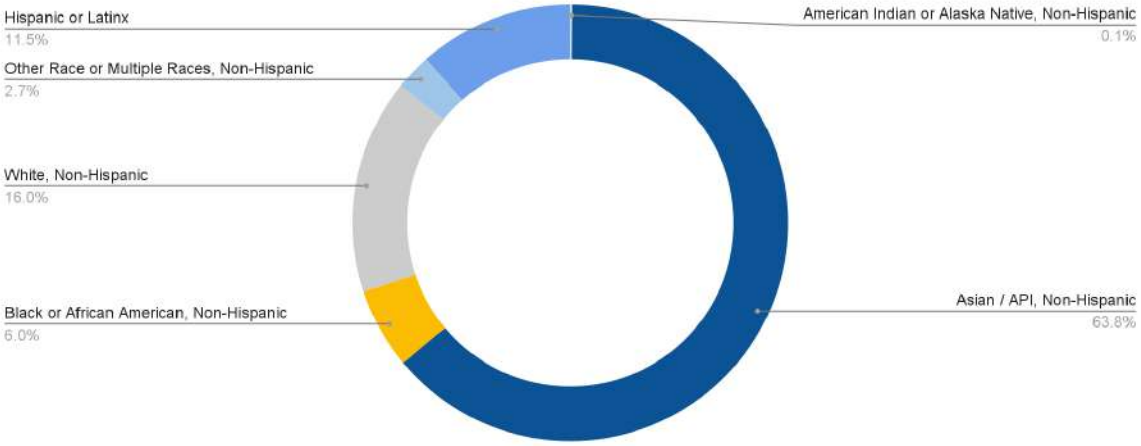
Source: CA Tax Credit Allocation Committee, 2022

Figure 3-10: Percentage of Residents in Low, Moderate and High Resourced Areas by Race, 2015- 2019





Highest Resourced Area



Source: CA Tax Credit Allocation Committee / California Housing and Community Development (HCD),Opportunity Maps (2020); U.S. Census Bureau, 2015-2019 American Community Survey 5-Year Estimates. Table B03002

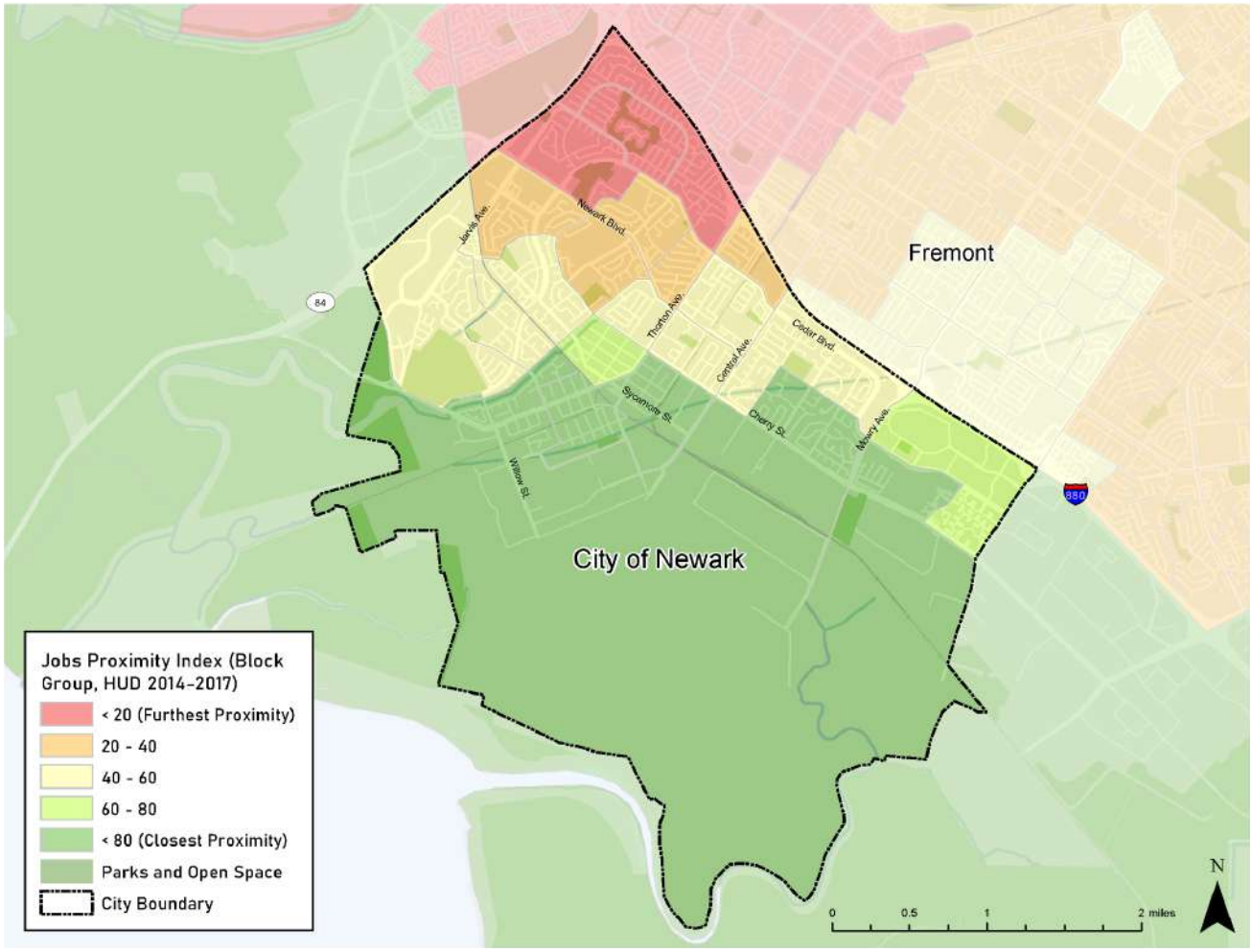
Economic Opportunity and Jobs proximity Index

The TCAC/HCD Economic Opportunity map measures economic opportunity through poverty, levels of adult education, employment, proximity to employment, and median home values. The majority of Newark has an economic score of less than .25 and .25 to .50, indicating less than positive economic opportunity. The southern corner of the city has higher economic opportunity with a score of .50 - .75. The area has a predominant Asian population and a median income greater than 125,000.

Newark has a close proximity to jobs in the eastern portion of the city, close to Silicon Valley. Areas in the northern portion of the city are furthest from jobs, although in the future the south west portion of the city will potentially have access to regional transportation through the creation of

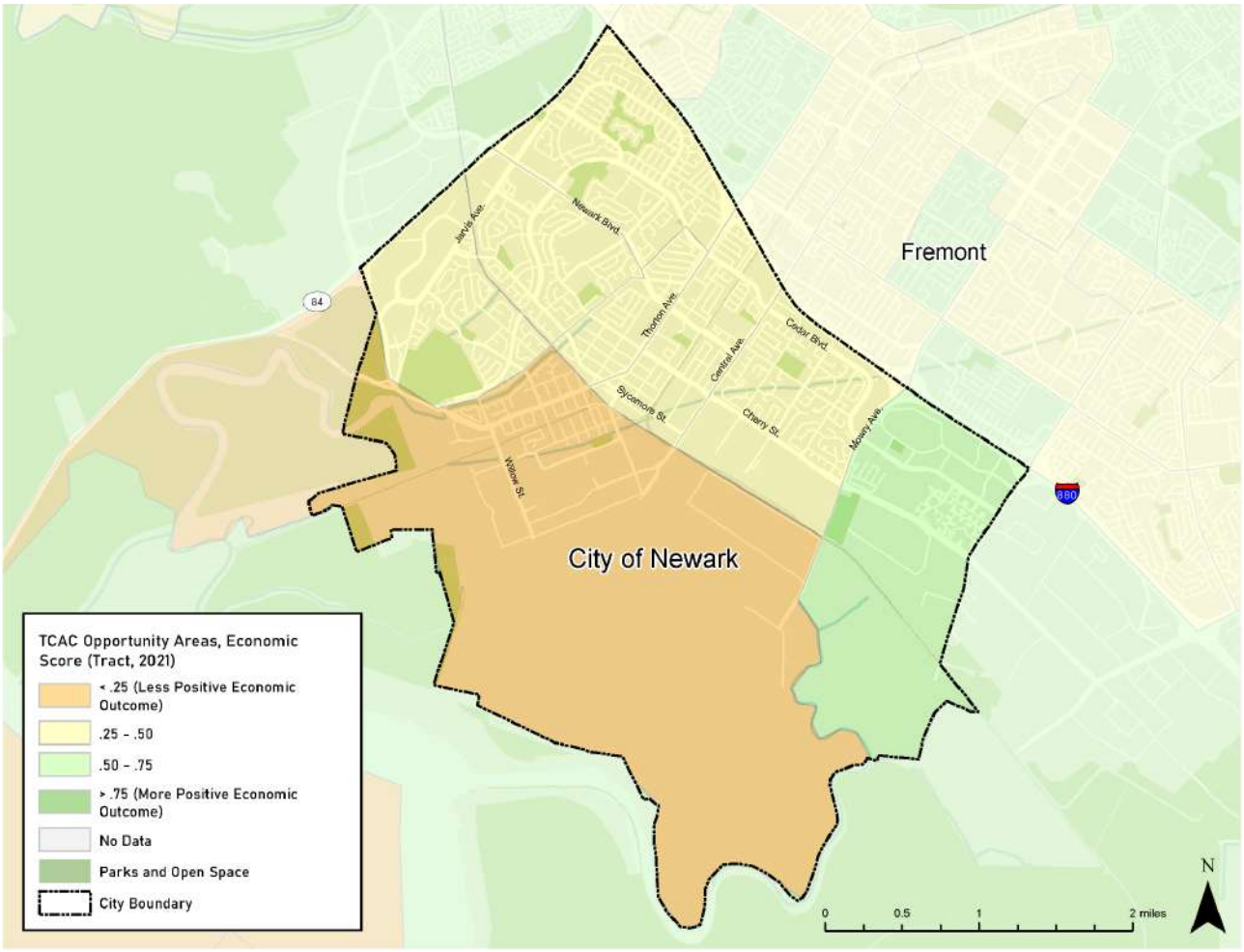
the Dumbarton rail line. Economic opportunity was not cited though community engagement as a concern. Newark has a relatively low unemployment rate of 3.5 percent, but does have a larger percentage of residents leaving the city for work, than remaining in the city.

Figure 3-11: Jobs Proximity Index Composite, 2014-2017



Source: HCD AFFH Data Resources and Mapping Tool

Figure 3-12: Economic Opportunity Score, 2021



Source: HCD AFFH Data Resources and Mapping Tool.

Environmental Opportunity

Exposure to a variety of environmental pollutants causes detrimental effects on human health, especially for children. The environmental opportunity score looks at 12 indicators to determine the level of environmental health of a community. The score is created through the consideration of both the pollution burden of exposure, and the population characteristics of an area. Newark has a mixed classification of environmental impacts, with portions of the city identified as having more positive environmental outcomes and others with less.

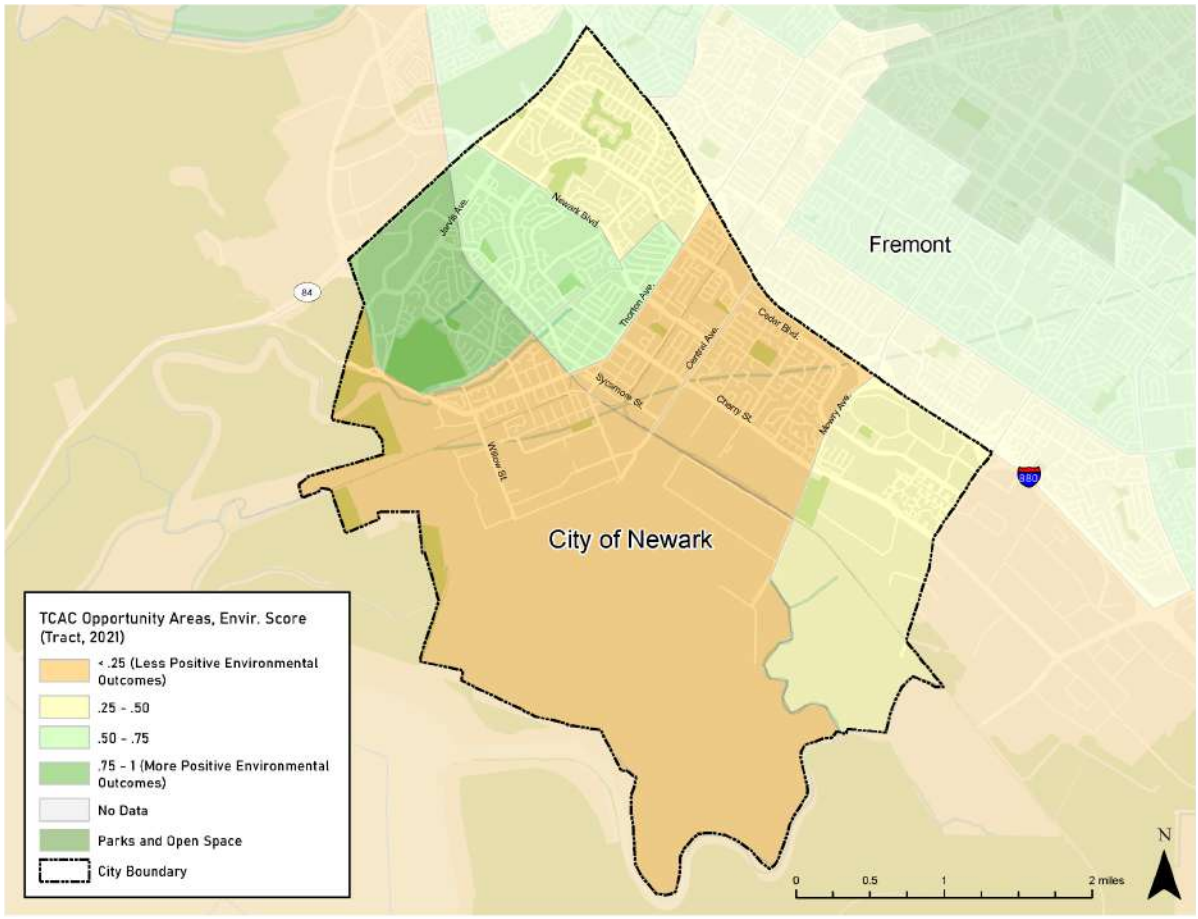
As a whole, Newark has fine particulate matter rates of 7.2 micrometers, which are higher than the World Health Organization guideline of 5 micrometers, but lower than the US EPA standard of 12 micrometers. These levels can be attributed to industrial outputs, diesel exhaust from major arterials, and two freeways that border Newark. From December 1, 2019 - November 30, 2020,

Aclima collated data showing particulate samples of 8.7 micrometers along Thornton Avenue. The CalEnviroScreen score ranks census tracks from 1 to 100, with 100 being the highest percentile of communities disproportionately burdened by multiple sources of pollution and with population characteristics that make them more sensitive to pollution. Figure 3-13 shows the patchwork distribution of outcomes, with the lowest environmental outcomes in central Newark and a portion of the Old Town area that is also home to a majority of BIPOC and low income residents. The census tract is 47 percent Hispanic / Latinx, Asian (26.6%) and African American (4.1%) residents. This area has an overall pollution burden percentile of 61 and 76th percentile for asthma, while areas with higher environmental outcomes are in the Northwestern corner of the city. Long-term exposure may increase the risk of respiratory disease, heart disease, decreased lung function, premature birth, and reduced life expectancy. For Newark, with a high percentage of families with children in the city, addressing environmental issues is vital to addressing environmental justice.

According to an analysis conducted by ESA towards the preparation of an Environmental Justice Element in Newark, the following are major indicators of environmental contamination:

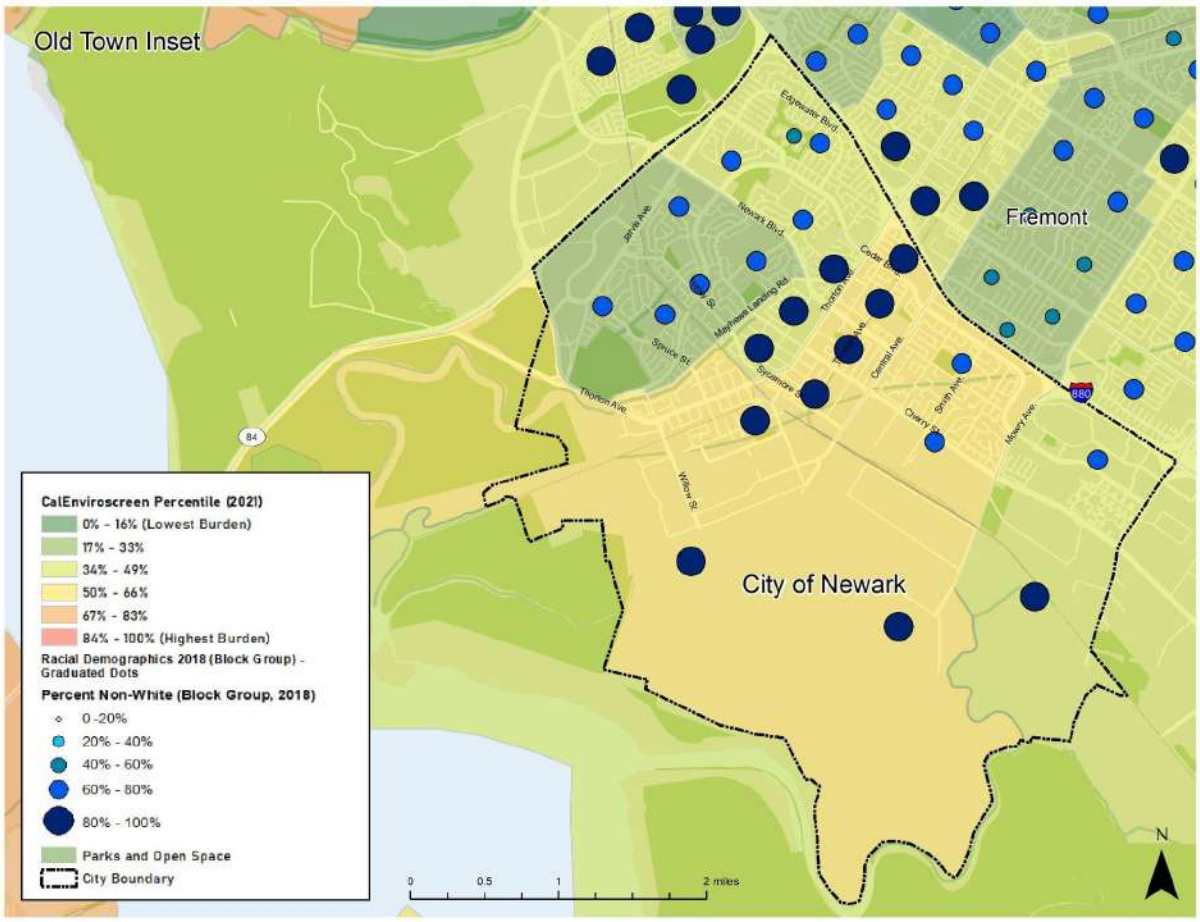
1. Ozone Concentrations,
2. PM 2.5 Concentrations
3. Diesel PM Emissions
4. Drinking-Water Contaminants
5. Pesticide Use
6. Toxic Releases from Facilities
7. Traffic Density
8. Cleanup Sites
9. Groundwater Threats
10. Hazardous Waste Generators and Facilities
11. Impaired Water Bodies
12. Solid Waste Sites and Facilities

Figure 3-13: Environmental Opportunity Score, 2021



Source: HCD AFFH Data Resources and Mapping Tool.

Figure 3-14: CalEnviroScreen and Non-White Population, 2021 and 2018

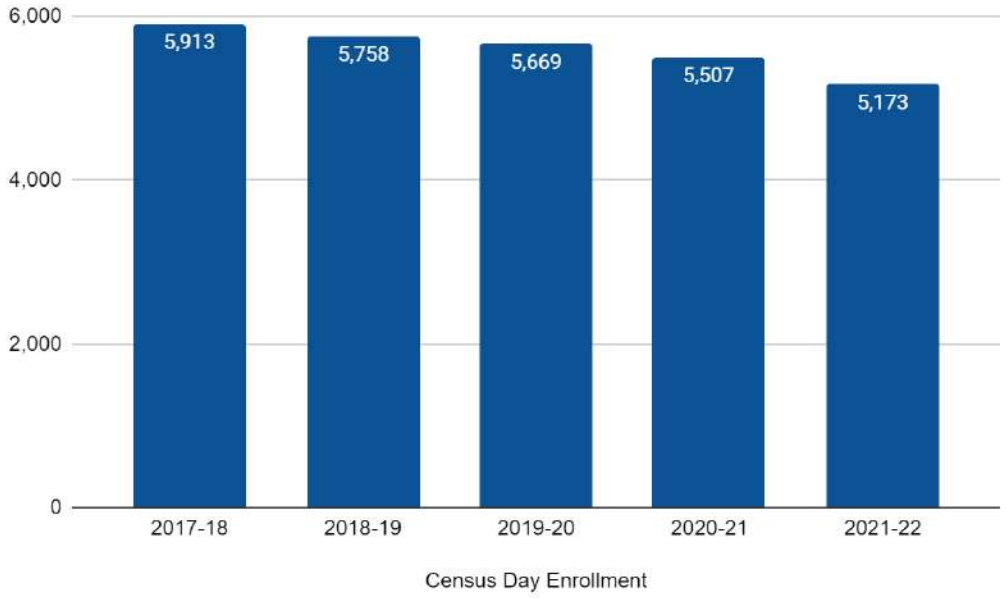


Source: HCD AFFH Data Resources and Mapping Tool.

Education

Equitable access to culturally relevant and engaging educational opportunities is foundational in increasing opportunities for all residents. Newark Unified school district has 11 schools in total, with 2 of its eight elementary schools either closed within the past year or scheduled to close in following the 2022 school year. The school board is making the choice to close schools in response to a 6 million dollar budget shortfall, due to declining enrollment.

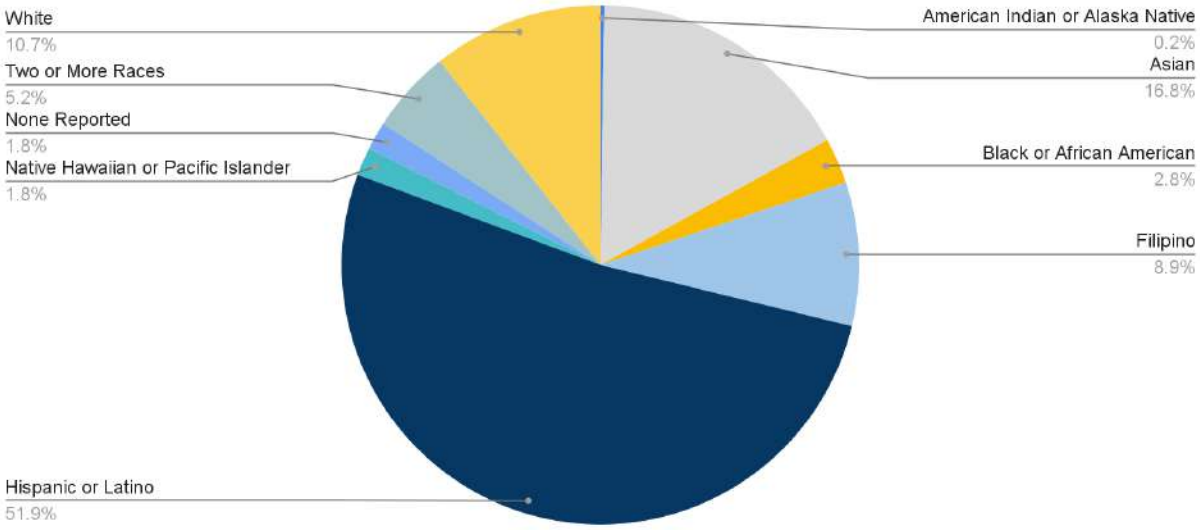
Figure 3-15: Newark School Enrollment, 2017-2022



Source: Data collected by the California Department of Education (CDE) through the California Longitudinal Pupil Achievement Data System (CALPADS)

The racial and ethnic makeup of the district is highly diverse, with Hispanic/Latinx students comprising the majority of the population at 51.9 percent, followed by Asian at 16.8 percent, White at 10 percent and Filipino at 8.9 percent . Figure 3-16 goes into detail of the full district breakdown.

Figure 3-16: Race and Ethnicity of Newark Unified School District, 2020-2021 School Year



Source: Data collected by the California Department of Education (CDE) through the California Longitudinal Pupil Achievement Data System (CALPADS).

Students in the Newark Unified school district have a comparable percentage of students qualifying for free or reduced lunch as Alameda County, at 40.5 percent and 40.7 percent respectively. Both are below the state average at 57.8 percent. Within the district there is a wide range of students that qualify for free and reduced lunch. The California Department of Education district level data for the 2021 to 2022 school year finds Shilling Elementary with the highest percentage of students that qualify for free or reduced lunch at 60 percent, followed by Musick Elementary at 57 percent, one of the schools that is slated to be closed for the 2022-2023 school year, with students distributed among other schools. Schools with the lowest levels of students qualifying for free or reduced lunch are John F Kenedy Elementary school at 23 percent, and Birch Grove Intermediate and Primary schools at 28 and 30 percent respectively.

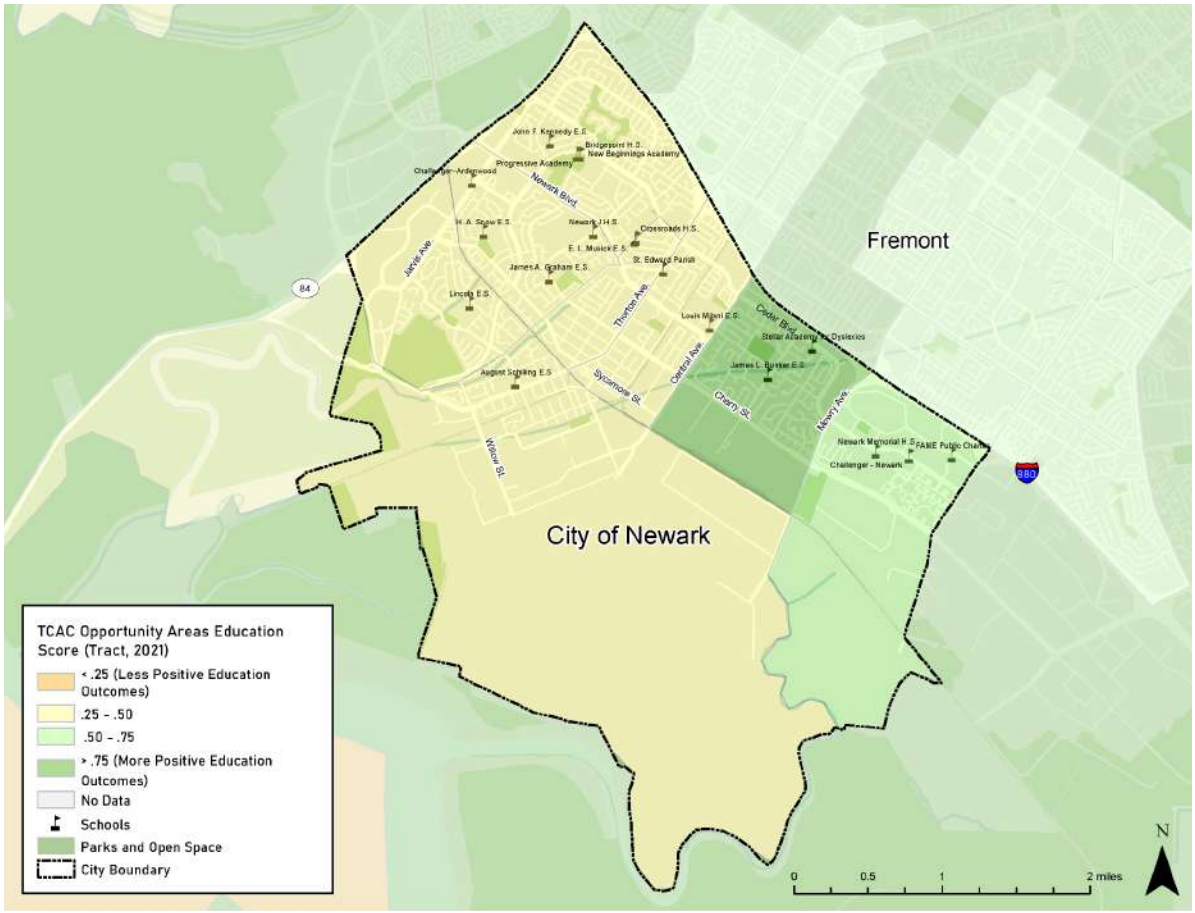
Table 3-8: Selected District Level Data - 0161234—Newark Unified for the year 2021-2022

School	Free or Reduced Price Meals
Non-public non-sectarian schools	3 (42.9%)
August Schilling Elementary	227 (59.9%)
Birch Grove Intermediate	118 (28.0%)
Birch Grove Primary	108 (30.0%)
Bridgepoint High (Continuation)	29 (46.8%)
Coyote Hills Elementary	260 (50.0%)
Crossroads High (Alternative)	70 (43.2%)
E. L. Musick Elementary	101 (57.4%)
John F. Kennedy Elementary	92 (23.0%)
Lincoln Elementary	174 (46.8%)
Newark Junior High	280 (41.2%)
Newark Memorial High	632 (38.7%)
District Total:	***2,094 (40.5%)***
County Total:	***87,363 (40.7%)***
State Totals:	***3,404,572 (57.8%)***

Source: California Department of Education, 2022

The city asked residents through the housing survey what would need to change to feel that their neighborhood is high in opportunity, and residents identified education as one of the top three things. Educational opportunity is measured by Math and Reading Proficiency, High School Graduation Rate, Student Poverty, High Segregation and Poverty. Overall according to the HCD AFFH Data viewer, the majority of Newark has lower than average education opportunities. The one area of Newark that has more positive educational outcomes is near Birch Grove Primary school. The elementary schools have similar performance levels on state indicators, which indicates the role of student poverty in the classification. We recognize that although measures of achievement such as test scores and levels of poverty are indicators, it is difficult to fully measure what a school means for a community. When Graham Elementary was threatened with closure, the primarily Latinx school community rallied together to share what the school community means to them to the school board in hopes of evading closure. Ultimately the school was combined with Snow elementary to form a new school, Coyote Hills Elementary.

Figure 3-17: Educational Opportunity Index, 2021



Source: HCD AFFH Data Resources and Mapping Tool.

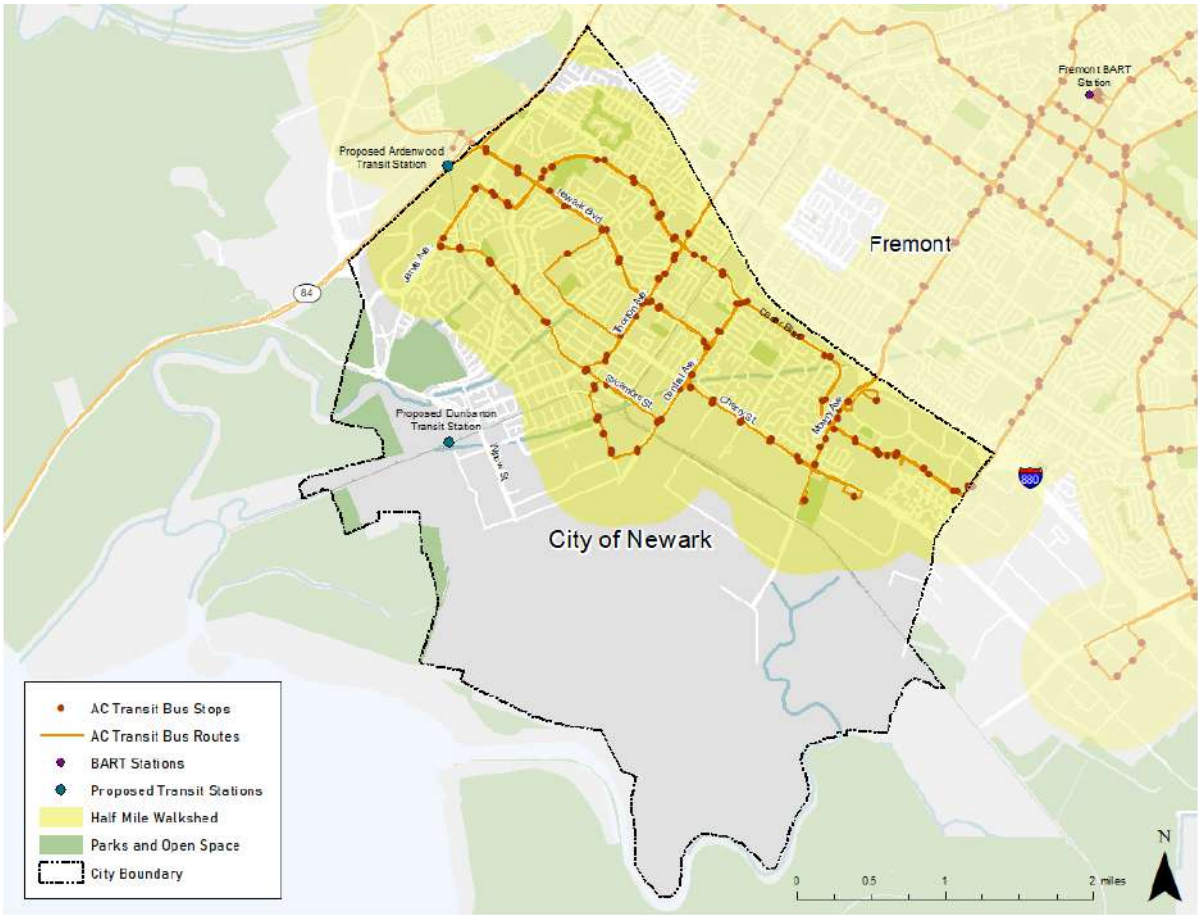
Transportation Access and Cost

To better understand housing affordability, it is important to look at transportation costs associated with a location. Figure 3-19 shows the combined housing and transportation costs in Newark. Due to Newark being low density and auto oriented, with a lack of high frequency public transportation options, the majority of households spend more than 45% of their income on housing and transportation. Only 4 percent of households have combined costs less than 30% of income. Newark has no neighborhoods identified as location efficient, with housing that is close to jobs and services, with a number of transportation options. Due to this fact, 49 percent of residents spend 45 to 54 percent of their income on housing, with 23 percent spending 54 to 66 percent.

Currently, Newark is served by Alameda County Transit (AC Transit) bus service. Public transportation is accessible on major arterials such as Newark Blvd, Ceder, and Thorton. Unlike neighboring Union City and Fremont, there is no BART station in Newark, although a number of bus routes do connect with the Fremont BART station. Public transit options are more accessible in the northern portion of the city, with the addition of three school bus lines from AC Transit during the school year to Newark Memorial High School. Residents in our community meeting expressed the desire for more options beyond the personal automobile such as increased bus service and infrastructure for biking to reduce traffic congestion and be responsive to climate change. Newark's Pedestrian and Bicycle Master plan outlines a number of improvements, such as protected bike lanes, pedestrian overpass for train tracks and an increase in the number of bike lanes.

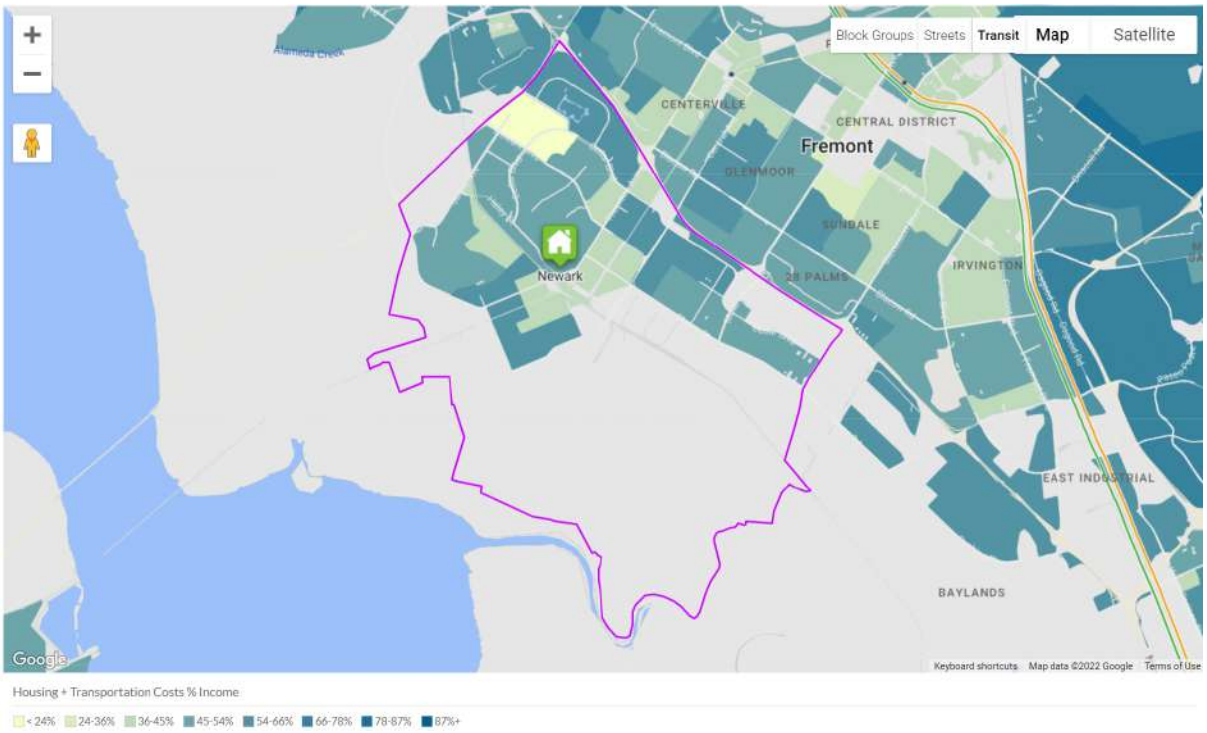
"Housing close to walkable parks and transit. Also need more transit options." – Community comment

Figure 3-18: Alameda County Transit Bus Stops and Proposed Transit Stations, 2022



Source: AC Transit, adapted by Community Planning Collaborative, 2022

Figure 3-19: Housing and Transportation Costs as a Percentage of Income



Source: The Center for Neighborhood Technology's Housing and Transportation (H+T®) Affordability Index,

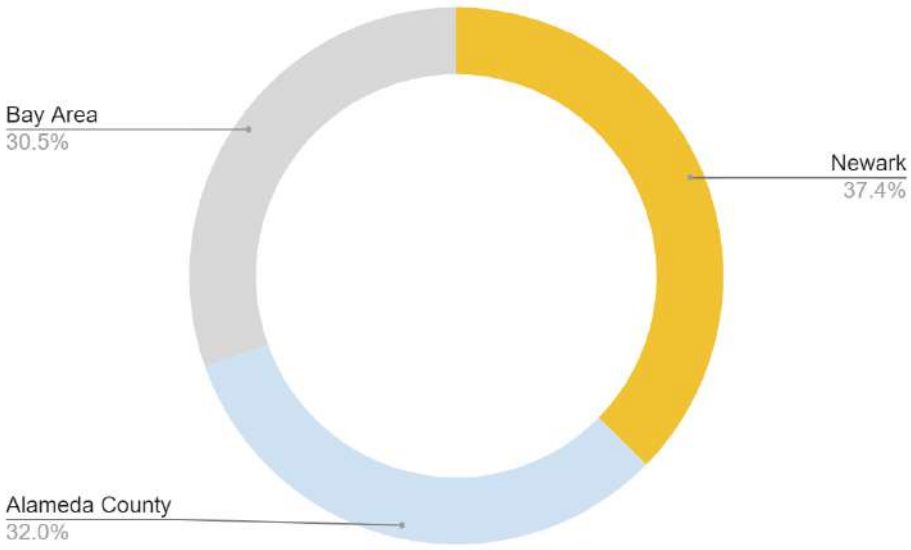
G. Disproportionate Housing Needs for Low-income Households and Protected Classes

Familial Status

The Fair Housing Act (FHA) bans discrimination based on certain protected classes, including "familial status," which refers to the presence of at least one child under 18 years old. Under the FHA, familial status discrimination occurs when a landlord, property manager, real estate agent, or property owner treats someone differently because they have a family with one or more individuals who are under 18 years of age. A "family" also includes people who are pregnant and people who are in the process of securing legal custody of a person under 18 years of age, including a family that is in the process of adopting a child, or foster parents. All families with children are protected by the FHA against familial status discrimination, including single-parent households and same-sex couples with children. Rules that unreasonably restrict children or limit the ability of children to use their housing or the common facilities at the property may violate the FHA. Moreover, enforcing certain rules only against families with children may also violate the FHA. The following are the types of conduct that may violate the FHA:

- Refusing to rent, sell, or negotiate with a family because the family has one or more children under 18 years of age.
- Advertising a preference for households without children or otherwise discouraging such families.
- Telling an individual or family no unit is available even though a unit is in fact available.
- Forcing families into housing units that are larger than necessary.
- Designating certain floors or buildings for families with children, or encouraging families with children to reside in particular areas.
- Charging additional rent, security deposit, or fees because a household has children under 18 years of age.

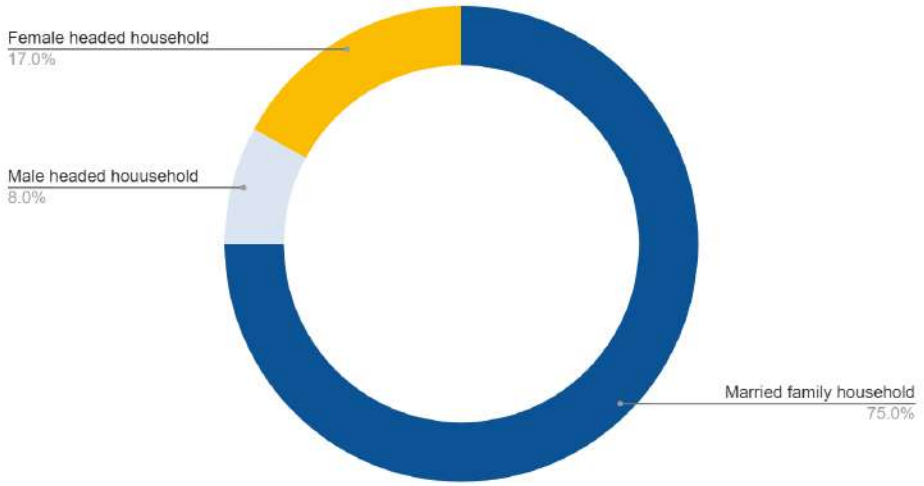
Figure 3-20: Percentage of Households With Children Under 18 Years of Age, 2015- 2019



Source: U.S. Census Bureau, 2015-2019 American Community Survey 5-Year Estimates. Table B11005

Newark has many family households with an average family size of 3.61 people (ACS 2016-2020). The city has 37 percent of households with a child under 18 years of age. This rate is higher than both Alameda County (32%) and the Bay Area (30.5%). Although discrimination based upon family status has not been reported in Newark, it has been reported at the county level. Households with children face additional challenges accessing housing that meets their needs for both size and cost. Survey results found that when asked what are the most urgent housing needs at this time, 50 percent responded that housing for families was the greatest need.

Figure 3-21: Family Structures in Newark, 2015- 2019



Source: U.S. Census Bureau, 2016-2020 American Community Survey 5-Year Estimates. Table S1101

"I would love to see more housing programs accessible for families currently in Newark"
– Community Member

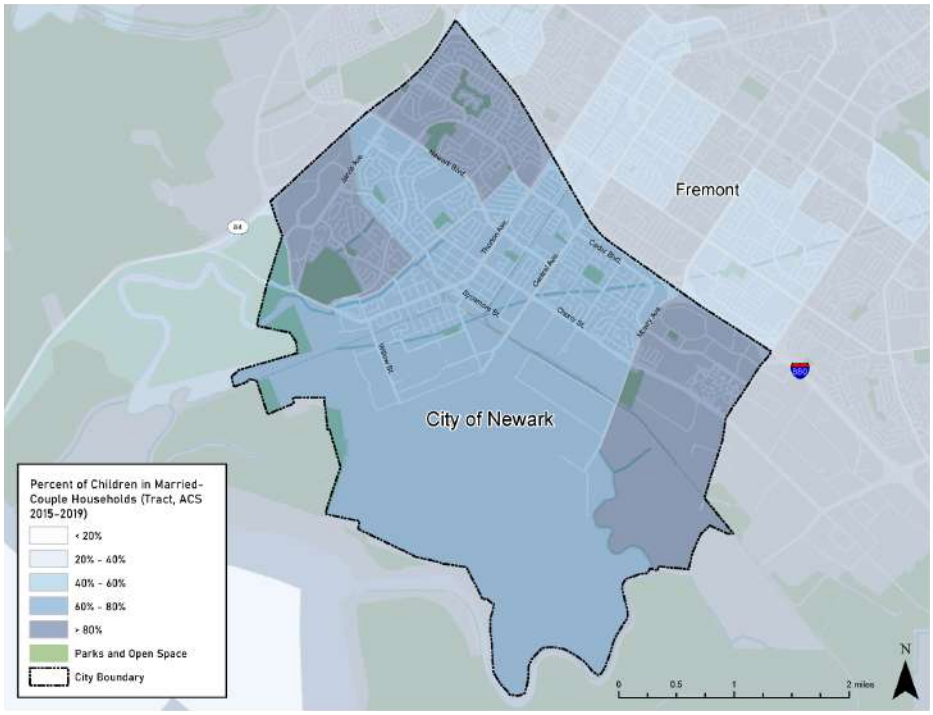
Households headed by one person are often at greater risk of housing insecurity, particularly female headed households, who may be supporting children or a family with only one income. In Newark, the largest proportion of households are Married-Couple Family Households at 75% of total, while Female Headed Households make up 17 percent of all family households and male headed comprise 8 percent. Throughout engagement with the community, the city has heard from residents that housing for families, and single parents in particular is a high need.

"I'm an inside wireman electrician for 26 years. I cannot afford to buy a home in this town as a single father of 2. $2million per home is ridiculously high. I am a critical worker, not just essential, and cannot afford to stay with these house prices."

Female-headed households with children may face particular housing challenges, with pervasive gender inequality resulting in lower wages for women. Moreover, the added need for childcare can make finding a home that is affordable even more challenging.

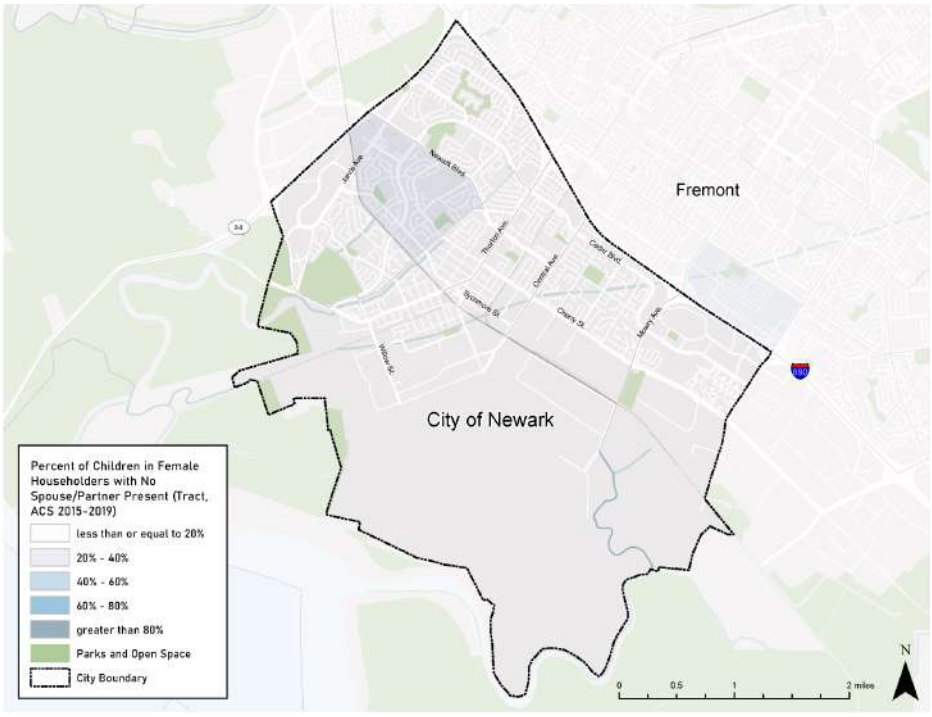
Figure 3-24 shows In Newark, 22.8% of female-headed households with children fall below the Federal Poverty Line, while 5.7% of female-headed households without children live in poverty (Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B17012).

Figure 3-22: Percent of Married Couples with Children, 2015- 2019



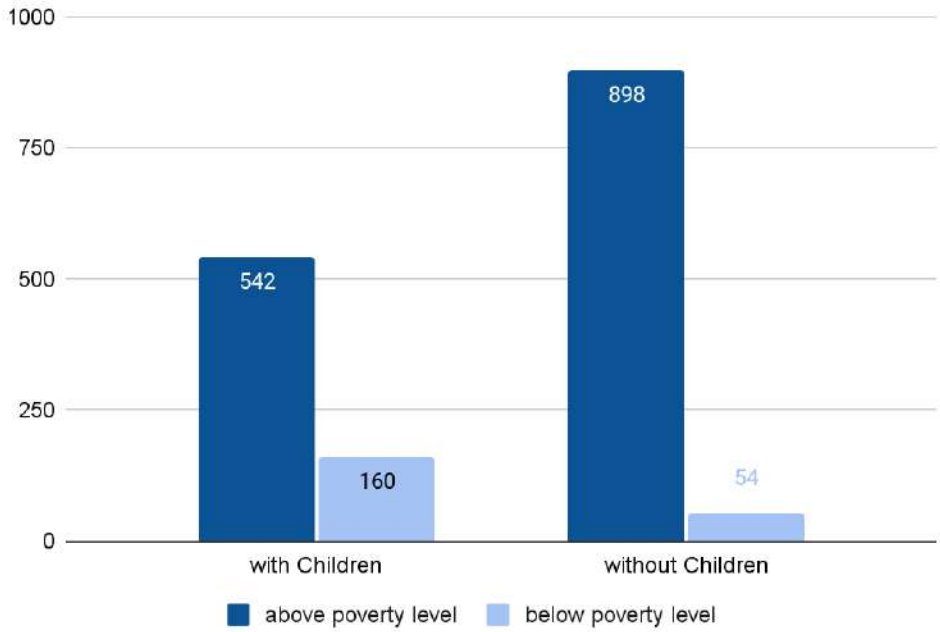
Source: HCD AFFH Data Resources and Mapping Tool.

Figure 3-23: Percent of Children in a Female Headed Household, 2015- 2019



Source: HCD AFFH Data Resources and Mapping Tool.

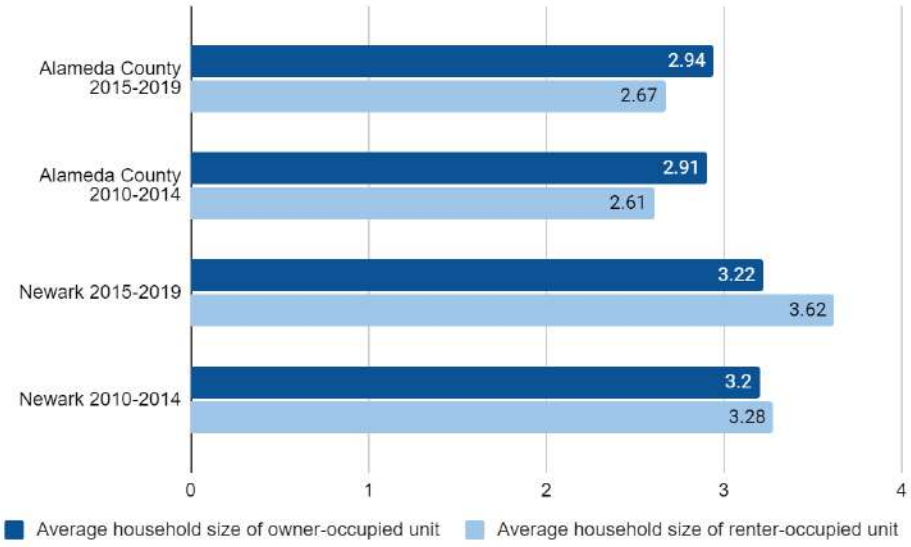
Figure 3-24: Poverty Levels of Female Headed Households in Newark, 2015- 2019



Source: U.S. Census Bureau, 2015-2019 American Community Survey 5-Year Estimates. Table B17012

Household Size

Figure 3-25: Comparison of Household Size for Owners and Renters in Alameda County and Newark, 2015- 2019



Source: U.S. Census Bureau, 2015-2019 American Community Survey 5-Year Estimates. Table CP04, Comparative

Housing Characteristics

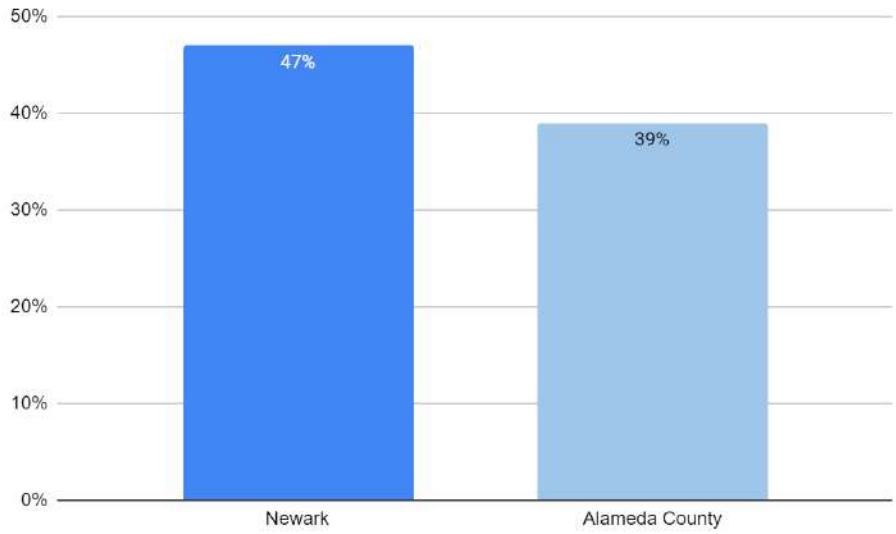
Seniors

The senior population in Newark has increased significantly since 2010, with a 47 percent increase, compared with a 39 percent increase from Alameda county. This could partially be attributed to the construction of Newark Station, a 75 unit building completed in 2019. Figure 3-27, shows seniors in Newark are overwhelmingly home owners at all income levels, with seniors at the lowest income level having the highest percentage of renters at 37 percent. Housing needs change as we move through life, and due to seniors living on fixed incomes in smaller households, Newark needs housing types and programs to support seniors to age in place and remain in their community.

"Developing a shared housing program with others that need a room to rent, connect seniors with single people who need affordable housing. Helps seniors on limited incomes"

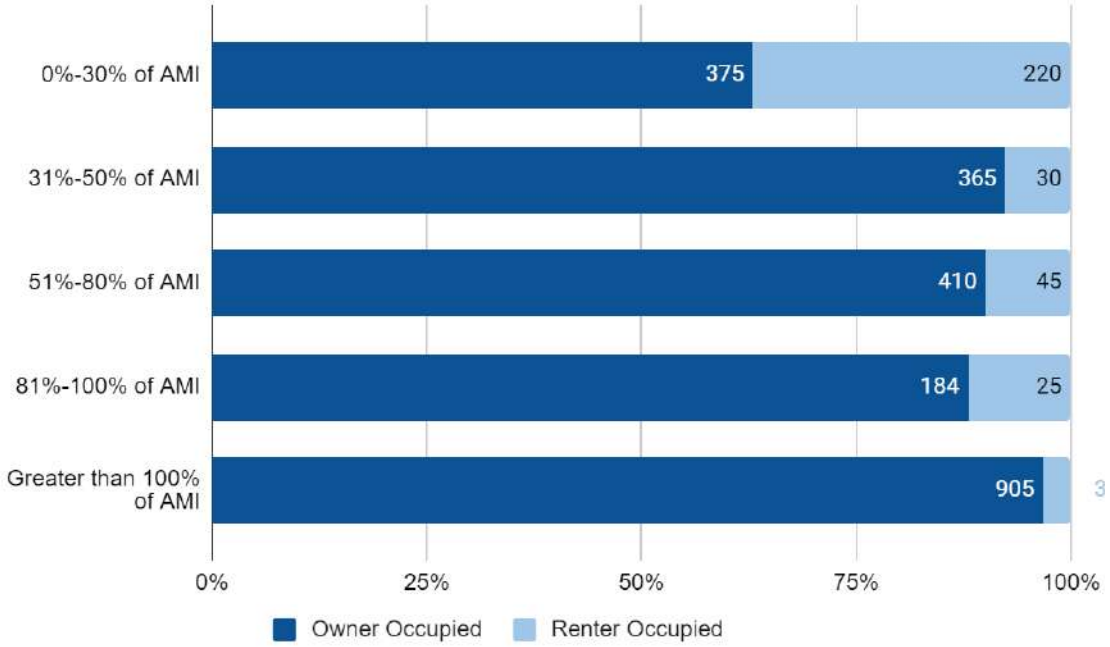
– Community meeting comment

Figure 3-26: Increase of Senior Population, 2010 to 2019



Source: American Community Survey 2015- 2019, 5-Year Estimate

Figure 3-27: Seniors Income Level, Owners and Renters, 2015 -2019



Source: American Community Survey 2015- 2019, 5-Year Estimate

Disability Status

The U.S. Census Bureau defines disability as one of the following: hearing difficulty, vision difficulty, cognitive difficulty, ambulatory difficulty, self-care difficulty, and independent living difficulty. In Newark 3,561 residents over the age of 5 had a disability in 2018. This group equates to approximately 8 percent of the non-institutionalized population over age five in the City, which is slightly lower than the county (10 percent) and lower than the Bay Area (11 percent). Figure 3-28 shows the population of persons with a disability by age in the City. At the local level, seniors in Newark have the highest rates of disability of all age groups at 52 percent. Ambulatory difficulty and independent living were the highest for seniors at 23 and 22 percent, followed by hearing difficulty (13%). African Americans have significantly higher rates of disability compared to other racial and ethnic groups in the city at 22 percent, followed by White residents at 13 percent. Those living with a disability often have specialized housing needs due to living on a fixed or limited incomes, physical or intellectual disabilities or increased health care costs. This points toward a need for housing that incorporates universal design, is integrated within the community, in close proximity to public transportation, and supports seniors to age in place.

In conversation with Darin Lounds, executive director of the Housing Development Consortium of the East Bay, he shared a number of ways that the city of Newark can support inclusive housing options for people with developmental disabilities:

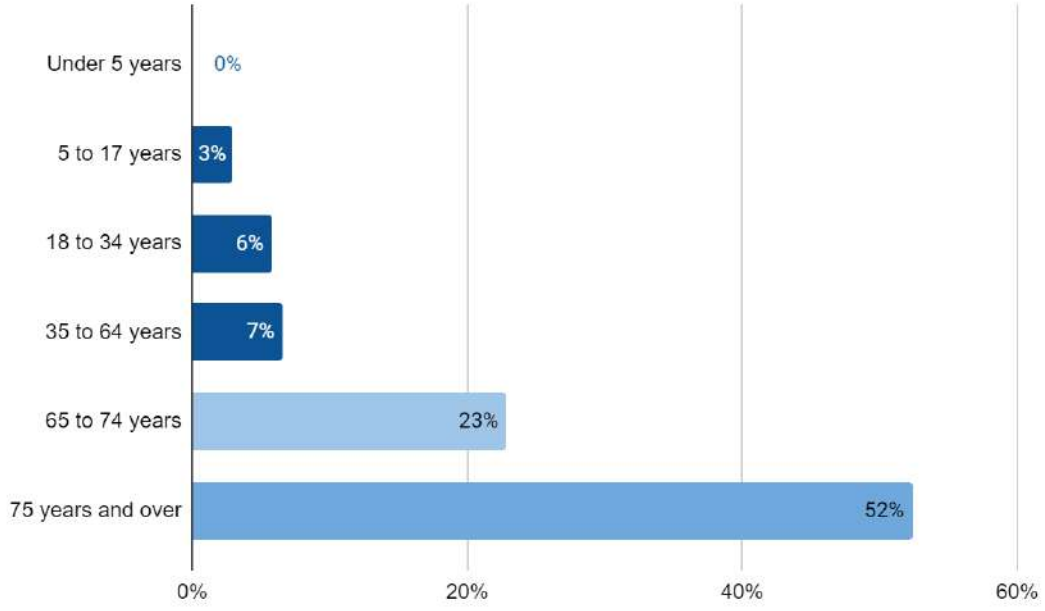
- Work with tax credit developers in larger multi families, to have a percentage devoted to people with disabilities. It is key for jurisdictions to work with developers when they are proposing new developments.
- Transit lines are most important. Only 10% of the demographic own a vehicle. Parking needs are more of a commercial need to provide services, less of a residential need.
- Discrimination: when property owners hear the income is SSI or disability, or someone with visible disability, they form assumptions about their ability to maintain a home. The regional center helps people to live in the community, they have a circle of support.
- Maximum integration is key, not just a big building with one demographic

Table 3-9: Residents With A Disability, Newark and Region, 2015- 2019

Geography	No disability	With a disability	Percentage
Newark	43,583	3,561	8%
Alameda County	1,496,381	151,368	10%
Bay Area	6,919,762	735,533	11%

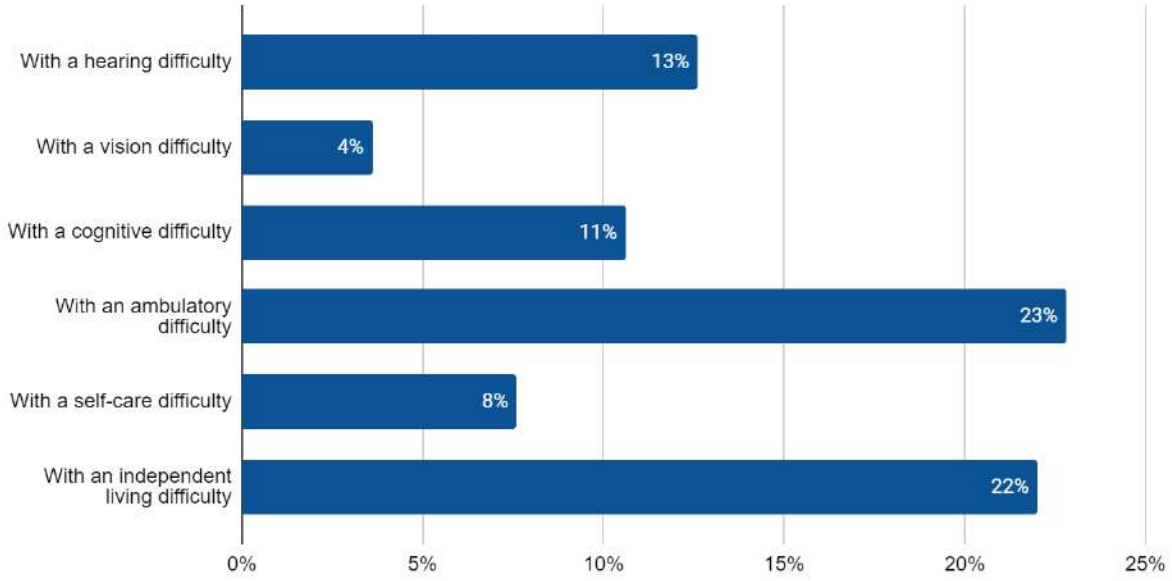
Source: U.S. Census Bureau, American Community Survey 5-Year estimate 2015-2019. Table B18101

Figure 3-28: Disability Status By Age, 2016- 2020



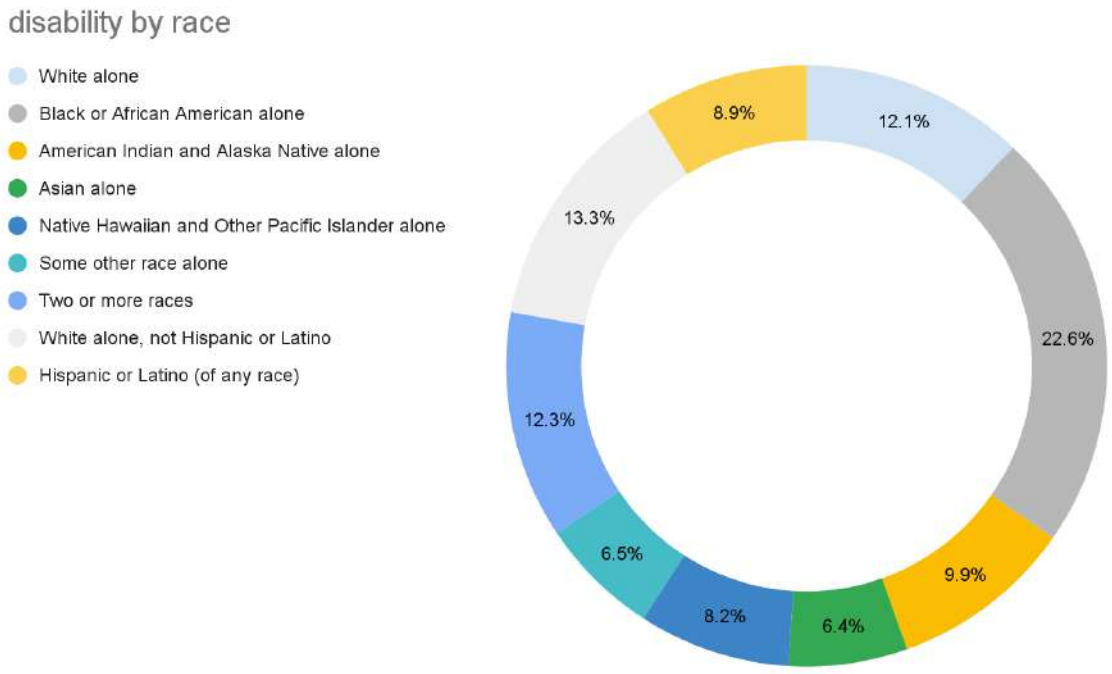
Source: U.S. Census Bureau, 2016-2020 American Community Survey 5-Year Estimates. Table S1810

Figure 3-29: Newark Senior Population with Disability, 65 years and Older, 2016- 2020



Source: U.S. Census Bureau, 2016-2020 American Community Survey 5-Year Estimates. Disability Characteristics, Table S1810

Figure 3-30: Disability Status by Race, 2016- 2020



Source: U.S. Census Bureau, 2016-2020 American Community Survey 5-Year Estimates. Disability Characteristics, Table S1810

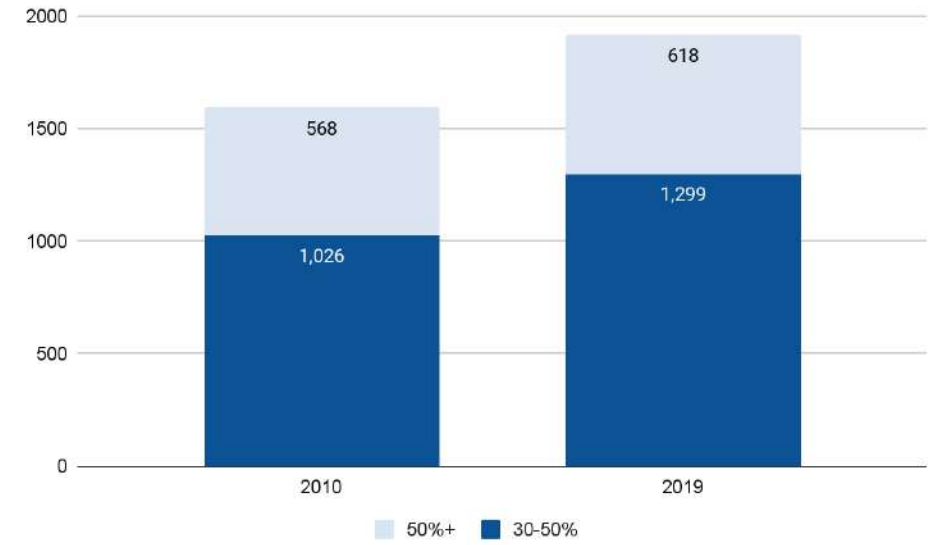
Cost Burden and Overpayment

From 2010-2019, Newark has experienced large increases in both rental and homeownership costs. Two-bedroom rents increased by 45 percent, while two-bedroom home prices have increased by 122 percent (Costar, 2010 and 2019 American Community Survey, 5-Year Estimates, Redfin). The growth in housing costs has outpaced the growth in income leading to large numbers of households cost burdened and experiencing homelessness.

The Department of Housing and Urban Development considers housing to be affordable for a household if the household spends less than 30% of its income on housing costs. A household is considered "cost-burdened" if it spends more than 30% of its monthly income on housing costs, while those who spend more than 50% of their income on housing costs are considered "severely cost-burdened." In Newark, 44 percent of households spend 30%-50% of their income on housing, while 14 percent of households are severely cost burdened and use the majority of their income for housing. Over time, households have become increasingly cost burdened, with a 20 percent increase from 2010 to 2019. Figure 3-31 shows how households in Newark are cost burdened by income. While residents are cost burdened and severely cost burdened at all income levels, residents making below 50 percent area median income experience the highest levels. Fifty-seven percent of residents earning up to 30 percent of the area median income are severely cost burdened, with 22 percent spending 30 to 50 percent of their income on housing. Homeowners Median income households are still finding themselves costburden with 60 percent of households making 50 to 80 percent of median income are cost burdened.

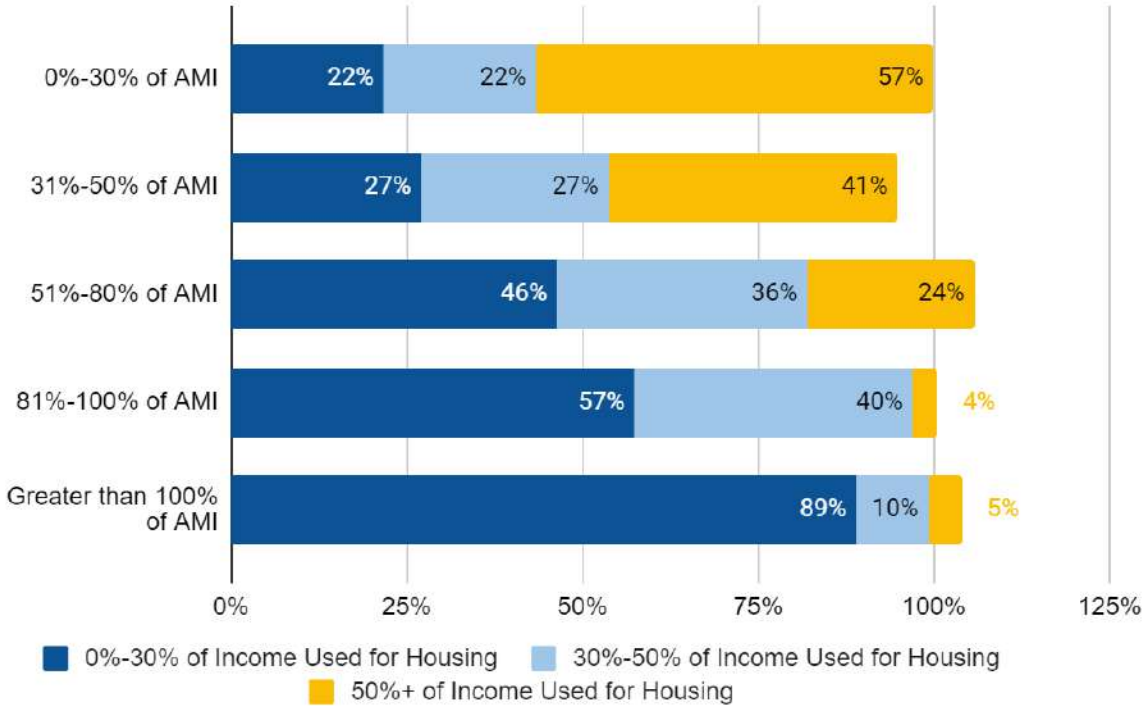
Figure 3-33 shows that renters are more likely to be cost burdened, with twice the number of renters (30%) spending more than 30 percent of their income on housing compared to 16 percent of homeowners, and 14 percent of renters are severely cost burdened. This places renters at a greater risk of living in overcrowded housing, displacement and homelessness.

Figure 3-31: Cost Burden Renter Households in Newark Over Time, 2015- 2019



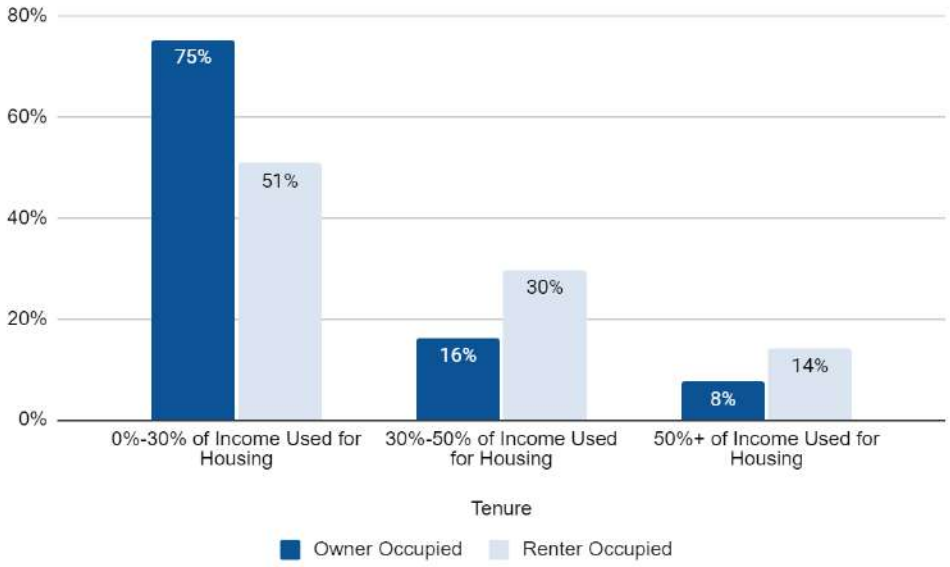
Source: American Community Survey 2015-2019, 5-Year Estimate

Figure 3-32: Cost Burdened by Income, 2013- 2017



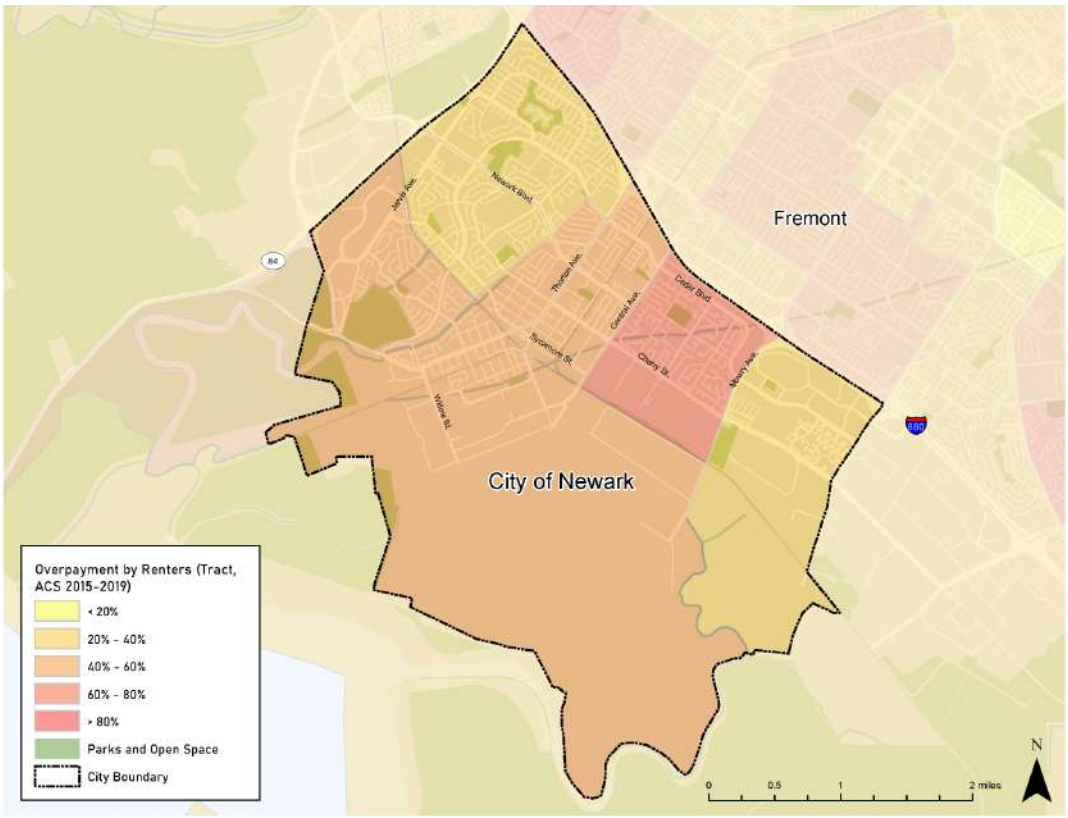
Source: US Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy. ACS tabulation, 2013-2017 release

Figure 3-33: Cost Burdened Households, Renters and Homeowners, 2015- 2019



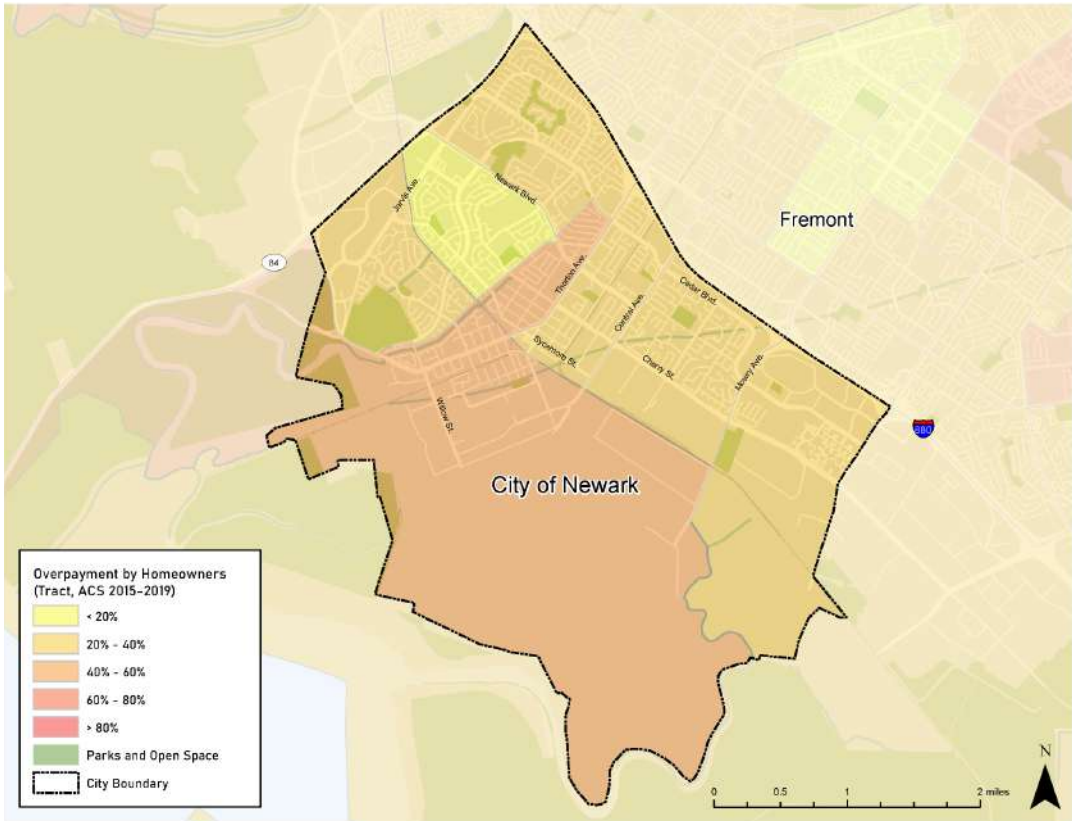
US Census Bureau, American Community Survey, 5 year data, 2015-2019, Table B25070, B25091

Figure 3-34: Overpayment by Renters, 2015- 2019



Source: HCD AFFH Data Resources and Mapping Tool.

Figure 3-35: Overpayment by Homeowners, 2015- 2019

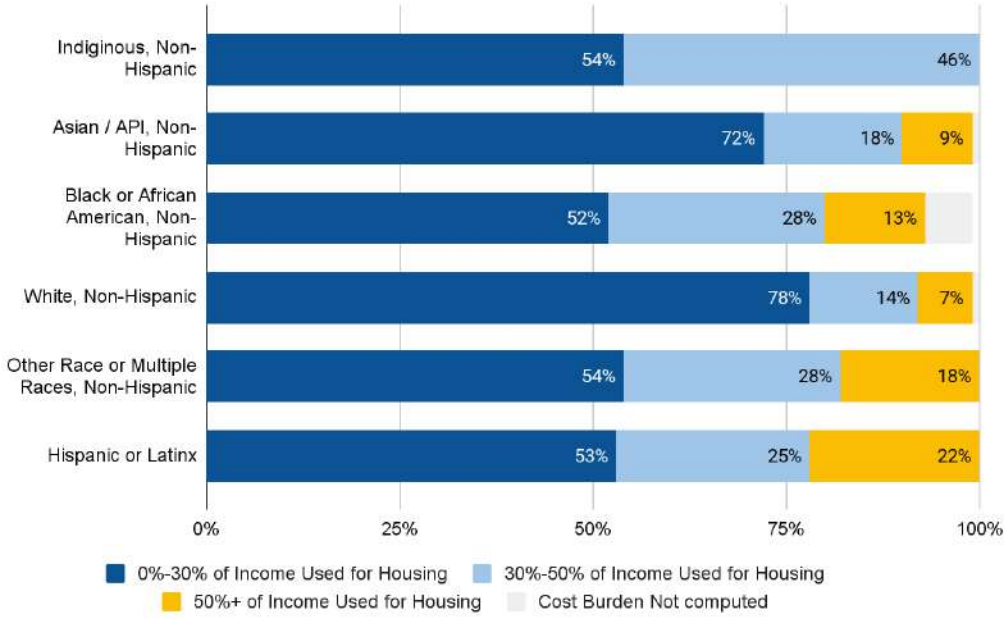


Source: HCD AFFH Data Resources and Mapping Tool.

Cost Burdened Households by Race

Residents who are cost burdened in Newark are disproportionately experienced by some ethnic groups more than others. Figure 3-36 exhibits the changing demographics of being cost burdened in Newark. Black (41%), Indigenous (46%), Multi Racial (46%), and Latinx (47%) residents are the highest cost burdened, and most vulnerable to displacement, overcrowding and homelessness. Asian and White residents are the least cost burdened at 27 percent and 21 percent respectively.

Figure 3-36: Cost Burdened Residents by Race, 2013-2017



Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release Note: Hispanic category is not exclusive of other categories.

Overcrowding

An overcrowded household is defined as having more than one person per room, with severe overcrowding with more than 1.5 people sharing a room. Often immigrant communities, low income families and renter-occupied households are more likely to experience household overcrowding. Referred to as "doubling up"—living with family members or friends for economic reasons—is the most commonly reported living situation for families and individuals before experiencing homelessness.[10] Renters in Newark are more likely to live in overcrowded conditions than homeowners. Figure 3-37 shows renters experience overcrowding at 3 times the rate as homeowners at 18 percent, and severe overcrowding at 9 percent.

Central Newark in the Old Town area has 9 percent of households experiencing overcrowded housing, with 5 percent of households experiencing extreme overcrowding in the Northwest corner of the city. As shown in Figure 3-39, these two areas are predominantly occupied by communities of color, with 80 to 100 percent of residents in the Old Town area. Mixed race residents face the highest rates at 33 percent, followed by Hispanic/ Latinx (30%) and Indigenous residents at 22 percent. The Old Town Neighborhood specific plan has zoning changes that

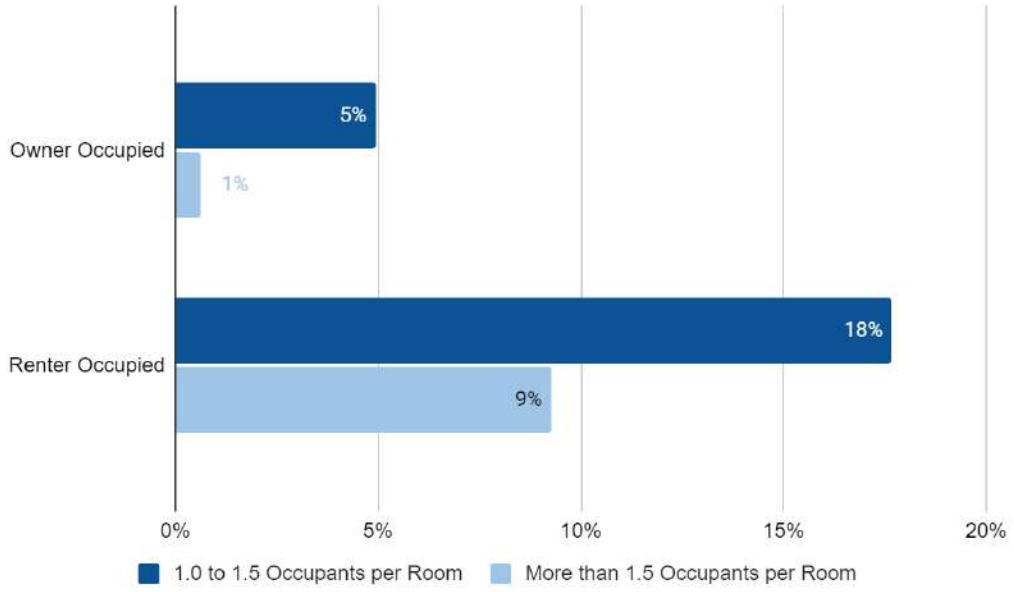
[10] Healthy Communities Data and Indicators Project, California Department of Public Health, Percent of Household Overcrowding, 2017

remove constraints to the production of affordable housing. The upcoming development in the Old Town neighborhood by Satellite Affordable Housing, will provide 56 units of affordable housing, a quarter are 3 bedrooms specifically for large families.

"Families that are doubled up, tripled up can really use some programs that help them find more suitable accommodations in the community they want to stay in"

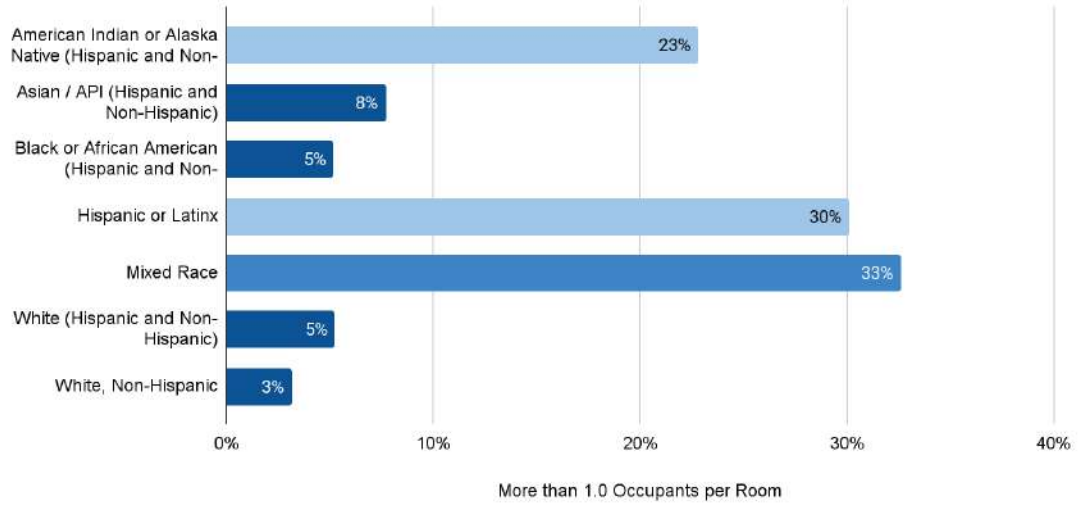
— Community meeting breakout session comment

Figure 3-37: Percent of Owner and Renter Households Living in Crowded Conditions, 2013- 2017



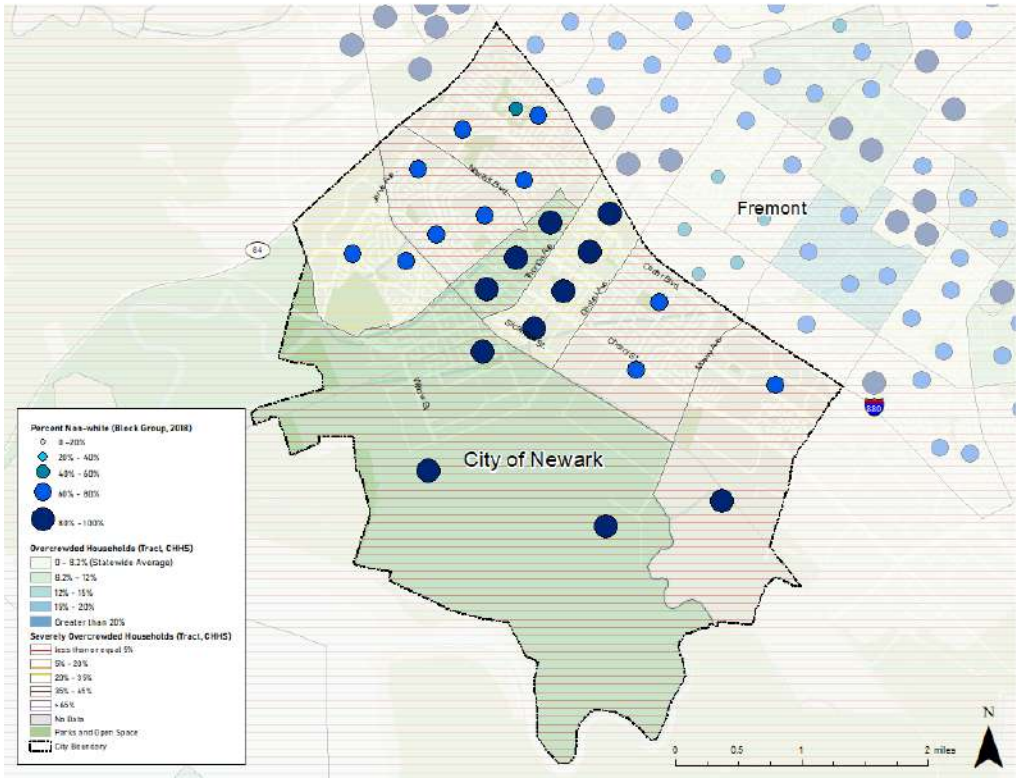
U.S. Department of Housing and Urban Development (HUD) Comprehensive Housing Affordability Strategy (CHAS), ACS Tabulation 2013-2017

Figure 3-38: Overcrowding by Race and Ethnicity, 2015- 2019



Source: US Census Bureau, American Community Survey, 5 year data, 2015-2019, Table B25014

Figure 3-39: Overcrowding and Severe Overcrowding in Newark and Non-White Population, 2015- 2019 and 2018



Source: HCD AFFH Data Resources and Mapping Tool.

Housing Choice Vouchers and Subsidized Housing Developments

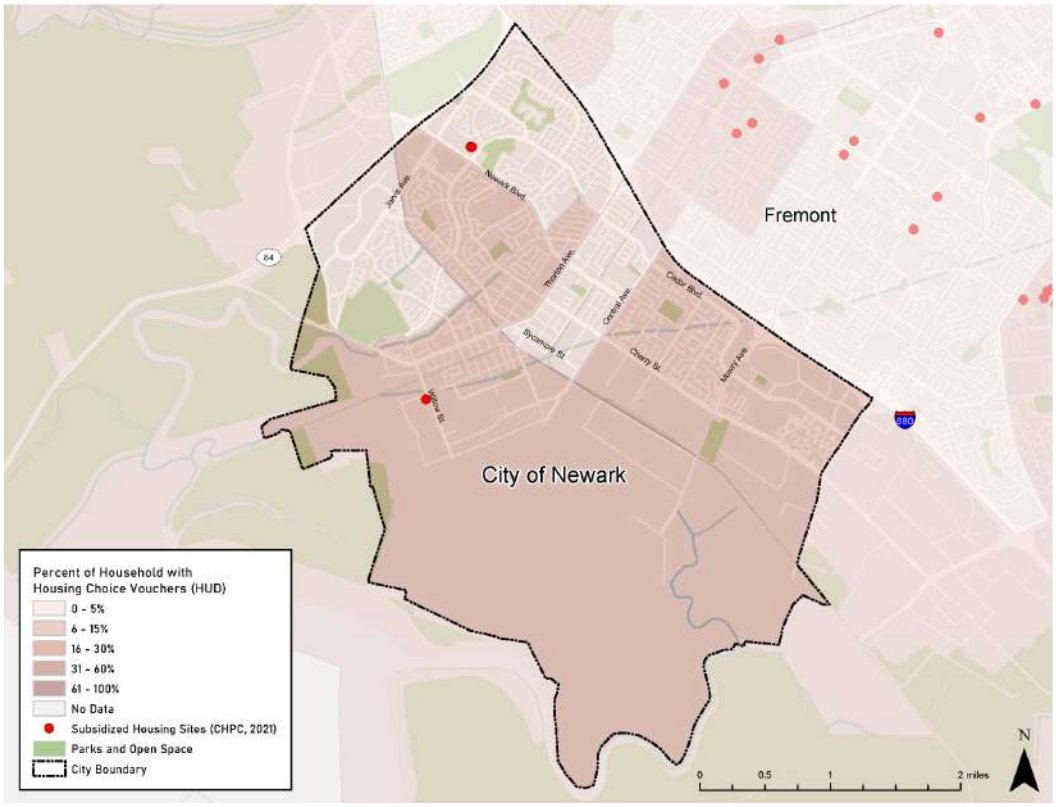
Newark has seen minimal development of subsidized housing, with three subsidized senior housing developments in the city, and a fourth subsidized senior housing development under construction with 79 units. The use of housing choice vouchers is low in Newark, with the majority of the city seeing a 5 to 15 percent use, and the remainder with 5 percent or less. Table 3-10 details the current subsidized housing in Newark. The city has 274 low income units at a low risk of conversion, with no units at the moderate, high and very high income brackets. The majority of subsidized housing in Newark is found in moderate resource areas, with one development in a low resource designated area

Table 3-10: Housing Units at Risk of Conversion, 2022

Name	Address	Affordable Units	Total Units	Active Program(s)	Risk Level	2021 TCAC/HCD Opportunity Map Designation
Newark Station Seniors	37433 Willow Street, Newark	74	75	LIHTC	Low	Low resource
Rosemont aka Newark Gardens I	35300 Cedar Blvd, Newark	150	150	HUD	Low	Moderate resource
Newark Gardens II	35322 Cedar Blvd, Newark	50	50	HUD	Low	Moderate resource

Source: California Housing Partnership, 2022

Figure 3-40: Subsidized Housing and Housing Choice Vouchers, 2021

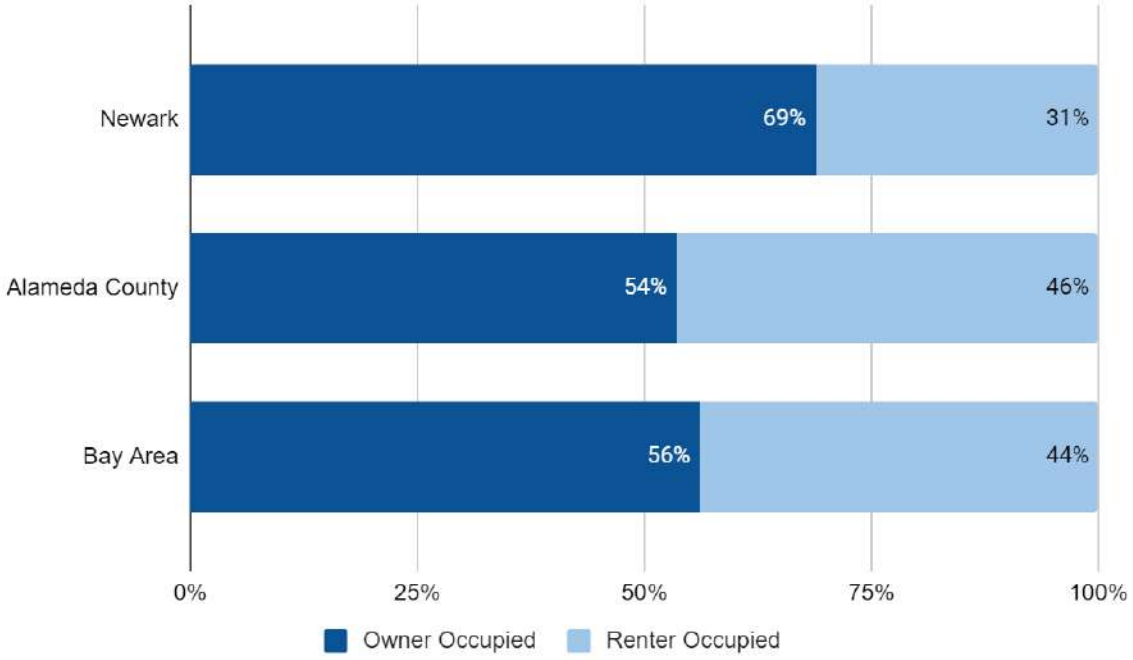


Source: HCD AFFH Data Resources and Mapping Tool.

Rates of Homeownership

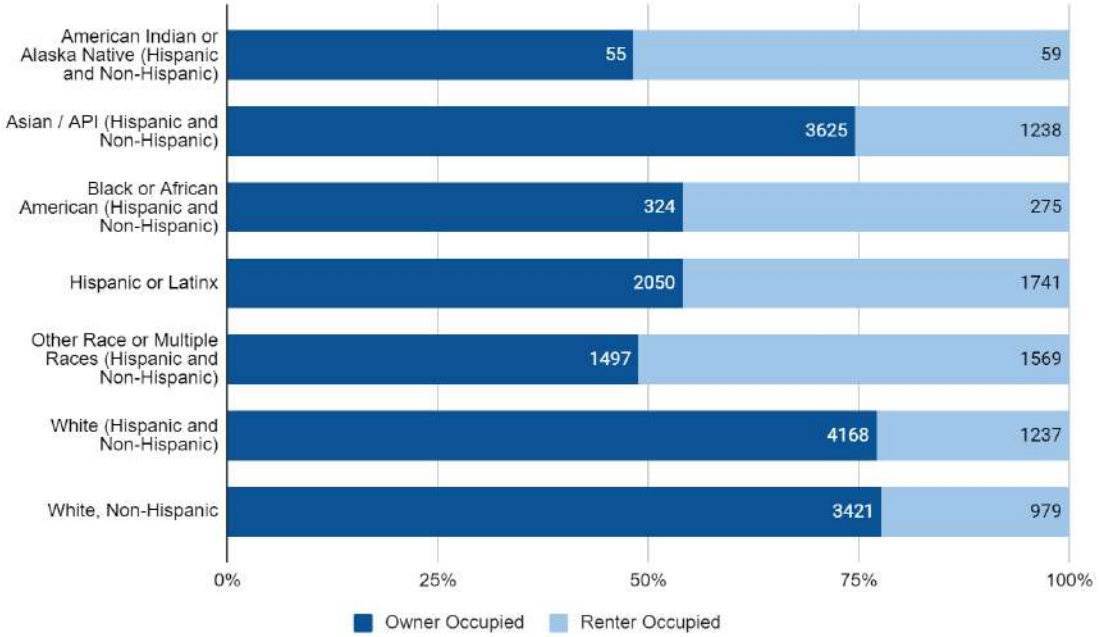
Homeownership in the United States has functioned as the key to generational wealth. Due to historic discrimination from the federal government, the real estate industry, BIPOC communities have lower homeownership rates in comparison to White residents. Addressing disparities between races in rates of homeownership is one way to address historic discrimination and access to wealth, furthering fair housing work. Newark has higher rates of homeownership at 69 percent, than Alameda County (54%) and the Bay Area (56%). Figure 3-42 shows homeowners in Newark are predominantly identified as White and Asian, with the lowest rates of homeownership being found with Indigenous, Black and Hispanic or Latinx residents. This corresponds with rates of acceptance for mortgages. Figure 3-43 shows that White and Asian residents have the highest rate of loan approval with Indigenous and Hispanic/ Latinx residents having the highest rates of application denied.

Figure 3-41: Housing Tenure in Newark, 2015- 2019



Source: U.S. Census Bureau, American Community Survey 5 year data, 2015-2019, Table B25003

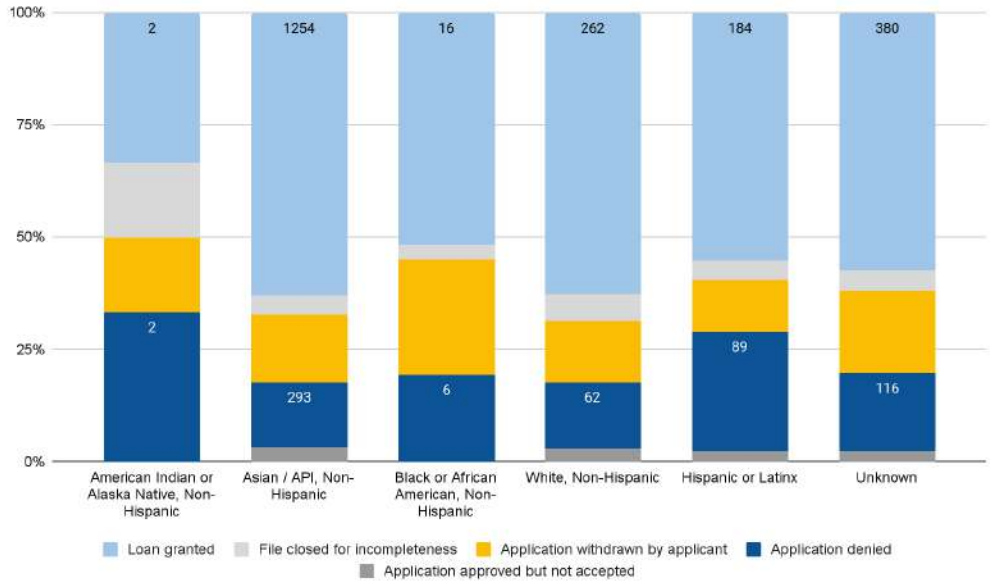
Figure 3-42: Rates of Homeownership by Race, 2015- 2019



Source: U.S. Census Bureau, American Community Survey 5 year data, 2015-2019, Table B25003

Mortgage Loan Access/Rates of Denial Loan Access/Rates of Denial

Figure 3-43: Mortgage Applications and Acceptance by Race, 2018-2019



Source: Federal Financial Institutions Examination Councils (FFIEC) Home Mortgage Disclosure Act Loan/ Application register Files

Substandard Housing

Concern over increased risk of displacement due to code enforcement violations has prompted a look at how substandard housing is addressed in communities. The majority of the community's housing stock is older than 40 years old, which can increase the need for repairs. Oftentimes it is low income renters and homeowners that will be living in substandard housing conditions. While rates of substandard housing, including housing without kitchen or bathroom facilities, is less than one percent, these units could be underreported. As described in section 2 of the housing needs assessment, the neighborhoods of Mirabeau and Old Town / Central Newark through code enforcement data show significant need of rehabilitation. Currently Newark is responsive to code enforcement reports of housing in need of repair, and is planning to develop a new system for addressing code violations that reduce the risk of housing being removed from the market. **Program H1.2** outlines how the city will develop a rental inspection program that will provide a structured process for property owners to address code violations. There will be a process of reinspection, and the creation of an online reporting process for tenants. **Program H1.1 Programs for housing repair and rehabilitation** works to expand upon the existing program, to incorporate targeted outreach to identified neighborhoods of need.

People Experiencing Homelessness

The City has provided continuous support for regional efforts to end homelessness, such as the Alameda County EveryOne Home Program, which prioritizes supportive housing. Newark adopted a resolution declaring a shelter crisis, and authorized the City's participation in the Homeless Emergency Aid Program (HEAP).

People experiencing homelessness have steadily increased at the county level since 2017, with 9,747 sheltered and unsheltered people at the most recent point in time count on February 22, 2022. The city of Newark has a documented reduction from 89 people experiencing homelessness in 2019, to 58 people in 2022. Data from a 2021 Newark Police Department report provides an overview of unsheltered persons in Newark including known encampments:

- Eucalyptus Grove (Highway 84, north of Jarvis Avenue)
- Highway 84 Eastbound off-ramp to Newark Boulevard
- Residence Inn hotel area (near the off-ramp)
- Sycamore Street at the Union Pacific railroad tracks
- Thornton Avenue at Interstate 880
- Home Depot and surrounding businesses parking lot

Housing and homeless support is the most prevalent service request for Newark callers to the countywide 2-1-1 referral service, representing about 42% of all service requests. Newark residents are seeking referrals for low cost rental listings, rent payment and deposit assistance, supportive and transitional housing, emergency shelter, among other services (Eden I&R Referral Service, January 2020 through March 2022). Currently Second Chance provides transitional housing for those experiencing homelessness in Newark. The facility has 32 beds, with the shelter at 81 % capacity on the point in time count. The city has engaged in a number of actions to address homelessness in Newark. There is a partnership with the Fremont Family Resource Center to provide support to Newark households at risk of becoming homeless, and has been awarded a HomeKey grant to convert the Towne Place Suites extended stay hotel into 124 supportive, affordable residential units known as Cedar Community Apartments. Most recently the city has created a Homelessness Committee with members from various City departments to develop a cohesive plan to address homelessness.

Through community engagement, the city has been alerted to the high number of residents experiencing homelessness that are finding shelter in local motels. The challenge with this is that these populations are uncounted, so while the city does not have a full sense of how many individuals and families are there, through communication with parent liaisons with the Newark Unified School district and from a community member experiencing homelessness that those residing in the hotels hold jobs outside of the home, but due to a variety of issues such as the cost of housing, requirements such as three times the income, and credit scores, these community members are kept from accessing stable housing.

Although the documented number of people experiencing homelessness in Newark is low, there are high rates of racial disparity compared to the population of Newark and Alameda County as a whole. As exhibited in Figure 3-46, although the African American population in Newark is 3 percent, they make up 27 percent of the population experiencing homelessness. The Latinx population of Newark is almost equal to that of those experiencing homelessness at 31 percent. White residents have the highest rate of residents experiencing homelessness at 58%, with their portion of the population in Newark at 29 percent.

Figure 3-44: Total Count of People Experiencing Homelessness For The Point In Time Count On February 22, 2022



Source: 2022 Point in Time Count. Everyone Count, February 22, 2022.

Figure 3-45: Unsheltered Individuals in Newark and Alameda County, 2022

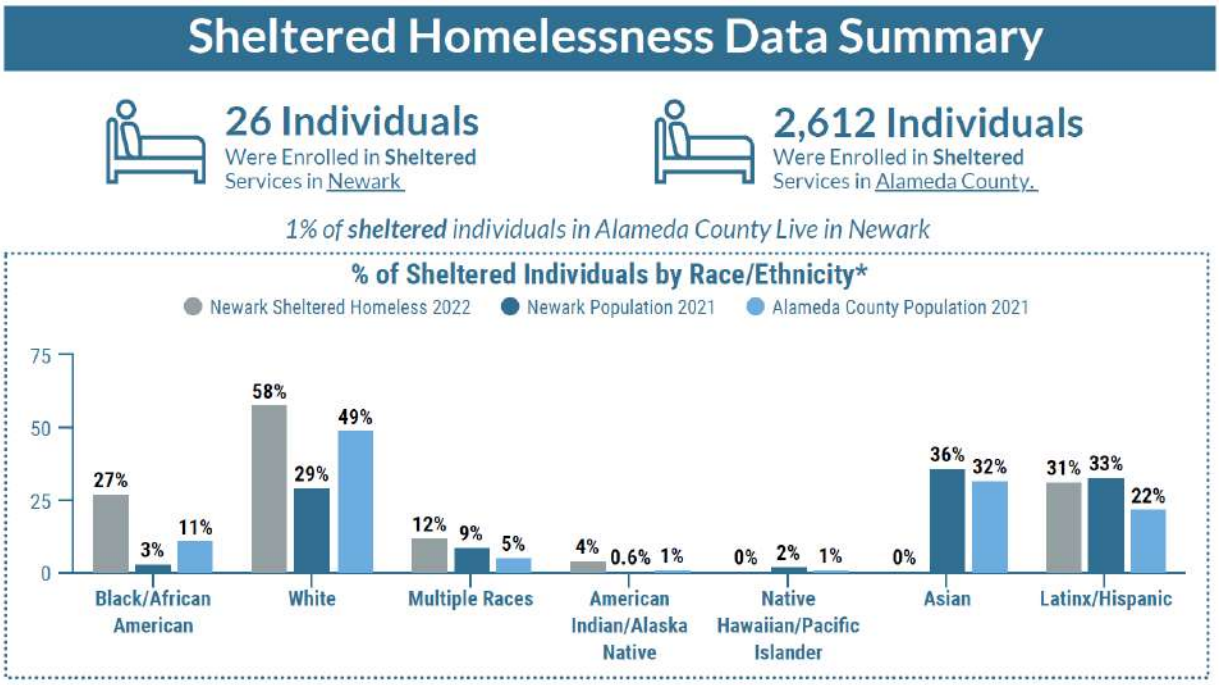


Unsheltered Population by Location

	Tent	Car/Van	RV	Street/ Outside	Abandoned Building
Newark 2022	11 (36%)	6 (19%)	7 (22%)	7 (22%)	0 (0%)
Alameda County 2022	*2216 (31%)*	*2318 (32%)*	*1600 (22%)*	*958 (13%)*	*43 (1%)*

Source: 2022 Point in Time Count. Everyone Count, February 22nd 2022.

Figure 3-46: Sheltered Individuals by Race, 2022



Source: 2022 Point in Time Count. Everyone Count, February 22nd 2022.

Access to affordable, stable housing is foundational for children and their families to be healthy - mentally and physically and support student success in school. Over the past few years the pandemic has amplified the disparities in housing, and with learning transferring online, many students did not have the resources to make that transition. Although schools have returned to in-person teaching, the number of families that are still struggling to access resources and affordable housing are high.

In Newark, the student population experiencing homelessness totaled 300 during the 2019-20 school year and increased by 9 percent since the 2016-17 school year. By comparison, Alameda County has seen a 18.7 percent decrease in the population of students experiencing homelessness since the 2016-17 school year, and the Bay Area population of students experiencing homelessness decreased by eight percent. During the 2019-2020 school year, there were still some 13,718 students experiencing homelessness throughout the region, adding undue burdens on learning and thriving, with the potential for longer term negative effects.

The number of students in Newark experiencing homelessness in 2019 represents **10.5 percent of the Alameda County total and two percent of the Bay Area total.**

In the most recent school year (2021-22), NUSD had 251 students that were homeless (about 5% of all students), which further indicates the lack of affordable housing. Notably, about 96 percent of homeless students in Newark are students of color, with over 167 of these students being Hispanic or Latino. While NUSD has only a small number of Pacific Islander students (98 students),

about 10.8 percent of them are homeless (Source: California Department of Education (ED-Data).

Table 3-11: Students in Local Public Schools Experiencing Homelessness, 2016 to 2020

Academic Year	Newark	Alameda County	Bay Area
2016-17	275	3,531	14,990
2017-18	236	3,309	15,142
2018-19	192	3,182	15,427
2019-20	300	2,870	13,718

Universe: Total number of unduplicated primary and short-term enrollments within the academic year (July 1 to June 30), public schools. Notes: The California Department of Education considers students to be homeless if they are unsheltered, living in temporary shelters for people experiencing homelessness, living in hotels/motels, or temporarily doubled up and sharing the housing of other persons due to the loss of housing or economic hardship. The data used for this table was obtained at the school site level, matched to a file containing school locations, geocoded and assigned to jurisdiction, and finally summarized by geography. Source: California Department of Education, California Longitudinal Pupil Achievement Data System (CALPADS), Cumulative Enrollment Data (Academic Years 2016-2017, 2017-2018, 2018-2019, 2019-2020). This table is included in the Data Packet Workbook as Table HOMELS-05.

Farmworkers

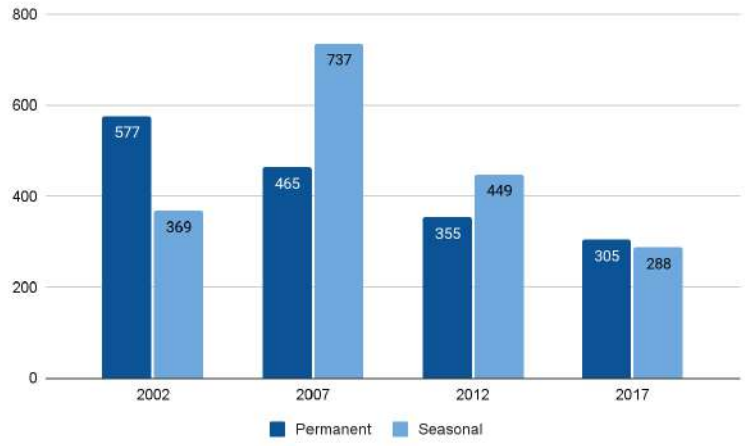
The number of farmworkers living in Newark has declined over the years, with the student population at 57 students for the 2019-2020 school year. The previous years saw 79 students for 2017-2018 and 72 for the 2018 to 2019 school year. Table 3-12 shows the trends for both Alameda county and the greater Bay Area see a similar decline in the migrant farmworker student population. Generally, the number of farmworkers living in Alameda county has been declining since 2012, with fewer than 400 residents working in the industry in a permanent position. It is important to recognize that farmworkers could be under-counted by the census due to their migrant nature. Farming and farmworkers are a significant element of the state's economy, but play less of a role in the Bay Area. Due to lower wages, language barriers, and inconsistent work, farmworkers can have difficulty securing housing, and for these reasons could experience overcrowding and substandard housing conditions.

Table 3-12: Migrant Farmworker Student Population, 2016 to 2020

Geography	2016-17	2017-18	2018-19	2019-2020
Newark	75	79	72	57
Alameda County	874	1,037	785	790
Bay Area	4, 630	4,607	4,075	3,976

Source: California Department of education, California Longitudinal Pupil Achievement Data system, Cumulative Enrollment Data (Academic Years 2016-2017, 2017-2018, 2018-2019, 2019-2020)

Figure 3-47: Permanent and Seasonal Farmworkers at the County Level, 2022 to 2017



Source: U.S. Department of Agriculture, Census of Farmworkers (2002,2007,2012,2017), Table 7: Hired Farm Labor. Note: Farm workers are considered seasonal if they work on a farm less than 150 days a year, while farm workers who work on a farm more than 150 days are considered to be permanent workers for that farm.

Gentrification and Displacement

"It is really sad to see what is happening to our little old town of Newark. I moved here back in 1995 to raise my family. It was a small town and where I wanted to raise my family. My children are NUSD and now currently in college. The Tech Giants have moved into our backyards causing GENTRIFICATION raising rents that our families can't afford. Forcing them to leave and for some to become homeless sleeping in their cars with school-aged children. Also the high number of Homeless on our streets with mental health issues on the corners of all freeways intersections. How is it that we all live in one-million-dollar houses and see all this around us? This breaks my heart we need to see more affordable housing, rent control, good schools with proper equal education for all of our students in our community. All the tech giants use these Big Charter buses to send their employees to Facebook, Google, and Yahoo. Newark should start charging them a fee so that we can have funds available to provide free tutoring for school-aged students struggling in math." – Newark Resident

Defining Sensitive Communities: (Urban Displacement Project, 2020)

Communities sensitive to displacement were measured through a number of indicators. Neighborhoods with a high proportion of residents vulnerable to displacement in the case of rising housing costs, and market-based displacement pressures present in and/or near the community. Communities were designated sensitive if they currently have populations vulnerable to displacement in the event of increased redevelopment and drastic shifts in housing cost. Vulnerability includes metrics for the share of very low income residents, share of renters, share of people of color, and share of very low income households (50% AMI or below) that are severely rent burdened (spending 50% of income on rent). Market-based displacement pressures include percent change in rent between 2012-2017 above county median rent increases.

The City of Newark has grown its job base by 37% since 2010, significantly outpacing the County's job growth, which was also strong. While the City has a higher share of job growth in high-paying industries compared to the County, over 40% of the City's job growth still came from lower wage industries paying less than $75,000 a year. Currently, residents are unable to find housing at a cost and requirements accessible to them, which has led to residents finding shelter in motels. Concern around gentrification is a consistent narrative from residents, many of whom find themselves unable to find housing in a city they have grown up in, and have community connections.

"Programas de vivienda que combaten la gentrificación." (Housing programs that combat gentrification)
– Community Meeting Comment

Figure 3-49 shows areas in Newark that are vulnerable to gentrification and displacement, according to the 2017 study from the Urban Displacement Project, University of California, Berkeley. The area corresponds to a majority of BIPOC populations with an average of 82 percent non white, specifically Hispanic/ Latinx communities, cost burdened and overcrowded households.

The city of Newark has a number of redevelopment projects underway in the Old Town Area, Bayside, and ParkPlace. These projects are working to add more housing to the city through the redevelopment of industrial land into a walkable neighborhood close to commuter rail, repurpose an aging shopping mall, and revitalize a historic district.

Old Town

Old Town is the historic commercial district of Newark that has experienced disinvestment over the years. The neighborhood has a history of a variety of housing types and businesses, with a number of food manufacturing and local restaurants. The Old Town Specific plan looks to revitalize the neighborhood, making it more pedestrian friendly and implement zoning changes to bring higher density housing and mixed use buildings into the neighborhood.

The area has lower rents than the surrounding areas of the city, and is home to a predominantly

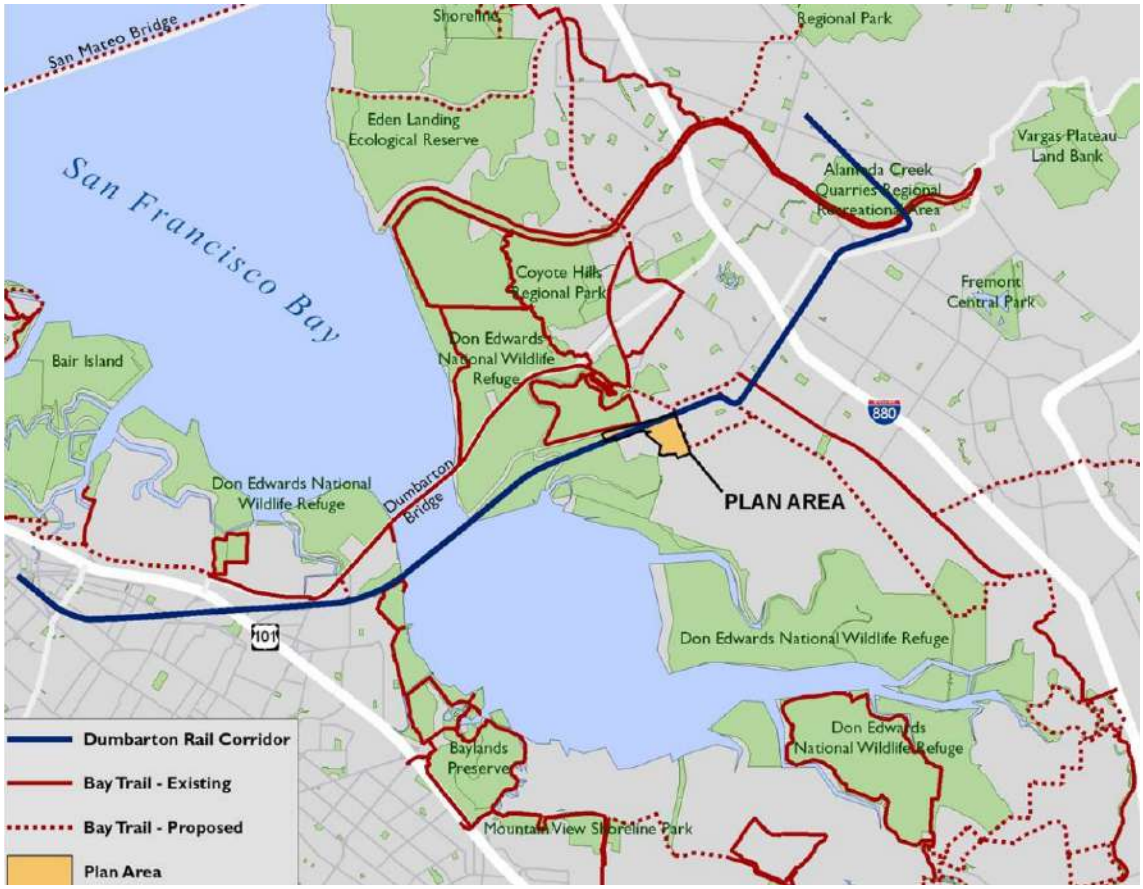
Hispanic/ Latinx population of residents and associated small businesses (fig 3-49). The neighborhood has the highest level of low income residents, with 53 percent of renters cost burdened.

With improvements to the Dumbarton transportation corridor, connecting Newark and the surrounding area to Silicon Valley, this will open up the area for increased development pressure that could result in displacement of existing residents and small businesses.

Bayside Newark

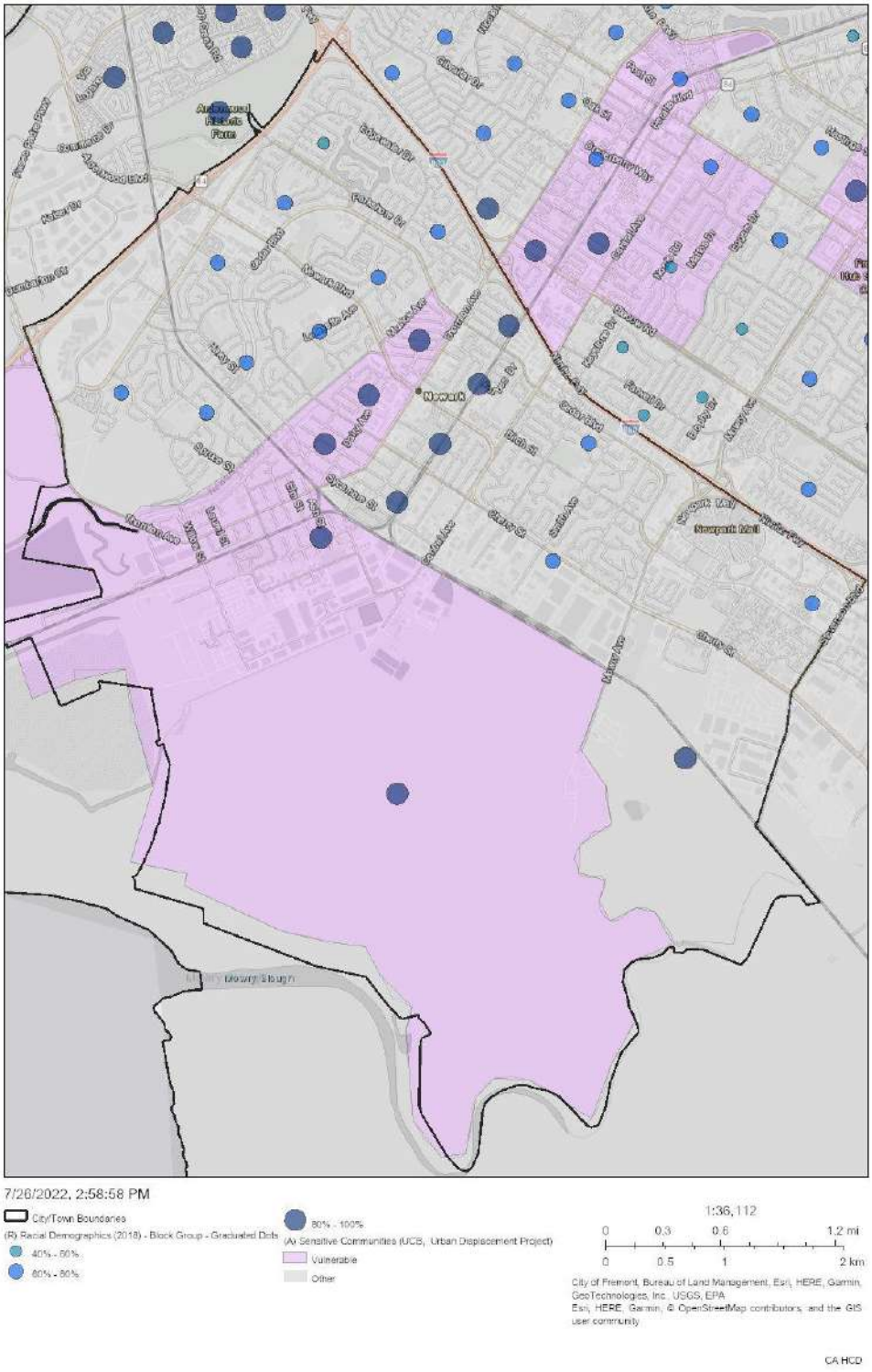
Bayside Newark is a 200-acre planned neighborhood on land previously used for industrial production and manufacturing. The city is implementing a specific plan for a walkable neighborhood with a variety of housing types, recreational open space, and everyday services adjacent to the future Dumbarton rail line. Although there was no residential or small business in the planning area, it is still important to note the impact that the commuter rail line and the inclusion of hundreds of new market rate housing units will have on the demographics of the city.

Figure 3-48: Map of Plan and Dumbarton Corridor, 2010



Source: Dahlin Group, 2010

Figure 3-49: Areas in Newark Vulnerable to Displacement and Percentage of Communities of Color, 2018 and 2022



Source: HCD AFFH Data Resources and Mapping Tool.

Displacement From Environmental Hazards

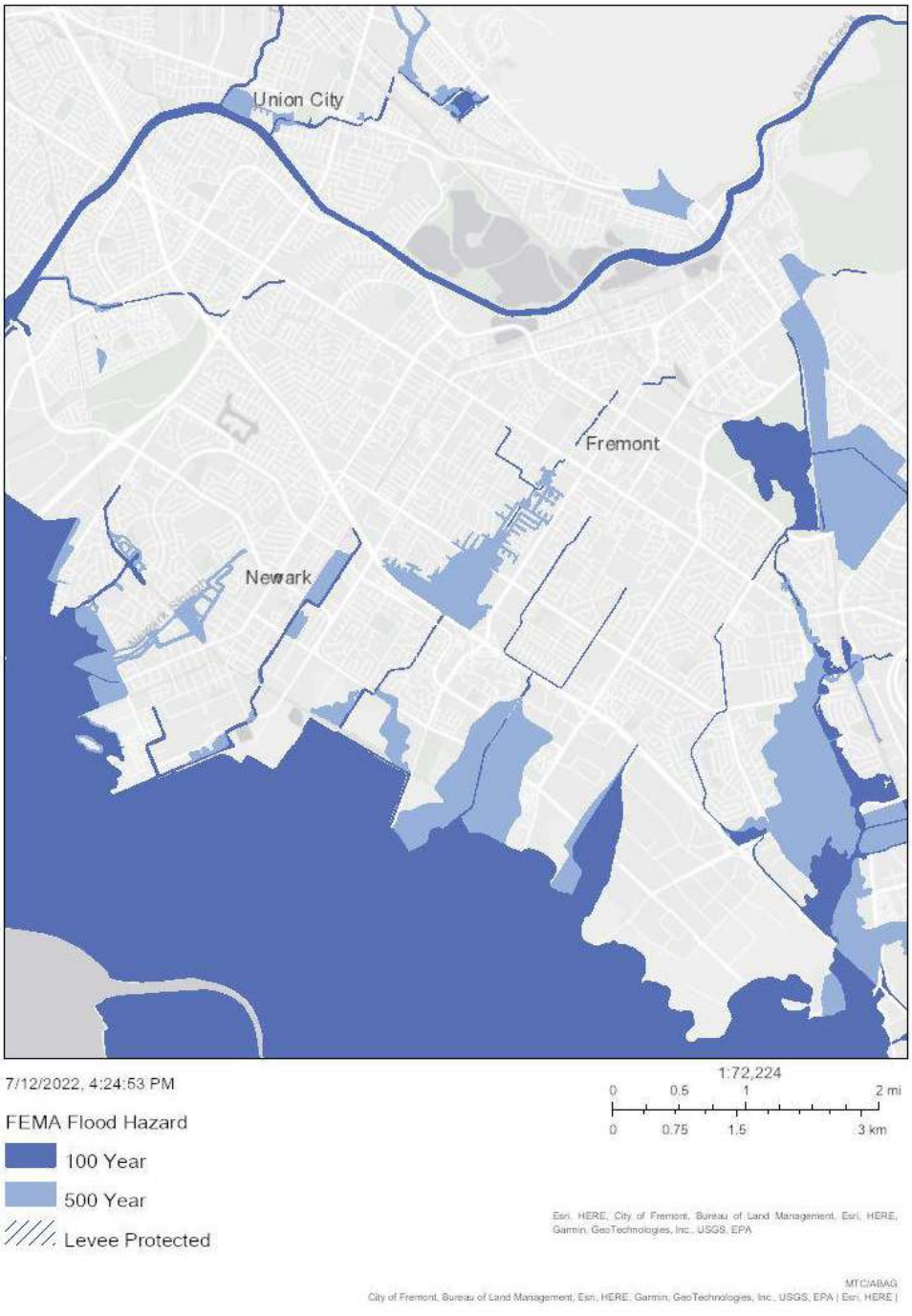
Environmental hazards can cause both physical and social vulnerabilities specifically in low income, disabled, and BIPOC communities. Many communities and households face social vulnerabilities that are intensified during the short- and long-term recovery period after a disaster. Access to information, housing, and social services are disrupted during and after a disaster, straining local housing markets and service providers. Due to the lack of affordable housing due to a mismatch between housing costs and income, communities are vulnerable to local shocks such as a natural disaster. For households that were struggling to find and/or maintain affordable housing before a major event, resulting in displacement of residents and an increase in homelessness. These events also compromise the ability for residents with disabilities to find accessible temporary shelter.

Newark is susceptible to multiple major types of environmental hazards that are visible through the Association of Bay Area Governments Hazard Viewer: Flooding due to sea level rise, tsunamis, and earthquakes. Figure 3-50 of the FEMA flood map shows extreme flooding at the 100 year flood line, engulfing much of the southern portion of the city. At the 500 year flood level, the flooding will move well into established housing, schools and commercial establishments. Flooding most significantly affects areas that are identified as high in opportunity currently, but also encroaches on areas in the city that have been identified as vulnerable to displacement through the Urban Displacement Project.

With Newark being in close proximity to the Hayward fault line, there is the possibility of severe shaking in the event of an earthquake. Residents in our community survey cited multi-year drought as their greatest environmental concern at 52 percent, followed by flooding and sea level rise (44%) and earthquakes (35%). In our community meeting, concern about development in sensitive areas was highlighted, especially ensuring that vulnerable residents are aware of the environmental hazards in their neighborhood.

"Restrict or limit construction of new development in zones or overlay areas that have been identified or designated as hazardous areas to avoid or minimize impacts to coastal resources and property from sea level rise impacts." *– Community meeting comment*

Figure 3-50: 100 Year and 500 Year Flooding Projections for the City of Newark



Source: Association of Bay Area Governments Hazard Viewer

H. AFFH Analysis of Sites

State law, Government Code Section 65583(c)(10), requires the sites analysis to be analyzed with respect to AFFH to ensure that affordable housing is dispersed equitably throughout the City rather than concentrated in areas of high segregation and poverty or low resource areas that have historically been underserved. By comparing the sites inventory to the fair housing indicators in this assessment, this section analyzes whether the sites included in the 2023-2031 Housing Element sites inventory improve or exacerbate patterns of segregation, fair housing conditions, and access to opportunity throughout the City.

Newark was allocated a total of 1,874 new housing units to plan for during the Sixth Cycle Housing Element planning period. This RHNA allocation includes 464 very low-, 268 low-, 318 moderate-, and 824 above moderate-income units. Using data and research from the HCD AFFH Data and Mapping Tool 1.0, Table 3-13 presents the housing unit capacity and existing conditions as they relate to indicators of fair housing analyzed in this assessment for each census tract in the city. For more information about the indicators, refer to the local assessment discussed previously in this chapter. The census tracts and sites inventory are mapped and shown in Figure 3-51. Newark has several physical constraints that present challenges in developing the sites inventory and planning for future growth. These constraints include sensitive wetland habitat and flood plains along the western city boundary and limited vacant land. Because of these constraints, sites included in the 2023-2031 Housing Element inventory are largely located in specific plan areas that are redeveloping existing shopping malls and former industrial lands, with several additional sites located in the Old Town/ Central area.

Newark is a racially and ethnically diverse city, with higher levels of segregation than neighboring jurisdictions such as Union City. As shown in the Table 3-13 BIPOC residents are the majority of the population in all census tracts. Residents identifying as Hispanic/ Latinx compose the largest segments of the population in census tract 4443.02 (Bayside/ Old Town), and census tract 4444 (Old Town/ Central Newark). The sites inventory provides some opportunity to balance the distribution of the various racial/ethnic groups in the city as well as access to opportunity, as sites at all income levels are found in areas with high opportunity and lower predominance of Hispanic/ Latino populations. The sites in NewPark Place, Birchwood, Bayside /Old Town, and Old Town/Central Newark open up opportunities to diversify the area through income and race/ethnicity. Although there are no sites included in the inventory in the northern neighborhoods of the city (Lake-Rosemont, Mirabeau, and Mayhews Landing), proposed programs will work to address the concentration in specific neighborhoods and open up single family neighborhoods to new missing middle housing types identified through community engagement as filling a crucial need for large and small households throughout the city.

Figure 3-51: Housing Sites for the RHNA 6th Cycle



Source: Community Planning Collaborative, 2023.

Table 3-13: Distribution of Housing Capacity by Census Tract with AFFH Indicators

					RHNA Capacity			AFFH Indicators									
								Integration and Segregation								Access to Opportunity	Displacement Risk
Census Tract	Neighborhood	Total Households	Owner Households	Renter Households	Lower	Moderate	Above Moderate	Median Household Income	AMI less than 50%	AMI 50 - 80%	AMI 80 - 100%	AMI greater than 100%	Hispanic / Latino	Non-White Population	Disability Rate	Resource Designation	Overcrowding Rate
4441	Lake-Rosemont	2,573	2,162	411	0	0	0	$116,812	20%	8%	10%	62%	28%	74%	10%	Moderate Resource	0%
4442	Mirabeau Park	1,887	1,484	403	0	0	9	$126,028	14%	12%	9%	64%	35%	81%	7%	Moderate Resource	2%
4443.01	Mayhews Landing	1,189	862	327	0	0	0	$121,156	11%	6%	12%	72%	38%	76%	8%	Moderate Resource	2%
4443.02	Bayside/ Old Town	1,500	762	738	70	21	649	$105,188	24%	12%	13%	51%	66%	89%	6%	Moderate Resource	6%
4444	Old Town / Central Newark	1,519	848	671	201	44	120	$93,094	19%	13%	19%	49%	59%	86%	8%	Moderate Resource	0%
4445	Old Town / Central Newark	2,025	879	1,146	118	42	36	$109,441	16%	14%	9%	60%	21%	88%	7%	Moderate Resource	5%
4446.01	Birch Grove	1,779	1,543	236	155	1	296	$139,119	9%	11%	4%	76%	18%	84%	7%	High Resource	0%
4446.02	NewPark Place	1,575	1,129	446	178	18	536	$128,229	14%	5%	8%	74%	11%	90%	5%	High Resource	0%

Source: Community Planning Collaborative, City of Newark. HCD AFFH Data Resources and Mapping Tool.

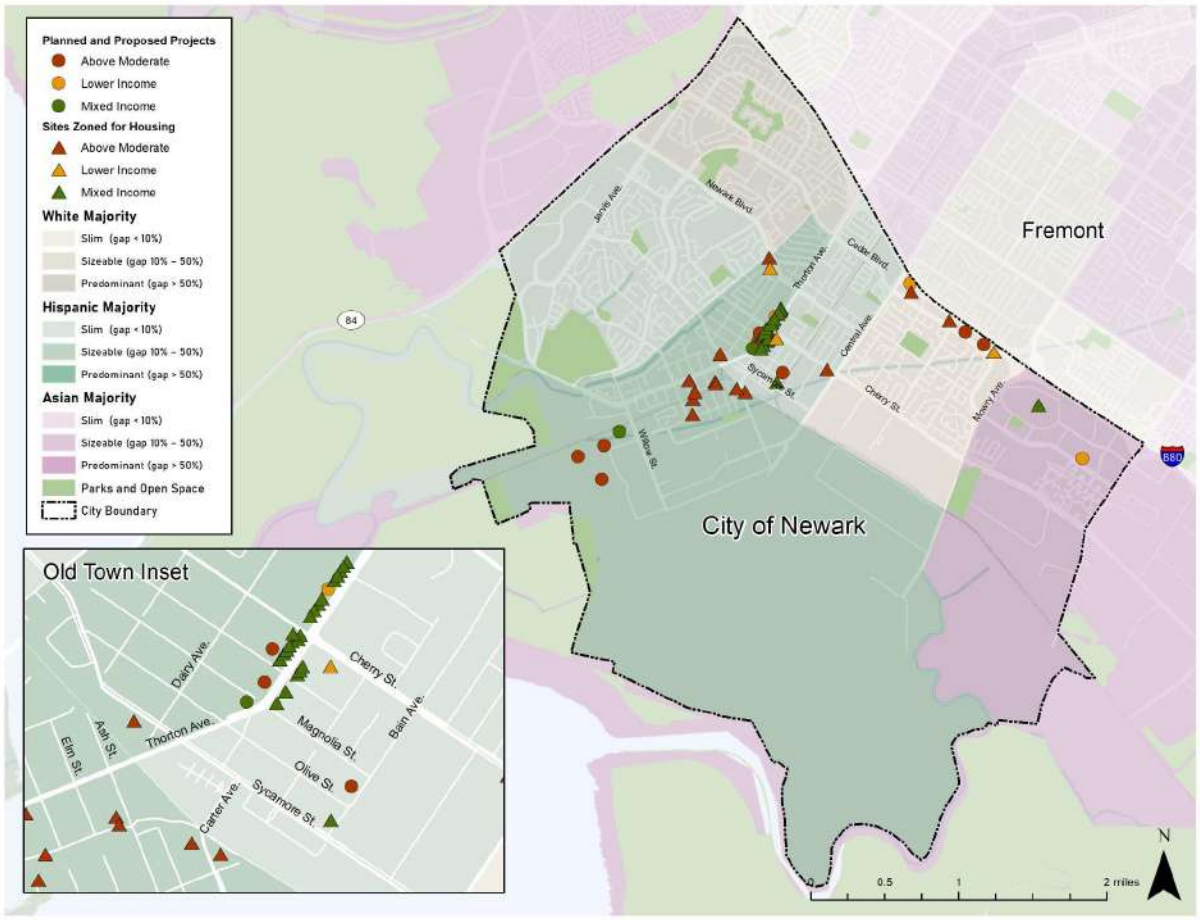
Potential Effects of Segregation and Integration

Race and Ethnicity

In Newark, neighborhoods are predominantly Hispanic/ Latinx. Lake-Rosemont and Birch Grove Neighborhoods are the only neighborhoods in the city where White residents have a slim or sizable gap. The NewPark Place and Sanctuary West areas throughout the city have a predominantly Asian population (composed of a mix of different ethnicities). Generally, the sites inventory will provide some opportunity to balance the distribution of the various racial/ethnic groups in the city. As described above, Hispanic/ Latinx residents are the most segregated group and Asian residents are the most isolated compared to other groups. The sites inventory will not exacerbate segregation by race and ethnicity in Newark due to the high numbers of housing sites in areas that are predominantly Hispanic/ Latinx and Asian, providing new opportunities for housing mobility in the city.

Using the residential sites identified in the site inventory, we look to understand how new housing will impact segregation and integration of race, ethnicity and income level. Figure 3-52 shows the majority of identified sites are concentrated in the areas with a predominantly Latinx/Hispanic population. These areas correspond with the Old Town specific plan, that increases zoning to encourage investment in affordable housing and the transit oriented nature of Bayside Newark. In the Birchwood area, with the highest median incomes in the city, two housing projects, one the Timber Affordable senior housing project and the second, the E-Z 8 Motel site will provide 184 low and moderate income homes, and opportunities for those of other races with lower incomes in an area that has a slim white majority. The redevelopment of NewPark Mall, within the NewPark Place area, will provide 174 low and moderate income units in a high resource neighborhood with a predominantly Asian population. While the increase in above moderate income housing in areas that are predominantly low and moderate income will increase the diversity of incomes and increased investment in the area, it can also lead to higher rents for the surrounding households, and displacement. In response to the concentration of housing opportunity sites located in the central and southern portions of the city, Newark will be implementing a number of programs to expand housing development and housing choice for multiple incomes throughout the city. Programs include: Program H2.1 SB9 and SB10 ordinance as well as H2.8 Zoning for Missing Middle Housing, H2.2 to reduce constraints and expand accessibility for ADU production, in order to achieve a greater geographic diversity of housing type and location. Program H2.6 looks at public school sites in Newark as locations for affordable housing to district employees, and has the potential to both provide affordable family sized housing and increase access to opportunities throughout the city.

Figure 3-52: Sites by Racial Predominance, 2010



Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool.

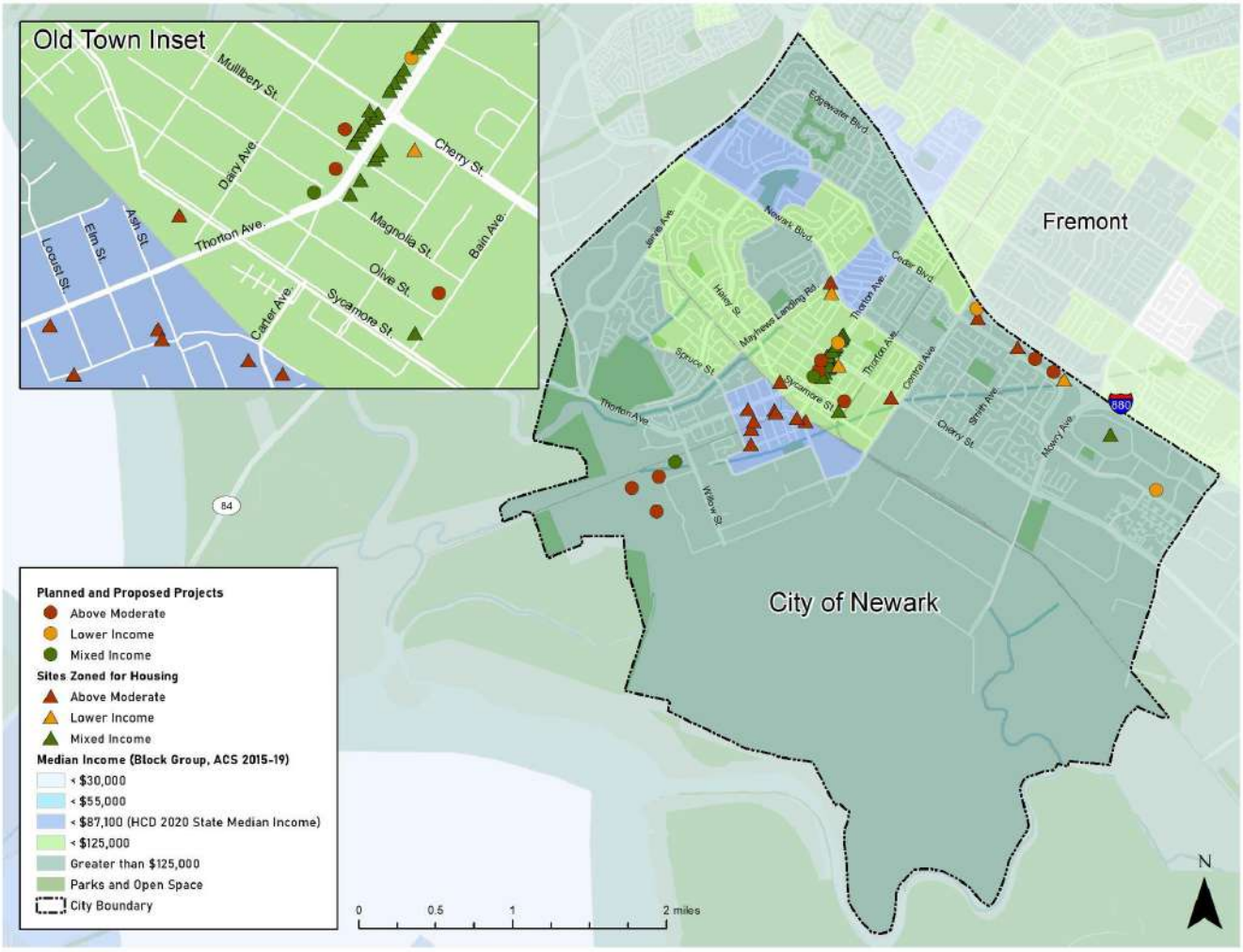
Income

Newark has a population with a high median income, with 50% of residents making more than 100 percent of the median income. Despite this, there is still a large population of residents who are low income, with 10 percent of residents making less than 30 percent of the median income and 13 percent with moderate incomes. Through a variety of programs, the City is working to increase the development of housing for all income types, including housing for those with extremely low incomes, seniors, large families and those with moderate incomes. The Housing Element includes programs to establish development standards that facilitate missing middle housing that is affordable to middle-income households in single-family neighborhoods (Program H2.8) and promoting the development of ADUs throughout the city (Program H2.2).

Fifty percent of sites (2,075 units) are located within the NewParkPlace and the areas, which have a median income of $139,000. The NewParkPlace developments have 28 percent of the total low income units, the largest number of low income units in the city, along with the largest percentage

of above moderate units at 58 percent. Although the lower income sites are distributed amongst The Old Town/ Central, Bayside, Birch Grove and NewParkPlace areas, these census tracts have a range of median incomes between $93,094 to $1390,111, and accounts for 91 percent of the lower-income capacity, 84 percent of the moderate-income capacity, and a majority (2,291 units) of the above-moderate income capacity. The sites in the Bayside /Old Town area are zoned for a variety of housing options to be built, with the greatest capacity of low and moderate income sites which will in turn help to diversify income levels in the area. Table 3-14 show that 23 percent of the lower-income sites are in census tracts with incomes below $93,000. This is driven by the capacity on sites in the Old Town/ Central area along Thornton Boulevard and works to ensure that housing is affordable to existing residents in order to support them to stay in place as investments come to the area. The sites inventory for all other income levels (i.e., lower-income sites, moderate income sites, mixed income sites, and pipeline projects) will not have a significant impact on patterns of segregation and integration by the remaining fair housing indicators including familial status and disability status due the even distribution of those populations in the City.

Figure 3-53: Site Distribution by Median Income, 2015- 2019



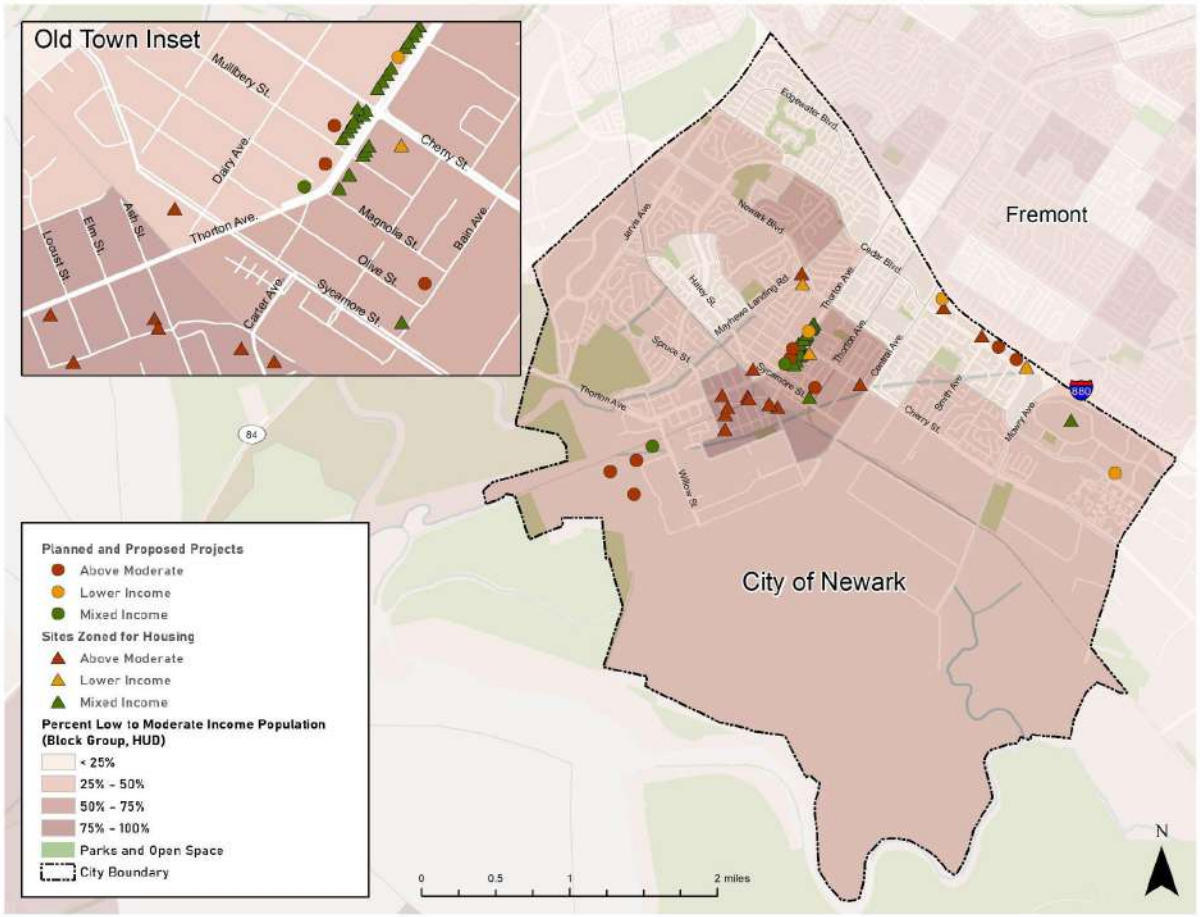
Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool.

Table 3-14: Site Distribution by Median Income, 2015- 2019

Census Tract	Neighborhood	Lower income		Moderate income		Above Moderate		Total Units						
		units	%	units	%	units	%	units	%	Median Household Income	AMI less than 50%	AMI 50 - 80%	AMI 80 - 100%	AMI greater than 100%
4441	Lake-Rosemont	0	0%	0	0%	0	0%	0	0%	$ 116,812	20%	8%	10%	62%
4442	Mirabeau Park	0	0%	0	0%	9	0.5%	9	0.4%	$ 126,028	14%	12%	9%	64%
4443.01	Mayhews Landing	0	0%	0	0%	0	0%	0	0%	$ 121,156	11%	6%	12%	72%
4443.02	Gateway / Bayshore/ old Town	70	10%	21	17%	649	39%	740	30%	$ 105,188	24%	12%	13%	51%
4444	Old Town / Central Newark	201	28%	44	35%	120	7%	365	15%	$ 93,094	19%	13%	19%	49%
4445	Old Town / Central Newark	118	16%	42	33%	36	2%	196	8%	$ 109,441	16%	14%	9%	60%
4446.01	Birch Grove	155	21%	1	1%	296	18%	452	18%	$ 139,119	9%	11%	4%	76%
4446.02	NewPark Place	178	25%	18	14%	536	33%	732	29%	$ 128,229	14%	5%	8%	74%

Source: Community Planning Collaborative, 2023.

Figure 3-54: Site Distribution By Percent of Low and Moderate Income Residents, 2015- 2019



Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool.

Potential Effects on Access to Opportunity

According to 2022 TCAC data, Newark is a mix of moderate and high resource areas. The Birchwood, NewParkPlace areas comprise Newark's high resource areas, while the rest of the city is considered moderate resource areas, as highlighted in Figure 3-56. Newark does not have any low resource areas, areas of high segregation, or highest resource areas.

A percentage breakdown of proposed and sites zoned for housing by resource area in Figure 3-56 shows that 46 percent of low income units are located in high resource areas. A significant percentage of planned and proposed moderate income housing, 85 percent, are located in moderate resource areas as are 54 percent for low income units. For the most part, both low and above moderate housing are relatively evenly distributed across moderate and high resource areas. While a high percentage of moderate units are planned and proposed for moderate resource areas, this figure does not take into account the additional units expected from missing

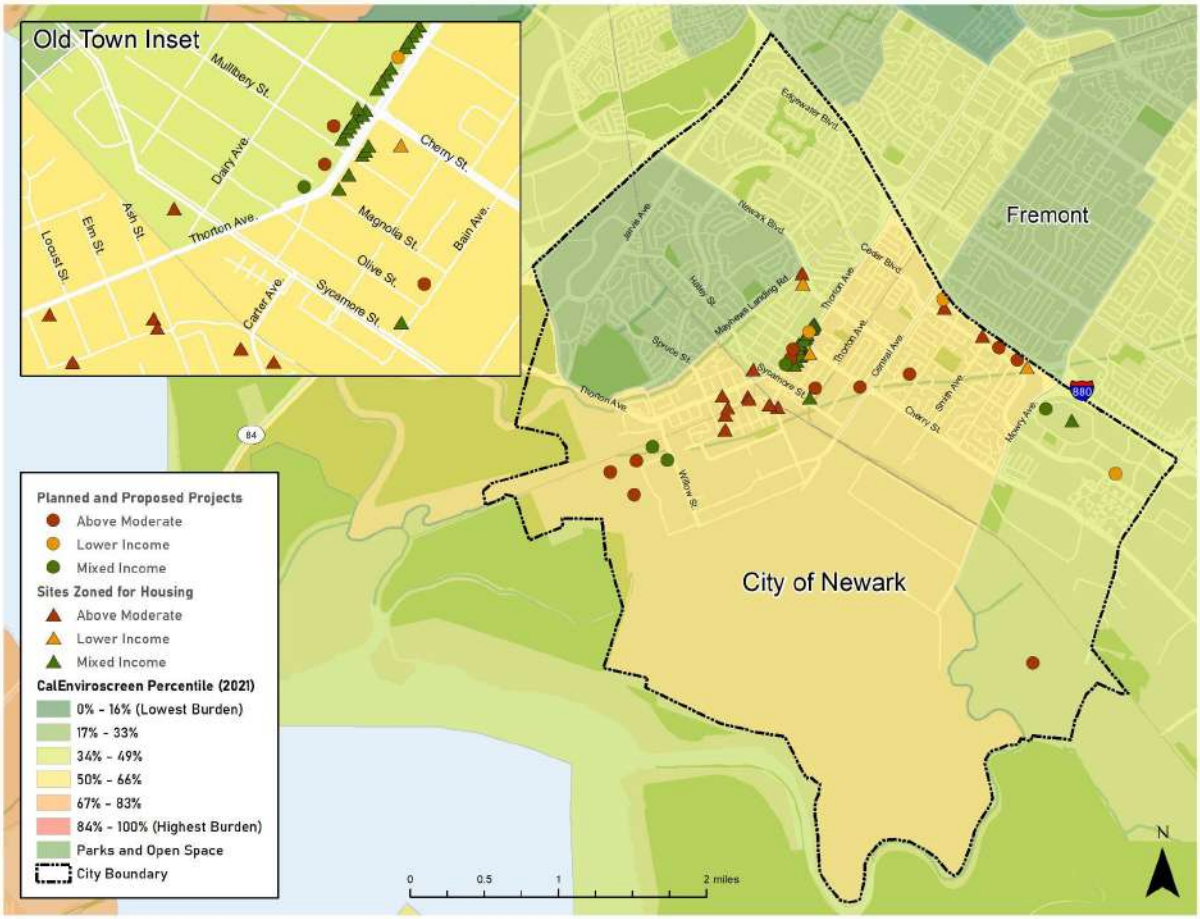
middle and ADU programs which will be prioritized for high resource areas.

In the higher resource areas there is a mix of housing both in the pipeline for development and sites identified for new housing. Pipeline projects include site 9, Cedar Community Apartments, a HomeKey project that provides 124 units of housing for those with extremely low incomes. The focus will be on providing housing for those that are homeless and those at risk of homelessness, with 11 units reserved for veterans that have experienced homelessness. The redevelopment of NewPark Mall consists of two mixed income projects providing housing for very low, low and moderate income households, and one pipeline project serving those with above moderate incomes. Pipeline and housing opportunity sites in the Birchwood and NewPark Place areas will provide 352 units of low and moderate income housing in high opportunity areas. By providing housing opportunities for very low, low and moderate income households in high resourced areas the city is addressing the need to expand housing choices available to those looking for affordable housing close to shopping, parks, transportation and quality schools and support vulnerable populations.

Newark is making targeted investments in the Old Town/ Bayside area, with active transportation infrastructure improvements connected to the Old Town Specific Plan and the Bicycle master plan, and supporting small businesses and community members through facade improvement grants for small businesses in the Old Town area and the construction of a family resource center. See the chapter on transportation and the Public Realm for more details on city lead investments. These investments will provide needed improvements in an area that is lower income than surrounding areas.

Environmental Outcomes

Figure 3-55: Site Distribution by CalEnviroScreen Percentile Score, 2021



Source: Adapted by Community Planning Collaborative, 2023. HCD AFFH Data Resources and Mapping Tool and CalEnviroScreen Data

CalEnviroScreen is a mapping tool that helps identify California communities that are most affected by many sources of pollution, and where people are often especially vulnerable to pollution's effects. The tool uses environmental, health, and socioeconomic information to produce scores at the census tract level and is indexed allowed for cross community comparison. Tracts with high scores experience a much higher pollution burden than areas with low scores.

As displayed in Figure 3-55 above, sites identified by Newark as being suitable for accommodating lower-income RHNA housing during the planning period are located in areas with low to very-low levels of environmental risk. Both planned and proposed projects and sites zoned for housing are in areas with a relatively low incidence of environmental contamination per CalEnviroScreen.

Environmental Quality

Bayside Newark

This project area includes 233 acres of land that historically has contained various industrial, manufacturing, chemical processing and salt production facilities since the early twentieth century. Due to the history of industrial use on the site, the city has remediated portions of the site. One form of contamination was a groundwater plume that exists in shallow groundwater beneath portions of the Plan area. The San Francisco Bay Regional Water Quality Control Board (RWQCB) is directing mitigation of this groundwater plume in collaboration with the Alameda County Water District (ACWD). Some properties within the Specific Plan area also contain soil impacted hazardous substances. The Department of Toxic Substances Control (DTSC) is directing the remediation of impacted soils at these properties.

The specific plan includes neighborhood focused retail, new infrastructure to support new residential and commercial development, new parks and the Bayside Trail, as well as new residential units in a variety of sizes and types.

Old Town Specific Plan Area

Central Newark and sites within the Old Town Specific Plan are at high risk of exposure to particulates from diesel fuel. In an effort to increase health equity in the area, and create a safer environment for walking and biking, the city will conduct a truck route study in 2023, looking to remove semi trucks from using Thornton avenue in the old town district.

Transportation and the Public Realm

Through public participation, pedestrian improvements and access to public transportation have been consistent themes that are associated with opportunity for a variety of populations, as well as being conscientious of climate change and the environment.

Figure 3-57 shows the distribution of housing sites and bus routes in Newark. We have heard from the disability community that having affordable housing in close proximity to transit is important for their community. There is also an understanding that transportation can be a significant expense, to providing housing in close proximity to transportation, new developments can lessen the cost burden and support more sustainable development.

In 2017 Newark City Council approved the Pedestrian and Bicycle master plan, in order to prioritize and implement infrastructure improvements and educational/enforcement programs that will improve the biking and walking environment in Newark. The following is an overview of pedestrian and bicycle improvements to be undertaken during the Housing Element cycle:

- Cherry street will be improved by a class 4 separated bike lane from Central Ave to Stevenson blvd.
- The Central ave overpass, with an estimated completion in 2025, will eliminate railroad grade crossing for pedestrians, creating a separated crossing at Sycamore and Filbert, make it easier for pedestrians to cross safety, and the addition of new bike lanes
- In Old Town, with an estimated completion date of 2025 there will be bike and pedestrian improvements: a road diet, widened sidewalks, bike lines where there are none, high visibility crosswalks.
- The Bay Trail will be extended through the Bayside Newark development
- The city has received grant funding to add sidewalks and for the development of a cycle track on Thornton ave, between Gateway blvd and Hickory street, to improve access to the wildlife refuge. This will add bike lanes to the west side to make it safer to access the wildlife refuge. Estimated project completion will be in 2029.
- Grant funding to install the rapid fire beacons where the residents have expressed concerns over safe crossing, especially for students. One is planned for Old Town at Mulberry street, and near the Bayshore district on Enterprise drive.

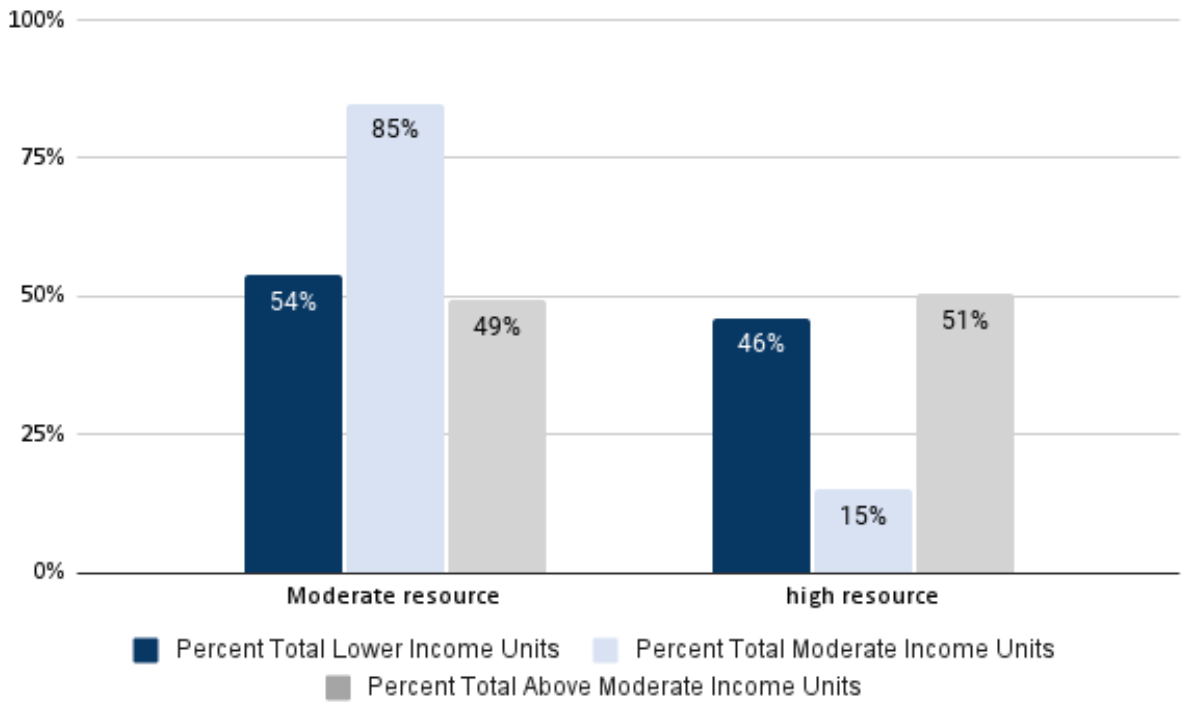
Through area specific plans, Newark is investing in their public realm through pedestrian improvements for active transportation and pedestrian safety through more human scale streets. The Old Town Specific plan will be directing infrastructure investments in the form of streetscape improvements, such as wider sidewalks, bike lanes, high visibility crosswalks and traffic calming. Through the Old Town Area, Thornton Avenue will be reduced to slow traffic and increase space for walking and biking. Public art and new gathering spaces will support placemaking efforts to celebrate Newark past and present.

Table 3-15: Sites along transit lines and High or Moderate Opportunity Areas, 2022

Housing Site	Specific Plan Area and / or Opportunity area	Pedestrian Improvements
14	High Resource (NewPark Place)	
5, 6, 7, 13, 17, 22	High Resource (Birchwood)	
8, 9, 16, 19, 21, 28	Moderate Resource (Old Town)	Changes will be made to Thornton Ave to facilitate safer walking and biking in the area. There will be traffic calming measures, bike lanes and wider sidewalks.
10, 15, 20, 21, 24, 25	Moderate Resource (Old Town / Central Newark)	

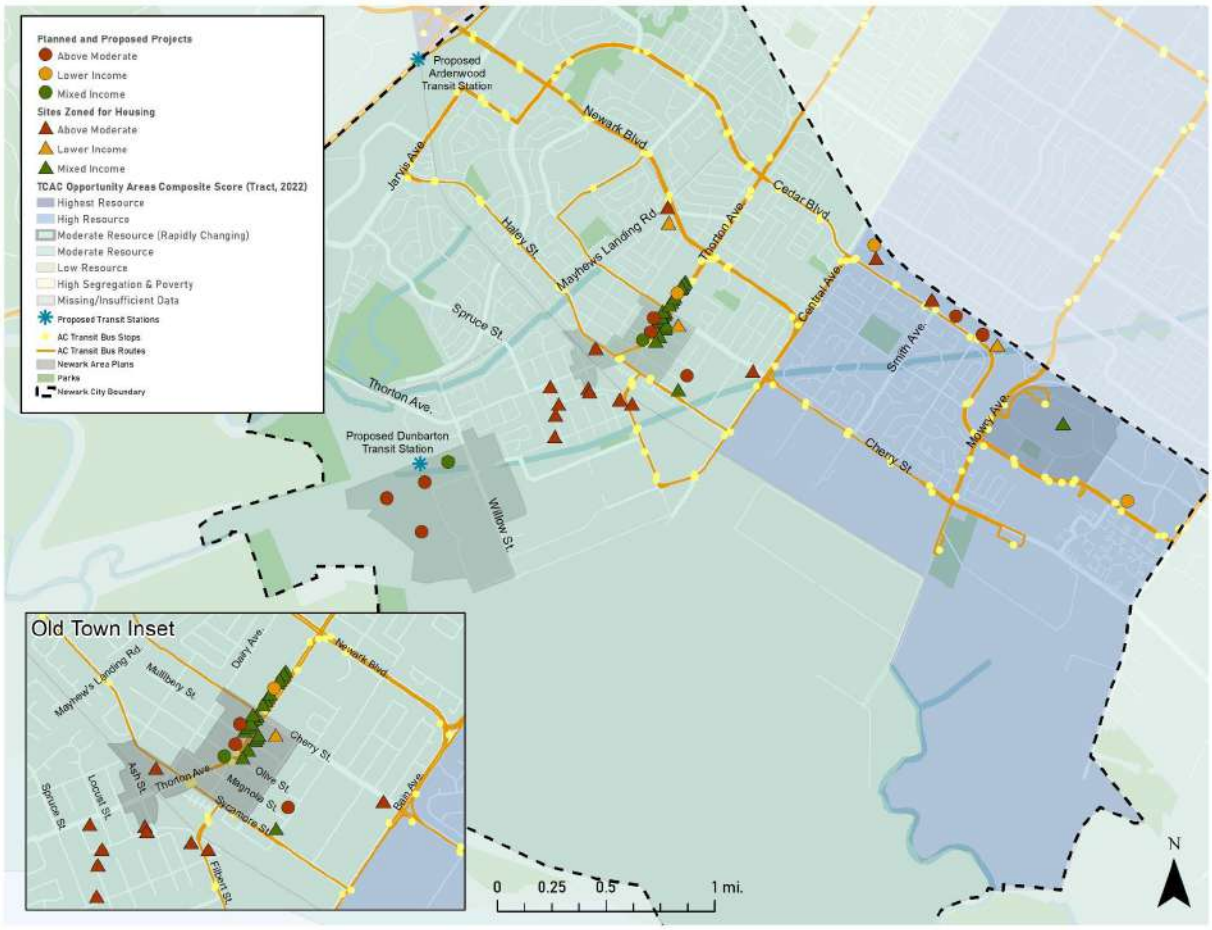
Source: Tax Credit Allocation Committee, 2022, ACTrans 2022, City of Newark

Figure 3-56: Percentage of Housing Units by Resource Opportunity Area, 2022



Source: Tax Credit Allocation Committee, 2022, Community Planning Collaborative Sites Analysis

Figure 3-57: Site Distribution by Resource Level and Transportation Access, 2022



Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool

Potential Effects On Disproportionate Housing Needs

As previously mentioned, Newark has a large portion of residents that have housing needs that make them vulnerable to displacement due to being cost burdened, large families, female headed households or a senior. As highlighted in Figure 3-59 the areas vulnerable to displacement also correspond with portions of the city with BIPOC populations above 80%, specifically Hispanic / Latinx residents. The areas that are vulnerable to displacement in the Old Town, Bayside area also have higher rates of cost burden. With a focus on increasing affordable housing opportunities in the Old Town/ Central area, 57 percent of sites are for lower income households, as well as sites identified as mixed income developments will provide housing options that will support community members ability to remain in their neighborhoods.

The city is planning to develop and implement a number of policies and programs to support residents to stay in place such as a local preference policy, program H4.2 a community/tenant

opportunity to purchase act, and program H4.1 Develop Anti Displacement programs for the Old Town area.

Figure 3-58 Distribution of Sites by Rates of Cost burdened, 2015- 2019

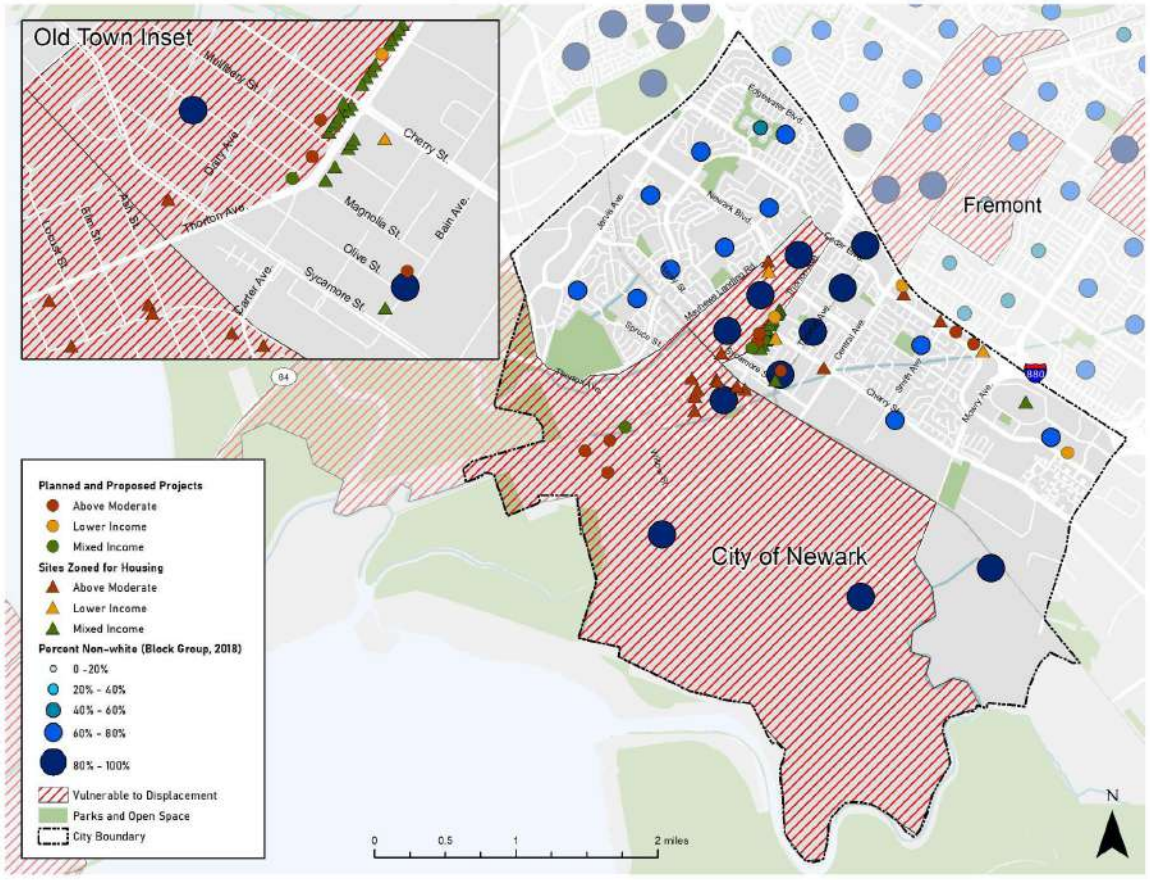


Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool.

Cost Burdened Households

- 30% of housing sites are affordable for very low, low and moderate income households and are distributed throughout the city.
- Recognizing the role that access to transportation plays, 25 percent of housing units are along existing bus lines and are affordable to very low, low, and moderate income households.

Figure 3-59: Distribution of Sites by Displacement Risk and Percent BIPOC population, 2017 and 2018

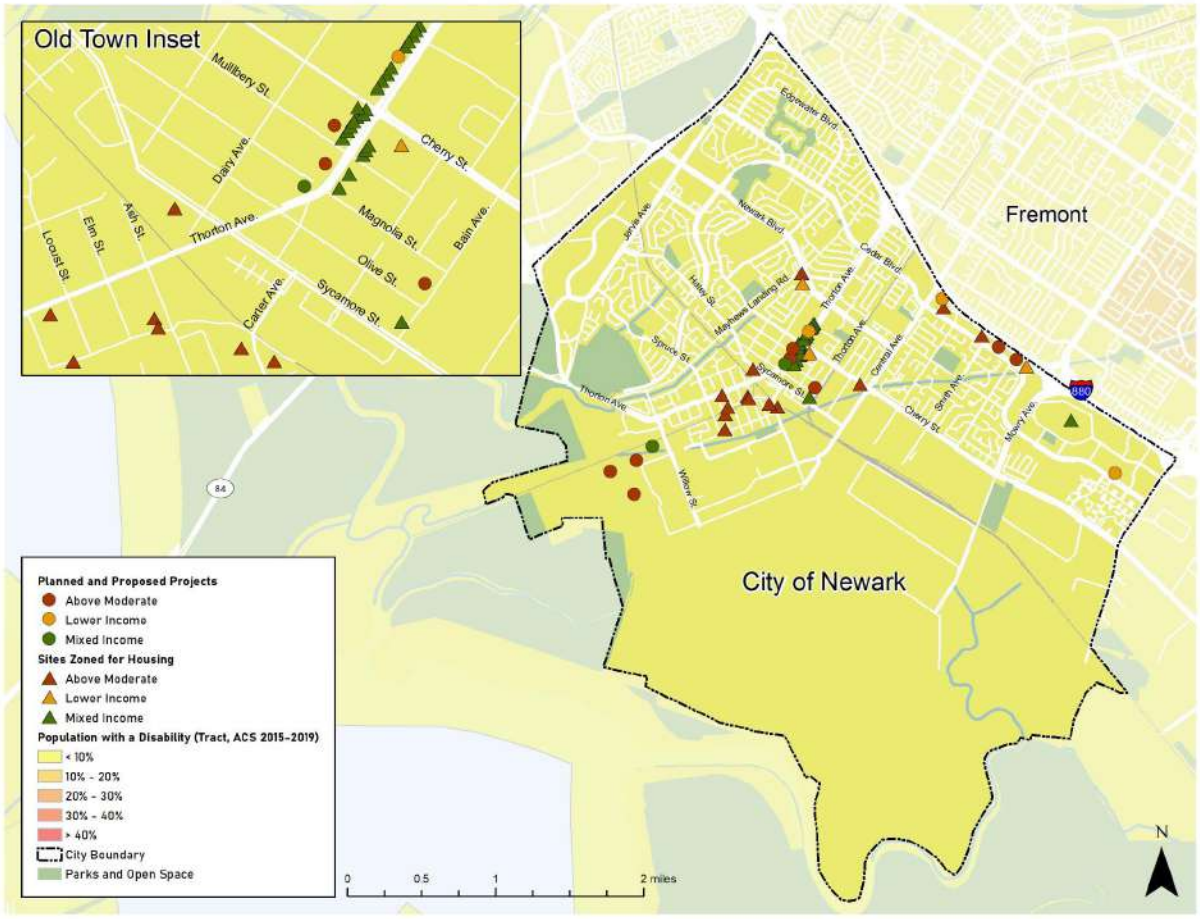


Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool.

People with Disabilities

Residents with disabilities in Newark are a lower percentage then the county at 8 percent, and are equally distributed throughout the city. Through conversation with the executive director of the Housing Consortium of the East Bay, he identified important aspects of housing development for those with physician and developmental disabilities. Having housing in close proximity to public transit to connect with jobs and services is key, as only 10 percent of the demographic owns a car. In Newark, major transit lines run along Thornton Ave, Central Ave and Sycamore street. Housing sites are well positioned to be within a half mile walking distance of transit as shown in Figure 3-57. With The majority of sites centrally located near parks, libraries and transit, new housing in Newark will be accessible to those with limited mobility. Fifty two percent of housing sites along existing transit routes are to be affordable to those with very low, low and moderate incomes, yielding an expected total of 754 units.

Figure 3-60: Housing Sites Vis-a-Vis Disability Status, 2015- 2019



Source: Adapted by Community Planning Collaborative, 2022. HCD AFFH Data Resources and Mapping Tool.

I. Contributing Factors and Meaningful Actions

The City of Newark has a significant Asian and Hispanic/Latinx population, a large number of families, and few affordable rental and home ownership opportunities available for residents. A history of housing discrimination and disinvestment have brought uneven opportunity and quality of life for BIPOC residents. Housing pressures from workers in Silicon Valley are increasing housing costs for long term residents. The city is constrained by ecologically sensitive marshlands of the San Francisco Bay, and is vulnerable to flooding and sea level rise, which plays a key role in planning for growth in a sustainable manner.

There is an urgent need for affordable housing, especially for families and seniors. There is a high percentage of students experiencing homelessness, single parent households in poverty, and multigenerational families - all with disparate housing needs. Old town and Central Newark have low environmental outcomes, due to pollution from industrial and truck traffic that disproportionately affects children and seniors.

Newark's BIPOC community are disproportionately cost burdened renters, who face increasing rents with few protections. Many residents shared the challenge of finding affordable rental housing, and the desire for stability and the opportunity to build wealth through homeownership.

The city is committed to furthering fair housing in Newark and has identified the contributing factors, and policies and programs to implement in order to increase access to opportunity and affordable housing options in the city, especially for those communities most vulnerable to gentrification and displacement.

Mobility Strategies Removing barriers to housing in areas of opportunity and strategically enhancing access.

PROGRAM H2.8: Zoning for Missing Middle Housing Types.

PROGRAM H5.1: First-Time Homebuyer Assistance

PROGRAM H7.1: Develop training programs in collaboration with Alameda County Housing Authority for property owners to understand the housing choice voucher program

PROGRAM H4.6: Support tenant stability though minimum lease terms and relocation assistance

PROGRAM H4.8: Connect Residents with Foreclosure Assistance

PROGRAM H7.4: Affirmatively Market Affordable Housing

New Housing Choices in Areas of Opportunity Promoting housing supply, choices and affordability in areas of high opportunity and outside of areas of concentrated poverty

PROGRAM H2.1: Encourage New Housing options in areas of the city close to services such as parks, schools and grocery stores.

PROGRAM H2.2: Accessory Dwelling Unit program

PROGRAM H2.6: Work in Partnership with Newark Unified School District to develop new housing

PROGRAM H2.7: Affordable housing development fund.

PROGRAM H2.8: Zoning for Missing Middle Housing types

PROGRAM H2.10: Single Room Occupancy Housing

PROGRAM H4.5: With community partners, connect residents to existing shared housing programs

PROGRAM H5.2: Affordable Housing Development Programs

PROGRAM H5.6: Affordable Housing Overlay Zone

PROGRAM H5.3: Public Lands for dedicated affordable housing.

PROGRAM H2.3: A Community Plan for the 4 Corners Area

Place Based Strategies (Amenities, Economic Development) Conserving and improving assets in areas of lower opportunity and concentrated poverty such as targeted investment in neighborhood revitalization, preserving or rehabilitating existing affordable housing, improving infrastructure, schools, employment, parks, transportation and other community amenities.

PROGRAM H1.1: Housing Rehabilitation and Repair Programs.

PROGRAM H2.9: Area Specific Plans

PROGRAM H4.1: Develop anti displacement programs for the Old-Town Newark Specific Plan area

PROGRAM H6.3: Cool Roofs for cool homes

Anti Displacement Strategies + Tenant Protection (Fair Housing Outreach and Enforcement) strategies that protects residents in areas of lower or moderate opportunity and concentrated poverty and preserves housing choices and affordability

PROGRAM H1.2: Develop a citywide rental inspection program to maintain high quality housing throughout the city

PROGRAM H4.2: Develop a Tenant/Community Opportunity to Purchase Policy

PROGRAM H4.3: Develop a Just Cause Eviction Ordinance

PROGRAM H4.4: Small Sites Program

PROGRAM H4.9: No Net Loss of Units

PROGRAM H5.1: First-Time Home Buyer Assistance

PROGRAM H7.2: Partner with community organizations to ensure that community members have access to tenant rights information and Fair Housing in multiple languages

PROGRAM H7.3: Work with Newark Unified school district to distribute housing resources to families enrolled in the district

Table 3-16: Summary of Contributing Factors and Actions Regarding Housing Issues in Newark

Fair Housing Identified Issue	Contributing Factor	Prioritization and Geographic target	Meaningful actions
Population of children and families experiencing homelessness.	Lack of available rental housing that is affordable to those making at or below the median income. There is no affordable housing available for rent and for those transitioning out of homelessness.	**HIGH. City wide with a focus in supporting the students in schools in the Old Town/ Central area**	• Develop a strong working relationship and partnership with the Newark Unified School district to increase access to resources to families in the District. **PROGRAM H7.3** • Build more housing for low and extremely low income residents and those transitioning from and experiencing homelessness. **PROGRAM H2.7** • Prioritize publicly owned land for affordable housing development. **PROGRAM H5.3** • Implement an affordable housing overlay zone to incentivize the construction of affordable housing for very low, low, and moderate income households in targeted areas. **PROGRAM H5.6** • Develop a local response to support people experiencing homelessness, with specific attention to the racial disparities and large population of youth and families. **PROGRAM H2.5; PROGRAM H7.3** • Support Tenants through minimum lease terms and relocation assistance. **PROGRAM H4.6** • Work with partners to develop scattered sites for shared housing utilizing funding sources such as Project Home Key. **PROGRAM H4.11**
Ineffective outreach and access to information for renters and property owners, those with limited English, lack of existing knowledge of resources, or limited time	Resources for renters are not easily accessible currently. Those with limited English language, lack of access to a personal computer and or internet connection need additional support and resources tailored to their needs. Landlords need training to better understand laws and regulations	**HIGH Citywide with a focus on supporting the significant Hispanic/ Latinx and Asian populations in the Old Town / Central area**	• Partner with a local non profit to co produce tenants rights materials and support systems for communities that have not been equitably served by existing resources and processes. **PROGRAM H7.2** • Update the city website to make housing resources easier to access for populations that have limited English. **PROGRAM H7.2; PROGRAM H7.3; PROGRAM H7.4**

Fair Housing Identified Issue	Contributing Factor	Prioritization and Geographic target	Meaningful actions
Significant negative environmental outcomes for existing low income BIPOC communities & increased risk of climate related displacement	Due to high levels of air pollution from freeway pollution and truck traffic on Thornton Avenue, and high levels of cost burden residents, the majority of Newark has less positive environmental outcomes.	**MEDIUM Focus on the Bayside/Old Town**	• Flood Risk Disclosure for New Development. As a significant portion of Newark falls within the 100 and 500 year flood plain, ensuring that development is built in response to climate change. **PROGRAM H6.4**
Displacement pressure for BIPOC communities. Large cost burden BIPOC community and a low inventory of affordable rental homes for all segments of the population	Due to close proximity to Silicon Valley, the housing market has become more attractive to those working in the tech industries in the area. As rents continue to increase, residents with incomes at or below the median income are not able to find rentals they can afford.	**HIGH Focus on areas identified as vulnerable to displacement such as the Old Town/Central, Bayside areas and renters around the city**	• Increasing renter support by developing and implementing a Just Cause Eviction Ordinance, to ensure that renters clearly know their rights. **PROGRAM H4.3** • Developing a Local Preference policy to support housing that prioritizes those residents currently living in Newark. **POLICY H4.1** • Developing a community / tenant opportunity to purchase ordinance. **PROGRAM H4.2** • Develop an anti displacement plan for the Old Town/ Central Newark areas. **PROGRAM H4.1** • Support tenant stability though minimum lease terms and relocation assistance. **PROGRAM: H4.6** • Develop a city wide rental inspection program. **PROGRAM H1.2**
Lack of affordable rental homes for all segments of the population, with protected classes being the most affected. A large number of single parent families in Newark in poverty	Newark's housing stock is primarily composed of market rate single family homes for ownership or rent. The most recent subsidized housing constructed was the first built in the city in over 20 years, and currently all subsidized housing is for seniors.	**HIGH Citywide focus on new housing on Newark Unified school district sites, and a focus on missing middle housing types in the Birch Grove, Lakes, Mirabeau, and**	• Develop an Affordable Housing NOFA to encourage affordable housing developers to locate projects in the city for high need populations. **POLICY H5.5** • Develop a program for the development of low and moderate income Accessory Dwelling Units in the city, with the intention of increasing housing options for public service workers and residents that are in need of affordable housing such as single parents. **PROGRAM H5.5** • Update the inclusionary zoning policy to include home

Fair Housing Identified Issue	Contributing Factor	Prioritization and Geographic target	Meaningful actions
		Mayhews Landing neighborhoods.	ownership opportunities, encourage more on site affordable units and ensure affordability requirements will address those at residents at low incomes • Generate local funds for affordable housing production and programming through an affordable housing fee program. **PROGRAM H5.2** • In collaboration with a non profit organization, implement a shared housing program in Newark. **PROGRAM H4.5** • Work in partnership with the Newark Unified School District to plan for affordable housing production and build upon the existing partnership between the City of Newark and Newark Unified School District to bring forward implementable plans for affordable housing school owned properties. **PROGRAM H2.6** • Develop new housing options in established neighborhoods of the city close to services such as parks, schools and grocery stores. **PROGRAM H2.1**
Low homeownership levels for Black, Indigenous and Hispanic/ Latinx residents	History of housing discrimination in Newark as well as mortgage lending discrimination has led to a lack of access to home ownership opportunities for Black, Indigenous and HIspanic/ Latinx residents.	**MODERATE Focus on supporting BIPOC residents, as part of the Newark Affordable Housing Action Plan work**	• Develop a below market rate homeownership program in partnership with a non profit organization to expand home ownership for first time homebuyers and BIPOC community members. **PROGRAM H5.1** • Connect residents to foreclosure assistance, With a focus on Hispanic/Latinx, Indigenous and Black residents. **PROGRAM H4.8**
Disproportionate access to opportunity across the city. Areas with low access to opportunity are primarily in areas with high proportion of Hispanic/ Latinx, Asian and	Older areas of the city such as Old Town have seen a lack of investment over the years in the historic commercial and residential district and private investment has gone into newer	**HIGH Programs and policies focused in the Old Town/ Central Newark area. Family sized**	• Develop new affordable homes in opportunity areas throughout the city, close to parks, schools and public transportation. **PROGRAM H2.1** • Invest in improving the infrastructure and affordable housing opportunities in Old Town and Bayside neighborhoods in

Fair Housing Identified Issue	Contributing Factor	Prioritization and Geographic target	Meaningful actions
Indigenous residents **High segregation of Hispanic / Latinx population**	developments. Due to the disinvestment, the area has supported lower rents than the surrounding neighborhoods, supporting a primarily BIPOC neighborhood of residents.	**housing and pedestrian improvements are planned/ in process**	Newark through the Old Town specific plan, to create areas of high opportunity where residents currently reside. **PROGRAM H2.9** • Open up single family zoning in larger portions of the city for low scale "missing middle housing" types such as courtyard housing that were identified in the housing survey. **PROGRAM H2.8** • Update inclusionary zoning policy to ensure new affordable homes are built on site, with no in lieu fee option • Accessory Dwelling Unit program to support the development of new housing distributed throughout the city and with 25 percent in high opportunity neighborhoods. **PROGRAM H2.3** • Develop an Anti Displacement program for the Old Town/Central areas, **PROGRAM H4.1** • Develop a program for the preservation of unsubsidized affordable housing in the city, especially in areas of high displacement risk. **PROGRAM H4.4**

SECTION 4 HOUSING CONSTRAINTS

State housing law requires the City to review both governmental and non-governmental constraints to the maintenance and production of housing for all income levels. Examples of such constraints include development standards, local processing and permit procedures, development fees, construction costs, and compliance with various State laws to facilitate housing for lower-income and special needs households. State law requires the local governments to take action through their Housing Element to "address and, where appropriate and legally possible, remove governmental constraints to the maintenance, improvement, and development of housing including housing for all income levels and housing for persons with disabilities," (Government Code Section 65583(c) (3)). A thorough understanding of the potential constraints to development can help to create appropriate policy responses

A. Governmental Constraints

Government regulations can potentially constrain the supply of housing available in a community if those regulations limit opportunities to develop housing, impose requirements that unnecessarily increase the cost to develop housing, or overcomplicate the development process for developers. State law requires that housing elements contain an analysis of the governmental constraints on housing maintenance, improvement, or development of housing for all income levels including special needs households and persons with disabilities (Government Code, Section 65583(a) (4)). Potential constraints to housing include land use controls, development processing procedures and fees, impact fees, on- and off-site improvement requirements, and building and housing codes and enforcement. This section discusses these standards and assesses whether any serve as a constraint to affordable housing development in Newark.

Land Use

The City of Newark controls the location, type, density, and scale of new development through the General Plan, the Zoning Ordinance, and various specific plans.

General Plan

Every jurisdiction in California is required to prepare a comprehensive, long-term General Plan to guide decision making. Newark's General Plan, adopted in 2013, sets forth the City's vision, goals, and policies to shape development of the city. The updated plan created new opportunities for residential and mixed-use development throughout the city and has subsequently been supplemented by Specific Plans (described below) that further set forth plans and policies to

accommodate a range of housing types in key priority growth areas to create inclusive housing opportunities for Newark residents. These new residential development opportunities are reflected in the increased capacity of the Housing Element sites inventory. The Land Use Element of the General Plan has five land use designations that allow for residential use as follows:

Table 4-1: General Plan Land Use Designations

Land Use Designation	Housing Capacity	General Uses
Low Density Residential	Less than 8.7 units per net acre	This designation is intended for single-family residential development on lots larger than 5,000 square feet. It corresponds to most of Newark's residential neighborhoods. Multiple zoning districts apply within Low Density Residential areas to distinguish areas with different minimum lot sizes. Other compatible uses, such as schools, childcare centers, parks, and religious facilities may also be located in areas with this designation, subject to appropriate permitting requirements.
Low-Medium Density Residential	8.7 to 15 units per net acre	This designation is intended for small lot single-family homes, zero lot line and patio homes, mobile home parks, and other areas characterized by a mix of older single-family homes and small multi-unit buildings. These areas have the basic characteristics of single-family neighborhoods, such as front and rear yards, driveways, and garages, but have smaller lots and a wider variety of housing types. Densities in areas with this designation range from 8.7 to 15 units per net acre, but the higher end of this range (e.g. from 11 to 15 units per acre) will only be allowed on properties which have their primary access on an arterial or collector street and which are found to be compatible with the character and intensity of residential development in the immediate area. Other compatible uses, such as schools, childcare centers, parks, and religious facilities may be located in all areas with this designation, subject to appropriate permitting requirements.
Medium Density Residential	14 to 30 units per net acre	This designation is intended for garden apartments and condominiums, townhomes, row houses, 4 to 8 plexes, and older areas that contain a mix of multi-family and single-family homes within this density range. These areas tend to be multi-family in character but retain some of the characteristics of suburban neighborhoods such as landscaped yards, off-street parking, common open space, and low building heights. Densities in areas with this designation range from 14 to 30 units per net acre, but the higher end of this range (e.g. from 22 to 30 units per acre) will only be allowed on properties which have their primary access on an arterial or collector street and which are found to be compatible with the character and intensity of residential development in the immediate area. Additionally, to ensure that land with this designation is used as efficiently as possible, a minimum density standard of 14 units per net acre applies. Other compatible uses, such as schools, childcare centers, parks, and religious facilities may also be located in areas with this designation, subject to appropriate permitting requirements.

Land Use Designation	Housing Capacity	General Uses
High Density Residential	25 to 60 units per net acre	This designation is intended for apartment and condominium complexes that are generally three stories or more. On larger parcels with this designation, common open space and other shared amenities are typically provided. Structured (or basement level/ podium) parking is also common. Densities range from 25 to 60 units per acre, corresponding to site area allowances of 725 to 1,450 square feet of lot area per each dwelling unit. To ensure that land with this designation is used as efficiently as possible, a minimum density standard of 25 units per net acre applies. Other compatible uses, such as schools, childcare centers, parks, and religious facilities may also be located in areas with this designation, subject to appropriate permitting requirements.
Commercial Mixed-Use	30 to 60 units per net acre. FAR of 0.5 to 2.0	This designation supports a combination of office, residential, and retail use, with an emphasis on specialty commercial uses such as antique stores, boutiques, galleries, cafes, and restaurants. Development standards should foster a walkable, pedestrian-oriented character that emphasizes a fine-grained building scale and streetscape. Structures that are entirely residential or entirely commercial are both permitted, but the optimal development form on larger sites would include housing located above ground level retail shops or services. This designation is used in Old Town Newark, where it recognizes the historic scale, lot pattern, and context of this district. Floor area ratios (FARs) are generally in the range of 0.5 to 2.0. The actual intensity of development on any given site is dictated by a number of factors, including height limits, parking and landscaping requirements, and site size and dimensions. Multiple zoning districts apply in this designation, with one zone focused on ground floor retail uses and the other allowing more diverse ground floor uses, such as offices and housing.
Regional Commercial	Greater than 30 units per acre. FAR of 0.2 to 4.0	This designation supports the largest and most complete shopping facilities in the city. The emphasis is on a broad array of goods and services, including department stores, retail shops, restaurants, entertainment facilities, and similar uses which draw patrons from throughout Newark and the surrounding region. This designation is applied to NewPark Mall and some of the commercial areas on the Mall's perimeter. Uses such as hotels and corporate office buildings are acceptable in areas with this designation. Housing at densities greater than 30 units per acre may be included in Regional Commercial areas if such housing is a component of a large-scale planned development which is primarily oriented around regional retail commercial uses. FARs are generally in the range of 0.2 to 4.0. The actual intensity of development on any given site is dictated by a number of factors, including height limits, parking and landscaping requirements, and site size and dimensions.

Source: City of Newark General Plan, 2013

Zoning

The City's zoning and development regulations establish permitted and conditionally permitted uses within each zone and standards which dictate how much development can occur on a given parcel of land such as minimum and maximum densities, height, setbacks, and lot coverage. The City Zoning Ordinance is adopted as Title 17 of the Municipal Code. Title 17, as well as all the other titles that comprise the Newark Municipal Code, are easily accessible on the city's website at www.newark.org.

The current zoning ordinance includes four residential zoning districts (RS Residential Single Family, RL Residential Low Density, RM Residential Medium Density, RH Residential High Density, and two mixed-use/commercial districts that allow for residential development (CMU Commercial Mixed Use, RC Regional Commercial). These "base" zoning districts are supported by combining districts or "overlay" districts, including the Form Based Code Overlay District, Planned Development and Old Town Newark Overlay District (Table 4-2).

As shown in Table 4-1, the current zoning districts which permit multifamily housing provide a base density range of 30-60 DU/A with the exception of the RC zone, which permits higher densities. In practice, projects in Newark such as the Newpark Place Phase 1A have significantly exceeded these base densities.

Development Standards

Residential development standards established in the Zoning Ordinance are designed to provide orderly development of the City and to protect and promote the health, safety, and welfare of local residents and to implement the policies of the General Plan. An analysis of the residential standards, shown in Table 4-2, shows that Newark's development standards (prior to the adoption of the zoning amendment required by Program H3.6) are typical for Bay Area communities and are not a constraint to the development of housing. These standards are intended to balance the need for predictable, orderly development with the need to allow the maximum possible residential density. Through program H2.12, the City will address potential barriers to residential development at all density levels through regular review and if necessary, amend the relevant development standards.

Minimum Lot Area

In the RS district, the vast majority of residential development during the planning period is anticipated to occur through ADUs and SB 9 Urban Lot Splits and Urban Housing Developments. These development types are not required to observe minimum lot size requirements for the underlying zoning district. The minimum lot sizes for the RS district

range from 6,000 to 10,000 square feet depending on the zoning designation which correlates to the development patterns of the surrounding subdivisions. The minimum lot sizes for the RM and RH districts, 6,000 square feet, do not affect the development potential of multi-family developments which allow multiple units to be constructed on a single parcel. The minimum lot size for CMU is 20,000 square feet which could be considered a constraint since many of the CMU parcels abutting Thornton Avenue are less than half an acre which would require lot consolidation in order to facilitate redevelopment. The City will investigate this possible constraint as part of Program H2.12

Setbacks

In the RS district, the vast majority of residential development during the planning period is anticipated to occur through ADUs and SB 9 Urban Lot Splits and Urban Housing Developments. These development types are not required to observe setback requirements for the underlying zoning district. As a program of the Housing Element, a local SB 9 ordinance will be prepared to provide specific development standards for SB 9 projects. A standard residential subdivision in an RS district would not be constrained from achieving maximum density by setback requirements.

As shown in the Table 4-2, front setbacks decrease from 20 feet in RL to 15 feet in RM and RH districts, Street side setbacks decrease from 10 feet in RL to 8 feet, and rear setbacks decrease from 15 feet to 10 feet. CMU and RC districts can be developed to the lot line, but have setbacks imposed if they are adjacent to RS districts or a lot which is developed with a single family residence. The City's setbacks are typical for a community of its size and development patterns and are not considered barriers to achieving maximum density.

Height

Height limitations are intended to allow projects to achieve the maximum allowable density, while also being responsive to community character. In the RS district, the height limit is 30 feet which allows for the construction of typical two-story homes. In the RM and RH districts, heights greater than 35 feet and up to 75 and 100 feet respectively are permitted with a Minor Use Permit, which may be granted at the discretion of the Community Development Director without a public hearing. In practice, these height limits are reasonable to allow the maximum density and range of product types that are typical in these zones. However, the requirement for an MUP may still be a constraint to development, so Program H2.12 includes the objective of removing this barrier. In the RL, RM, and RH districts, the height limits are 35, 75, and 100 feet respectively, which allow for the construction of three-story townhomes up to multi-story apartments or condominiums in the upper range.

Planned and proposed projects included in the Element generally do not reach the maximum allowable heights for their respective zoning districts but still achieve considerable residential densities. The proposed SAHA development, zoned RH, shows that heights are not a barrier in

achieving maximum densities since the project has a height of 60 feet and achieves a density of 105 dwelling units per acre. Waymark Homes, a proposed three-story attached townhome development which is zoned RM, reaches a height of 37 feet and a density of 22 dwelling units per acre, which is the maximum for the district.

The districts that provide the highest densities for residential development also provide for the highest maximum heights, including the RC district which is 250 feet and the CMU district which is 60 feet or 75 feet within the Old Town Newark Specific Plan area. According to an analysis of the CMU zone, currently only one parcel is outside of the Old Town Specific Plan area and is subject to the 60-foot height limit. While few parcels are zoned CMU in Newark, the 60-foot height limit could potentially be a barrier to reaching maximum allowable densities, especially if the City decides to use this zoning in future locations. The City will review this concern (Program H2.12) and provide flexibility as needed to make maximum densities achievable.

In order to be responsive to community character, the City has scaled height restrictions if the parcel is adjacent to a less intensive zone district. However, this restriction only applies to the area of the parcel which is within 20 feet of the less intensive district, including setbacks, therefore it is not considered a barrier to achieving maximum density. As with other development standards described in this section, height limits and any associated city processes will be continually evaluated during the course of the planning period per Program H2.12.

Lot Coverage

Maximum lot coverage standards vary from 50 percent in RS and RL districts to 55% in RM and RH districts. Lot coverage increases in the RM district to 65% for development within the Old Town Specific Plan area. The CMU and RC districts have no maximum standards. These standards are typical in many Bay Area communities and in Newark have not been perceived as a barrier to development and achieving maximum densities.

Parking

Because off-street parking often requires large amounts of land and structured parking is expensive to build, parking requirements are one of the development standards that can most negatively impact the feasibility of new housing development. Compared to many neighboring jurisdictions, Newark currently has somewhat higher parking requirements for most housing types than neighboring jurisdictions. For multifamily housing, Newark has higher requirements for studio and one-bedroom units than Fremont, as well as higher requirements for covered parking. Although Newark and Fremont have the same guest parking requirement of 0.5 spaces per unit, Fremont does not have the same requirements for covered parking, and removes minimum parking requirements entirely in areas near transit. Additionally Newark requires one space per unit to be located in a garage, a requirement that can significantly increase the cost of development.

Senior housing. Although it has been found that seniors do not have the same rates of driving, Newark has higher parking requirements than neighboring Union City and Fremont, at one space per unit.

ADUs. Union City does not list a parking requirement for ADU's, but Newark has a higher parking requirement than Fremont, which has no parking requirements at all for ADU and JADU units.

Because Newark has higher parking requirements for multi-family, senior housing and accessory dwelling units this Housing Element update provides an opportunity for significant changes in parking requirements such as removing parking minimums and aligning requirements to be more in line with neighboring jurisdictions. Although the City complies with State density bonus parking standards upon request, the City's parking requirements can be a potential constraint on the production of housing in some cases. In order to address this constraint, the City will implement Program H3.5 and will commit to developing new, lower parking standards to facilitate residential development, particularly on sites identified for the development of lower-income housing. This will also include a reduction of required guest parking from 0.5 to 0.25 spaces per unit.

Open Space Requirements

Newark has open space square footage requirements per unit in the RL, RM, RH and CMU and RC districts which are 400, 300, 200, 50, and 50 square feet respectively. The required open space is the product of the number of units multiplied by required square footage. Required open space consists of two types: common and private. This is no minimum private open space requirement. Common open space must be a minimum of 50% of the required open space, but may be more, up to 100% of the requirement. Within the Old Town Specific Plan area, the RM district only requires 100 square feet of open space per unit. The open space requirements in the RL and RM districts may be considered high and have the potential to limit densities. Through Program H2.12, the City will review and revise the open space requirements as necessary including adjustments to the minimum area and dimensional requirements, as well as to provide more flexibility for open space types, location, and usability.

Minimum Commercial Component in Mixed Use Zones

Parcels within the CMU zone that have frontages on Newark Blvd. and Thornton Ave. between the Union Pacific Railroad and Olive Street are required to have nonresidential uses that occupy no less than 15% of the gross lot area on their ground floors. Ground non-residential use is also a requirement for all development in the RC district. The intent of this standard is to promote walkable and vibrant mixed-use neighborhoods with a strong sense of place, however the standard is a potential barrier since recent development in Newark has been predominantly residential. Outside of these major commercial corridors, 100% residential projects are permitted.

Table 4-2: Residential Development Standards, Newark 2022

Zoning District	Minimum Lot Area (sq. ft.)	Max Units Per Acre	Minimum Lot Width (ft.)	Minimum/ Maximum Setbacks (ft)	Maximum Main Building Coverage (%)	Maximum Height (ft.)	Required Open Space Per Unit (sq. ft.)
RS	RS-6,000: 6,000; RS-7,000: 7,000; RS-8,000: 8,000; RS-10,000: 10,000	8.7	RS-6,000: 60; RS-7,000: 65; RS-8,000: 70; RS-10,000: 80	Front: 20 Interior Side: 5 Street Side: 10 Rear: 20	50	30	n/a
RL	6,000; 3,000 for Single unit dwelling, detached	11, up to 15 with CUP depending on street classification	60	Front: 20 Interior Side: 5 Street Side: 10 Rear: 15	50	35	400
RM	6,000	22; up to 30 with CUP depending on street classification, 50 within the Old Town Specific Plan area	60	Front: 15 Interior Side: 5 Street Side: 8 Rear: 10	55, 65 within the Old Town Specific Plan area	75 (over 35 requires a MUP), 48 within the Old Town Specific Plan area, 35 within 20 ft. of an RS or RL District	300; 100 within the Old Town Specific Plan area
RH	6,000	60	60	Front: 15 Interior Side: 5 Street Side: 8 Rear: 10	55	100 (over 35 requires a MUP); 35 within 20 ft. of an RS or RL district	200

Zoning District	Minimum Lot Area (sq. ft.)	Max Units Per Acre	Minimum Lot Width (ft.)	Minimum/ Maximum Setbacks (ft)	Maximum Main Building Coverage (%)	Maximum Height (ft.)	Required Open Space Per Unit (sq. ft.)
CMU	20,000	60, 100 within the Old Town Newark Specific Plan area	100	**Front:** 0, max. of 10 **Interior Side:** 0, 20 abutting a RS district or any lot developed with a single family residence **Street Side:** 0, max of 10. **Rear:** 0, 10 abutting a RS district or any lot developed with a single family residence	n/a	60; 75 within the Old Town Specific Plan area; 48 within 20 ft of an RM District boundary, 35 within 20 ft. of an RS or RL District boundary	50
RC	20,000	120	100	Front: 0 Interior Side: 0 Street Side: 0 Rear: 0	n/a	250	50

Source: City of Newark Zoning Ordinance, 2022

An analysis of the residential standards, shown in Table 4-2, indicates that these requirements overall are not a constraint to the development of housing.

Specific Plans

The City has four (4) adopted specific plans which have significantly increased the City's capacity to accommodate new housing development through the coming Housing Element update period and beyond. These plans are expected to guide new housing development during the timeframe of the 2023-2031 Housing Element and are described in more detail below.

Bayside Newark Specific Plan, Adopted July 2021

The Bayside Newark Specific Plan, formerly known as The Dumbarton Transit-Oriented Development (TOD), provides the framework for a proposed new neighborhood that will provide a broad range of new housing, retail and business opportunities in Western Newark, centered around the proposed Dunbarton Commuter Rail station.

This project area includes 233 acres of land that has contained various industrial, manufacturing, chemical processing and salt production facilities since the early twentieth century. The plan steers the development of a contemporary version of a pedestrian oriented neighborhood where housing, recreation, neighborhood retail center and employment opportunities are integrated and connected via pedestrian and bicycle networks. The community would include shops, parks and open space amenities, including a bayside trail. Approximately 8% of the area is designated as low density residential, 33% for medium density residential, 29% for medium/high residential, and 2% for high density residential.

In the proposed design, higher densities of residential development-such as condos-would be located within a quarter-mile radius of the transit station, medium densities-such as townhomes-are located slightly further, and single family dwellings are located farthest from the station. Retail stores and shops are concentrated near the transit station at the intersection of Willow Street and Enterprise Blvd. Higher density housing would be adjacent to the retail area and the transit station. Neighborhood parks would be located within the residential areas and a larger community park would be included. Blocks are generally short and pedestrian-oriented. The street circulation network of streets will have one travel lane in each direction and will utilize traffic calming measures such as bike lanes in both directions, on street parking, and single lane roundabouts with the goal of prioritizing active transportation. The plan has a unit cap of 2,500.

Old Town Specific Plan, Adopted September 2021

The Old Town Specific Plan addresses a 76-acre area which encompasses Thornton Avenue spanning seven blocks from Elm Street to Cherry Street, and residential parcels north and south of the commercial corridor. The plan seeks to develop this corridor into a mixed-use area that accommodates a range of housing types, retail and service businesses, expanded public spaces, and mobility improvement. The Old Town Specific Plan does not allow single unit dwellings,

requires densities between 30 and 100 dwelling units per acre, and height maximums of up 75 feet (48 feet within 20 feet of a RM district and 35 feet within 20 feet of an RS or RL district). The plan also requires ground floor retail commercial uses on projects that front Newark Boulevard and Thornton Avenue between The Union Pacific Railroad Tracks and Olive Street.

Through zoning amendments, streetscape improvements, and public and private investments, the plan envisions Old Town Newark as a revitalized mixed-use neighborhood with a strong sense of place, thriving retail and commercial businesses, a range of housing choices for existing and future residents, a streetscape that prioritizes bicyclists and pedestrians, and public spaces. The plan's grand visions are matched by clear realistic steps for implementation of long-standing goals for revitalization and provide steps to maintain the existing housing stock and avoid displacement of existing residents and businesses.

NewPark Place Specific Plan

The NewPark Place Specific Plan (Plan), adopted in 2018 and implemented as revised in 2021, provides a comprehensive planning and development implementation strategy for a 125-acre area in the southeastern portion of the city adjacent to I-880 which includes the existing NewPark Mall retail center (mall), the parking facilities that surround it, and commercial uses on the perimeter of the center.

The Plan's vision is to transform the Greater NewPark Mall area into a vibrant urban place through thoughtful land use design, which includes mixed-income residential areas, retail and dining opportunities, community venues, a movie theater, inviting pedestrian-oriented streets and public spaces, and enhanced sidewalks, bicycle lanes, and transit facilities. Creating a premier Bay Area and local destination will re-power the regional retail uses within the mall itself as a vital economic engine for the city. Higher-density multifamily housing across types and affordability levels will comprise the predominant land use type in this reconfigured and revitalized area.

The Plan includes guidance in the form of plans, policies, development standards, and design guidelines and serves as an extension of the general plan making it both a policy and regulatory document. To achieve the development vision for the Greater NewPark Mall area, the Plan contains a framework that is flexible in land use types, development standards, and design guidelines. In collaboration with the city, the developer project sponsor will work within this framework to deliver project designs and programs with desired uses, development form, mobility improvements, and public amenities that create a unique "sense of place".

The plan is anticipated to build out over an approximate 20-year timeframe, with a total capacity of 1,519 multifamily residential units. The Mixed Use I area (where Phases A through D are located and highlighted in this Element) is expected to redevelop first based on the expressed interest of the property owner/developer. Diverse affordable housing will be an important component of the overall unit mix in the plan area, with at minimum 6 percent of units being affordable to very-low income households, 3 percent to low-income households and 3 percent to moderate-income households per City Council Resolution 10,184.

The plan calls for building heights between 30 and 200 feet, with a preferred minimum of 60 feet. The residential densities must be within a minimum of 60 dwelling units to the acre and a maximum of 160 dwelling units per acre, which can be accommodated within the overall plan development area under the Specific Plan's development standards. Building heights are currently constrained by the lack of adequate emergency response infrastructure Newark and the surrounding communities to safely respond to emergencies on high rise buildings. Because of this, the current plan shows densities on the lower edge of the spectrum.

Southwest Newark Residential and Recreational Project (Area 3 and 4 Specific Plan)

This is the largest area proposed for future development in Newark, comprising 856 acres in the area bordered by Mowry Avenue on the west, Stevenson Boulevard on the east, Cherry Street on the north, and Mowry Slough on the south. The Union Pacific Railroad bisects the area. Most of the land is vacant, although the area near the end of Mowry Avenue includes an auto-dismantling yard. The remainder of this area has been disked and graded for agricultural use since the early 1900s.

A Specific Plan was adopted in 2010 and 2015 (Newark Specific Plan - Area 3 and 4 of the General Plan). The Plan calls for the development of housing, a major recreational facility such as an 18-hole golf course, and the dedication of conservation open space on some of the low-lying areas south of the railroad tracks. Areas 3 and 4 contain sub areas where development would be focused.

Area 3, Sub Area B has been developed with 386 single-family residential units; construction was substantially complete by early 2021. This sub area, on land facing Cherry Street just east of Ohlone College, has been developed with a three acre community park, as well as a possible future elementary school on a six acre parcel.

A residential project within Area 3, Sub Area C and Area 4, Sub Area B was approved by City Council in November 2019. This project would include 469 detached single-family homes, open space, new utility infrastructure, and roadways, including a new connecting roadway at the existing terminus of Stevenson Boulevard to the project area. A substantial number of homes are expected to be constructed within the period of the Housing Element.

The City is currently considering a development application for 203 detached single-family homes within Area 4, Sub Area D on a parcel which contain an automobile dismantling yard with retail sales. Entitlements have not been granted as of the publication of the Housing Element.

Once the proposed project within Area 4, Sub Area D has been considered and a final decision has been made, the city may take action to retire the plan in a manner consistent with applicable laws and conforming to previously adopted agreements and approved entitlements.

Zoning for a Diversity of Housing Types

Housing Element Law (Government Code Section 65583(c) (1) and 65583.2(c)) requires that local governments analyze the availability of sites that will "facilitate and encourage the development of a variety of types of housing for all income levels, including multifamily rental housing, factory-built housing, mobile homes, housing for agricultural employees, supportive housing, single-room occupancy units (SROs), emergency shelters, and transitional housing." This section discusses relevant regulations that govern the development of the types of housing listed above as required by Government Code Section 65583(a) (3). Table 4-3 summarizes the permitted housing types by zone.

Table 4-3: Housing Types Permitted by Zone, Newark 2022

Land Use	RS	RL	RM	RH	CMU	RC
Accessory Dwelling Units	Permitted	Permitted	Permitted	Permitted	Permitted	Permitted
Single-Unit, Detached	Permitted	Permitted	Permitted	Permitted	-	-
Single-Unit, Attached	-	Permitted	Permitted	Permitted	Permitted[11]	-
Two-Unit Dwelling	-	Permitted	Permitted	Permitted		-
Multi-Unit Development	-	Permitted	Permitted	Permitted	Permitted[12]	Conditional Use Permit Required[19]
Manufactured/Mobile Home	-	-	-	-	-	-
Employee Housing (6 or fewer persons)	-	-	-	-	-	-
Residential Care Facilities (6 or fewer persons)	Permitted	Permitted	Permitted	Permitted	Permitted	-
Residential Care Facilities (7 or more persons)	-	Minor Use Permit Required	Minor Use Permit Required	Minor Use Permit Required	-	-
Family Day Care (Group Residential)	-	-	Minor Use Permit Required	Minor Use Permit Required	Minor Use Permit Required	-
Family Day Care (Large)	Minor Use Permit Required	Minor Use Permit Required	Minor Use Permit Required	Minor Use Permit Required	-	-
Family Day Care (Small)	Permitted	Permitted	Permitted	Permitted	Permitted	-

[11] Single-Unit Dwelling, Attached uses are not permitted in the Old Town Newark Specific Plan area. Residential uses are not allowed on the ground floor along Newark Boulevard frontage and Thornton Avenue frontage, between the Union Pacific Railroad tracks and Olive Street.
[12] Not allowed on the ground floor. Residential units shall be intended to support retail commercial uses of the project.

Land Use	RS	RL	RM	RH	CMU	RC
Single-Room Occupancy Units	-	-	-	Conditional Use Permit Required	Conditional Use Permit Required	-
Emergency Shelters	-	-	Minor Permit Required	Permitted	–	-
Supportive Housing	Permitted	Permitted	Permitted	Permitted		-
Transitional Housing	Permitted	Permitted	Permitted	Permitted		-

Source: City of Newark Zoning Ordinance, 2022

Multifamily Housing

As shown in Table 4-3, multifamily housing is permitted throughout the City of Newark in all RL, RM, RH and CMU zones. Multifamily housing is also permitted in RC zones with a conditional use permit.

Manufactured Housing and Mobile Homes

State law limits the extent to which cities and counties can regulate the installation of manufactured homes, including mobile homes. Government Code Section 65852.3 requires that cities allow installation of certified manufactured homes on foundation systems on lots zoned for conventional single-family residences. This section and Government Code Section 65852.4 generally require that manufactured homes be subject to the same land use regulations as conventional homes. Government Code Section 65852.7 deems mobile home parks to be a permitted use in all areas planned and zoned for residential use. The City of Newark permits manufactured and factory-built housing in designated residential zoning districts. Because of the high cost of land, manufactured housing is not commonly placed on private property, except perhaps as caretaker residences within industrial districts. There are currently no mobile home parks or manufactured housing in Newark. Pursuant to State law, any site that can be developed for site-built residential development is also available for the development of factory-built (manufactured) housing or for mobile homes. There are no specific restrictions upon the development of manufactured housing or mobile home parks within the Newark Municipal Code or General Plan.

Housing for Farmworkers

The provisions of Section 17020 (et seq.) of the California Health and Safety Code relating to employee housing and labor camps supersede any ordinance or regulations enacted by local governments. Such housing is allowed in all jurisdictions in California pursuant to the regulations set forth in Section 17020. Section 17021.5(b) states, for example:

"Any employee housing providing accommodations for six or fewer employees shall be deemed a single-family structure with a residential land use designation for the purposes of this section. For the purpose of all local ordinances, employee housing shall not be included within the definition of a boarding house, rooming house, hotel, dormitory, or other similar term that implies that the employee housing is a business run for profit or differs in any other way from a family dwelling. No conditional use permit, zoning variance, or other zoning clearance shall be required of employee housing that serves six or fewer employees that is not required of a family dwelling of the same type in the same zone."

Section 17021.6, concerning farmworker housing, states that:

"No conditional use permit, zoning variance, or other zoning clearance shall be required of this employee housing [consisting of no more than 36 beds in a group quarters or 12 units] that is not required of any other agricultural activity in the same zone."

Emergency Shelters, Transitional Housing, and Supportive Housing

Emergency Shelters

The California Health and Safety Code (Section 50801[e]) defines an emergency shelter as "housing with minimal supportive services for homeless persons that is limited to occupancy of six months or less by a homeless person. No individual or household may be denied emergency shelter because of an inability to pay."

Pursuant to State housing law (California Government Code Sections 65582, 65583, and 65589.5), jurisdictions must identify at least one zone where emergency shelters are allowed as a permitted use without a conditional use permit or other discretionary permit. The identified zone must have sufficient capacity to accommodate the shelter need, and at a minimum provide capacity for at least one year-round shelter. Permit processing, development standards, and management standards for emergency shelters must be objective and facilitate the development of, or conversion to, emergency shelters. Emergency shelters "may only be subject to those development and management standards that apply to residential or commercial development within the same zone" along with a list of exceptions that may be made.

Assembly Bill 139, passed in 2019, revised State housing element law by requiring that emergency shelters only be required to provide sufficient parking to accommodate all staff working in the emergency shelter, provided that the standards do not require more parking for emergency shelters than other residential or commercial uses within the same zone.

Emergency shelters are permitted by right in the Residential High Density, Public Facility, Transit Station, and Park zones and with a Minor Use Permit in the Residential Medium Density zone.

In Newark emergency shelters are subject to the following development standards:

- Location. Emergency shelters shall be located at least three hundred feet from another emergency shelter.
- Number of Residents. No more than fifty clients may be present on the premises at any one time.
- Length of Occupancy. Occupancy by an individual or family may not exceed sixty days. Extensions up to a total stay of one hundred eighty days may be provided if no alternative housing is available, upon determination by the director.
- Common Area. The shelter shall provide at least ten square feet per bed of public or communal gathering space, exclusive of hallways.
- Parking Reduction. The director may reduce the number of on-site parking spaces required by Section 17.23.040, Required Parking Spaces, where a shelter is located on a bus route, or other evidence is provided to indicate that less parking will be needed. The shelter shall, however, provide at least one space for each staff member who will be on duty when residents are present, and at least one space for residents.
- Lighting and Illumination. The shelter shall provide outdoor lighting sufficient to provide illumination and clear visibility to all outdoor areas, with minimal shadows or light leaving

the property. The lighting shall be stationary, directed away from adjacent properties and public rights-of-way, and of intensity compatible with the neighborhood.

- Outdoor Activities. All functions associated with the shelter, except for children's play areas, outdoor recreation areas, and parking shall take place within the building proposed to house the shelter. There shall be no space for clients to congregate in front of the building, and there shall be no outdoor public telephones.
- Designated Smoking Area. The shelter shall provide a designated smoking area, preferably outside, that is not visible from public rights-of-way.
- Noise. The use shall be conducted in conformance with the noise standards set forth for multifamily housing in the noise element of the general plan.
- Supervision. On-site management shall be provided any time that clients are present at the shelter.
- Management and Security Plan. The operator of the shelter shall submit a management and security plan for approval by the director. The plan shall address issues identified by the director, including emergencies, transportation, client supervision, security, client services, staffing, and good neighbor issues.

Newark's standards for emergency shelter facilities comply with the allowances made for standards set forth under Government Code Section 65583(a)(4)(A). The shelter size of 50 beds provides sufficient space for the identified need and flexibility for parking requirements show that the current zoning is not a constraint for development.

Zoning for Emergency Shelters

As described in Chapter 2, Needs Assessment, the 2022 point-in-time count identified 32 unsheltered homeless individuals in Newark, a reduction from the 2019 estimate of 89 people. As described above, emergency shelters are permitted by right in the Residential High Density, Public Facility, Transit Station, and Park zones. In Newark, there are many parcels owned by the City that are zoned as Public Facility and Park and one site that is zoned as Residential High Density. Collectively, the sites in these zones could be developed with shelter beds needed to accommodate the 2022 demand and reported in the 2022 Point In Time count. Below are some of the sites that could be developed with an emergency shelter.

Table 4-4: Potential Sites for Emergency Shelters in Newark, 2022

APN	Description	Total Acreage	Estimated developable Acreage
92A-1045-13-11	Civic Center Park	5 acres	3.1 acres
92A-1036-11-1	Civic Center, Old Library Site	5.1 acres	0.75 acres
92-150-12-3; 92-150-15-1	Ash Street Park, Senior Center and adjacent site	1.4 acres	1.1 acres
92-148-14-1	Ash Street Park, Former Head Start Site	0.69 acres	0.5 acres
Total		12.19 acres	5.45 acres

Source: City of Newark, 2023

In 2023, Newark initiated a facilities master plan effort to assess all city-owned buildings, including the buildings listed in Table 4-4. The facilities master plan will provide an assessment of each building and the costs to either maintain, improve, or replace each building. Existing and new uses will be considered as part of this effort. The master plan is expected to be completed in 2024.

All of the sites identified in Table 4-4 are centrally located, close to bus routes, community centers and other services that support those experiencing homelessness with access to food and community organizations providing supportive resources.

None of these sites have existing structures intended to be used as shelters. Any shelters to be constructed on these sites will be appropriate for human habitability, consistent with the Minimum Habitability Standards for Shelter and Housing Policy published by HCD's Emergency Solutions Grant Program.

Transitional and Supportive Housing

Transitional housing is designed to assist homeless individuals and families in moving beyond emergency shelter and into permanent housing by helping people develop independent living skills through the provision of supportive services. Permanent supportive housing is housing that is linked to services that assist residents in maintaining housing, improving health, and maximizing ability to live and work in the community.

Pursuant to Government Code Section 65583 and Section 65651, transitional and supportive housing types are required to be treated as residential uses and subject only to those restrictions that apply to other residential uses of the same type in the same zone. Furthermore, per recent changes in State law (AB 2162), the City must also allow 100 percent affordable projects by right where multi-family and mixed-use development is permitted if the project includes 25 percent, or 12 units of, supportive housing.

The Zoning Ordinance allows supportive and transitional housing in all residential districts and in

all zones that allow multifamily and mixed-use development including nonresidential zones, per Government Code Sections 65583 and 65650. No additional parking is required beyond what is required for the residential housing type. While parking requirements can be a constraint, program **H3.5 Parking Standards Update** will address parking to encourage housing development.

Employee Housing

Consistent with Health and Safety Code Sections 17021.5 and 17021.6, employee housing is permitted by right in every residential zone, including single family zones.

Low Barrier Navigation Centers

Assembly Bill 101, passed in 2019, requires that a low barrier navigation center be a use permitted by right in mixed-use zones and nonresidential zones permitting multifamily uses if it meets specified requirements. AB 101 defines "low barrier navigation center" as a housing first, low-barrier, service-enriched shelter focused on moving people into permanent housing that provides temporary living facilities while case managers connect individuals experiencing homelessness to income, public benefits, health services, shelter, and housing.

For a navigation center to be considered "low barrier", its operation should incorporate best practices to reduce barriers to entry, which may include, but is not limited to, the following:

- Permitting the presence of partners if it is not a population-specific site, such as for survivors of domestic violence or sexual assault, women, or youth
- Pets
- Ability to store possessions
- Providing privacy, such as private rooms or partitions around beds in a dormitory setting or in larger rooms with multiple beds

Accessory Dwelling Units

An accessory dwelling unit (ADU) is an additional self-contained living unit, either attached to or detached from the primary residential unit on a single lot, also referred to as a secondary dwelling unit. The unit is required to include cooking, sleeping, full sanitation facilities, and separate, exterior entrance. ADUs are an important source of affordable housing since they can be constructed relatively cheaply and have no associated land costs. They can also provide supplemental income to the homeowner, allowing them to remain in their homes or moderate-income families to afford houses.

Recognizing that ADUs are part of the solution for addressing the statewide affordable housing shortage, California lawmakers have passed several bills in recent years to facilitate the development of ADUs. To encourage establishment of ADUs, State law requires cities and counties to either adopt an ordinance based on standards set out in the law authorizing ADUs in residentially-zoned areas, or where no ordinance has been adopted, to allow ADUs on lots zoned for single family or multifamily use that contain an existing single-family unit subject to ministerial approval ("by right") if they meet standards set out by law.

In Newark, ADUs are permitted within all single family, multifamily, and mixed-use residential districts. JADUs are a specific type of ADU that is no more than 500 square feet and built entirely within an existing single-unit or duplex dwelling residence. ADUs and JADUs are subject to the following criteria:

- On lots with an existing or proposed single-family dwelling, one ADU and up to one JADU is allowed per parcel. An ADU can be either attached or detached to the primary residence but JADUs must be constructed entirely within the walls of an existing primary residence.
- ADUs may be allowed within existing portions of a multifamily or mixed-use development that are not used as livable space. At least one attached ADU or up to two detached ADUs may be provided per lot.
- ADUs must be between 150 and 1,000 square feet in floor area. Each unit shall, at minimum, include a full bathroom including shower and/or bathtub, a sleeping area, permanent cooking facilities, and a separate, exterior entrance.
- The total lot coverage for all buildings shall not exceed the allowable lot coverage for the zoning district except that such a ratio shall not prohibit an 800 square foot ADU meeting the maximum height and minimum setback requirements.
- ADUs and JADUs may not be sold separately from the primary residence but may be rented separately. ADUs and JADUs may not be used for short-term rentals (less than 30 days).
- For properties with JADUs, the primary residence must be owner-occupied, but the owner may reside in either the JADU or the primary residence. This owner-occupancy requirement does not apply to primary residences owned by a public agency, land trust, or non-profit housing organization.

- Studio ADUs shall not be required to provide parking. Any number of bedrooms require one parking space with limited exceptions such as within a half mile of public transit. When an existing garage, carport or covered parking structure is demolished in conjunction with the construction of an ADU or converted into an ADU, the parking spaces shall not be required to be replaced.

- The ADU must meet specified objective design standards related to building facades and materials, windows and glazing, roof form and detailing, and entryway features. ADUs are prohibited from having exterior stairways or balconies.

The City will comply with state law until the updated existing Accessory Dwelling unit ordinance is in compliance with state law. Newark will make further amendments to the ordinance, as necessary, to remain consistent with State law and reflect local needs. The parking requirement for an ADU with one bedroom or more, can be a constraint on development. **Program H2.2** works to develop tools to support uptake of accessory dwelling units production in Newark and make changes in parking requirements, in collaboration with Alameda County.

Single-Room Occupancy Units

Extremely low-income households typically comprise persons with very low incomes and special

housing needs, including, but not limited to, seniors, people with disabilities, and at risk of homelessness. AB 2634 (Lieber 2006) requires the quantification and analysis of existing and projected housing needs of extremely low-income households. Housing Elements must also identify zoning to encourage and facilitate supportive housing and single-room occupancy units.

Single-room occupancy (SRO) units can provide affordable private housing for lower-income individuals, seniors, low-income working people,and persons with disabilities. An SRO unit is usually small, between 200 to 350 square feet. These units can also serve as an entry point into the housing market for formerly homeless people. The current Zoning Code provisions for SROs limit the potential for SROs in Newark through the requirement of a conditional use permit. The required parking of 0.5 spaces per unit is not seen as a constraint and is comparable to neighboring jurisdictions. The Housing Element includes a program to define SROs as a separate use, expand the zones where SROs are permitted by right, and ensure development standards, including parking, facilitate the development of SROs. Through community engagement, we heard there is a housing need for housing for small households. **Program H2.10** expands the zones where single room occupancy is permitted by right, and prioritizes development along transit routes to support access to employment and other services.

Senate Bill 9 Subdivisions

Senate Bill 9 (SB 9) became effective January 1, 2022. The bill mandates local jurisdictions to ministerially approved two unit developments and urban lot splits within a single-family residential zone, without discretionary review or hearing, if the proposed development meets certain requirements. For SB 9 developments, the City may apply objective zoning, subdivision, and design standards. Include reference to policy for bringing the city in compliance with SB (included in Plan below).

Constraints on Development for People with Disabilities

Residential Care Facilities and Other Zoning Provisions for Persons with Disabilities

Small Community Care Facilities

Health and Safety Code Sections 1267.8, 1566.3, and 1568.08 require local governments to treat licensed group homes and residential care facilities with six or fewer residents no differently than other by-right single-family housing uses. “Six or fewer persons” does not include the operator, the operator’s family, or persons employed as staff. Local agencies must allow these licensed residential care facilities in any area zoned for residential use and may not require licensed residential care facilities for six or fewer persons to obtain conditional use permits or variances that are not required of other family dwellings. In Newark, these facilities are permitted in all residential zoning districts and the CMU zone.

Large Community Care Facilities

Due to the unique characteristics of large community care facilities (serving more than six

persons), most jurisdictions require a use permit to ensure neighborhood compatibility in the siting of these facilities. In Newark, large community care facilities are permitted with a minor use permit in all residential zoning districts.

Currently, unless specifically allowed pursuant to a Use Permit approval, residential care facilities serving seven or more persons shall be located on a lot with frontage on an arterial and at least 300 feet from any other residential care facility, day care center, or large family day care home serving seven or more persons. The Housing Element includes program H4.10, an implementation program to permit community care facilities for more than six persons as a permitted use in all zones where other residential uses are permitted subject to the same requirements of other residential uses of the same type in the same zone.

Reasonable Accommodation

State and Federal laws prohibit housing discrimination against persons with disabilities in land use practices and decisions, such as applying special requirements that limit the ability of disabled individuals to live in the residence of their choice. Both the Federal Fair Housing Act and the California Fair Employment and Housing Act direct local governments to make reasonable accommodations (i.e., modifications or exceptions) in their zoning laws and other land use regulations when such accommodations may be necessary to afford persons with disabilities an equal opportunity to use and enjoy a dwelling. For example, it may be reasonable to accommodate requests from persons with disabilities to waive a setback requirement or other standard of the Zoning Ordinance to ensure that homes are accessible for the mobility impaired. Whether a particular modification is reasonable depends on the circumstances.

The City adopted an ordinance in 2016 establishing the process for allowing flexibility within the zoning code for reasonable accommodation of access for the disabled.

The ordinance includes:

- Clear rules, policies, and procedures to promote equal access to housing and comply with fair housing and disability laws including but not limited to identifying who may request a reasonable accommodation (i.e., persons with disabilities, family members, landlords, etc.) timeframes for decision-making, and provisions for flexibility in the various land-use, zoning, or building regulations that may otherwise constrain housing for persons with disabilities. Chapter 17.37 of the City's Zoning Ordinance outlines the process for requesting a waiver to any zoning regulation to allow improvements to an existing building in order to provide reasonable accommodations for persons with disabilities.
- Regularly monitoring the implementation of the jurisdiction's ordinances, codes, policies, and procedures to ensure they comply with the "reasonable accommodation" for disabled provisions and fair housing laws.
- Reduced parking requirements for projects serving seniors and persons with disabilities (The Zoning Ordinance was revised in 2018 reducing parking requirements to 0.5 spaces per unit, inclusive of guest parking).

The applicable findings for reasonable accommodation requests are provided in NMC 17.37 (Waivers):

A. The waiver is necessary due to the physical characteristics of the property and the proposed use or structure or other circumstances, including, but not limited to, topography, noise exposure, irregular property boundaries, or other unusual circumstance.
B. There are no alternatives to the requested waiver that could provide an equivalent level of benefit to the applicant with less potential detriment to surrounding owners and occupants or to the general public.
C. The granting of the requested waiver would not be detrimental to the health or safety of the public or the occupants of the property or result in a change in land use or density that would be inconsistent with the requirements of this title.
D. If the waiver requested is to provide reasonable accommodation pursuant to state or federal law, in addition to any other findings that this chapter requires, the decision-maker must also make the following findings:
    a. That the housing or other property which is the subject of the request for reasonable accommodation will be used by an individual or organization entitled to protection;
    b. If the request for accommodation is to provide fair access to housing, that the request for accommodation is necessary to make specific housing available to an individual protected under state or federal law;
    c. That the conditions imposed, if any, are necessary to further a compelling public interest and represent the least restrictive means of furthering that interest; and
    d. That denial of the requested minor exception or waiver would impose a substantial burden on religious exercise or would conflict with any state or federal statute requiring reasonable accommodation to provide access to housing.

Overall, the findings are not atypical for California jurisdictions that impose findings for reasonable accommodation projects and are generally consistent with State law.

Definition of Family

There are a number of State and Federal rules that govern the definition of family, including the Federal Fair Housing Amendments Act of 1988, the California Fair Housing and Employment Act, the California Supreme Court case City of Santa Barbara v. Adamson (1980), and the California Constitution privacy clauses. The laws for families have a few primary purposes: to protect people with disabilities, to protect non-traditional families, and to protect privacy. According to HCD and Mental Housing Advocacy Services there are three major points to consider when writing a definition of family:

- Jurisdictions may not distinguish between related and unrelated individuals.
- The definition may not impose a numerical limit on the number of persons in a family.
- Land use restrictions for licensed group homes for six or fewer individuals must be the same as those for single families.

The Newark Municipal Code defines "Family" as follows:

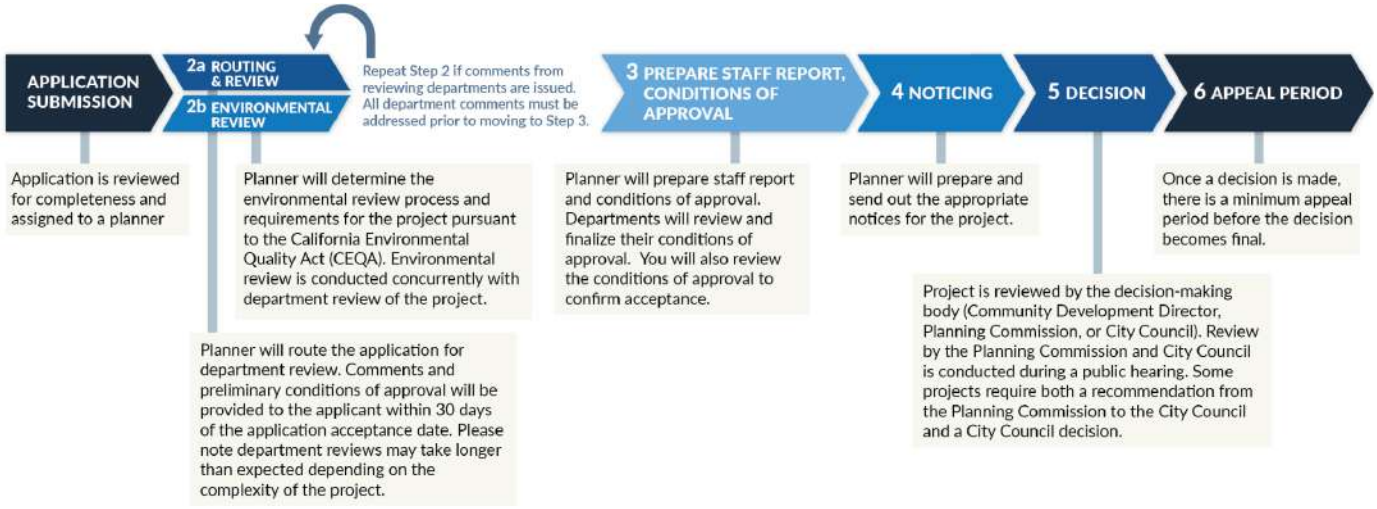
"One or more persons living together in a single dwelling unit, with common access to, and common use of, all living and eating areas and all areas and facilities for the preparation and storage of food; who share living expenses, including rent or mortgage payments, food costs and utilities, and who maintain a single mortgage, lease, or rental agreement for all members of the household."

This definition is consistent with the best practices for a definition of "Family" and does not add any new government constraints.

Site Development Review

Government policies and ordinances regulating development affect the availability and cost of new housing. Land use controls have the greatest direct impact, but development approval procedures, permit fees, building code requirements, and the permit processing time can affect housing costs as well. This section addresses the relationship of development fees, processes, and standards to the production of housing.

Figure 4-1: Development Review Process



The development review process illustrated above is generally consistent across the city's zone districts and planning application types. The municipal code provides the "Level of Review Authority" for various application types:

Table 4-5: Level of Review Authority, Selected Decision Types

Type of Decision	Advisory Body	Decision Maker	Appeal Body
Minor Use Permit	N/A	Community Development Director	Planning Commission
Conditional Use Permit	Community Development Director	Planning Commission	City Council
Variance	Community Development Director	Planning Commission	City Council
Amendments	Planning Commission	City Council	Superior Court
Planned Development Districts	Planning Commission	City Council	Superior Court
Design Review	N/A	Community Development Director or Planning Commission	Planning Commission or City Council

Discretionary Findings and Criteria

As provided in the municipal code, planning applications for city review and decisions that are not "ministerial" (such as building permits) include findings for approval that must be made in the affirmative in order for the Decision Maker to approve a project. The following are the applicable findings and criteria for discretionary applications in Newark:

Minor Use Permit for a Temporary Use (NMC 17.26.260):

A. The proposed use will not unreasonably affect adjacent properties, their owners and occupants, or the surrounding neighborhood, and will not in any other way constitute a nuisance or be detrimental to the health, safety, peace, comfort, or general welfare of persons residing or working in the area of such use or to the general welfare of the city; and
B. The proposed use will not unreasonably interfere with pedestrian or vehicular traffic or circulation in the area surrounding the proposed use, and will not create a demand for additional parking that cannot be safely and efficiently accommodated by existing parking areas.

Conditional Use Permit (NMC 17.35.060):

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title and all other titles of the Municipal Code;
B. The proposed use is consistent with the general plan and any applicable specific plan;
C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements;
D. Tax revenue generated by the development will exceed the city's cost of the service

demand as a result of the development or a compelling community benefit will be provided.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title;
F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity; and
G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

Variance (NMC 17.36.040):

A. There are exceptional or extraordinary circumstances or conditions applicable to the property involved that do not apply generally to property in the vicinity and identical zoning district, and that the granting of a variance will not constitute a granting of a special privilege inconsistent with the limitations on the property in the vicinity and identical zone district;
B. The granting of the application is necessary to prevent a physical hardship which is not of the applicant's own actions or the actions of a predecessor in interest;
C. The granting of the application will not be detrimental or injurious to property or improvements in the vicinity, and will not be detrimental to the public health, safety, general welfare or convenience; and
D. The granting of the variance will be consistent with the general purposes and objectives of this title, any applicable specific plans, and of the general plan.

Amendments (Zoning Map and Text, NMC 17.39.080):

A. The amendment is consistent with the general plan;
B. Any change in district boundaries is necessary to achieve the balance of land uses desired by the city, consistent with the general plan, and to increase the inventory of land within a given zoning district; and
C. The amendment will promote the growth of the city in an orderly manner and to promote and protect the public health, safety, peace, comfort and general welfare.

Planned Development Districts (NMC 17.12.060):

A. The proposed development is consistent with the general plan and any applicable specific plan, including the density and intensity limitations that apply;
B. Adequate transportation facilities and public services exist or will be provided in accord with the conditions of development plan approval, to serve the proposed development; and the approval of the proposed development will not result in a reduction of traffic levels of service or public services so as to be a detriment to public health, safety, or welfare;
C. The proposed development will not have a substantial adverse effect on surrounding land uses and will be compatible with the existing and planned land use character of the surrounding area;

D. The development generally complies with applicable adopted design guidelines; and
E. The proposed development is demonstratively superior to the development that could occur under the standards applicable to the underlying base district, and will achieve superior community design, environmental preservation and/or substantial public benefit.

Design Review (NMC 17.34.060):

A. The overall design of the project including its scale, massing, site plan, exterior design, and landscaping will enhance the appearance and features of the project site and surrounding natural and built environment.
B. The project design is appropriate to the function of the project and will provide an attractive and comfortable environment for occupants, visitors, and the general community.
C. Project details, materials, signage and landscaping, are internally consistent, fully integrated with one another, and used in a manner that is visually consistent with the proposed architectural design.
D. The design of streetscapes, including street trees, lighting, and pedestrian furniture, is consistent with the intended character of the area.
E. Parking areas are designed and developed to buffer surrounding land uses; compliment pedestrian-oriented development; enhance the environmental quality of the site, including minimizing stormwater run-off and the heat-island effect; and achieve a safe, efficient, and harmonious development.
F. Lighting and lighting fixtures are designed to complement buildings, be of appropriate scale, provide adequate light over walkways and parking areas to create a sense of pedestrian safety, and avoid creating glare.
G. Landscaping is designed to be compatible with and enhance the architectural character and features of the buildings on site, and help relate the building to the surrounding landscape.

Overall, the findings provided above are not atypical for California jurisdictions that impose findings and criteria for discretionary projects and are generally consistent with State law.

Conditional Use Permit Finding D, *"Tax revenue generated by the development will exceed the city's cost of the service demand as a result of the development or a compelling community benefit will be provided."* is somewhat unique in that the city seeks to offset city costs associated with new commercial uses with increased tax revenue. This finding is typically applicable to projects and new uses that are not subject to Development Impact Fees. This does not generally apply to new residential projects, in that Housing Impact Fees or construction of new affordable units offset the costs associated with this development.

As described below, the city is undertaking an effort to create objective design standards that provide certainty and clarity in terms of design review, and that would be consistent with State laws and requirements that limit a jurisdictions ability to enforce design standards that may be interpreted as discretionary.

Objective Design Standards

The City currently relies on a combination of objective and subjective design standards and guidelines to review and regulate the design of most housing projects. However, the State of California continues to enact new laws that require streamlined housing approval by establishing a by-right, ministerial approval process for multifamily residential development. Key to ministerial approval is the replacement of subjective design guidelines with objective standards.

The intent of Objective Design Standards is to provide applicants and developers with a clear understanding of the City's expectations for mixed-use and multi-family residential project design. Objective design standards are written as requirements, rather than guidelines; therefore, all mixed- use and multi-family residential projects applying under Housing Accountability Act (HAA) protections shall comply with each standard. Importantly, objective design standards regulate site and structure design only. Projects must also comply with all applicable building permit requirements, zoning code requirements, and development standards such as height, setbacks, lot coverage, etc.

To accommodate the requirements of State law, the City is developing a thorough set of objective design standards to govern the development of multi-family housing, including certain mixed-use projects. The City anticipates adoption of the new Objective Design Standards in 2025 per Program H3.2.

The objective design review standards supplement the objective development standards (e.g. height limit, lot coverage, setback, etc.) defined in each zoning district. In combination, the two sets of standards (design and development) provide for a streamlined and efficient project review process by ensuring that applicants know and understand the city's requirements and ensuring that the project review and approval process is objective, efficient, and consistent.

Permit Processing Times

The minimum amount of time for processing permits is established by requirements for environmental review, public notice, and by the meetings of the Planning Commission and City Council. While there is little room for processing permits any faster than the City already does, the current practice of automatic review of some Planning Commission permit decisions by the City Council does add several weeks to the total permit processing time. Ultimately, the maximum amount of time for processing residential development permits is set by State law (California Government Code 65920 et. seq.). Some of the average times have increased due to infill complexity and extra notification of State requirements.

Table 4-6 summarizes the average time required to process development permits. The processing time needed to obtain development permits and required approvals varies depending on the scope of the project. Smaller projects typically require less time than larger projects. The City strives to keep its permit procedures streamlined and processing times minimal.

The amount of time between the completion of the review and the issuance of a Building Permit is

determined by the speed at which the applicant is able to make any necessary corrections to the Construction Drawings and resubmit for approval and Building Permit.

Table 4-6: Average Permit Processing Time, Newark, 2022

Permit Process	Decision Type	Level of Review	Permit Types	Timeframe
Accessory Dwelling Unit Process	Ministerial (by-right) Discretionary	Staff Staff	Building permits for projects that comply with applicable building, zoning, and development regulations Single Family Design Review permits for projects involving a second story addition for an ADU that is taller than 16 feet	1 to 3 months 2 to 5 months
Ministerial By-Right	Ministerial (by-right)	Staff	Building permits for projects that comply with applicable building, zoning, and development regulations; parcel maps; and lot line adjustments	2 to 5 months
Discretionary By-Right	Discretionary	Staff	Includes design review permits, minor use permits, and sign permits	3 to 5 months
Discretionary (Hearing officer if Applicable)	Discretionary	Hearing officer	Includes variances, certain site development permits, and certain conditional use permits. Site development permits are required when development is proposed on Environmentally Sensitive Lands and for large multifamily developments on consolidated lots. Conditional use permits are required when development is proposed that is subject to supplemental conditions identified in the Municipal Code	4 to 9 months
Discretionary (Planning Commission)	Discretionary	Planning Commission	Includes certain minor use permits, conditional use permits, variances, and certain design review permits	6 to 9 months
Discretionary (City Council)	Discretionary	Planning Commission Recommendation and City Council approval	Includes tentative maps, condominium conversion maps, easement vacations, public right-of-way vacations, rezoning, land use plan and specific plan amendments, and planned development permits. Planned development permits are not required for residential development but are an option for large residential developments to allow greater flexibility than standard zoning.	9 to 18 months

Source: City of Newark, 2022

Senate Bill 35

Senate Bill (SB) 35, passed in 2017, requires jurisdictions that have not approved enough housing units to meet their RHNA to provide a streamlined, ministerial entitlement process for housing developments that incorporate affordable housing. In order for applicants to take advantage of SB 35, per Government Code Section 65913.4 (10)(b)(1)(a)(et seq.) they need to submit a Notice of Intent and jurisdictions need to give Native American tribes an opportunity for consultation.

The City processes SB 35 applications consistent with Senate Bill 35. The City will also establish a written policy or procedure and other guidance as appropriate to specify the Senate Bill (SB) 35 streamlining approval process and standards for eligible projects, as set forth under California Government Code Section 65913.4. The City has included Program H3.1 to prepare and publish administrative procedures for the processing of housing developments eligible for streamlined review pursuant to SB 35.

Senate Bill 330

Senate Bill 330 (SB 330), Housing Crisis Act of 2019, prohibits cities and counties from enacting a development policy, standard, or condition that would impose or enforce design standards that are not objective design standards on or after January 1, 2020 [Government Code Section 663300 (b)(C)]. The bill also established specific requirements and limitations on development application procedures.

The City of Newark permitting process is consistent with Senate Bill 330, the Housing Crisis Act of 2019. Consistent with SB 330, housing developments for which a preliminary application is submitted that complies with applicable General Plan and zoning standards are subject only to the development standards and fees that were applicable at the time of submittal. This applies to all projects unless the project square footage or unit count changes by more than 20 percent after the preliminary application is submitted.

Submittal of a SB 330 preliminary application allows a developer to provide a specific subset of information on the proposed housing development before providing the full amount of information required by the local government for a housing development application. Submittal of the preliminary application secures the applicable development standards and fees adopted at that time. The project is considered vested, and all fees and standards are frozen, unless the project changes substantially. The City has an SB 330 preliminary application form.

Permit Fees and Exactions

Housing construction imposes short- and long-term costs on communities. Short-term costs include the cost of providing planning services and inspections. New residential developments can also result in significant long-term costs relating to the maintenance and improvement of infrastructure, facilities, parks, and streets. To offset these community costs, jurisdictions collect various fees from developers.

This model is comparable to surrounding jurisdictions, such as Fremont, Union City, Hayward. Fees depend on the complexity of the project. Example of fees. Table 4-7 shows planning fees commonly required for development based on level of review. Newark's planning fees are comparable to surrounding jurisdictions and do not present a constraint to the construction of housing.

Table 4-7: Permit Fees, Newark, Fiscal Year 2022-2023

Planning Fee Schedule	
Application Type	**Fee/ Cost**
Preliminary Review	
Preliminary Review	$800 per review, first and second reviews; $900 for subsequent reviews
Preliminary Review for new single-family unit or second story addition to single-family unit, and administrative use permits	No fee.
Site Development Review	
Administrative Site Development Review a. Small Residential Projects (e.g. single detached accessory structure or balcony)	$100
Large Residential Projects (e.g. second-story additions, multiple accessory structures)	$1,500
Commercial/Industrial Projects	$1,500
Use Permit	
Minor Use Permit	$100
Conditional Use Permit, Residential	$2,600
Subdivision	
Tentative Parcel Map	$2,000 + $60 per lot
Tentative Tract Map (including condominiums)	$3,500 + $75 per lot
Variance	
Variance, Residential	$1,400
Amendments	
Zoning Text Amendment	$4,300
Zoning Map Amendment	$4,300
General Plan Amendment	$,300
Specific Plan Amendment	$4,300
Extensions	

Planning Fee Schedule	
Application Type	**Fee/ Cost**
Discretionary Permits/Variances	$800
Environmental Review	
CEQA Exemption	$400
Negative Declaration, (ND)	$1,800
Negative Declaration, Mitigated (MND)	$1,800
Environmental Impact Report (EIR)	Deposit
Other	
Planned Unit Development	$3,200

Source: City of Newark, 2023

Development Impact Fees

The City also collects impact fees to cover the costs of providing the necessary services and infrastructure related to new development projects. Since the passage of Proposition 13 in 1978, local governments in California have come to rely increasingly on impact and connection fees to finance infrastructure. Newark charges several fees on residential development at the building permit stage, as shown in Table 4-7. The estimated City development impact fees for a single family four-bedroom, two-bathroom house of 2,600 square feet are approximately $77,629. There are significant cost savings for multifamily residential development, as development impact fees are estimated at $36,724 per unit of a hypothetical 10-unit multi-family development (averaging 850 square feet per unit), and $35,052 per unit of a 100-unit multi-family development (averaging 750 square feet per unit).

Table 4-8: Residential Development Impact Fees, Newark, Fiscal Year 2022-2023

Fee	Cost	Estimated Fees		
		Single Family Unit	Small Multi-Family (per unit)	Large Multi-Family (per unit)
Citywide Development Fees (Community Development Department)				
Parks		$28,185	$20,293	$20,293
Public Safety		$3,891	$2,335	$2,335
Community Service/Facilities		$2,606	$1,303	$1,303
Transportation		$5,607	$3,476	$3,476

Fee	Cost	Estimated Fees		
		Single Family Unit	Small Multi-Family (per unit)	Large Multi-Family (per unit)
Housing		$37,070	$9,047	$7,375
Art in Public Spaces		$270	$270	$270

Source: City of Newark, 2022

Total Estimated Fees

Newark recently prepared estimates of total fees of example projects to assess total estimated fees (Planning, Building, and Impact fees). The example projects include development of one single-family residence, a small multi-family project of 10-units on one building and a 100-unit project on two acres of land. The result of the estimates are:

- Single Family: $124,246
- Multi-family large: $4,344,915 for a 100-unit project on two acres, or $43,449 per unit
- Multi-family small: $604,453 for a 10-unit project in one building, or $60,445.35 per unit

The estimate indicates that it is significantly less expensive in terms of city fees for multifamily development as compared to single-family development.

When the City implements Program H2.1, H2.8, H2.10 and H4.10, the City will ensure that fees for Missing Middle and SRO housing types will be set at levels in line with current permit and impact fees for multifamily.

City fees associated with development and described above are easily accessible on the city's website: www.newark.org.

Available Infrastructure

With all sites identified for planned housing development already served by utilities, and requirements in place for infrastructure improvements for all new development, infrastructure does not pose a constraint on development of those sites within the eight-year planning period.

On- and Off-Site Improvements

The City requires certain public improvements for residential subdivisions. In 1977 the City adopted these standards to ensure that minimum levels of design and construction quality are maintained and adequate levels of street and facility improvements are provided.

Title 16.16 of the Municipal Code describes the public improvements that must be agreed to prior to acceptance and approval of the final subdivision map, as follows:

- Grading and surfacing of all streets, public ways and bicycle paths within the subdivision

that lie between the boundary of the subdivision and the centerline of proposed or existing streets, public ways, and bicycle paths fronting, backing or siding to the subdivision;
- Providing such domestic water supply and fire hydrants as may be necessary for fire protection and protection of the public health;
- Providing such storm drain and flood control works as necessary for the public convenience and safety;
- Providing a sanitary sewer system and connection to an existing sewage disposal system;
- Constructing curb, gutter, sidewalk, tie-in paving, and replacement of inadequate existing pavement on streets where the subdivision adjoins existing streets;
- Constructing other structures necessary to the use of streets, highways, bicycle paths, public ways and the drainage thereof;
- Providing for street name signs and their installation;
- Providing for the cost of street trees and their planting and one-year maintenance on streets, bicycle paths and public ways;
- Providing underground utilities as follows:
    - All existing overhead utility distribution facilities (including but not limited to electric, communication, and cable television lines) within the subdivision that lie between the boundary of the subdivision and the centerline of proposed or existing streets fronting, backing or siding the subdivision shall be undergrounded,
    - All on-site and off-site utility distribution facilities (including but not limited to electric, communication, and cable television lines) to be installed shall be placed underground, except as follows: Equipment appurtenant to underground facilities such as surface-mounted transformers, pedestal-mounted terminal boxes and meter cabinets, and concealed ducts; Metal poles supporting street lights.
    - The city council may grant variances for the provision of underground utilities in certain circumstances.
- Providing street light facilities on all streets, paths, and other pedestrian or vehicular ways proposed for development. The subdivider shall make all necessary arrangements with the utility company and pay all costs for providing underground service;
- Construction of the improvement across any storm drain channel, Hetch-Hetchy right-of-way or other public facility adjacent to the subdivision.

The City's on- and off-site development standards have been in place since 1977, and do not represent a constraint to the development of housing. In addition to public improvement standards, the Municipal Code has specific standards for residential streets and parking as described below.

Residential Streets

The City of Newark Subdivision Ordinance Chapter 12.04 requires standard improvements for streets. These requirements were originally adopted in 1963. Depending on the type of project, it enforces standard improvements including street paving, curbs, gutters, and sidewalks. All required improvements must be constructed and installed in accordance with City specifications and design. As a primarily built-out community, most new development in the city does not require

building out new streets. These requirements are similar to other jurisdictions and do not represent a constraint to the development of housing.

The City has not received feedback to date that offsite requirements in Newark, whether imposed by the City or other agencies/utilities, are extraordinary or onerous. As an example, the off-site improvements for Site 7 (Timber Senior Housing) include approximately $2 million for paving, concrete work, signage, landscaping, irrigation, furnishings,and planters. Off-site dry and wet utility costs are approximately $1 million. These costs represent approximately 4% of the total project cost of almost $70 million (not including land acquisition).

Water and Wastewater

Housing Element housing opportunity sites listed in this Housing Element (see Appendix C) are already served by utilities, with existing infrastructure in place. The Alameda County Water District (ACWD) and the Union Sanitary District (USD) are the sole providers of potable and reclaimed water, and wastewater conveyance and treatment, in Newark. ACWD and USD has current and planned capacity to accommodate the RHNA for water and wastewater. ACWD and USD have provided water assessments for a number of the sites and has determined that adequate water supplies exist to accommodate Newark's current and projected water needs, including the RHNA. Solid waste, recycling, and organics collection are managed through a franchise agreement with Republic Services.

To minimize infiltration of ground water into the sewer system and provide modern, efficient utilities and services, new development proposals in Newark typically replace or upgrade the on-site sewer, storm drain, and water lines following the guidance and requirements of ACWD and USD. Each project is evaluated on a case-by-case basis to determine the extent of replacements and upgrades. Therefore it is difficult to assess a water and wastewater replacement/upgrade cost factor across the city. However, as mentioned earlier, housing element sites are located in areas already served by water and wastewater utilities, so the installation of new service lines is typically not a cost factor.

Priority for Water and Sewer

Per Chapter 727, Statues of 2004 (SB 1087), upon completion of an amended or adopted Housing Element, a local government is responsible for immediately distributing a copy of the element to area water and sewer providers. In addition, water and sewer providers must grant priority for service allocations to proposed developments that include housing units affordable to lower-income households. Chapter 727 was enacted to improve the effectiveness of the law in facilitating housing development for lower-income families and workers.

To comply with SB 1087, upon adoption, the City of Newark will immediately forward its adopted Housing Element to ACWD and USD its water and wastewater providers to grant priority for service allocations to proposed developments that include units affordable to lower- income households.

Available Dry Utilities

Dry utilities, including electricity and telephone service, are available to all areas within the City.

Pacific Gas & Electric (PG&E) serves Newark for electrical service. Newark customers may also consider East Bay Community Energy (EBCE) for electrical service. In 2018, the County of Alameda and 11 of its cities launched EBCE as a not-for-profit public agency that governs this Community Choice Energy service. The Joint Power Agency expanded in 2021. The cities currently served are: Albany, Berkeley, Dublin, Emeryville, Fremont, Hayward, Livermore, Newark, Oakland, Piedmont, Pleasanton, San Leandro, Tracy, and Union City. EBCE offers a competitive, reliable energy service provider alternative to the Newark community. Similar to the discussion above, new development proposals in Newark are generally required to typically replace or upgrade the electrical service following the guidance and requirements of PG&E. Each project is evaluated on a case-by-case basis to determine the extent of replacements and upgrades. Therefore it is difficult to assess dry utilities cost factor across the city. However, as mentioned earlier, housing element sites are located in areas already served by dry utilities, so the installation of new service lines is typically not a cost factor.

Opportunities for Energy Conservation

The City of Newark has adopted a wide range of policies and programs to facilitate energy efficiency in residential development. Taken as a whole, the City's policies and programs form a comprehensive approach to energy efficiency in residential development.

Parking

Because off-street parking often requires large amounts of land, parking requirements are one of the development standards that can most negatively impact housing development. The cost of land associated with parking, in addition to the costs of construction, paving, and maintenance, drive up the overall cost of development, requiring more funds to assist in the development of affordable housing. Parking standards in some jurisdictions have been arbitrarily established and do not necessarily represent the needs of the people living in the developments. This is especially true for senior and affordable housing developments where occupants are less likely to require more than one parking space.

The city of Newark overall has higher parking requirements than neighboring jurisdictions, Union City and Fremont. For multifamily housing, Newark has higher requirements for studio and one bedroom units than Fremont, as well as higher requirements for covered parking. Although Newark and Fremont have the same guest requirements of 0 .5 spaces per unit, Fremont does not have the same requirements for covered parking. One space per unit must be in a garage in Newark in comparison to Fremont, a requirement that can significantly increase the cost of development. Union City has the lowest guest parking requirement of 0 .25 spaces for multi family housing.

Although it has been found that seniors do not have the same rates of driving, Newark has the highest parking requirements of all three cities for senior housing, at one space per unit.

Union City does not list a parking requirement for ADU's, but Newark has a higher parking requirement than Fremont, which has no parking requirements at all for ADU and JADU units.

Because Newark has higher parking requirements for multi-family, senior housing and accessory dwelling units, there is opportunity for significant changes in parking requirements such as removing parking minimums and aligning requirements to be more in line with neighboring jurisdictions, responsive to construction costs and the lack of substantial off street parking for seniors. Although the City complies with State density bonus parking standards upon request, the City's parking requirements can be a hindrance on the production of housing. In response, the city will conduct a parking study **Program H3.5**, to develop new parking standards to align with neighboring jurisdictions.

Table 4-9: Off-Street Parking Requirements, Newark, 2021

Residential Use	Required Units	Covered Parking Requirement
Single-Unit Dwelling, Attached or Detached	2 per unit	Must be within a garage
Two-Unit Dwelling	1.5 per studio or one-bedroom unit. 2 per unit with two or more bedrooms. 1 Guest space per unit	One space per unit must be within a garage
Multi-Unit Building	1.5 per studio or one-bedroom unit. 2 per unit with two or more bedrooms. Guest parking: .5 space per unit. Projects located outside a radius of 100 feet of RS and RL districts, or separated by an arterial street from single family homes, or with driveway aprons, or located within a Specific Plan shall require 1 space plus .25 per unit Old Town Specific Plan Area: Minimum of 1.25 per unit; maximum of 2 per unit. No additional guest parking required.	Ten or fewer dwelling units: One space per unit must be within a garage More than ten dwelling units: One space per unit must be covered Guest parking shall be clearly marked as reserved for guests and available with unrestricted access
Accessory Dwelling Unit	No off street parking required for studio units, 1 off street parking space required per unit regardless of number of bedrooms. Off street parking requirement is waived if within a half mile of a transit stop, and other instances. To see the entire list see municipal code section 17.26.040.C.8.	
Supportive Housing	None beyond what is required for the Residential Housing Type	
Transitional Housing	None beyond what is required for the Residential Housing Type	

Residential Use	Required Units	Covered Parking Requirement
Senior Housing	1 per unit, plus .25 per unit for guest parking	
Residential Care Facility (7 or more persons)	1 for every 3 beds	
Residential Care Facilities (Less than 7 persons)	None beyond what is required for the Residential Housing Type	
Family Day Care (Small)	None beyond what is required for the Residential Housing Type	
Family Day Care (Large)	1 for each nonresident employee plus an area for loading and unloading children plus parking required for the residential use	
Group Residential	1 for each employee plus 1 for each guest room or every two beds, whichever is greater Old Town Specific Plan Area: 0.25 per bedroom	
Single Room Occupancy Units	0.5 per unit	
Emergency Shelter	1 per family room, 0.35 per individual bed, plus 1 for each employee	

Source: City of Newark, 2022

State density bonus law (Government Code Section 65915) imposes statewide parking standards that a jurisdiction must grant upon request from a developer of an affordable housing project that qualifies for a density bonus. The parking standards are summarized in Table 4-9. When local parking requirements are higher, the statewide parking standards supersede the local requirements. The developer may request these parking standards even if they do not request the density bonus. These numbers are the total number of parking spaces including guest parking and accessible parking.

Open Space Requirements

The City has a policy in the General Plan that sets parkland standards. For multifamily housing, the open space requirement ranges from 100 square feet per unit for RM in the Old Town District, to 200 square feet per unit in RH, 300 square feet per unit in RM, and 400 square feet per unit in RL. Open space requirements in the mixed-use and commercial districts where housing is allowed (CMU and RC) are at 50 square feet per unit. Overall, these standards are the same or lower than the requirements of Newark's closest neighbors. These standards are typical of many jurisdictions in the Bay Area and would not significantly reduce the affordability of multifamily housing units. Further, the City has not received developer feedback that its open space requirements are excessive or a barrier to feasibility.

Density Bonus Regulations

State law (California Government Code, section 65915-65918) requires cities and counties to approve density bonuses for housing developments that contain specified percentages of affordable housing units or units restricted to occupancy by seniors. A density bonus is the allocation of development rights that allows a parcel to accommodate additional square footage or additional residential units beyond the maximum for which the parcel is zoned. Projects that qualify for a density bonus are also eligible for reduced parking standards and additional concessions, or incentives. Upon the developer's request the City must also allow the parking standards shown above in Table 4-6. The legislature has made frequent changes to State density bonus law over the years, including AB 1763, which significantly increased density bonus provisions for 100 percent affordable projects.

Building Codes and Enforcement

Building codes and their enforcement influence the style, quality, size, and costs of residential development. Such codes can increase the cost of housing and impact the feasibility of rehabilitating older properties that must be upgraded to current code standards. In this manner building codes and their enforcement can act as a constraint on the supply of housing and its affordability.

Building and housing codes establish minimum standards and specifications for structural soundness, safety, and occupancy. State housing law requires cities and counties to adopt minimum housing standards based on model industry codes. In addition to meeting the requirements of State housing law, local governments enforce other State requirements for fire safety, noise insulation, soils reports, earthquake protection, energy conservation, and access for people with physical disabilities. The enforcement of building and housing codes for all homes is per the minimum standards and requirements set forth in the codes listed in the City's building code. Standards for rehabilitation are no more rigorous than those contained in the California Health and Safety Codes and Uniform Building Codes.

On October 13, 2022, the City Council approved Ordinance No. 539, repealing and replacing certain chapters of Title 15 (Buildings and Construction) to adopt by reference, with modifications to address local conditions, the 2022 editions of the California Building Standards Code (CBSC) and related codes. Ordinance No. 539 includes local amendments to the California Administrative Code, California Building Code, California Plumbing Code, California Electrical Code, California Residential Code, California Mechanical Code, and California Fire Code. The adopted Title 15 including local amendments is provided on the city's website, www.newark.org. The local amendments adopted with Ordinance No. 539 do not increase requirements above standards. Generally, the local amendments provide clarifications and consistency with other sections of the Newark Municipal Code. The city does not have a REACH code. In addition, local amendments were made to provide consistency with fire protection, alarms, and detection system requirements of the Alameda County Fire Department, the agency that provides contract fire

protection services in Newark.

Building codes and their enforcement can increase the cost of housing and impact the feasibility of rehabilitating older properties that must be upgraded to existing code standards. In this way building codes and their enforcement can act as a constraint on the amount of housing and its affordability. However, the codes enforced by Newark are similar to other cities in the region and are necessary to promote the minimum standards of safety and accessibility to housing. Therefore, the codes are not considered to be an undue constraint on housing investment or development.

In some cases, energy conservation requirements may increase construction costs and, therefore, the initial sales prices and cost of rent. However, these increased costs are often offset by the long-term reductions in the utility's component of housing operation costs. Accessibility modifications may also increase initial sales prices and rents but will help address the housing needs of the elderly and people with disabilities.

Code Enforcement

The Building Division is responsible for enforcing both state and City regulations governing maintenance of all buildings and property. The Community Development Department is responsible for code enforcement activities through the Community Preservation Division. The purpose of code enforcement of housing in need of rehabilitation is to ensure the safety of the City's residents; without basic living standards being met, life and safety are threatened. The city does have a code enforcement division to address health and safety concerns in the community. Currently, the City operates on a complaint-based system to respond to code enforcement needs. The Community Preservation Division will respond to complaints and investigate violations to ensure compliance with the City's Municipal Code. In 2021, the city expanded the number of full-time employees by hiring a code enforcement manager to oversee existing efforts and create proactive code enforcement services, which would include the rental inspection and landlord registration program identified in Program H1.2.

State of California, Article 34

Article 34 of the State Constitution requires local jurisdictions to obtain voter approval for specified "low rent" housing projects that involve certain types of public agency participation. Generally, a project is subject to Article 34 if more than 49 percent of its units will be rented to low-income persons. If a project is subject to Article 34, it will require an approval from the local electorate. This can constrain the production of affordable housing, since the process to seek ballot approval for affordable housing projects can be costly and time consuming, with no guarantee of success.

Local jurisdictions typically place a measure or referendum on the local ballot that seeks authority to develop a certain number of low-income units during a given period of time. If the electorate approves general parameters for certain types of affordable housing development, the local

jurisdiction will be able to move more quickly in response to housing opportunities that fall within those parameters.

B. Non-Governmental Constraints

The availability and cost of housing is strongly influenced by market forces over which local governments have little or no control. Nonetheless, State law requires that housing elements contain a general assessment of these constraints, which can serve as the basis for actions to offset their effects. This section describes primary non-governmental constraints to the development of new housing in Newark.

Availability of Financing

The availability of financing is a critical factor that can influence the cost and supply of housing. There are generally two types of financing used in the housing market: (1) capital used for initial site preparation and construction; and (2) capital used to finance the purchase of units by homeowners and investors. Financing is largely impacted by interest rates. Small fluctuations in interest rates can dramatically influence the ability to qualify for a loan. Mortgage interest rates have a large influence over the affordability of housing. Higher interest rates increase a homebuyer's monthly payment and decrease the range of housing that a household can afford. Lower interest rates result in a lower cost and lower monthly payments for the homebuyer.

Because interest rates are determined by national policies and economic conditions, there is little that local governments can do to affect these rates. Jurisdictions can, however, offer interest rate write-downs to extend home purchase opportunities to lower-income households. In addition, government-insured loan programs may be available to reduce mortgage down-payment requirements.

The cost of borrowing money to finance the construction of housing or to purchase a house affects the amount of affordably priced housing in Newark. Lower initial rates are available with graduated payment mortgages, adjustable rate mortgages, and buy-down mortgages. Variable interest rate mortgages on affordable homes may increase to the point where the interest rate exceeds the cost of living adjustments, which is a constraint on affordability. Although rates are currently low, they can change significantly and substantially impact the affordability of housing stock. Fluctuating interest rates can eliminate many potential homebuyers from the housing market or render a housing project infeasible that could have been successfully developed or marketed at lower interest rates. Housing prices in Newark are unaffordable for lower-, moderate-, and even some above moderate- income households, even with the lower interest rates. The primary constraint on homeownership in Newark is not the availability of financing, but the cost of housing, of which is unaffordable to many households.

Financing for both construction and long-term mortgages is generally available in Alameda County subject to normal underwriting standards, though rates have increased markedly throughout 2022. A more critical impediment to homeownership involves both the affordability of the housing stock and the ability of potential buyers to fulfill down payment requirements. Conventional home loans typically require 5 to 20 percent of the sales price as a down payment, which is the largest

constraint to first-time homebuyers. This indicates a need for flexible loan programs and a method to bridge the gap between the down payment and a potential homeowner's available funds. The availability of financing for developers under current economic conditions may also pose a constraint on development outside of the City's control.

According to the Alameda Board of Realtors, there is no evidence of "redlining" of any Alameda neighborhood by the financial community. The City provides Community Development Block Grant (CDBG) funding for counseling for individual clients regarding fair housing rights and responsibilities and to disseminate education and information materials. Households receive intensive counseling, and legal and/or agency referral for cases involving discrimination against families, racial or religious minorities, and individuals with disabilities.

Land Costs

As with most built out Bay Area communities, the high cost of land is a constraint to the production of affordable housing in Newark. There are very few vacant parcels zoned for residential development left in the city and it is rare for vacant residential land to be listed for sale.

Based on a review of land for sale in Fremont, Union City, and Hayward, land prices for land zoned to accommodate multifamily projects range from $5M to $15M per acre depending on locational amenities, density, and other factors. In addition to market sales prices, there can be other costs associated with the acquisition of land including the cost of holding the property throughout the development process. Developers in Newark also face added expenses associated with the demolition and removal of existing structures or remediation of contaminated soil.

Construction Costs

In addition to the high cost of land, construction costs can also act as a constraint to the production of new housing, particularly in the Bay Area. The cost of construction depends primarily on the cost of materials and labor, which are influenced by market demand. The cost of construction will also depend on the type of unit being built and on the quality of product being produced. The cost of labor is based on a number of factors, including housing demand, the number of contractors in the area, and the unionization of workers. The construction cost of housing affects the affordability of new housing and may be considered a constraint to affordable housing in Alameda County and throughout the Bay Area.

Both material and labor costs have increased substantially in recent years. Supply chain issues during the Covid-19 pandemic are partly responsible for recent material cost increases, and a shortage in the construction labor market is adding significantly to the cost of producing housing.

According to a 2020 report by the Terner Center, hard construction costs for multifamily projects in California rose by 25 percent over the course of a decade, from an average of $177 per square foot in 2008-2009 to $222 per square foot in 2018. Cost increases were even greater in the Bay Area, increasing by 119 percent and reaching more than $380 per square foot in 2018.

Construction costs vary widely according to the type of development. According to the Terner Center report, Type I projects, which are typically over 5-7 stories and constructed with steel and concrete, cost an average of $65 more per square foot than other types of construction, like Type V (i.e., wood frame floors over a concrete platform). Type I projects are more likely to be found in infill locations where zoning allows higher density construction.

Affordable housing projects also cost more on average than market-rate and mixed-affordability projects. The 2020 Terner Center report found that affordable projects cost $48 more per square foot on average compared to market-rate and mixed affordability projects. Some of the added costs for affordable housing are because many affordable housing developers are required to pay "prevailing wages."

A reduction in construction costs can be brought about in several ways. A reduction in amenities and quality of building materials in new homes (still above the minimum acceptability for health, safety, and adequate performance) may result in lower sales prices. State housing law provides that local building departments can authorize the use of materials and construction methods if the proposed design is found to be satisfactory and the materials or methods are at least equivalent to that prescribed by the applicable building codes.

In addition, prefabricated, factory-built housing may provide lower-priced products by reducing labor and material costs. As the number of units built at one time increases, savings in construction costs over the entire development are generally realized as a result of an economy of scale, particularly when combined with density bonus provisions.

C. Environmental Constraints

Environmental issues affect the amount, location, and timing of new residential development in Newark. Sites in Newark are susceptible to a variety of environmental constraints including sea level rise and flooding, seismic hazards, sensitive ecological areas, and hazardous materials.

Geologic Hazards

Geologic Hazards are associated with earthquakes that can bring about risks such as ground shaking, landslides and tsunamis. Newark sits two miles west of the Hayward fault, and due to this proximity, ground shaking levels would be higher in the southern and western portions of the city. Ground shaking is measured on a scale ranging from I to X (the Modified Mercalli Scale) with shaking levels ranging from imperceptible to very violent. Most of the developed portions of Newark would experience "very strong" ground shaking (level VIII) in a 6.7 Hayward Fault earthquake, but some parts of the city would experience "violent" ground shaking (level IX).

The city has a sandy loam soil type that is prone to liquefaction. The city of Newark could experience seismic shaking levels with the potential to cause liquefaction in areas where groundwater is generally shallower than 30 feet. Based on data provided by the California

Geological Survey, the entire city is considered a liquefaction hazard zone.

Flooding and Sea Level Rise Due to Climate Change

Flooding can have devastating effects on property and residents and impact water quality in Newark housing element housing opportunity sites in Newark may be affected by flooding and sea-level rise. Newark falls within both 100 and 500 year flood zones as well as being affected by sea level rise. The 100 year flood zone covers areas 3 and 4 as well as a number of sites in the Bayside Newark specific plan area. The 500 year flood plain is found further into established residential areas of the city.

The area with the most vulnerability to sea level rise will be in the southern portion of the city, adjacent to the San Francisco Bay. Sea level rise not only affects housing, but other infrastructure such as roads, water and sewer infrastructure.

The City's Municipal Code sets standards to minimize flood hazard risks, including anchoring and flood-proofing and a requirement that the lowest floor, including basements, is at or above the 100-year flood elevation. Development within the 100-year flood zone is limited, with requirements for building at least 1 foot above the flood elevation. The City requires non-residential development to be elevated at least 8 feet above mean high tide and 11.25 feet for residential development

Hazardous Materials

Hazardous materials regulations, which are codified in Titles 8, 22, and 26 of the California Code of Regulations (CCR), and their enabling legislation set forth in Chapter 6.95 of the California Health and Safety Code, were established at the state level to ensure compliance with federal regulations to reduce the risk to human health and the environment from the routine use of hazardous substances. These regulations must be implemented, as appropriate, and are monitored by the state (e.g., Cal OSHA in the workplace or the DTSC for hazardous waste) and/or local jurisdictions.

As with many infill urban locations, many of the housing element housing opportunity sites in Newark are on former industrial or commercial properties. These properties typically have environmental issues related to the prior use. The city of Newark has a high number of existing sites with hazardous materials, a legacy of their industrial land use.

Despite their historical use, all of the housing element sites are either already remediated of their hazardous materials and ready for residential use or are in the process of being remediated of hazardous materials to allow for residential use pursuant to approved plans by the appropriate regulatory agency.

Sensitive Ecological Areas

The southwest portion of Newark contains a number of riparian areas, transitional areas between the water and land that support periodic flooding and habitat. They are typically vegetated with lush growths of grasses, shrubs, and trees that are tolerant of periodic flooding and have sediments that are rich in nutrients and organic matter. Riparian areas are found in Site 2, Sanctuary West, also referred to as specific planning area 3 and 4.

SECTION 5 HOUSING RESOURCES

Key resources in Newark to address housing needs include housing sites (see Appendix C below), financial resources, administrative resources and non-profit resources. In addition to a robust inventory of sites available for housing development during the Housing Element planning period, the City is also implementing an ambitious affordable housing work plan[13] which includes the provision of regular financial assistance to nonprofit sponsors of affordable housing through a regular "Notice of Funding Availability" (NOFA) process. Leveraging the City's affordable housing impact fee fund, the City will continue to deploy substantial financial resources to support affordable housing production during the planning period. In addition, the City will implement policies to streamline affordable housing approvals and continue to partner with developers of affordable housing as detailed in the following section, Housing Plan.

A. Available Sites For Housing

The most important resource for meeting Newark's future housing needs is a sufficient supply of land zoned for housing and with supportive infrastructure and pro-housing policies and programs. As shown in Appendix C, the City has developed a robust inventory of sites to accommodate its 6th cycle RHNA of 1,874. Combining planned and proposed projects that are already in the development pipeline with vacant and non-vacant sites that are zoned for housing and already permit housing to be developed without additional changes to the Zoning code, the sites in Appendix C have the potential to accommodate 2,854 units, representing over 150 percent of the City's RHNA. This includes sites to accommodate all of the City's lower-income housing needs for the 6yh cycle in addition to a significant buffer.

Sites included in the City's 6th cycle inventory are described in detail in Appendix C and displayed below in Figure 5-1.

The sites selected for this Housing Element have also been selected to achieve the following major policy objectives:

Access to Opportunity: The sites work to expand access to opportunity by siting 46 percent of affordable units in areas identified as high opportunity by the Tax Credit Allocation Committee.

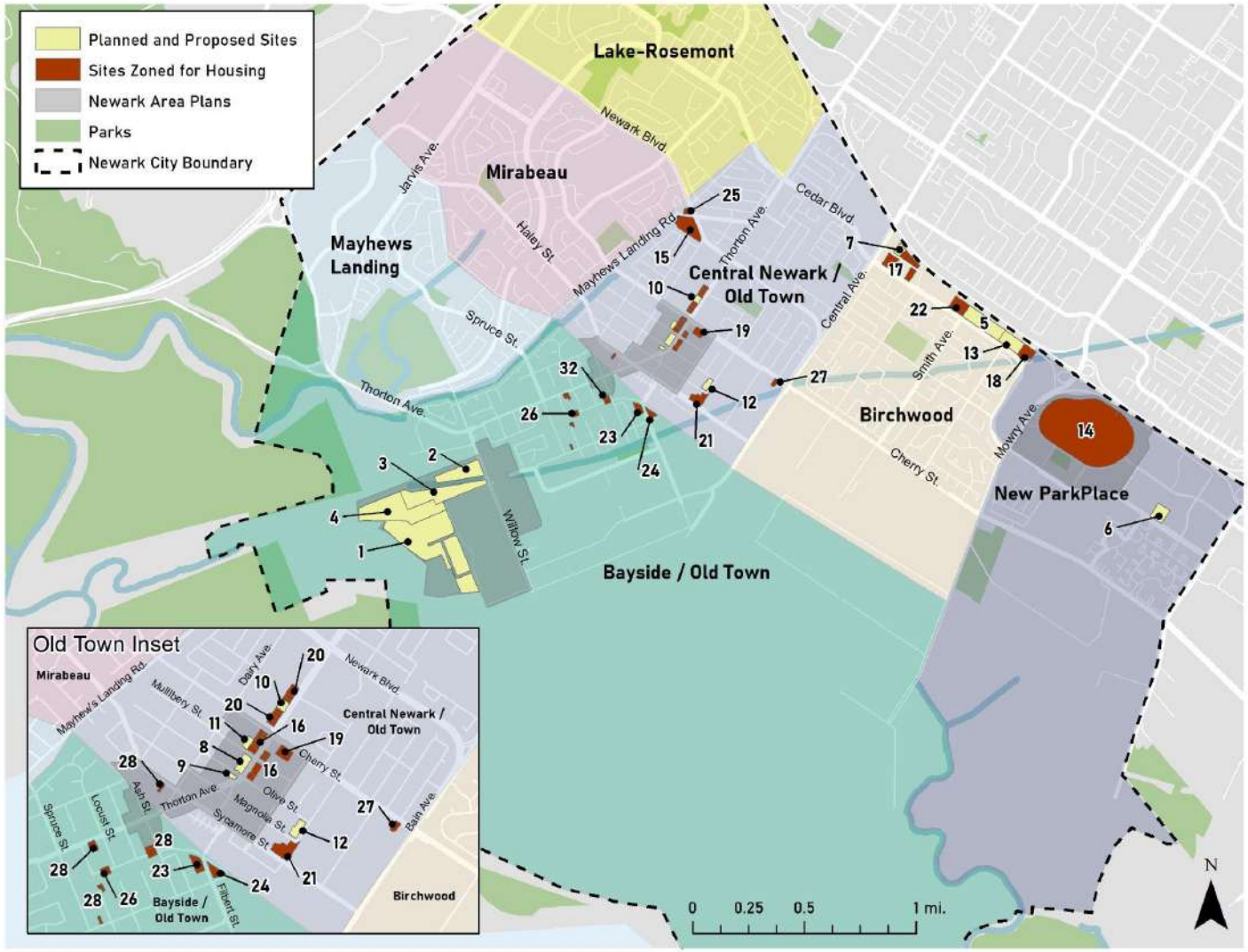
Connecting Housing and Transit: Priority Development areas plan to connect new housing with regional and local transportation options in existing and new walkable communities; 29 percent of new housing sites are located within two Priority Development Areas in Newark which are the Dunbarton TOD (now known as Bayside Newark) and the Old Town Mixed Use Area.

Neighborhood Revitalization: Through the implementation of the NewPark Place Specific Plan, the former Newpark Mall will transform into a mixed-use neighborhood, with 1,519 new housing

[13] Newark Affordable Housing Work Plan

units, including new homes for low and moderate incomes. Pedestrian and bicycle infrastructure improvements will also be developed through a multiphased redevelopment. Similar revitalization efforts are reflected in the sites identified in Newark's other key specific plan areas in the Old Town area and Bayside Newark.

Figure 5-1: Housing Sites for the RHNA 6th Cycle



Source: City of Newark; Planning Collaborative, 2023.

B. City Financial Resources

Along with housing, financial resources are critical for meeting Newark's future housing needs. These include funding and financing programs to provide gap funding for affordable multifamily housing programs, loan and grant programs for first time homebuyers, and home rehabilitation grant and loan programs. The major sources of funding for affordable housing at the Federal and State levels are constrained and highly competitive, and in this context local funding sources for affordable housing are increasingly critical.

Key resources at Newark's disposal include HUD HOME and CDBG funds, allocated to ongoing housing programs through a process overseen by the City's Community Development Advisory Committee (CDAC). As noted elsewhere in this Housing Element, the most important source of funding support for new affordable housing production in Newark is the City's Affordable Housing Impact Fee fund, which has collected upwards of $35M in recent years. $19M of this fund has been allocated by the City to support three affordable housing developments which are included in the City's development pipeline: 1) $2.8M for the entitled but not yet built Timber Street Senior Apartments sponsored by Eden Housing; $4.5M for the Cedar Community Apartments; and 2) $12M awarded to Satellite Affordable Housing Associates to support the development of a new 56-unit development on three underutilized sites that will be assembled. The City retains a balance in June of 2023 of 23,450,000 million in the Affordable Housing Impact Fee fund. The City anticipates issuing regular funding NOFAs to continue to partner with nonprofit sponsors of affordable housing.

The ability of the City to effectively deploy these local financial resources is also critical to the community's ability to leverage other sources of funding from Federal, State, regional and private sources. An important recent example of this is the award last year of $38.2M in State of California Project Homekey funding for the Cedar Community Apartments; this was one of the largest allocations of funding received by any jurisdiction in California for the recent funding round.

C. Other City and Partner Agency Resources

Housing Programs in Newark are administered by the City's Community Development Department. The Department works actively to partner with residents, housing providers and other public agencies to facilitate housing production, preservation and rehabilitation in Newark. Additional key resources provided by partner agencies include:

- **Alameda County 2-1-1.** 2-1-1 is a free, non-emergency, confidential service that provides easy access to housing information and critical health and human services.
- **Alameda County Housing Authority.** The Housing Authority administers programs throughout the County including portable

- Section 8 vouchers for eligible Newark Households. The authority also provides information on housing resources, housing assistance, rental assistance, affordable land and housing, and public housing.
- **Alameda County Housing Portal.** This portal, which is under development, will provide a central location for affordable housing rentals and information, county-wide. Support for multiple languages is available. www.housing.acgov.org
- **COVID-19 Renter Assistance.** AC-Housing Secure is a program that offers assistance with unpaid back rent. Renters and landlords are encouraged to apply. There is a high demand for assistance, but additional program funds have been requested. Applicants will not be asked about their citizenship. Proof of citizenship is not required. Support for multiple languages is available. www.ac-housingsecure.org
- **ECHO Housing.** ECHO Housing provides fair housing services and tenant/landlord counseling and mediation to Newark residents. Renters who believe they have been discriminated against or who need assistance for a dispute with their landlord can contact ECHO at (510) 581-9380. www.echofairhousing.org
- **Fremont Family Resource Center.** The Fremont FRC is a welcoming place where families and individuals are nurtured, encouraged, and provided quality services to build on their own strengths to help themselves and others. Fremont FRC serves the entire Newark community, as well as Union City and Fremont.
- **AC Boost Down Payment Program.** AC Boost provides financial assistance to middle-income working households to purchase a home in Alameda County. The program offers shared appreciation loans to first-time homebuyers who live in, work in, or have been displaced from Alameda County. AC Boost is funded by Alameda County Measure A1 and administered by nonprofit organization Hello Housing. www.acboost.org
- **Alameda County Healthy Homes.** Alameda County has programs and funding opportunities to promote healthy and safe homes. Grants are available for minor home repairs, including the removal of lead hazards. These programs are available to qualified Newark households. www.achhd.org
- **Renew Alameda County.** Renew Alameda County helps homeowners make renovations necessary to stay, grow, and thrive in their homes. Renew AC is administered by Alameda County with funding provided by the Measure A1 Housing Bond. The program is operated by Habitat for Humanity East Bay/Silicon Valley. www.renewac.org
- **Urban County Emergency Mortgage Assistance Program.** The Alameda County Urban County Emergency Mortgage Assistance Program ("EMAP") is intended to provide financial relief for lower income homeowners living in the Alameda County communities (including Newark) who have experienced a loss of income resulting from the COVID-19 pandemic. www.heraca.org/emap

SECTION 6 HOUSING PLAN

A. Evaluation of Accomplishments Under Adopted Housing Element

The City of Newark has developed and implemented various programs and policies to address its housing needs during the previous housing element's planning period (2015 to 2023). The following table provides a detailed program-by-program review of progress and performance. This information will help ensure that the updated element for 2023 to 2031 builds on success, responds to lessons learned, and positions us to better achieve our community's housing needs and priorities.

During the 5th Cycle, the City put in place new policies to help fund and create new affordable housing into the future such as creating a comprehensive affordable housing work plan that will invest 80% of its Housing Impact Fee funds; financing affordable housing production that supports those at risk of or experiencing homelessness; and applying for state, county, regional, and federal funds to construct affordable housing for low income and special needs households. The City also laid the groundwork for future housing and envisioned transit-oriented development (TOD) by producing an Old Town Development Strategy and rezoning its Dumbarton TOD site. It adopted a Specific Plan for Old Town with recommendations and actions to add up to 400 residential units to the planned area and one for Dumbarton TOD that has resulted in the approval or construction of approximately 828 units.

Additionally, the City of Newark has led the way in establishing new policies and programs to affirmatively further fair housing and support communities with special housing needs in obtaining access to housing. The City built a 75-unit affordable complex with universal design features (Newark Station Senior Apartments) and has approved plans for a 79-unit 100% senior housing development with deep levels of affordability (Timber Street Senior Housing). It has modified its building code to require universal design to be applied to both private and public housing and approved 180 units with universal design. Newark has also adopted an Ordinance establishing a process that allows flexibility within the zoning code for reasonable accommodation of access for the disabled and is prepared to adopt a fair housing ordinance for the sixth housing element cycle.

Table 6-1: Review of Policies and Programs of 5th Housing Element Cycle

Program	5th Cycle Activity Summary	Status for 6th Cycle
1. Work with Lower Income Housing Developers and Prioritize Funding	The City worked with nonprofit and for-profit housing developers and organizations to support efforts to create new housing for seniors, people with disabilities, formerly homeless people, households with moderate incomes or below, especially including extremely low income households, and other special needs populations. The City developed a comprehensive affordable housing work plan to engage developers and prioritized funding for housing for people with special needs and very low income people. As provided in the work plan, Newark will invest up to 40% of its Housing Impact Fee fund balance (or approximately $12 million) for funding a NOFA to incentivize affordable housing development. In addition, Newark will invest an additional 40% of the Housing Impact Fee fund balance for site acquisition meant to facilitate affordable housing development. Consistent with the City Council-approved Fiscal Year 2022-2023 Affordable Housing Work Plan, in June 2022, the City of Newark invited developers of affordable rental housing to submit applications for funding assistance under a Notice of Funding Availability (NOFA). A total of approximately $12 million was made available from the City's Affordable Housing Impact Fee Fund. The City received one response from Satellite Affordable Housing Associates (SAHA) requesting $12,000,000 of funding from the City's housing impact fee fund g to construct a 57-unit multifamily apartment building at 6347-6375 Thornton Avenue that would meet the need for family-sized units. On January 19, 2023, the Community Development Advisory Committee on January 19, 2023 reviewed the proposal against the NOFA selection criteria and recommended approval. On March 23, 2023, the City Council reviewed and approved the proposed funding decision as well as authorized the City Manager to execute the Affordable Housing Loan Agreement and all related loan documents to effectuate the approval of the funding award. SAHA will complete the acquisition of the subject properties in April. After conducting community outreach, SAHA expects to submit their formal entitlement application in Summer 2023. In 2021, the City approved plans for "Timber Street Senior Housing", a 79-unit 100% senior housing development, to be built by Eden Housing. The location of the project was rezoned from Limited Industrial District to Medium Residential Density to revitalize the area from a light industrial and warehouse space to a walkable residential neighborhood. A minimum of 20% of the units would have rents restricted at 60% AMI and the remaining units would have rents restricted at no more than 80% AMI. The final AMI unit allocations have not been formally established, but Eden Housing anticipates that most units would have affordability levels deeper than 80% AMI.	**Ongoing.** The City will retain this program and expand it by creating additional programs to supplement it. It will conduct focused outreach to Housing providers annually throughout the 6th Cycle.

Program	5th Cycle Activity Summary	Status for 6th Cycle
	The City granted two incentives/concessions (parking and setbacks) and three waivers (lot coverage, landscaped area, open space) to help facilitate the project and residential density. The entitlements for the project were approved on 10/28/2021 and are expected to be constructed in 2023. • City staff worked with Adobe Services on a Homekey project to convert an existing hotel to supportive housing, which consists of a total of 125 units (1 unit for the on-site manager and 124 units for rent permanent affordable housing). The breakdown of the 124 units for rent permanent affordable housing is 60 units for chronically homeless households and 64 units for households at risk of homelessness; all of which would be for extremely low-income households. On 9/22/2022, the City Council approved a Resolution (Resolution No. 11408) Project Homekey Standard Agreement which includes $38.2 million Homekey grant funds and $6 million City funds. A building permit for the tenant improvement for the project has been issued on 12/22/2022.	
2. Support Regional Homeless Initiatives	The City has provided continuous support for regional efforts to end homelessness, such as the Alameda County EveryOne Home Program, which prioritizes supportive housing. The City adopted a resolution declaring a shelter crisis in the City of Newark and authorized the City's participation in the Homeless Emergency Aid Program (HEAP). It further authorized the City Manager (or his designee) to execute all applications and agreements related to HEAP and other State and County funding sources for homeless populations (Resolution No. 10867 on December 13, 2018). The City of Newark partnered with the City of Fremont's Continuum of Care program to allocate its $229,000 of HEAP funding. The funding was mainly used to provide: • Expanded Warm Center hours; • Expanded "Homeless Navigation" services; • Development of a site for the safe parking of recreational vehicles and vans; • offering time limited housing subsidies The City also took definite action to set aside affordable housing funds for projects through the HomeKey grant program, an effort to provide affordable housing in existing hotels and buildings to low-income households and those experiencing or at-risk of homelessness. In early 2022, the City Council authorized City staff to apply to the State's HomeKey grant program for a grant of up to $39 million and allocated $1.5 million of American Recovery Plan Act (ARPA) funds, as well as $6	**Ongoing**. The City will retain this program into the next Cycle.

Program	5th Cycle Activity Summary	Status for 6th Cycle
	million from the City's Housing Impact Fee fund to acquire Towne Place Suites Hotel with Abode Services and Allied Housing. The Town Places Suites project would convert an extended-stay hotel into 124 permanent, supportive affordable residential units known as Cedar Community Apartments. Additionally, the City has taken on a variety of other initiatives to address issues of homelessness. The Police Department conducts a more in-depth count of its homeless population on a regular basis. The City partners with Caltrans and Alameda County Human Services Agency to address homeless encampments on public property, and with the Fremont Family Resource Center to provide support to Newark households at risk of becoming homeless. It has also created a Homelessness Committee with members from various City departments to coordinate actions and responses to homelessness in the community. In May 2022, the Alameda County Board of Supervisors, along with City Councils throughout Alameda County, endorsed the Home Together 2026 Strategic Community Plan. The Plan is a five-year strategic initiative that centers racial equity, and identifies the strategies, activities, and resources needed to dramatically reduce homelessness in Alameda County. The City will continue to participate in the Home Together 2026 plan to address issues at the local and regional levels. City adopted a resolution declaring a shelter crisis in the City of Newark and authorized the City of Newark's participation in the Homeless Emergency Aid Program (HEAP); and further authorized the City Manager or his designee to execute all applications and agreements related to HEAP and other State and County funding sources for homeless populations. Resolution No. 10867 on December 13, 2018. • The City Council approved a Resolution (Resolution No. 11408) Project Homekey Standard Agreement which includes $38.2 million Homekey grant funds and $6 million City funds on 9/22/2022 for the conversion of an existing hotel to supportive housing Homekey project. • On 5/12/2022, City Council adopted a Resolution (Resolution No. 11,341) for Home Together, a county-wide initiative (Home Together 2026) to address homelessness.	

Program	5th Cycle Activity Summary	Status for 6th Cycle
3. Continue Repair and Rehabilitation Program	Each year, a portion of Newark's CDBG funds is dedicated to the Housing Repair and Rehabilitation Program according to a formula approved by the Alameda County Urban County jurisdictions. The City entered into an agreement with the County of Alameda for participation in the CDBG Program for FY20-21 and the Community Development Advisory Committee made recommendation to the City Council for the use of Jurisdiction Improvement funds for ADA compliance needs at Music Park and Civic Center park on February 18, 2020. Overall, the minor repair program has been very successful in the past. However, the home repairs in 2020 and 2021 were slightly lower than expected due to the COVID-19 pandemic. Conversations with county staff revealed that many homeowners were hesitant to allow contractors into their homes during the last two years out of fear of COVID-19 transmission. Nonetheless, the City of Newark has funded 49 projects in the current 5th Cycle. In discussion with the Alameda County HCD staff, there is no plan to change or substitute the program with any other during FY22-23. The City will continue to participate in the program and will increase community awareness of the program through various city communications tools. Through its continued participation, the City is expected to meet and likely exceed its goal of funding 65 projects by the end of the cycle.	**Ongoing.** Assuming continued CDBG funding, the City will continue to participate in the program.
4. Civic Center Replacement	Staff and consultants prepared a Newark Civic Center feasibility study (completed in June 2016) that assessed the facility needs for a new civic center. The study, informed by two City Council work sessions and a community meeting, included a brief description of locations throughout Newark that were considered for the new civic center. Ultimately, the feasibility analysis focused on the current civic center site as the location for the new civic center. There was no discussion of HE Program 4 as it related to the civic center site, and no discussion of affordable housing as a possible use of the site. The new civic center, which includes city hall, a police building, and library was completed in 2021. Additional analysis would be required to assess the feasibility for affordable housing on remaining city-owned portions of the site. The site retains the Residential High-Density zoning designation and Public-Institutional general plan land use.	**Not completed.** Affordable housing was ultimately not considered as a land use during the civic **center replacement** feasibility **study. Replacement of the civic center was the only project that was considered.**
5. Old Town Development Strategy	The City completed an Old Town Development Strategy in 2017 to facilitate the development of higher density housing in subareas N, M, and O of the Old Town area, with the goal of yielding 228 higher density housing units by 2022. In 2019, two community meetings were held (March 13 and	**Completed.** The City will work to further the recommendations of the Old Town Newark Specific

Program	5th Cycle Activity Summary	Status for 6th Cycle
	June 26) followed by a Joint Work Session on December 12th to develop the Old Town Newark Specific Plan. The City was granted a Planning Grant Program award of $160,000 for the preparation of this plan. In 2021, the City adopted the Specific Plan, which includes a feasibility analysis of sites within the area as well as various policies and strategies that are targeted at reducing barriers to housing in the area. For example, Policy LU-1 focuses on zoning amendments that strategically increase density in certain areas. Policy LU-16 revises zoning regulations to revise parking design standards and reduce the parking demands per unit, thus making units more affordable. Policy INF-1 & INF-2 recommend infrastructure improvements which increase water and sewer capacity which are needed to increase residential density in the area. Additional recommendations included as part of the plan are to reduce or eliminate development impact fees and require inclusionary affordable housing. Overall, the Plan recommendations and actions will add up to 400 residential units to the planned area, far exceeding the goal of 228 units.	Plan within the next few years to advance development.
6. Fair Housing Programs	The City signed an Inter-Governmental Collaboration Agreement for the Completion of the Analysis of Impediments to Fair Housing Choice for Community Development Block Grant Program on March 14, 2019 (Resolution No. 10,904). The Analysis of Impediments (AI) was completed in January 2020. To achieve the AI Metric and Milestone for Activity 1.c to "advocate for local federal/state laws that would improve fair housing protections for those experiencing barriers to accessing housing", the City of Newark's CDD will develop and adopt a fair housing ordinance by FY 2023 for consideration by the City Council. This ordinance will clarify and publicize the prohibition against discrimination in housing and will assist the implementation of Federal Fair Housing regulations. As part of the ordinance, the City will either refer or respond to fair housing complaints.	**Ongoing** programs and initiatives as documented in Section 3: AFFH.
7. Housing Accessible to the Disabled	The City has made it a priority to provide housing that is accessible to disabled people, who comprise 7.6% of the population in Newark, through universal design requirements. Pursuant to the Health and Safety code, HCD has specified that the Building Standards Commission provide documentation of these requirements in the California Building Code. Chapter 11A of the building code outlines the City's accessibility requirements for private housing, including a mandate for adaptable design in all ground floor units that was established in 2013, while Chapter 11B outlines	**Ongoing**. The City will continue to use Chapter 11A and 11B as an effective method to increase housing accessibility.

Program	5th Cycle Activity Summary	Status for 6th Cycle
	the requirements for public housing. During this 5th Cycle of Housing Elements, the City has approved 180 units with universal design. In 2018, the Newark Station Senior Apartments was built with universal design features. This complex, which can house 75 families, was the first affordable apartment community to be built in the City of Newark in at least 25 years.	
8. Seek Funds for Affordable Housing	The City applied for state, county, regional, and federal funds to construct housing for low income and special needs households as well as funding to provide infrastructure that supports housing development. For instance, the City applied for the Alameda County Measure A-1 Bond Competitive grant for $6.5 million. An investment of those funds will go to the Timber Street Senior Housing mentioned in Program 1. In addition, the City has raised money through impact fees from market-rate housing development per the Affordable Housing fee program adopted by Council in 2014. This ordinance is codified in Chapter 17.18 of the Municipal Code. The fee is based on square footage of the project: $21.52 per square foot of floor area is charged for the first 1,000 square feet and $8.62 per square foot is charged for floor area above 1,000 square feet, excluding garages, carports or common areas. To date, approximately, $24 million in impact fees have been deposited in the Affordable Impact Fee Fund to support projects or programs that preserve and/or increase the supply of affordable housing in Newark.	**Ongoing.** The City will evaluate funding each year and apply for funding as appropriate.
9. Adopt Reasonable Accommodation Ordinance	The City adopted an Ordinance in 2016 establishing the process for allowing flexibility within the zoning code for reasonable accommodation of access for the disabled. The ordinance includes: • Clear rules, policies, and procedures to promote equal access to housing and comply with fair housing and disability laws including but not limited to identifying who may request a reasonable accommodation (i.e., persons with disabilities, family members, landlords, etc.), timeframes for decision-making, and provisions for flexibility in the various land-use, zoning, or building regulations that may otherwise constrain housing for persons with disabilities. Chapter 17.37 of the City's Zoning Ordinance outlines the process for	**Ongoing.**

Program	5th Cycle Activity Summary	Status for 6th Cycle
	requesting a waiver to any zoning regulation to allow improvements to an existing building in order to provide reasonable accommodations for persons with disabilities. • Regularly monitoring the implementation of the jurisdiction's ordinances, codes, policies, and procedures to ensure they comply with the "reasonable accommodation" for disabled provisions and fair housing laws. • Reduced parking requirements for projects serving seniors and persons with disabilities (The Zoning Ordinance was revised in 2018 reducing parking requirements to 0.5 spaces per unit, inclusive of guest parking).	
10. Rezone Dumbarton TOD	Development in the Dumbarton Transit Oriented Development (Site Q) is governed by a Specific Plan which has numerous requirements and amenities. The Specific Plan supports and controls development within the 200-acre area, promoting a comprehensive development plan to encourage the creation of a livable community designed for compatible neighborhoods with connectivity to parks, open space, the future Transit Station, and commercial services. These important project elements are assured concurrent with the rezoning application. Most of the Specific Plan has been built-out or is under construction. Construction activities include the previously approved residential uses, streets, sidewalks, landscaping, utilities, and open spaces. The Specific Plan limited residential development to 2,500 units for the entire Specific Plan area. To date, approximately 1,836 units have been approved or constructed. In February 2021, staff provided City Council with an overview of the rezoning activities within the Dumbarton TOD, now known as Bayside TOD. The Bayside TOD developer has summarized development of approved projects, the development that was anticipated in the Specific Plan, and the development table including the current project under review, FMC Willow.	**Completed.** The Bayside TOD area will be built out in phases, with plans for the last site to be entitled before the end of 2023.

B. Housing Plan: Goals, Objectives, Policies, and Programs

This Chapter pulls from what the city has learned from extensive community engagement and data, to develop seven goals to further affordable housing production and housing mobility, increase opportunity and protect residents from displacement. The programs have an implementation timeline of immediate (0-3 years) mid term, (3 to 5 years), long term (5-8 years) and ongoing programs. The city will track program progress through the identification of responsible department and performance metrics through the 6th cycle.

IMMEDIATE: 2023-2025

MID TERM: 2026-2028

LONG TERM: 2029-2031

ONGOING: This is an existing policy or program that will be continue to be implemented

GOALS

GOAL H1: Preserve and Improve Existing Housing

POLICY H1: Leverage local funds to supplement county, state and federal funding to support the maintenance, rehabilitation and preservation of existing rental and ownership housing.

GOAL H2: Facilitate the Development of More Homes for More People

Supporting the development of housing that is affordable and accessible to all segments of the community.

POLICY H2.1: Create opportunities for new housing for moderate income households through zoning adjustments to promote missing middle housing types such as courtyard housing, duplex and small multi family homes.

POLICY H2.2: Second Units. Recognize second units (also known as Accessory Dwelling Units (ADUs) and in-law apartments) as an important part of Newark's housing supply and continue to allow such units, subject to parking, ownership, and size

standards that are consistent with State law. [ongoing]

POLICY H2.3: Promote and facilitate new affordable housing partnerships with various organizations with different housing needs that include but are not limited to the following:

- Community serving nonprofits
- Newark Unified School District
- Community college districts

POLICY H2.4: Work with community partners and property owners to revisit a community visioning plan for the Four Corners neighborhood/community commercial area.

POLICY H2.5: Support programs aimed at housing vulnerable and special needs populations. Monitor the need for housing for seniors across all income groups and for various levels of care, and support programs and incentives that encourage the development of a variety of age-friendly housing options.

POLICY H2.6: Develop and adopt a Universal Design Ordinance to ensure new construction is accessible to residents in all phases of life and regardless of their physical abilities.

POLICY H2.7: Update the existing Reasonable Accommodation requirements of the Zoning Ordinance and adopt [Ongoing]

POLICY H2.8: Support regional homeless initiatives and develop robust and equitable local responses to people experiencing homelessness.[Ongoing]

POLICY H2.9: Increase housing for large households as stated in the Affordable Housing Work Plan (which may be amended from time-to-time). Large households are defined as those with five or more people. The city will review existing site development regulations and design guidelines to ensure that the city is not unintentionally restricting housing designs that meet the needs of extended, multigenerational, and/or large families such as 2 + bedroom units, to reduce overcrowding and assist in maintaining the affordability of existing housing stock.

POLICY H2.10: Evaluate annual housing production targets to ensure the city is meeting the RHNA goals.

GOAL H3: Reduce and Remove Constraints to Affordable Housing Development

Removing barriers to developing affordable housing is key in meeting the goal of providing housing that is accessible to all residents, regardless of income and responsive to the unique ecological and natural environment of the city.

POLICY H3.1: Allow By-Right Approval of Projects with 20 Percent Affordable Units on "Reused" Sites. Pursuant to AB 1397, amend the Zoning Ordinance to require by-right approval of housing development that includes 20 percent of the units as housing affordable to lower-income households, on sites being used to meet the 6th Cycle RHNA that represent "reuse sites" previously identified in the 4th and 5th Cycles Housing Element, and on sites that are subject to a text amendment to accommodate the lower-income RHNA.

POLICY H3.2: Increase certainty of entitlement procedures and accessibility to resource information for developers. Prepare a comprehensive set of guidelines and associated process diagram for all of the city's processes and fees related to residential development generally and affordable housing specifically.

POLICY H3.3: Ensure there is a sufficient supply of multifamily and single-family zoned land to meet the housing needs identified in the Regional Housing Needs Allocation (RHNA).

GOAL H4: Help People Stay in Their Homes and Communities

POLICY H4.1: Develop programs that support homeowners and tenants remain in their homes and communities with a focus on low and moderate income residents and BIPOC households.

POLICY H4.2: Preservation of unsubsidized affordable units. Many low income residents depend on unsubsidized housing at below market rates, which is vulnerable to investment and speculation. Work with nonprofit organizations that may acquire at-risk projects to extend affordability of existing unsubsidized affordable housing for lower-income households. These policies aim to prevent displacement of low-income BIPOC communities, long-term renters, and other marginalized residents by preserving currently affordable housing and creating pathways for permanent affordability.

POLICY H4.3: Sites Acquisition for affordable housing. The city will proactively work to identify opportunities for partnering with other local public sector agencies and private landowners to acquire sites for affordable housing, as well as to seek creative ways of partnering with developers to include affordable units in market-rate projects.

GOAL H5: Increase Access to Affordable Housing

POLICY H5.1: Continue to generate funding for affordable housing and seek additional funding opportunities as they arise.

POLICY H5.2: Bring home ownership within reach for Newark residents. Develop a BMR

homeownership program, and down payment assistance programs, with a focus on first time home buyers.

POLICY H5.3: Prioritize the use of City-owned property for affordable housing prior to other uses (if the sites are feasible and appropriate for housing), and prioritize housing for extremely low income households.

POLICY H5.4: Amend the existing Inclusionary Housing Ordinance to require on-site production of units rather than allowing the payment of an in-lieu or impact fee to support increased access to affordable housing opportunities across the city and in high opportunity areas.

POLICY H5.5: Develop an affordable notice of funding availability (NOFA) that will be released regularly to incentivize new developments consistent with the City's goals of increasing affordable housing opportunities for residents that are families, low income seniors, and residents with disabilities.

GOAL H6: Enhance Quality of Life,Equity, and Environmental Justice

POLICY H6.1: Identify the various existing and potential funding sources for infrastructure / public facility needs, including local, State, and Federal money.

POLICY H6.2: Urban Centers. Implement existing specific plans for NewPark Place and Old Town, creating locations in Newark which are more urban and pedestrian-oriented in character than they are today. These areas will be transformed over time into mixed-use centers with retail, office, civic, and higher density housing uses. [Ongoing policy]

POLICY H6.3: Land use and transportation policy that encourages active transportation and transit oriented development. Make land use and transportation decisions that reduce emissions, including promotion of walking and bicycling, improvements to public transportation, and a jobs-housing balance that reduces vehicle commute miles.

POLICY H6.4: In partnership with local non profits and city departments, work to promote energy efficiency and wise water use in new and existing residential buildings in order to reduce energy costs, provide quality and resilient housing, improve building comfort, and reduce greenhouse gas emissions.

POLICY H6.5: Allow and encourage green building practices and energy efficient construction, such as Cross Laminated Timber buildings, solar installations, and electrification of buildings.

POLICY H6.6: Urban Heat Island Effect. Develop standards and requirements for municipal

projects that can incorporate natural cooling techniques to reduce the urban heat island effect.

POLICY H6.7: Residential Development in the FloodPlain. Limit development within low-lying areas at high risk from flooding. Require any new residential development, including streets and other surface improvements, to be constructed above the 100-year flood elevation.

GOAL H7: Further Fair Housing Throughout the City

POLICY H7.1: Improve awareness, access, and use of education, training, complaint investigation, mediation services of the fair housing service provider, particularly in areas sensitive to displacement, low-income, racial/ethnic concentration, disability or other fair housing considerations.

POLICY H7.2: Promote affirmative marketing in affordable housing programs to enable mobility among low-income residents and BIPOC residents in areas of poverty and segregated neighborhoods.

POLICY H7.3: Address barriers to renting and increase tenant support. Low income households and people experiencing homelessness face obstacles that prevent them from accessing housing that is affordable to them.

PROGRAMS

PROGRAM H1.1: Housing Rehabilitation and Repair Programs

Continue partnership with Alameda County's housing rehabilitation and minor home repair programs, Renew Alameda County, and contracting with Rebuilding Together Oakland East Bay. Encourage participation in these programs by Newark property owners for the maintenance of local rental homes and homeowners. The City shall continue to apply for Community Development Block Grant (CDBG) funds on an annual basis. The City shall give high priority for the expenditure of a portion of CDBG funds for housing rehabilitation, and directly contract with the County to administer the housing rehabilitation services. The City shall also use HOME funds, as available and appropriate, to support housing rehabilitation for lower-income households.

Quantified Objective:	The City plans to support 13 households per year with home rehabilitation. The city will facilitate place-based revitalization by focusing on lower-income households with rehabilitation programs and promoting availability of programs in areas with a high concentration of housing in need of rehabilitation and repair, such as the Old Town and Mirabeau Park areas.

Responsible Agency:	Community Development Department
Timeline:	ONGOING: Continuation of existing program
Funding Source(s):	HOME and CDBG funds as available

PROGRAM H1.2: Develop citywide rental inspection program to maintain high quality housing throughout the city.

Rental Inspection Program / Landlord Registration. The Rental Inspection Program enhances the quality of rental properties and thereby the quality of life for tenants throughout the City and ensures that all rental properties are maintained in accordance with City standards. City inspectors inspect rental properties for code violations and will issue corrective reports with recommendations for improvements to property owners/landlords and tenants. The property owner will be expected to have the property reinspected to ensure the repairs have been made. Examples of reportable issues include: roof leaks, unsafe fire conditions, mold, unsafe stairs and lead based hazards per AB 838.

Quantified Objective:	Update Newark's Community preservation and nuisance abatement ordinance to create a proactive citywide rental inspection program, and develop an online reporting system for tenants to report substandard housing conditions. Support 12 rental units in improved condition per year.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program developed by June 30, 2024
Funding Source(s):	Affordable housing fund, Community Development Maintenance Fund

PROGRAM H2.1: Develop new housing options in areas of the city close to services such as parks, schools and grocery stores, with existing infrastructure.

Missing middle housing will provide for an increase in housing choice in established single family neighborhoods, enabling more moderate income homes within walking distance to schools and parks. SB 9 requires ministerial approval of housing developments containing no more than two residential units on lots zoned for single family residences. Adopted simultaneously with SB 9, SB 10 provides for SB 10 allows local agencies to adopt ordinances to permit up to 10 dwelling units on any parcel, at a height specified in the ordinance, if the parcel is within a transit-rich area or urban infill site. Implementing SB 9 and SB 10 ordinances, along with pursuing Program H2.8:

Zoning for Missing Middle Housing Types, will provide additional opportunities for new housing in a variety of neighborhood types throughout the city.

Quantified Objective:	Draft and implement SB 9 and SB 10 ordinances to provide additional opportunities for missing middle housing. Review the City's Zoning Ordinance and Subdivision Ordinance and implement updates as needed to provide clarity and facilitate housing development under SB 9. These include adopting updated definitions, use regulations, development standards, and ministerial processes. Production and affordability will be monitored every two years and alternative actions will be implemented if necessary to meet the RHNA. In coordination with research being conducted at the State level, pursue opportunities to incentivize and provide funding assistance for homeowners to provide affordable units under SB 9 to further housing opportunities and more affordable homeownership options in high opportunity areas. Develop and implement the City's SB 9 Ordinance to expand the housing supply in single-family zones by allowing for lot splits, cottage housing developments, triplexes and duplexes. 120 moderate income SB 9 units developed during the housing element cycle, with a focus on expanding housing opportunity in neighborhoods in the northern portion of the city. Through programs such as H3.2, Objective Design Standards and H3.5, Parking standards update and study, the city will be able to ensure that development standards, including parking and open space requirements, are not a constraint to development. Adopt an SB 10 Ordinance to allow up to 10 units to be developed on smaller residential parcels throughout the City, with a goal to produce 80 units of missing middle housing, targeting 75% of these units in neighborhoods in the northern portions of the city, including Lake-Rosemont, Mirabeau, and Mayhews Landing Neighborhoods. The quantified objective for Missing Middle for Programs H2.1 and H2.8 is a total of 200 units.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Ordinance developed by June 30, 2025
Funding Source(s):	Community Development Maintenance Fund

Missing Middle Housing
House-scale buildings with multiple units in walkable neighborhoods. These building types, such as duplexes, fourplexes, cottage courts, and backyard cottages (accessory dwelling units), provide

diverse housing options and support locally-serving retail and public transportation options.

PROGRAM H2.2: Accessory Dwelling Unit (ADU) Program.

Develop tools to support uptake of accessory dwelling units production in Newark, in collaboration with Alameda County. Newark will comply with state law until the updated existing Accessory Dwelling unit ordinance is in compliance with state law.

Accessory Dwelling Unit Incentive Program. Develop a program to incentivize construction of ADUs that are deed-restricted for very low, low, and moderate income households.

Quantified Objective:	• Increase viability and uptake of accessory dwelling units though through a multi pronged approach. Develop an ADU calculator to be available for Newark residents, pre approved plans, and increase community outreach, in partnership with Alameda County. • Work to develop a series of incentives and a low interest loan program (if feasible in collaboration with Alameda County) to bring more ADU production for affordable rental housing to the city, specifically in areas that are identified as high in opportunity by the Tax Credit Allocation Committee. • Per SB 897, Increase height limits for detached accessory dwelling units on a lot with an existing multifamily or multistory building to 18 feet and 25 feet if the unit is attached to a primary dwelling. • Per AB 345, Accessory Dwelling units built or developed by non profit entities to be sold separately from the primary residence to a qualified buyer. • Remove parking requirements. • Revise ordinance to comply with state law.
Responsible Agency:	Community Development Department, Alameda County
Timeline:	IMMEDIATE: ADU Community outreach to begin in 2024, pre approved plans to be finalized by 2025. The Alameda County ADU Resource website will function as a resource for community members interested in constructing an ADU. The site currently includes an ADU calculator and in the future will include a how to handbook and instructional videos. The City will revise its ADU ordinance to comply with state law in 2024. MID-TERM: Accessory Dwelling Unit Incentive Program developed by June 30, 2026, with the goal of 144 very low, low and moderate income units with 25% in high opportunity areas, and 160 total units constructed

	during the housing element period.
Funding Source(s):	Community Development Maintenance Fund, Housing Impact Fee Fund

PROGRAM H2.3: Facilitate market-rate and affordable housing and promote neighborhood revitalization in the Four Corners area through increased mixed use development and walkability.

Quantified Objective:	Creation of a community guided plan for the Four Corners area (in between Lake-Rosemont and Mirabeau Neighborhoods), to bring housing and local retail to the area. The plan will consist of community engagement, with the objective of developing community-led decision making around housing, commercial space and public infrastructure improvements. As a key element of the community guided Four Corners area plan, the city will incorporate the Transit Oriented Communities (TOC) development policies and requirements as a portion of the Four Corners area is within a transit priority area. The Four Corners area is zoned for community commercial, which does not allow for residential development by right, but housing may be considered as a component of planned developments within these areas in the event a shopping center is reused. The regulations provided in AB2011 are available to property owners, to facilitate the redevelopment of older underutilized strip malls in the Four Corners area. For example, per state law AB2011, 4.5 acres of underutilized land can be developed with mixed income housing at 80 dwelling units per acre due to being within 0.5 miles of the proposed Ardenwood rail stop as part of the South Bay Connect rail realignment project. The community-guided plan will include zoning and site development standards that will incentivize the development of multi-unit housing, with a target of 360 units on existing commercial properties in the Four Corners area. As part of the plan, the City will establish or modify development standards to facilitate maximum densities.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Community outreach in 2024, MID TERM: neighborhood plan developed by June 30, 2025, rezoning completed by December 31, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H2.4: Universal Design Ordinance.

This program supports residential development that incorporates Universal Design features to meet the needs of as many users as possible. The intent is to reduce the potential for occupants to be displaced from their homes due to a disability, to allow those persons to visit neighboring dwelling units, and to increase the number of accessible dwelling units in the local housing supply that meet long term housing needs by creating a process that facilitates this type of accessible design.

Quantified Objective:	Develop a Universal Design ordinance for new construction of single family, accessory dwelling units, duplex and building 20 units or larger.
Responsible Agency:	Community Development Department, Building Division
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H2.5: Develop a local response to support people experiencing homelessness.

Develop a local response to support people experiencing homelessness, with specific attention to the racial disparities and large population of youth and families.

Quantified Objective:	The City of Newark adopted a resolution endorsing the Alameda County Home Together 2026 Implementation Plan to address homelessness. Newark is preparing a local homelessness plan intended to be consistent with the Home Together 2026 Plan, which will further the objectives of the County plan. The City will maintain a city webpage to (www.newark.org/residents/homelessness) provide a connection to resources for those at risk of, or experiencing homelessness. The City has responded to homelessness needs by proactively partnering with an affordable housing developer and services provider to create and support 124 units of housing for homeless households and people at risk of becoming homeless. To develop this plan, the City shall work with the appropriate homeless agencies, community stakeholders, and faith-based organizations to identify new strategies, funding, and opportunities to provide new emergency shelter and transitional housing options and address the needs of 40 unsheltered persons (in addition to the completed 124-unit HomeKey project) annually in need of emergency shelter or temporary housing.

Responsible Agency:	Community Development Department/City Manager's office
Timeline:	IMMEDIATE: Homelessness plan developed by the end of 2024
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H2.6: Work in Partnership with the Newark Unified School District

Work in partnership with the Newark Unified School District to plan for affordable housing production and build upon the existing partnership between the City of Newark and Newark Unified School District Liaison Committee. Collaborate to bring forward cohesive and implementable plans for District owned properties, and expand the accessibility of housing resources for families, educators and staff in the district. This program will also expand housing opportunities throughout the city, into high opportunity, predominantly single family neighborhoods.

Quantified Objective:	Develop a strategy in collaboration with the Newark Unified school district and the community on a long term development plan and funding for the redevelopment of school district owned sites. AB 2295 supports housing development on property owned by a local educational agency for teachers and staff on both active and vacant district owned properties. AB2295 establishes minimum standards for development, including a minimum of 10 units, deed restricted for affordability for 55 years and be offered to district teachers and staff. The units are required to be for low and moderate income households, with thirty percent of units required to be for very low incomes. The development standards are 35 feet, with a minimum density of 30 dwelling units per acre.
Responsible Agency:	Community Development Department, City Manager's office, Newark City Council, Newark Unified School District
Timeline:	MID-TERM: Program developed by end of year, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H2.7: Affordable Housing Development Fund

The city will provide financing for affordable housing construction of at least 343 lower-income units. They are sites 13,11,9 on the sites inventory. The housing will serve very low to moderate income households, with an emphasis on young families, key workers (teachers, first responders, etc.), individuals and families at risk of homelessness, people with disabilities and other special

housing needs, and low-income senior citizens.

- **SAHA Development: 6347-6375 Thornton Avenue**
  New construction with a total of 56 very low income units, with one on site management unit. 16 units are 3 bedroom units that are suitable for larger families, a housing priority for the city of Newark. The site is located along Thornton Ave, in a moderate resource area as defined by TCAC.
- **37660 Timber Street: Timber Senior Housing**
  New construction of 78 very low and low income housing units for seniors. The site is located in an area identified as a moderate resource area. The development is close to transit and services – less than a quarter of a mile to a bus station with easy access to downtown Newark and the Fremont and Union City BART stations. Near the site is a retail plaza with restaurants, dentists and optometry offices. The NewPark Mall is a five minute bus ride away and Newark Civic Center is less than a mile from Timber Street. The project is being funded by measure A funds, and a significant contribution from the city of Newark from the affordable housing fund. Construction is slated to begin in 2022.
- **Cedar Community Apartments at Towne Place Suites, Project Home Key development**
  As a Project Home Key development, the Cedar community apartments are the reuse of an existing extended stay hotel. The development will result in 124 supportive units affordable to extremely low-income households, with 12 units set aside for veterans and one manager's unit. Cedar Community Apartments is located in an area identified as high resource by TCAC in close proximity to schools, shopping and the Silliman Activity and Family Aquatic Center.

Quantified Objective:	Support the development of at least 343 lower-income units.
Responsible Agency:	Community Development Department, City Council
Timeline:	Ongoing
Funding Source(s):	Affordable Housing Impact Fee Fund, Alameda County Measure A1, Home Key Grant Funds, Launch Initiative

PROGRAM H2.8: Zoning for Missing Middle Housing Types.

Along with the implementation of SB 9 and SB 10 through Program H2.1, the City shall review and amend the Zoning Code and applicable design guidelines to encourage and promote a mix of dwelling types and sizes, specifically missing middle-density housing types (e.g. courtyard housing, duplexes, triplexes, fourplexes) to create housing for middle- and moderate-income households and increase the availability of affordable housing in a range of sizes to reduce displacement risk for residents living in overcrowded units or overpaying for housing.

Quantified Objective:	To remove constraints and better encourage small multi-family developments in the RS, RL, and RM zoning districts, particularly in the northeast area of the city, including Lake-Rosemont, Mirabeau, and Mayhews Landing neighborhoods, zoning text amendments will be implemented. Within 12 months of Housing Element Adoption, staff shall recommend a specific proposal to the city council for consideration and adoption to increase baseline density to at least 15 dwelling units to the acre in key high opportunity areas in RL zones. Recommendations would include amendments to zoning, appropriate development standards to facilitate maximum densities including but not limited to: eliminating minimum lot size requirements, reducing setbacks, and eliminating minimum unit size requirements. In addition, the city will adopt a development standard waiver system for cases when development standards may preclude development to the maximum allowable density. The City shall evaluate the effectiveness of meeting missing middle housing targets of these strategies in 2027, including but not limited to further increasing development intensity in RL zones within the following year to achieve more inclusive neighborhoods throughout the City. Zoning text amendments to may include, but are not limited to: ● Minimum Lot Size: 5,000 square feet for all building types. ● Minimum Lot Width: 50 feet for all building types. ● Parking Requirements: Parking requirements include a minimum of 1 space per unit for a multifamily dwelling outside the specific plan areas and mixed-use zones, Remove requirements for covered parking spaces, allow parking to be located within required setbacks, and remove guest parking requirements. ● Open Space Requirements: Review 400 square foot/unit requirement in RL zoning districts. ● Study feasible densities, identify sites, corridors, and neighborhoods for intensification. Develop a strategy to increase allowable densities to at least 15 du/ac, housing choices and affordability in RL and high opportunity areas with a target of 200 moderate-income units in the planning period (as noted in Program H2.1) Zoning text amendments will be implemented to support the overall strategy to encourage small, multi-family developments. The City shall evaluate the effectiveness of meeting missing middle housing targets of these strategies by 2027, including but not limited to further increasing development intensity in single family zones within the following year, to achieve more inclusive neighborhoods throughout the City.

Responsible Agency:	Community Development Department, City Council
Timeline:	IMMEDIATE: Community engagement and zoning changes by December 31, 2024
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H2.9: Area Specific Plans

NewPark Place Specific Plan The multi phase redevelopment of a shopping mall, will bring new mixed-use residential development to the area. The City worked closely with Brookfield on entitlements for Phase A, with plans for new mixed income housing and a Costco. Subsequent phases will include additional residential development, small scale retail and pedestrian infrastructure such as bike lanes and human scaled streets.

Though Phase A entitlements have now expired, the City will continue to partner with the developer to implement the Newpark Place Specific Plan to meet the affordable housing goals of the City of Newark.

The original entitled project included a total of 319 units, 29 of which would be affordable (4 very low, 9 low, and 16 moderate). The project included 3,700 square feet of ground floor retail, 12,900 square feet of amenities (such as a bike shop, club room, co-work space, and fitness center), a pool courtyard, and enclosed parking. Along Alpenrose Drive, the structures was planned to be six stories, with five residential levels over ground floor retail and amenities.

Old Town Specific Plan The Old Town Newark Specific Plan, adopted September 23rd 2021, sets forth a community informed plan to support public and private investments in the historic neighborhood. The planning area is envisioned as a mixed-use area that accommodates a range of housing types, retail and service business, expanded public spaces, and mobility improvements. To anticipate this development, this Specific Plan:

- Refines zoning regulations to align with market conditions and balance community desires for form and massing

- Develops programs to support investment in the community and continued affordability for people who live and work in the community today

- Identifies streetscape improvements for Thornton Avenue

- Provides scenarios and prototypes for how future development could build out in the Commercial Mixed Use (CMU) and Residential Medium (RM) Zoning designations

Zoning Amendments: Modifies zoning standards in the Commercial Mixed Use (CMU) and Residential Medium (RM) districts to align development standards, use requirements, and design standards with current market conditions and building types.

Streetscape Improvements: Identifies a streetscape plan for Thornton Avenue as a catalyst for neighborhood revitalization and investment of new housing. The streetscape plan will complement improvements in the private realm and create a safe destination for residents and visitors, whether on bike, foot, or in a vehicle.

Bayside Newark A Transit Oriented Development community to be built next to the proposed Dumbarton Commuter Rail station. Due to the proximity of high capacity transit, this area is also a

priority development area for Newark.

On 9/22/22, The City of Newark approved land use modifications proposed by Lennar Home Builder, FMC Corporation, and Integral Communities within the FMC Willow and Grand Park portion of the Bayside Newark Specific Plan area. The proposed modifications would redevelop the 22.1-acre site into a 370-unit multi-family community including 279 townhouse units, a 1.6-acre mixed-use area with 3,600 sq. ft. of retail, club room, fitness center, and 90 affordable units (plus 1 manager unit) within a 6-story building, a 5-acre community park (Grand Park), and a 1,485 sq. ft. community building, along with approx. 1.8 acres set aside for the future Dumbarton transit station.

The South Site of the project, known as "FMC Willow South", (Grand Park, PA 3, and PA 4) would include a 1,485 square foot community building, 123 multifamily units, and 92 townhomes for a total of 215 units. The 123 units would be UA Split (multifamily), and 92 would be UA Towns (townhomes). The UA Stacks would have 5 floorplans ranging from 1,696 square feet to 2,015 square feet. The UA Splits would have a standard option with 4 floorplans ranging from 1,307 square feet to 2,108 square feet and a 4-story option with 4 floorplans ranging from 1,307 square feet to 2,422 square feet. The homes would be 3-5 stories high.

Quantified Objective:	1,594 total units for the three specific plan areas. 147 very low, 101 low, 82 moderate and 1,263 above moderate units.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE, MID- and LONG-TERM: Development underway and though 2031
Funding Source(s):	Development within Area Specific Plans are privately financed. Community Development Maintenance Fund

PROGRAM H2.10: Single Room Occupancy Housing

In order to expand the housing options in Newark, the city will support a wider variety of housing types that would be accessible for low-income working people, retirees, people receiving disability payments and newcomers to the area. Single Room Occupancy (SRO) units provide small units for a single person, with shared amenities such as kitchens or bathrooms. Along with commitments in Program H4.10: Zoning Ordinance Amendments for Special Needs Housing, the City shall update the zoning code to facilitate the development of more SROs and small units.

Quantified Objective:	In order to support an increase in this housing type in the city, SROs will be permitted use in Residential Medium Density, Commercial Mixed Use and Residential High Density, with a priority for SRO development to occur along transit corridors. Review and update existing development standards (Chapter 17.26.230), including parking requirements, to ensure

	they are not a barrier to the development of SROs. City fees for SRO projects will remain in line with fees for multifamily projects.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: updates to land use regulations in zoning code by early 2024. SRO development standards and fee requirements to be reviewed and updated as necessary by December 2024.
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H2.11: Catalyze the development of small sites through a lot consolidation incentive program

The city commits to continuing improvement, evaluation, and adjustment of programs during the housing element cycle to ensure quantified objectives are being met.

Quantified Objective:	Implement a lot consolidation incentive program to catalyze development on small sites. The program would include deferring fees specifically for consolidation, expediting permit processing, providing flexible development standards such as setback requirements, reduced parking or increased heights, committing resources for development of affordable housing on small sites, and/or increasing allowable density or lot coverage. In addition, the city will adopt a development standard waiver system for cases when city requirements may preclude development on small sites.
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Review and implement in mid 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H2.12: Ensure maximum residential densities are achievable

The city commits to annually review, and amend as necessary, the Municipal Code to ensure that maximum allowable densities are achievable on sites zoned for housing.

Quantified Objective:	Review, and amend as necessary, city requirements and development standards in all zones that allow residential development to ensure that maximum densities are achievable. This includes those standards and requirements related to maximum units per building, maximum building

	coverage, required open space per unit, minimum lot area, setbacks, height limits, parking (also see Program H3.5) and limits on allowable densities. Specifically, remove the MUP requirement for buildings over 35 feet in the RM and RH zones and review whether the 60-foot height limit in the CMU zone (outside of the Old Town Specific Plan area) is a constraint on development and make needed changes, or allowing for flexibility to achieve maximum allowable densities. The analysis will consider impacts on cost, supply, housing choice, affordability, timing, approval certainty and ability to achieve maximum densities and include programs to address identified constraints.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: City will initially review city requirements and development standards in 2024 and on an annual basis thereafter, and amend the appropriate requirements and standards as necessary to the Municipal Code.
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H3.1: Streamline Ministerial Approval Permit Procedures

The City will review and update its approval processes to ensure it accommodates streamlined applications, pursuant to Senate Bill 35.

Quantified Objective:	Prepare and publish administrative procedures by 2024 for the processing of housing developments eligible for streamlined review pursuant to SB 35. Assign a staff member to support the streamlined development review process. This staff person will be a point of contact for affordable housing developers that will work to create a clear and streamlined process.
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Prepare and publish new procedures by 2024, assign staff as necessary to achieve the objective by June 30, 2026
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H3.2: Develop objective design standards for single family and multi family developments and infill housing.

Identify parking standards, setbacks and height standards to facilitate development that is responsive to fluctuating costs and results in high quality design.

Quantified Objective:	Develop new objective design standards that result in designs that reflect the needs of the community while supporting new developments that are responsive to local ecological conditions and climate change while reducing development costs where applicable.
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Ordinance and zoning changes implemented by June 30, 2024
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H3.3: Assess and update impact fees

Assess and update impact fees as required to ensure that it is in line with neighboring jurisdictions and not a hindrance to development.

Quantified Objective:	The city will undergo a comprehensive impact fee study to assess and update the impact fee structure to reflect the needs of the community and ensure fee structure is in line with neighboring jurisdictions. • Currently the policy in the Old Town Specific Plan area is to temporarily reduce fees to encourage development. • The city will provide a fee waiver for senior and housing for people with disabilities
Responsible Agency:	Community Development Department/Finance Department
Timeline:	IMMEDIATE: Study would be part of the Affordable Housing work plan.
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H3.4: Adjust zoning to allow mixed use in current Commercial zones

In order to align zoning with planned development areas and associated policies of developing pedestrian friendly, walkable neighborhoods, the city proposes to utilize State laws SB6 and AB 2011 to encourage residential and mixed use developments in current commercial zones. A project proposed under SB 6 may be either a 100-percent residential project or a mixed-use project where at least 50 percent of the square footage is dedicated to residential uses. SB 6 projects are not exempt from CEQA but need not provide any affordable housing. SB 6 projects are required to pay prevailing wages and utilize a "skilled and trained workforce." Although there

is a possibility that including commercial space in a mixed use development could be viewed as a constraint, the community and City Council are interested in mixed use, walkable environments that support a variety of uses.

Quantified Objective:	Amend the City's Neighborhood Commercial and Community Commercial zones and land use code to create objective standards for mixed-uses and facilitate the redevelopment of commercial sites to mixed-use.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program developed by June 30, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H3.5: Parking standards update and study

Parking can be a significant portion of the cost of developing new housing. Research and develop new parking standards for residential developments that align with neighboring jurisdictions and are reflective of the community needs and development costs. Although the Dumbarton rail project is proposed for Newark, there is no firm timeline for its development. Due to limited frequent public transportation in the city, many residents are car dependent in order to access employment and other basic needs which reflects the extent of parking reductions.

Quantified Objective:	Update the Zoning Ordinance to encourage infill development, including housing for persons with disabilities, senior housing, accessory dwelling units. Engage with the development community to discuss changes to parking minimums. Identify and implement parking requirement reductions in NMC 17.23.50, eliminating parking minimums for ADUs, and/or unbundled parking from the dwelling unit for large housing projects. Revised parking changes include: ● Senior Parking: Reduce from 1 space per unit to .5 spaces per unit ● Remove parking requirements for ADUs ● Two Unit Dwelling : Remove the guest parking requirement ● Multi Unit Dwelling: ○ Reduce covered parking requirement to 0.5 spaces per unit ○ Reduce guest parking to 0.25 spaces per unit ○ Reduce overall parking requirement for studios and one bedrooms to 1 space per unit. ○ Reduce 2-plus bedroom requirement to 1.5 spaces per unit with 0.25 spaces for guest parking. Provide more opportunities for alternatives to individual automobile such as: ● CAR SHARING

	One stall reduction for each stall dedicated and designated for use by a locally-operating car sharing program, such as Zipcar. • ON-STREET PARKING CREDIT One-half stall reduction for each new public, on-street parking stall provided as part of a project (through the installation of angled or perpendicular spaces with bulb-outs and curbs or other methods). • BICYCLE PARKING CREDIT One stall reduction for every five, non-required bicycle parking spaces provided on the site (beyond the standard requirements. Analyze and revise as necessary existing standards for SROs, small multifamily (Missing Middle), and shared parking.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Parking requirement updates in zoning code by mid 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H3.6: By-Right Approval of Projects with 20 Percent Affordable Units on "Reused" Sites.

Pursuant to AB 1397, amend the Zoning Ordinance to require by-right approval of housing development that includes 20 percent of the units as housing affordable to lower-income households, on sites being used to meet the 6th Cycle RHNA that represent "reuse sites" previously identified in the 4th and 5th Cycles Housing Element. The nine sites listed in Table 6-2 will be adjusted by text amendment to accommodate the lower income RHNA as needed.

Table 6-2: Assessors Parcels Numbers Subject to AB 139, 2022

Site Number	Assessor Parcel Number
8	92-30-16-2; 92-30-15-2; 92-30-17-2; 92-30-14-3; 92-30-18-4
9	92-31-15; 92-31-16-2
15	92A-900-1-2
16	92-29-13; 92-29-19-2; 92-29-18-2; 92-29-17-2; 92-29-16-2;92-51-2-3; 92-29-20-2; 92-51-5-3
17	92A-2125-17 92A-2125-11-2' 92A-2125-13
18	92A-2585-32
19	92-50-13

Site Number	Assessor Parcel Number
21	92-255-11
22	92A-2375-32
23	92-131-3; 92-131-2-4; 92-131-1-9

Quantified Objective:	602 total units, 304 very low and low income units, 67 moderate income units and 231 above moderate income units.
Responsible Agency:	Newark City Council, Community Development Department, Planning Commission
Timeline:	IMMEDIATE: Text amendment within one year of Housing Element Adoption
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H4.1: Develop Anti-Displacement Programs for the Old-Town Newark Specific Plan Area.

Quantified Objective:	Apply local preference ordinance to new residential development in the Old Town area. Convene an Old Town community working group composed of residents, youth and business owners in the neighborhood. This group will work with staff to develop neighborhood priorities for an anti displacement program for the Old Town Newark Specific Plan area that supports community residents and small businesses to stay in place.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Local preference policy, 2024. MID-TERM: Anti displacement implementation program developed by June 30, 2026
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H4.2: Develop a Tenant/Community Opportunity to Purchase Policy

Develop programs to support renters stay in their homes and create opportunities for home ownership through a Tenant Opportunity to Purchase or Community Opportunity to Purchase (COPA and TOPA). A TOPA/COPA policy can also facilitate homeownership for tenants by creating limited equity housing cooperatives or other ownership models, enabling increased

wealth-building opportunities for BIPOC communities who have historically been denied access to homeownership.

Work with community members, community-based, mission-driven entities, housing providers, real estate professionals, and other relevant stakeholders to review best practices and lessons learned to develop a report with recommendations for the implementation of a small sites program and COPA / TOPA policy in the City of Newark.

Quantified Objective:	The recommendations will include a framework for an ordinance, administrative and supportive policies, program process and design, community engagement plan, and identification of costs and funding sources for implementation.
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: COPA and TOPA ordinance and program developed by June 30, 2026
Funding Source(s):	HOME funds

PROGRAM H4.3: Develop a Just Cause Eviction Ordinance

Just Cause ordinances prohibit landlords from ending a tenancy or evicting a tenant without a specific reason.

Quantified Objective:	Develop and implement a just cause eviction ordinance for the city to cover tenants under state law when AB 1482 expires in 2029. Support 15 low income residents per year to stay in their homes.
Responsible Agency:	Community Development Department, City Council
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H4.4: Small Sites Program

Develop a small sites funding funding program that enables nonprofit housing providers to acquire market-rate multifamily properties that are less than 25 units and convert these buildings to affordable housing.

Quantified Objective:	Develop an RFP for small sites program. Recipients of funding from the Small Sites Program sign a 55-year regulatory agreement that governs the income limits for tenants and rents that can be charged. The program will

	focus on the Old Town/ Central area, identified as vulnerable to displacement, and with higher concentrations of low income residents.
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Program developed by June 30, 2027
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H4.5: Connect Residents to Existing Shared Housing Programs

With community partners, connect residents to existing shared housing programs to support those in need of affordable housing and seniors in need of additional income to remain in their homes.

Quantified Objective:	Work to connect 20 residents per year to existing shared housing resource programs through non profit partners for Newark such as the Home Match program.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program implemented by June 30, 2025
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H4.6: Support Tenant Stability Though Minimum Lease Terms and Relocation Assistance.

Quantified Objective:	Develop an ordinance outlining minimum lease terms and relocation assistance for renters
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program developed by June 30, 2024
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H4.7: Identify Housing Opportunities For Those With Developmental Disabilities

Work with community partners such as the Housing Consortium of the East Bay, to identify scattered smaller parcels that would be suitable for affordable housing, and the inclusion of units in larger housing developments for those with developmental disabilities.

Quantified Objective:	20 units to increase housing opportunities for those with developmental disabilities in Newark.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Coordination with housing developers and community partners by June 30, 2024
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H4.8: Connect Residents with Foreclosure assistance.

Quantified Objective:	Connect residents with existing foreclosure prevention resources for Alameda County to stem the displacement of 20 low and moderate income residents. With a focus on Hispanic/ Latinx, Indigenous and Black residents.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program support by June 30, 2024
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H4.9: No Net Loss of Units

To facilitate place-based revitalization for households at risk of displacement due to new development, the City will require replacement housing units subject to the requirements of Government Code, Section 65915, subdivision (c)(3), when any new development (residential, mixed use, or nonresidential) occurs on a site that has been occupied by or restricted for the use of lower income households at any time during the previous five years. This requirement applies to non-vacant sites and vacant sites with previous residential uses that have been vacated or demolished.

Quantified Objective:	Replace any of the units if (a) they are planned to be demolished for purposes of building new housing, and (b) they are determined to be occupied by low income residents.

Responsible Agency:	Community Development Department,
Timeline:	IMMEDIATE: The replacement requirement will be implemented immediately and applied as applications on identified sites are received and processed.
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H4.10: Zoning Ordinance Amendments for Special Needs Housing

The City of Newark, through its Zoning Ordinance, provides opportunities for special needs housing, including uses such as Group Residential, Residential Care Facilities, Single Room Occupancies, Supportive Housing, and Transitional Housing, and Emergency Shelters. However, the locations where these uses are allowed are limited. Along with commitments in Program H2.10, the City shall prepare and adopt the following amendments to the Zoning Ordinance to allow housing for special needs groups consistent with State law:

- Allow "low barrier navigation center" developments by right in mixed-use zones and nonresidential zones permitting multifamily uses, consistent with Government Code Section 65662.
- Allow for the by-right approval of 100 percent affordable developments that include a percentage of supportive housing units, either 25 percent or 12 units, whichever is greater, to be allowed without a conditional use permit or other discretionary review in all zoning districts where multifamily and mixed-use development is permitted, consistent with Government Code Section 65651(a).
- Ensure the identified zone has available sites with capacity to accommodate at least 32 shelter beds, using the methodology outlined in Government Code section 65583 subdivision (a)(4), and that the identified zones have sites located near amenities and services that serve people experiencing homelessness, which may include health care, transportation, retail, employment, and social services.
- Allow large Residential Care Facilities for 7 or more people as a permitted use in the Residential Low Density, Residential Medium Density, and Residential High Density zones. The facilities are subject to the same requirements as other residential uses of the same type in these zones.
- Expand the zones where single-room occupancy units (SROs) are a permitted use to RM, RH, and CMU districts.
- Allow employee and farmworker housing consistent with California Health and Safety Code Section 17021.5(b) Section 17021.6.
- Revise the definition of "emergency shelter" to include other interim interventions, including but not limited to, navigation centers, bridge housing, and respite or recuperative care, per Government Code 65583. The City will also confirm zones utilized for emergency shelters allow residential uses, confirm they have sufficient capacity and proximity to

services based on statutory formulas and review to ensure that the appropriate development standards are in place to encourage the development of emergency shelters.

- Revise the City's definition of "Family" in the municipal code to remove provisions requiring shared living expenses or maintaining a single lease or rental agreement.
- Review and revise the City's reasonable accommodation procedure to eliminate constraints for persons with disabilities, particularly the finding (a) that requires the request to be necessary "… due to the physical characteristics of the property and the proposed use or structure or other circumstances, including, but not limited to, topography, noise exposure, irregular property boundaries, or other unusual circumstance."

Quantified Objective:	Ensure compliance with State law
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Zoning amendments completed by October 26, 2024, including zoning related to emergency shelters within one year of adoption.
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H4.11: Scattered Site Housing for Persons Experiencing Homelessness

As funds become available, the City shall partner with other Alameda County cities and organizations like Bay Area Community Services (BACS) and Abode Housing to apply for funds to support the acquisition and conversion of single-family homes and hotels/motels to supportive shared housing for people experiencing homelessness. If the project is awarded funds and a partner organization acquires a property in Newark, the City will record a 55-year regulatory agreement against the subject property restricting the rents for extremely low-income households and establishing property maintenance and management standards. Staff will work with partners and the other participating cities to refine the program goals and secure matching funding from Alameda County HOME Consortium.

Quantified Objective:	Conversion of a Homekey-funded hotel containing 124 units for households experiencing homelessness and households at risk of homelessness was completed in 2023. Through a scattered-sites program, purchase 1-2 single-family properties in partnership with nonprofits utilizing available funds to provide extremely low-income housing units for persons experiencing homelessness, with a goal of identifying the majority of sites in high resource census tracts.
Responsible Agency:	Community Development Department
Timeline:	Homekey-funded hotel conversion will be complete in 2023. Scattered-site program compete in 2025-2026, subject to the availability of federal, state and local funding e.
Funding Source(s):	Federal, state, and local funding sources, including Lanterman Act funds or Project Homekey.

PROGRAM H5.1: First-Time Homebuyer Assistance

Bring home ownership within reach for Newark residents. Develop a BMR homeownership program, and down payment assistance programs, with a focus on first time home buyers and BIPOC residents with low home ownership rates. The City will participate in the Alameda County Housing & Community Development Department Mortgage Credit Certificate (MCC) and Down Payment Assistance (DPA) programs to provide down payment assistance to expand homeownership opportunities in Newark. Down payment assistance funds provided by the County may be used to leverage monies from other grants to provide additional assistance with the intent to make homeownership more attainable for families.

Quantified Objective:	The city will target an average of four households for down payment

	assistance each year, with a focus on recruitment of moderate income BIPOC households.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program developed by June 30, 2024 as part of the Affordable Housing work plan
Funding Source(s):	Housing Impact Fee Fund, potentially CDBG funds.

PROGRAM H5.2: Affordable Housing Development Programs

Resolution 10184 to ensure an adequate amount of affordable housing through three programs.

1. **Percentage of Affordable Units to mitigate the effects of new development**. The city utilizes a percentage of units for very low, low and moderate income units to be included in the development of new housing.
2. **Density Bonus Law.** The city will offer developers the opportunity to utilize the state density Density Bonus (Section 17.19) for an increase in housing units affordable to very low, low and moderate income households or seniors. Concessions are also available under the density bonus law such as reduced parking standards and setbacks, and allowing tandem or uncovered parking.
3. **Affordable Housing fee program.** This ordinance is codified in Chapter 17.18 of the Municipal Code. The fee is based on square footage of the project: The fee is calculated per square foot for floor area above 1,000 square feet, excluding garages, carports or common areas.

Quantified Objective:	778 housing units over the period of the Housing Element. 326 very low, 326 low income units, 126 moderate units
Responsible Agency:	Community Development Department, City Council
Timeline:	Ongoing from existing program
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H5.3: Public Lands for dedicated affordable housing.

The city, in compliance with the Surplus Land Act will develop and implement programs and policies to further Increase the utilization of public land for affordable housing with particular emphasis in high resource and gentrifying areas to support housing mobility and anti displacement efforts.

Quantified Objective:	1. Rezone PF (Public Facility) zoned land to allow affordable housing as a permitted use, by-right. 2. Rezone publicly owned land, from Single Family to Mid rise Residential for the development of 20 new housing units targeted for disabled, single parent and low and moderate income households. 3. Develop a public land framework / policy that enables a coordinated interagency approach to public land reuse. 4. Maintain long-term ownership of public sites to ensure permanent affordability and long-term financial benefits. 5. Work with the school district to reuse excess and underutilized school sites and meet the needs of the local education workforce for the creation of 50 new units of housing for low and moderate income households. 6. Consider interim uses of public sites that can provide amenities to the community (e.g., housing for those experiencing homelessness, art installations and non profit art spaces) 7. The City shall also continue to monitor the status of available land owned by other public agencies and actively work with developers that may wish to develop such properties for affordable housing.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Public land framework developed by June 30, 2025, rezonings to occur by December 31, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H5.4: Affordable Housing Overlay Zone

Develop an affordable housing overlay zone to incentivize the construction of affordable housing for very low, low, and moderate income households in targeted areas.

Quantified Objective:	Work to develop a series of incentives such as reduced parking requirements, and fast tracked permitting to bring increased production of affordable rental housing to the Four Corners area and other high opportunity areas of the city.
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Program developed by June 30, 2026
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H6.1: In Response to Multi-Year Drought Conditions, Support a Community Reduction of Local Water Usage

Quantified Objective:	Develop a city wide water wise garden challenge, partner with local non profit organizations and city departments to support the transformation yards and medians with drought tolerant plants. Update municipal code to incorporate language on drought resistant landscaping.
Responsible Agency:	Public Works Department, Community Development Department
Timeline:	MID-TERM: Program developed by June 30, 2026
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H6.2: Encourage Water Utilities to Participate in BayREN's Water Upgrades $ave Program

In order to make water efficiency improvements available to residents at little-to-no up-front cost. Provide information to residents on incentives for energy efficiency and electrification from organizations such as PG&E, BayREN, and others.

Quantified Objective:	Provide information in citywide mailings twice a year and post on City of Newark website and social media outlets.
Responsible Agency:	Community Development Department, Public Works Department
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H6.3: Cool Roofs for Cool Homes

In response to increased urban heat events, work to ensure that homes are incorporating designs to support cooler interiors.

Quantified Objective:	Amend the City's building ordinance to exceed Title 24 standards by requiring cool roofs for all new or replacement roofs.
Responsible Agency:	Community Development Department, Public Works Department
Timeline:	IMMEDIATE: Program developed by June 30, 2025

Funding Source(s):	Community Development Maintenance Fund

PROGRAM H6.4: Flood Risk Disclosure for New Development

As a significant portion of Newark falls within the 100 and 500 year flood plain, ensuring that development is built in response to climate change.

Quantified Objective:	Require developments in the flooding and other high-risk inundation areas to disclose flood risks and identify appropriate flood mitigation actions for incorporation into project design.
Responsible Agency:	Community Development Department, Public Works Department
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H7.1: Training for Voucher Program and Landlord Responsibilities

Develop training programs in collaboration with Alameda County Housing Authority for property owners to understand the housing choice voucher program and landlord responsibilities.

Quantified Objective:	Hold two workshops annually for rental property owners/managers
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H7.2: Increase City Access, and Partner With Community Organizations To Ensure That Community Members Have Access To Tenant Rights Information and Fair Housing In Multiple Languages.

Expand education and outreach on fair housing laws and source of income discrimination to landlords, property owners with accessory dwelling units, and property owners seeking building permits for rental properties.

Quantified Objective:	• Cocreation of tenants rights information in collaboration with local community organizations made accessible in culturally relevant ways and in a variety of formats such as videos, flyers, social media and public workshops. • The city is working to install and implement the community development information module on the city's website. The city expects to have this operational by the end of 2023 or early 2024. The City has launched a service called "TextMyGov" which is a streamlined way to interact with community members on various topics and services. Users can send questions or concerns via text on mobile devices. Responses are provided via a return text with links to additional information and city services. Users can also register to receive push notifications via text on various city topics such as general city affairs (in English and Spanish), City Council meetings, and community events.
Responsible Agency:	Community Development Department
Timeline:	IMMEDIATE: Program implemented by June 30, 2024
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H7.3: Work with Newark Unified School District to Distribute Housing Resources

Work with Newark Unified School District to distribute housing resources to families enrolled in the district per state law AB27 that directs schools, including charter schools to identify homeless children and youth, requires annual staff training, and mandatory website postings of resources.

Quantified Objective:	Information on housing resources and general family support resources for district families distributed through multiple sources to increase accessibility and that families are connected with housing resources for those experiencing homelessness. Translated into relevant languages for families in Newark. An example would be information published on the website.
Responsible Agency:	City of Newark Homeless Committee, Newark Unified School District
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H7.4: Affirmatively Market Affordable Housing

Affirmatively market affordable housing rental and for sale units, through the online affordable housing listing portals such as the Alameda Housing Portal, Doorway and elsewhere, to underrepresented groups such as people with disabilities, extremely low income households and BIPOC households.

Quantified Objective:	Information on housing resources and general family support resources for district families distributed through multiple sources to increase accessibility and that families are connected with housing resources for those experiencing homelessness. Translated into relevant languages for families in Newark. An example would be information published on the website.
Responsible Agency:	Community Development Department, City of Newark Homeless Committee, Newark Unified School District
Timeline:	MID-TERM: Program developed by June 30, 2025
Funding Source(s):	Housing Impact Fee Fund

PROGRAM H7.5: Monitor housing programs through a mid-cycle review

The city commits to continuing improvement, evaluation, and adjustment of programs during the housing element cycle to ensure quantified objectives are being met.

Quantified Objective:	Review quantified objectives for housing construction, rehabilitation, and conservation
Responsible Agency:	Community Development Department
Timeline:	MID-TERM: Programs reviewed by end of 2026
Funding Source(s):	Community Development Maintenance Fund

PROGRAM H7.6: Monitor annual progress towards meeting the City's RHNA goals

The city commits to continuing improvement, evaluation, and adjustment of programs during the

housing element cycle to ensure progress is being made toward the City's RHNA goals.

Quantified Objective:	Monitor housing sites, residential development and future development potential, and programs annually. Survey property owners of sites in the sites inventory to stay current on the project viability and development climate. Report findings through the Annual Progress Report. Make adjustments to programs as needed.
Responsible Agency:	Community Development Department
Timeline:	ANNUALLY: The city will evaluate planned, approved and pending projects for progress toward completion every other year and if necessary, take alternative actions (e.g., additional sites or rezoning) within one year.
Funding Source(s):	Community Development Maintenance Fund

Quantified Objectives

One of the requirements of State law (California Government Code Section 65583[b]) is that the Housing Element contain quantified objectives for the maintenance, preservation, improvement, and development of housing. State law recognizes that the total housing needs identified by a community may exceed available resources and the community's ability to satisfy this need. Under these circumstances, the quantified objectives need not be identical to the total housing needs. The quantified objectives shown in Table 6-3 represent targets. They are estimates based on experience, anticipated funding levels, and housing market conditions. The quantified objectives are not designed to be minimum requirements. The quantified objectives are based largely upon implementation programs that have measurable outcomes. However, the Housing Element contains several policies and implementation programs that reduce barriers and create opportunities for affordable housing. These policies and programs are essential to meeting the City's housing needs but are more qualitative and difficult to quantify.

Table 6-3: List of Quantified Objectives for the 2023 to 2031 Planning Period

Action	Very Low	Low	Moderate	Above Moderate	Total
RHNA	**464**	**268**	**318**	**824**	**1,874**
New Construction					
Pipeline Projects	274	66	26	891	1,257
Program H2.1 and H2.8 Missing Middle			200		200
Program H2.2 Accessory Dwelling Units	48	48	48	16	160
Rehabilitation					
Program H1.1 Housing Rehabilitation and Repair[14]	34	34	34		102
Program H1.2 Rental Inspection and Repair	32	32	32		96
Conservation, Preservation, + Assistance					
Program H4.3 Tenant Protections	50	40	30		120
Program H4.8 and H5.1 First Time Home Buyer and Foreclosure		10	14		24
Program H4.7 Disability	10	10			20
Program H4.5 Shared Housing	80	80			160

Source: City of Newark, 2023

[14] Community Development Block Grant Status Report. April 5, 2023. An average of 9 units per year in a 10 year period.

APPENDIX A HOUSING NEEDS

HOUSING NEEDS DATA REPORT: NEWARK

ABAG/MTC Staff and Baird + Driskell Community Planning

2021-04-02



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1 INTRODUCTION

The Bay Area continues to see growth in both population and jobs, which means more housing of various types and sizes is needed to ensure that residents across all income levels, ages, and abilities have a place to call home. While the number of people drawn to the region over the past 30 years has steadily increased, housing production has stalled, contributing to the housing shortage that communities are experiencing today. In many cities, this has resulted in residents being priced out, increased traffic congestion caused by longer commutes, and fewer people across incomes being able to purchase homes or meet surging rents.

The 2023-2031 Housing Element Update provides a roadmap for how to meet our growth and housing challenges. Required by the state, the Housing Element identifies what the existing housing conditions and community needs are, reiterates goals, and creates a plan for more housing. The Housing Element is an integral part of the General Plan, which guides the policies of Newark.

2 SUMMARY OF KEY FACTS

- **Population** – Generally, the population of the Bay Area continues to grow because of natural growth and because the strong economy draws new residents to the region. The population of Newark increased by 15.3% from 2000 to 2020, which is above the growth rate of the Bay Area.

- **Age** – In 2019, Newark's youth population under the age of 18 was 10,015 and senior population 65 and older was 6,038. These age groups represent 21.2% and 12.8%, respectively, of Newark's population.

- **Race/Ethnicity** – In 2020, 23.7% of Newark's population was White while 3.9% was African American, 33.9% was Asian, and 34.8% was Latinx. People of color in Newark comprise a proportion above the overall proportion in the Bay Area as a whole.[1]

- **Employment** – Newark residents most commonly work in the *Manufacturing, Wholesale & Transportation* industry. From January 2010 to January 2021, the unemployment rate in Newark decreased by 3.7 percentage points. Since 2010, the number of jobs located in the jurisdiction increased by 4,650 (29.9%). Additionally, the jobs-household ratio in Newark has increased from 1.33 in 2002 to 1.49 jobs per household in 2018.

- **Number of Homes** – The number of new homes built in the Bay Area has not kept pace with the demand, resulting in longer commutes, increasing prices, and exacerbating issues of displacement and homelessness. The number of homes in Newark increased, 11.2% from 2010 to 2020, which is *above* the growth rate for Alameda County and *above* the growth rate of the region's housing stock during this time period.

- **Home Prices** – A diversity of homes at all income levels creates opportunities for all Newark residents to live and thrive in the community.

    - **Ownership** The largest proportion of homes had a value in the range of $750k-$1M in 2019. Home prices increased by 133.9% from 2010 to 2020.

    - **Rental Prices** – The typical contract rent for an apartment in Newark was $2,110 in 2019. Rental prices increased by 61.1% from 2009 to 2019. To rent a typical apartment without cost burden, a household would need to make $84,720 per year.[2]

- **Housing Type** – It is important to have a variety of housing types to meet the needs of a community today and in the future. In 2020, 69.6% of homes in Newark were single family detached, 9.5% were single family attached, 4.4% were small multifamily (2-4 units), and 16.5% were medium or large multifamily (5+ units). Between 2010 and 2020, the number of single-family units increased more than multi-family units. Generally, in Newark, the share of the

[1] The Census Bureau's American Community Survey accounts for ethnic origin separate from racial identity. The numbers reported here use an accounting of both such that the racial categories are shown exclusive of Latinx status, to allow for an accounting of the Latinx population regardless of racial identity. The term Hispanic has historically been used to describe people from numerous Central American, South American, and Caribbean countries. In recent years, the term Latino or Latinx has become preferred. This report generally uses Latinx, but occasionally when discussing US Census data, we use Hispanic or Non-Hispanic, to clearly link to the data source.
[2] Note that contract rents may differ significantly from, and often being lower than, current listing prices.

housing stock that is detached single family homes is above that of other jurisdictions in the region.

- **Cost Burden** – The U.S. Department of Housing and Urban Development considers housing to be affordable for a household if the household spends less than 30% of its income on housing costs. A household is considered "cost-burdened" if it spends more than 30% of its monthly income on housing costs, while those who spend more than 50% of their income on housing costs are considered "severely cost-burdened." In Newark, 19.2% of households spend 30%-50% of their income on housing, while 12.4% of households are severely cost burden and use the majority of their income for housing.

- **Displacement/Gentrification** – According to research from The University of California, Berkeley, 0.0% of households in Newark live in neighborhoods that are susceptible to or experiencing displacement, and 0.0% live in areas at risk of or undergoing gentrification. 31.8% of households in Newark live in neighborhoods where low-income households are likely excluded due to prohibitive housing costs. There are various ways to address displacement including ensuring new housing at all income levels is built.

- **Neighborhood** – 9.7% of residents in Newark live in neighborhoods identified as "Highest Resource" or "High Resource" areas by State-commissioned research, while 11.0% of residents live in areas identified by this research as "Low Resource" or "High Segregation and Poverty" areas. These neighborhood designations are based on a range of indicators covering areas such as education, poverty, proximity to jobs and economic opportunities, low pollution levels, and other factors.[3]

- **Special Housing Needs** – Some population groups may have special housing needs that require specific program responses, and these groups may experience barriers to accessing stable housing due to their specific housing circumstances. In Newark, 7.6% of residents have a disability of any kind and may require accessible housing. Additionally, 18.7% of Newark households are larger households with five or more people, who likely need larger housing units with three bedrooms or more. 11.8% of households are female-headed families, which are often at greater risk of housing insecurity.

> ***Note on Data***
>
> *Many of the tables in this report are sourced from data from the Census Bureau's American Community Survey or U.S. Department of Housing and Urban Development's Comprehensive Housing Affordability Strategy (CHAS) data, both of which are samples and as such, are subject to sampling variability. This means that data is an estimate, and that other estimates could be possible if another set of respondents had been reached. We use the five-year release to get a*

[3] For more information on the "opportunity area" categories developed by HCD and the California Tax Credit Allocation Committee, see this website: https://www.treasurer.ca.gov/ctcac/opportunity.asp. The degree to which different jurisdictions and neighborhoods have access to opportunity will likely need to be analyzed as part of new Housing Element requirements related to affirmatively furthering fair housing. ABAG/MTC will be providing jurisdictions with technical assistance on this topic this summer, following the release of additional guidance from HCD.

larger data pool to minimize this "margin of error" but particularly for the smaller cities, the data will be based on fewer responses, and the information should be interpreted accordingly.

Additionally, there may be instances where there is no data available for a jurisdiction for particular data point, or where a value is 0 and the automatically generated text cannot perform a calculation. In these cases, the automatically generated text is "NODATA." Staff should reword these sentences before using them in the context of the Housing Element or other documents.

Note on Figures

Any figure that does not specify geography in the figure name represents data for Newark.

3 LOOKING TO THE FUTURE: REGIONAL HOUSING NEEDS

3.1 Regional Housing Needs Determination

The Plan Bay Area 2050[4] Final Blueprint forecasts that the nine-county Bay Area will add 1.4 million new households between 2015 and 2050. For the eight-year time frame covered by this Housing Element Update, the Department of Housing and Community Development (HCD) has identified the region's housing need as 441,176 units. The total number of housing units assigned by HCD is separated into four income categories that cover housing types for all income levels, from very low-income households to market rate housing.[5] This calculation, known as the Regional Housing Needs Determination (RHND), is based on population projections produced by the California Department of Finance as well as adjustments that incorporate the region's existing housing need. The adjustments result from recent legislation requiring HCD to apply additional adjustment factors to the baseline growth projection from California Department of Finance, in order for the regions to get closer to healthy housing markets. To this end, adjustments focus on the region's vacancy rate, level of overcrowding and the share of cost burdened households, and seek to bring the region more in line with comparable ones.[6] These new laws governing the methodology for how HCD calculates the RHND resulted in a significantly higher number of housing units for which the Bay Area must plan compared to previous RHNA cycles.

3.2 Regional Housing Needs Allocation

A starting point for the Housing Element Update process for every California jurisdiction is the Regional Housing Needs Allocation or RHNA – the share of the RHND assigned to each jurisdiction by the Association of Bay Area Governments (ABAG). State Housing Element Law requires ABAG to develop a methodology that calculates the number of housing units assigned to each city and county and distributes each jurisdiction's housing unit allocation among four affordability levels. For this RHNA cycle, the RHND increased by 135%, from 187,990 to 441,776. For more information on the RHNA process this cycle, see ABAG's website: https://abag.ca.gov/our-work/housing/rhna-regional-housing-needs-allocation

Almost all jurisdictions in the Bay Area are likely to receive a larger RHNA this cycle compared to the last cycle, primarily due to changes in state law that led to a considerably higher RHND compared to previous cycles.

In January 2021, ABAG adopted a Draft RHNA Methodology, which is currently being reviewed by HCD. For Newark, the proposed RHNA to be planned for this cycle is 1,874 units, a slated increase from the last cycle. **Please note that the previously stated figures are merely illustrative, as ABAG has yet to issue Final RHNA allocations. The Final RHNA allocations that local jurisdictions will use for their**

---

[4] Plan Bay Area 2050 is a long-range plan charting the course for the future of the nine-county San Francisco Bay Area. It covers four key issues: the economy, the environment, housing and transportation

[5] HCD divides the RHND into the following four income categories:
Very Low-income: 0-50% of Area Median Income
Low-income: 50-80% of Area Median Income
Moderate-income: 80-120% of Area Median Income
Above Moderate-income: 120% or more of Area Median Income

[6] For more information on HCD's RHND calculation for the Bay Area, see this letter sent to ABAG from HCD on June 9, 2020: https://www.hcd.ca.gov/community-development/housing-element/docs/abagrhna-final060920(r).pdf

Housing Elements will be released at the end of 2021. The potential allocation that Newark would receive from the Draft RHNA Methodology is broken down by income category as follows:

Table 1: Illustrative Regional Housing Needs Allocation from Draft Methodology

Income Group	Newark Units	Alameda County Units	Bay Area Units	Newark Percent	Alameda County Percent	Bay Area Percent
Very Low Income (<50% of AMI)	464	23606	114442	24.8%	26.5%	25.9%
Low Income (50%-80% of AMI)	268	13591	65892	14.3%	15.3%	14.9%
Moderate Income (80%-120% of AMI)	318	14438	72712	17.0%	16.2%	16.5%
Above Moderate Income (>120% of AMI)	824	37362	188130	44.0%	42.0%	42.6%
Total	1874	88997	441176	100.0%	100.0%	100.0%

Source: Association of Bay Area Governments Methodology and tentative numbers were approved by ABAG's Executive board on January 21, 2021 (Resolution No. 02-2021). The numbers were submitted for review to California Housing and Community Development in February 2021, after which an appeals process will take place during the Summer and Fall of 2021.
THESE NUMBERS SHOULD BE CONSIDERED PRELIMINARY AND SUBJECT TO CHANGE PER HCD REVIEW

4 POPULATION, EMPLOYMENT AND HOUSEHOLD CHARACTERISTICS

4.1 Population

The Bay Area is the fifth-largest metropolitan area in the nation and has seen a steady increase in population since 1990, except for a dip during the Great Recession. Many cities in the region have experienced significant growth in jobs and population. While these trends have led to a corresponding increase in demand for housing across the region, the regional production of housing has largely not kept pace with job and population growth. Since 2000, Newark's population has increased by 15.3%; this rate is above that of the region as a whole, at 14.8%. In Newark, roughly 9.5% of its population moved during the past year, a number 3.9 percentage points smaller than the regional rate of 13.4%.

Table 2: Population Growth Trends

Geography	1990	1995	2000	2005	2010	2015	2020
Newark	37861	39681	42471	43522	42573	44371	48966
Alameda County	1276702	1344157	1443939	1498963	1510271	1613528	1670834
Bay Area	6020147	6381961	6784348	7073912	7150739	7595694	7790537

Universe: Total population
Source: California Department of Finance, E-5 series
For more years of data, please refer to the Data Packet Workbook, Table POPEMP-01.

In 2020, the population of Newark was estimated to be 48,966 (see Table 2). From 1990 to 2000, the population increased by 12.2%, while it increased by 0.2% during the first decade of the 2000s. In the most recent decade, the population increased by 15.0%. The population of Newark makes up 2.9% of Alameda County.[7]

[7] To compare the rate of growth across various geographic scales, Figure 1 shows population for the jurisdiction, county, and region indexed to the population in the year 1990. This means that the data points represent the population growth (i.e. percent change) in each of these geographies relative to their populations in 1990.

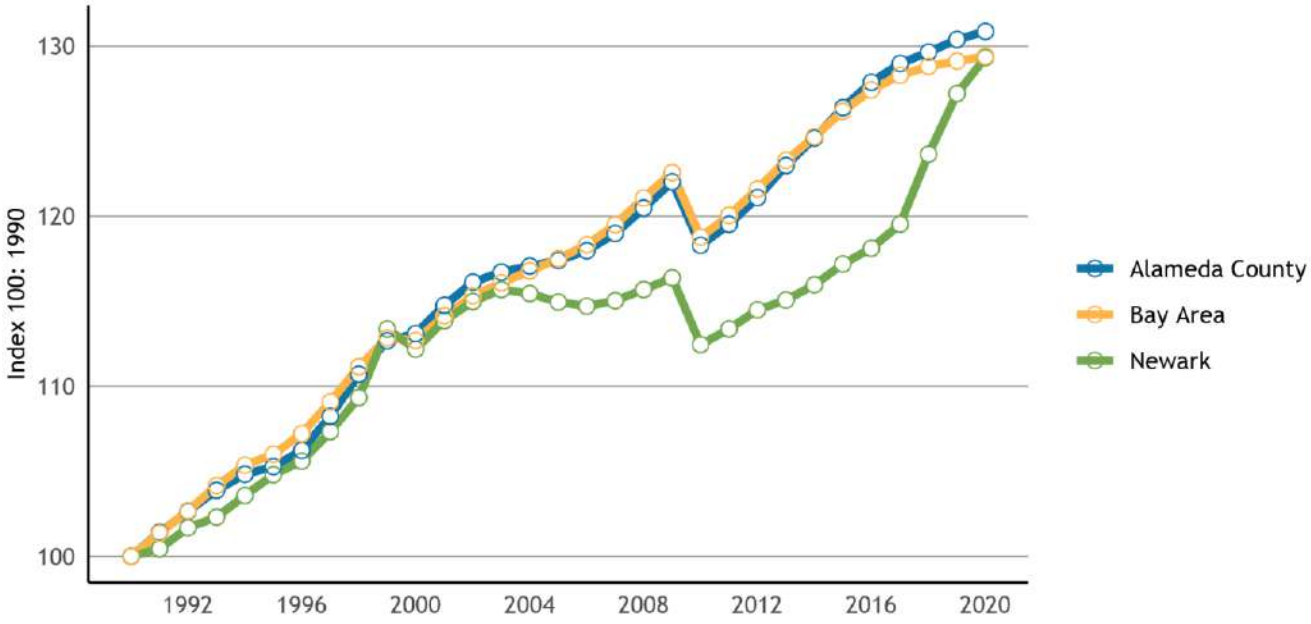


Figure 1: Population Growth Trends

Source: California Department of Finance, E-5 series Note: The data shown on the graph represents population for the jurisdiction, county, and region indexed to the population in the first year shown. The data points represent the relative population growth in each of these geographies relative to their populations in that year.
For some jurisdictions, a break may appear at the end of each decade (1999, 2009) as estimates are compared to census counts. DOF uses the decennial census to benchmark subsequent population estimates.
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-01.

4.2 Age

The distribution of age groups in a city shapes what types of housing the community may need in the near future. An increase in the older population may mean there is a developing need for more senior housing options, while higher numbers of children and young families can point to the need for more family housing options and related services. There has also been a move by many to age-in-place or downsize to stay within their communities, which can mean more multifamily and accessible units are also needed.

In Newark, the median age in 2000 was 32.2; by 2019, this figure had increased, landing at around 37 years. More specifically, the population of those under 14 has decreased since 2010, while the 65-and-over population has increased (see Figure 2).

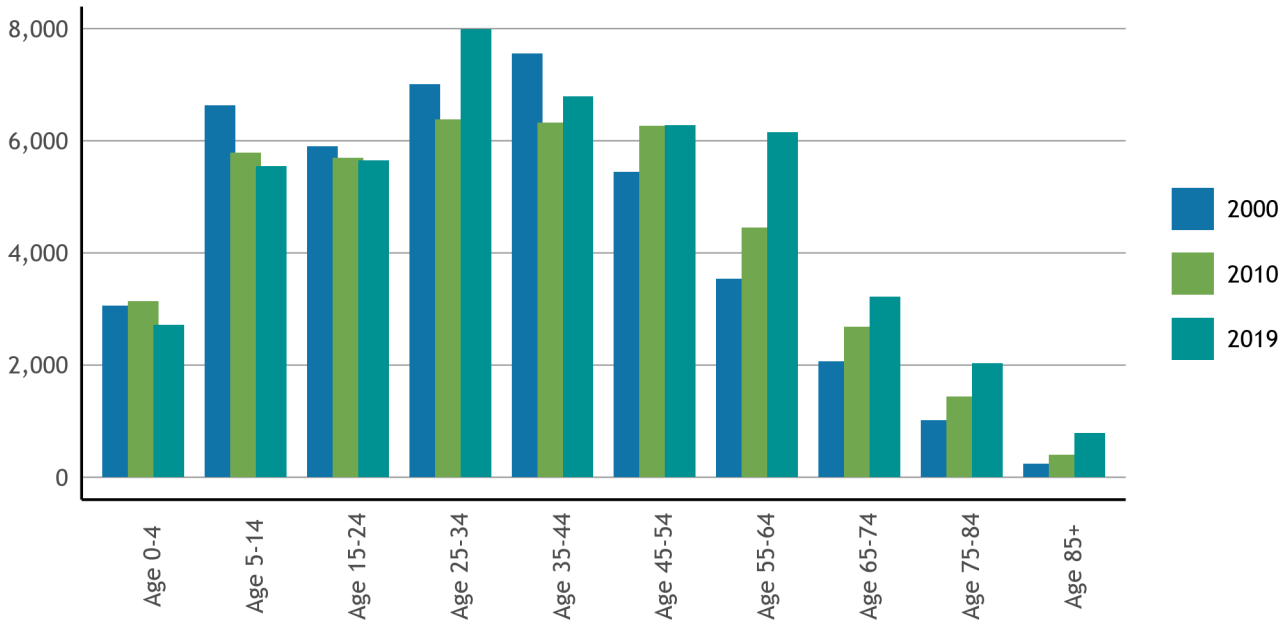


Figure 2: Population by Age, 2000-2019

Universe: Total population
Source: U.S. Census Bureau, Census 2000 SF1, Table P12; U.S. Census Bureau, Census 2010 SF1, Table P12; U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B01001
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-04.

Looking at the senior and youth population by race can add an additional layer of understanding, as families and seniors of color are even more likely to experience challenges finding affordable housing. People of color[8] make up 51.4% of seniors and 73.8% of youth under 18 (see Figure 3).

[8] Here, we count all non-white racial groups

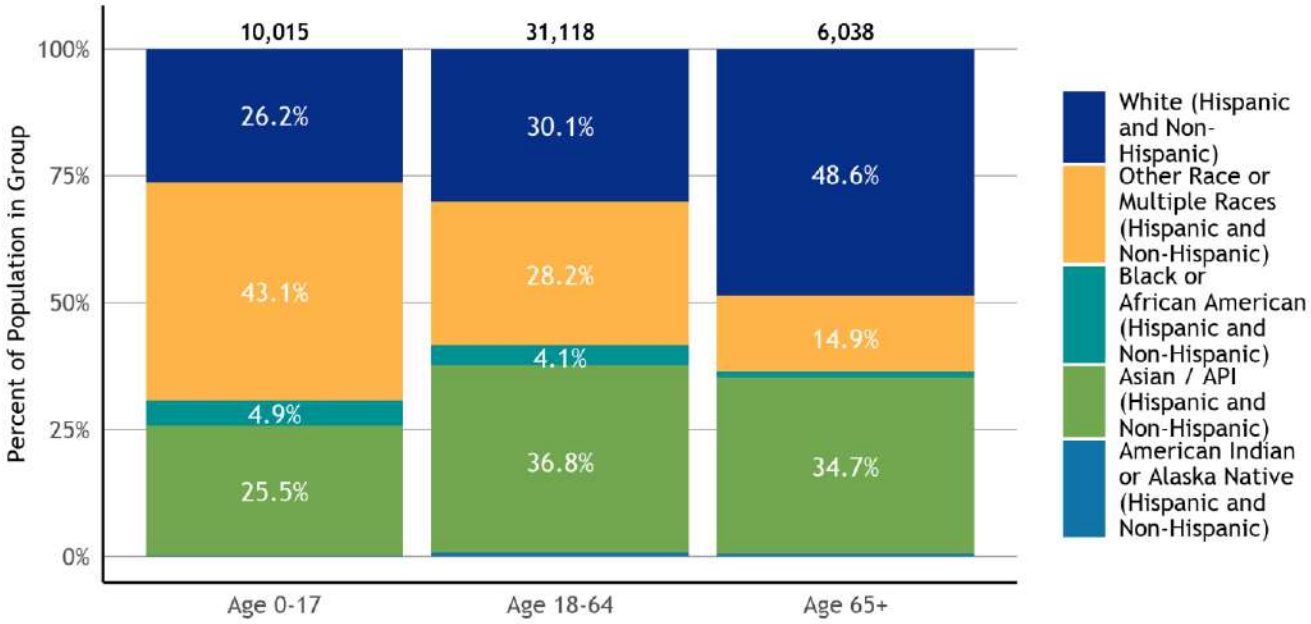


Figure 3: Senior and Youth Population by Race

Universe: Total population
Notes: In the sources for this table, the Census Bureau does not disaggregate racial groups by Hispanic/Latinx ethnicity, and an overlapping category of Hispanic / non-Hispanic groups has not been shown to avoid double counting in the stacked bar chart.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B01001(A-G)
For the data table behind this figure, please refer to the Data Packet Workbook, Table SEN-02.

4.3 Race and Ethnicity

Understanding the racial makeup of a city and region is important for designing and implementing effective housing policies and programs. These patterns are shaped by both market factors and government actions, such as exclusionary zoning, discriminatory lending practices and displacement that has occurred over time and continues to impact communities of color today[9]. Since 2000, the percentage of residents in Newark identifying as White has decreased – and by the same token the percentage of residents of all *other* races and ethnicities has *increased* – by 18.6 percentage points, with the 2019 population standing at 11,168 (see Figure 4). In absolute terms, the *Asian / API, Non-Hispanic* population increased the most while the *White, Non-Hispanic* population decreased the most.

[9] See, for example, Rothstein, R. (2017). The color of law : a forgotten history of how our government segregated America. New York, NY & London, UK: Liveright Publishing.

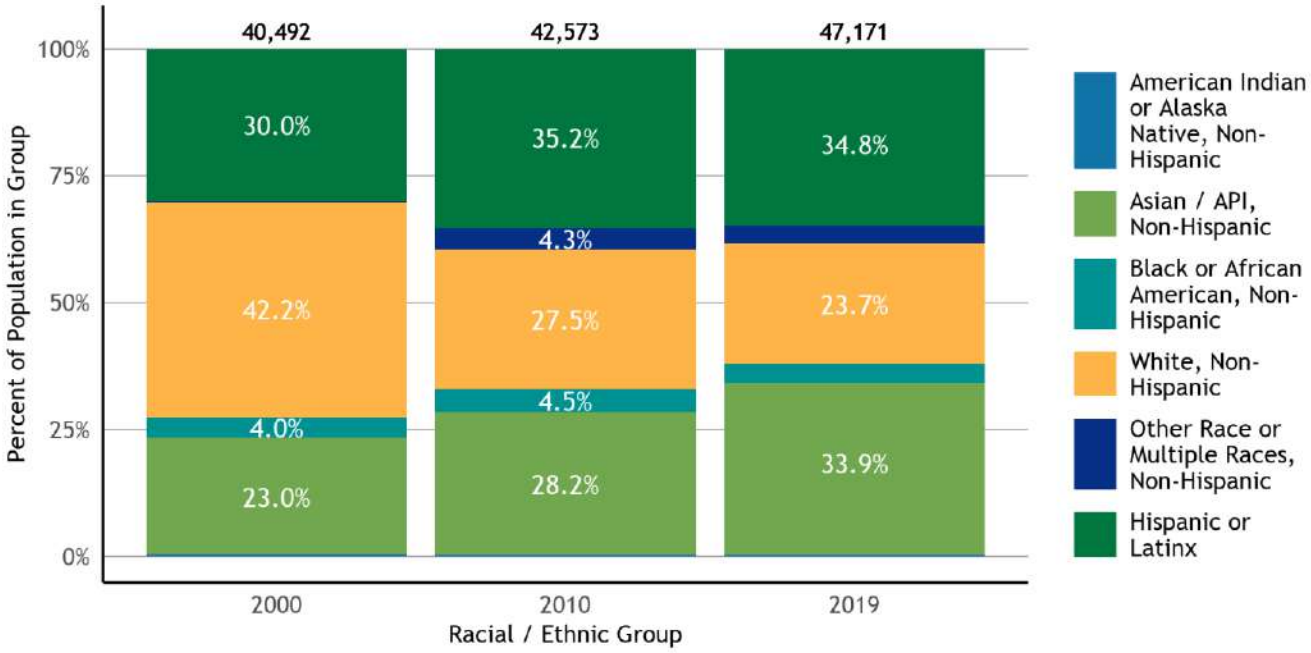


Figure 4: Population by Race, 2000-2019

Universe: Total population
Notes: Data for 2019 represents 2015-2019 ACS estimates. The Census Bureau defines Hispanic/Latinx ethnicity separate from racial categories. For the purposes of this graph, the "Hispanic or Latinx" racial/ethnic group represents those who identify as having Hispanic/Latinx ethnicity and may also be members of any racial group. All other racial categories on this graph represent those who identify with that racial category and do not identify with Hispanic/Latinx ethnicity.
Source: U.S. Census Bureau, Census 2000, Table P004; U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B03002
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-02.

4.4 Employment Trends

4.4.1 Balance of Jobs and Workers

A city houses employed residents who either work in the community where they live or work elsewhere in the region. Conversely, a city may have job sites that employ residents from the same city, but more often employ workers commuting from outside of it. Smaller cities typically will have more employed residents than jobs there and export workers, while larger cities tend to have a surplus of jobs and import workers. To some extent the regional transportation system is set up for this flow of workers to the region's core job centers. At the same time, as the housing affordability crisis has illustrated, local imbalances may be severe, where local jobs and worker populations are out of sync at a sub-regional scale.

One measure of this is the relationship between *workers* and *jobs*. A city with a surplus of workers "exports" workers to other parts of the region, while a city with a surplus of jobs must conversely "import" them. Between 2002 and 2018, the number of jobs in Newark increased by 15.3% (see Figure 5).

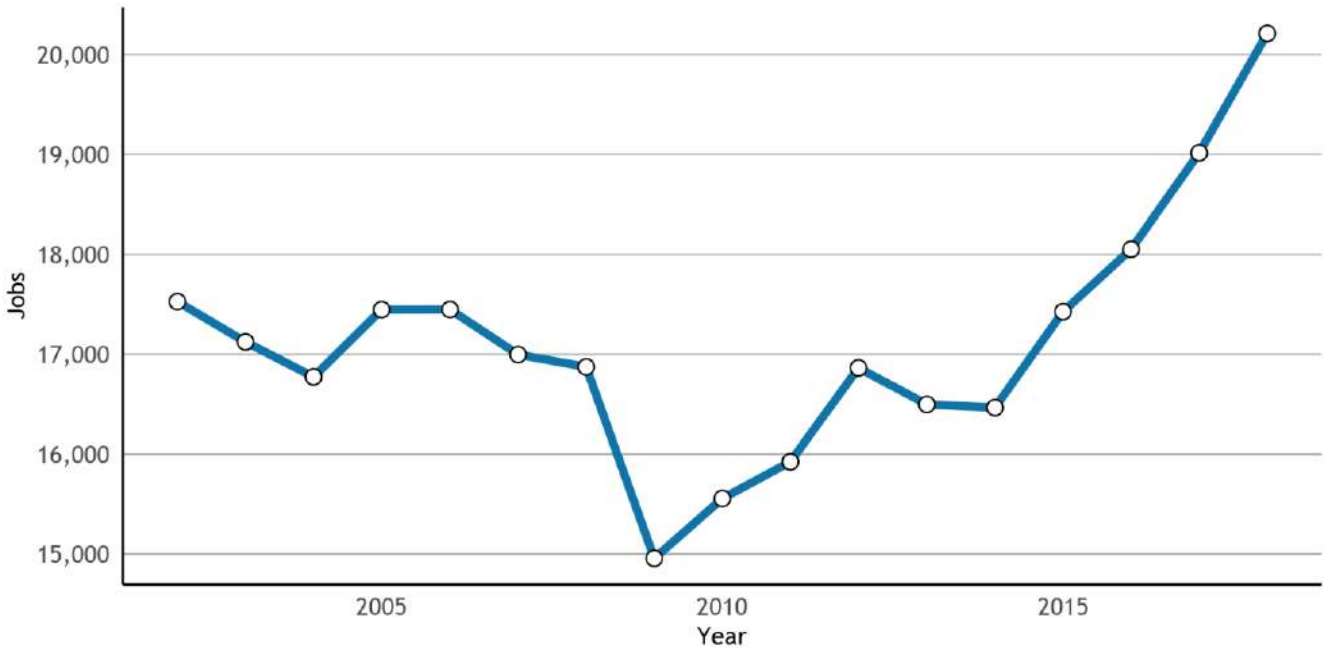


Figure 5: Jobs in a Jurisdiction

Universe: Jobs from unemployment insurance-covered employment (private, state and local government) plus United States Office of Personnel Management-sourced Federal employment
Notes: The data is tabulated by place of work, regardless of where a worker lives. The source data is provided at the census block level. These are crosswalked to jurisdictions and summarized.
Source: U.S. Census Bureau, Longitudinal Employer-Household Dynamics, Workplace Area Characteristics (WAC) files, 2002-2018
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-11.

There are 17,935 employed residents, and 17,168 jobs[10] in Newark - the ratio of jobs to resident workers is 0.96; Newark is *a net exporter of workers*.

Figure 6 shows the balance when comparing jobs to workers, broken down by different wage groups, offering additional insight into local dynamics. A community may offer employment for relatively low-income workers but have relatively few housing options for those workers - or conversely, it may house residents who are low wage workers but offer few employment opportunities for them. Such relationships may cast extra light on potentially pent-up demand for housing in particular price categories. A relative *surplus* of jobs relative to residents in a given wage category suggests the need to import those workers, while conversely, surpluses of workers in a wage group relative to jobs means the community will export those workers to other jurisdictions. Such flows are not inherently bad, though over time, sub-regional imbalances may appear. Newark has more low-wage *jobs* than low-wage *residents* (where low-wage refers to jobs paying less than $25,000). At the other end of the wage

[10] Employed *residents* in a jurisdiction is counted by place of residence (they may work elsewhere) while *jobs* in a jurisdiction are counted by place of work (they may live elsewhere). The jobs may differ from those reported in Figure 5 as the source for the time series is from administrative data, while the cross-sectional data is from a survey.

spectrum, the city has more high-wage *residents* than high-wage *jobs* (where high-wage refers to jobs paying more than $75,000) (see Figure 6).[11]

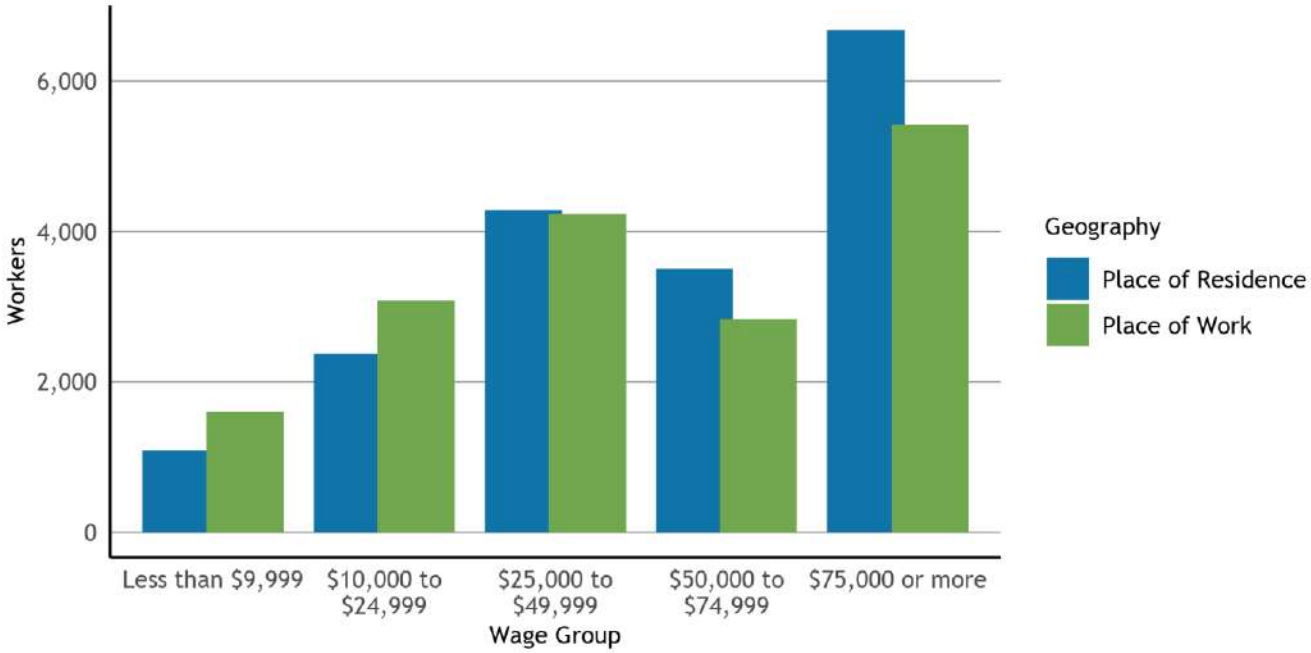


Figure 6: Workers by Earnings, by Jurisdiction as Place of Work and Place of Residence

Universe: Workers 16 years and over with earnings
Source: U.S. Census Bureau, American Community Survey 5-Year Data 2015-2019, B08119, B08519
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-10.

Figure 7 shows the balance of a jurisdiction's resident workers to the jobs located there for different wage groups as a ratio instead - a value of 1 means that a city has the same number of jobs in a wage group as it has resident workers - in principle, a balance. Values above 1 indicate a jurisdiction will need to import workers for jobs in a given wage group. At the regional scale, this ratio is 1.04 jobs for each worker, implying a modest import of workers from outside the region (see Figure 7).

[11] The source table is top-coded at $75,000, precluding more fine grained analysis at the higher end of the wage spectrum.

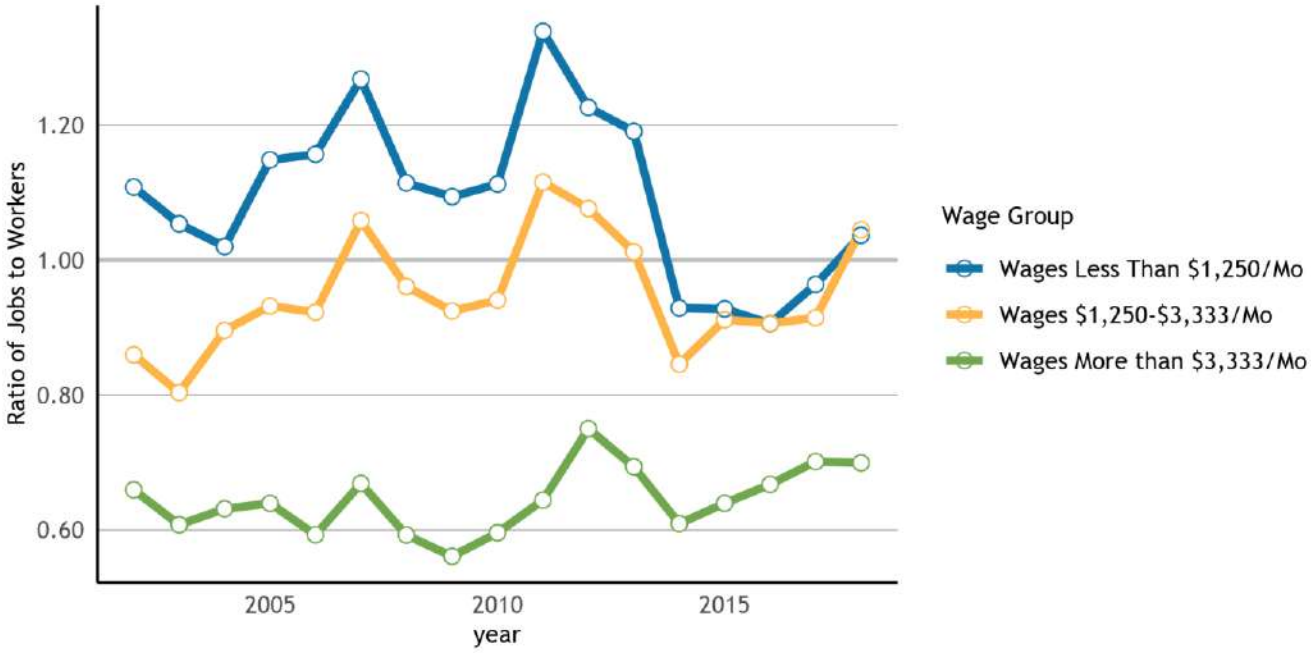


Figure 7: Jobs-Worker Ratios, By Wage Group

Universe: Jobs in a jurisdiction from unemployment insurance-covered employment (private, state and local government) plus United States Office of Personnel Management-sourced Federal employment
Notes: The ratio compares job counts by wage group from two tabulations of LEHD data: Counts by place of work relative to counts by place of residence. See text for details.
Source: U.S. Census Bureau, Longitudinal Employer-Household Dynamics, Workplace Area Characteristics (WAC) files (Jobs); Residence Area Characteristics (RAC) files (Employed Residents), 2010-2018
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-14.

Such balances between jobs and workers may directly influence the housing demand in a community. New jobs may draw new residents, and when there is high demand for housing relative to supply, many workers may be unable to afford to live where they work, particularly where job growth has been in relatively lower wage jobs. This dynamic not only means many workers will need to prepare for long commutes and time spent on the road, but in the aggregate it contributes to traffic congestion and time lost for all road users.

If there are more jobs than employed residents, it means a city is relatively jobs-rich, typically also with a high jobs to household ratio. Thus bringing housing into the measure, the *jobs-household ratio* in Newark has increased from 1.33 in 2002, to 1.49 jobs per household in 2018 (see Figure 8).

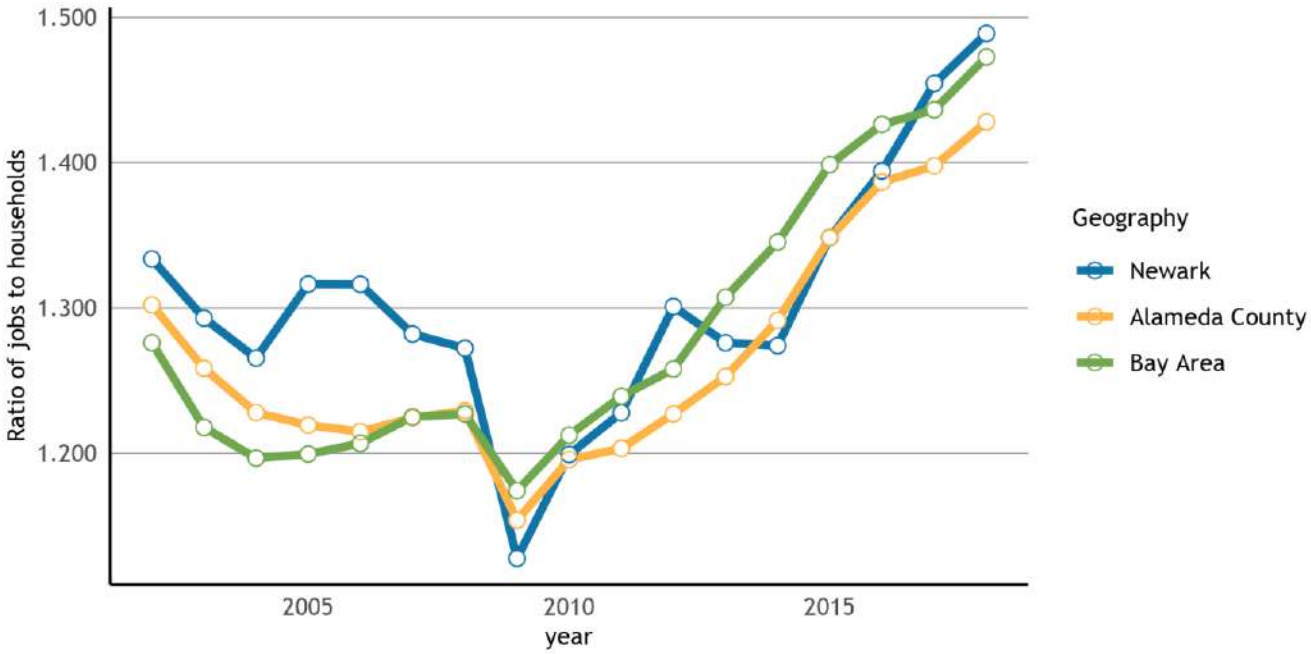


Figure 8: Jobs-Household Ratio

Universe: Jobs in a jurisdiction from unemployment insurance-covered employment (private, state and local government) plus United States Office of Personnel Management-sourced Federal employment; households in a jurisdiction
Notes: The data is tabulated by place of work, regardless of where a worker lives. The source data is provided at the census block level. These are crosswalked to jurisdictions and summarized. The ratio compares place of work wage and salary jobs with households, or occupied housing units. A similar measure is the ratio of jobs to housing units. However, this jobs-household ratio serves to compare the number of jobs in a jurisdiction to the number of housing units that are actually occupied. The difference between a jurisdiction's jobs-housing ratio and jobs-household ratio will be most pronounced in jurisdictions with high vacancy rates, a high rate of units used for seasonal use, or a high rate of units used as short-term rentals.
Source: U.S. Census Bureau, Longitudinal Employer-Household Dynamics, Workplace Area Characteristics (WAC) files (Jobs), 2002-2018; California Department of Finance, E-5 (Households)
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-13.

4.4.2 Sector Composition

In terms of sectoral composition, the largest industry in which Newark residents work is *Manufacturing, Wholesale & Transportation*, and the largest sector in which Alameda residents work is *Health & Educational Services* (see Figure 9). For the Bay Area as a whole, the *Health & Educational Services* industry employs the most workers.

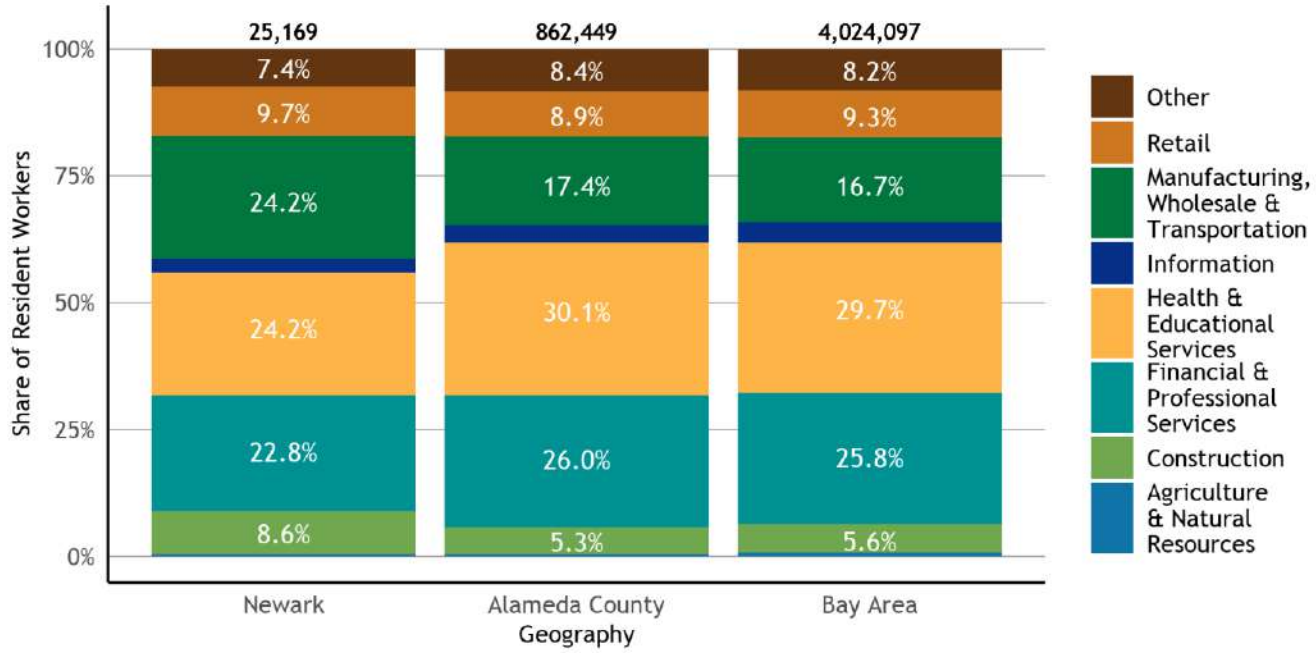


Figure 9: Resident Employment by Industry

Universe: Civilian employed population age 16 years and over
Notes: The data displayed shows the industries in which jurisdiction residents work, regardless of the location where those residents are employed (whether within the jurisdiction or not). Categories are derived from the following source tables: Agriculture & Natural Resources: C24030_003E, C24030_030E; Construction: C24030_006E, C24030_033E; Manufacturing, Wholesale & Transportation: C24030_007E, C24030_034E, C24030_008E, C24030_035E, C24030_010E, C24030_037E; Retail: C24030_009E, C24030_036E; Information: C24030_013E, C24030_040E; Financial & Professional Services: C24030_014E, C24030_041E, C24030_017E, C24030_044E; Health & Educational Services: C24030_021E, C24030_024E, C24030_048E, C24030_051E; Other: C24030_027E, C24030_054E, C24030_028E, C24030_055E
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table C24030
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-06.

4.4.3 Unemployment

In Newark, there was a 3.7 percentage point decrease in the unemployment rate between January 2010 and January 2021. Jurisdictions through the region experienced a sharp rise in unemployment in 2020 due to impacts related to the COVID-19 pandemic, though with a general improvement and recovery in the later months of 2020.

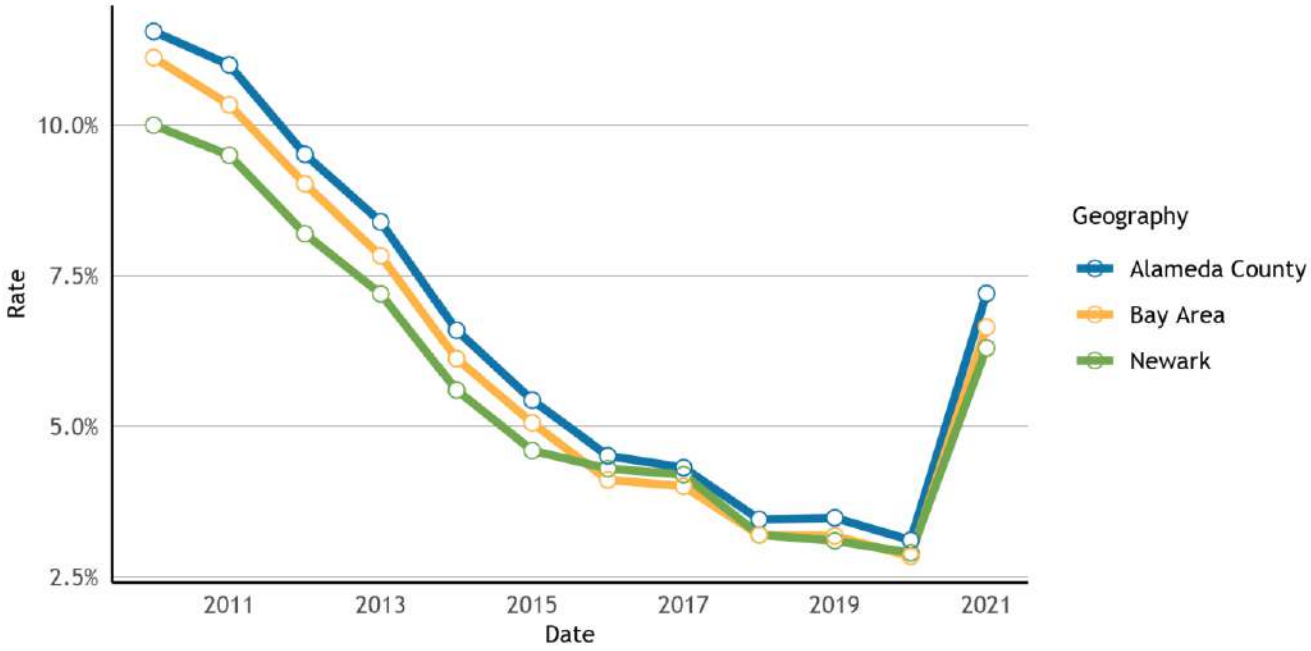


Figure 10: Unemployment Rate

Universe: Civilian noninstitutional population ages 16 and older
Notes: Unemployment rates for the jurisdiction level is derived from larger-geography estimates. This method assumes that the rates of change in employment and unemployment are exactly the same in each sub-county area as at the county level. If this assumption is not true for a specific sub-county area, then the estimates for that area may not be representative of the current economic conditions. Since this assumption is untested, caution should be employed when using these data. Only not seasonally-adjusted labor force (unemployment rates) data are developed for cities and CDPs.
Source: California Employment Development Department, Local Area Unemployment Statistics (LAUS), Sub-county areas monthly updates, 2010-2021.
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-15.

4.5 Extremely Low-Income Households

Despite the economic and job growth experienced throughout the region since 1990, the income gap has continued to widen. California is one of the most economically unequal states in the nation, and the Bay Area has the highest income inequality between high- and low-income households in the state[12].

In Newark, 57.5% of households make more than 100% of the Area Median Income (AMI)[13], compared to 10.3% making less than 30% of AMI, which is considered extremely low-income (see Figure 11).

[12] Bohn, S.et al. 2020. Income Inequality and Economic Opportunity in California. *Public Policy Institute of California*.
[13] Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located. Households making between 80 and 120 percent of the AMI are moderate-income, those making 50 to 80 percent are low-income, those making 30 to 50

Regionally, more than half of all households make more than 100% AMI, while 15% make less than 30% AMI. In Alameda County, 30% AMI is the equivalent to the annual income of $34,850 for a family of four. Many households with multiple wage earners – including food service workers, full-time students, teachers, farmworkers and healthcare professionals – can fall into lower AMI categories due to relatively stagnant wages in many industries.

Note on Estimating the Projected Number of Extremely Low-Income Households

Local jurisdictions are required to provide an estimate for their projected extremely low-income households in their Housing Elements. HCD's official Housing Element guidance notes that jurisdictions can use their RHNA for very low-income households (those making 0-50% AMI) to calculate their projected extremely low-income households. For more information, visit HCD's Building Blocks page on Extremely Low-Income Housing Needs.

This document does not contain the required data point of projected extremely low-income households, as Bay Area jurisdictions have not yet received their final RHNA numbers. Once Newark receives its 6th Cycle RHNA, staff can estimate the projected extremely low-income households using one of the following three methodologies:

Option A: *Assume that 59.8% of Newark's very low-income RHNA is for extremely low-income households.*

According to HCD's Regional Housing Need Determination for the Bay Area, 15.5% of the region's housing need is for 0-30% AMI households while 25.9% is for 0-50% AMI households. Therefore, extremely low-income housing need represents 59.8% of the region's very low-income housing need, as 15.5 divided by 25.9 is 59.8%. This option aligns with HCD's guidance to use U.S. Census data to calculate the percentage of very low-income RHNA that qualifies for extremely low-income households, as HCD uses U.S. Census data to calculate the Regional Housing Need Determination.

Option B: *Assume that 55.2% of Newark's very low-income RHNA is for extremely low-income households.*

According to the data shown below (Figure 11), 2,508 of Newark's households are 0-50% AMI while 1,384 are extremely low-income. Therefore, extremely low-income households represent 55.2% of households who are 0-50% AMI, as 1,384 divided by 2,508 is 55.2%. This option aligns with HCD's guidance to use U.S. Census data to calculate the percentage of very low-income RHNA that qualifies for extremely low-income households, as the information in Figure 11 represents a tabulation of Census Bureau Data.

Option C: *Assume that 50% of Newark's very low-income RHNA is for extremely low-income households.*

HCD's guidance notes that instead of using use U.S. Census data to calculate the percentage of very low-income RHNA that qualifies for extremely low-income households, local jurisdictions can presume that 50% of their RHNA for very low-income households qualifies for extremely low-income households.

percent are very low-income, and those making less than 30 percent are extremely low-income. This is then adjusted for household size.

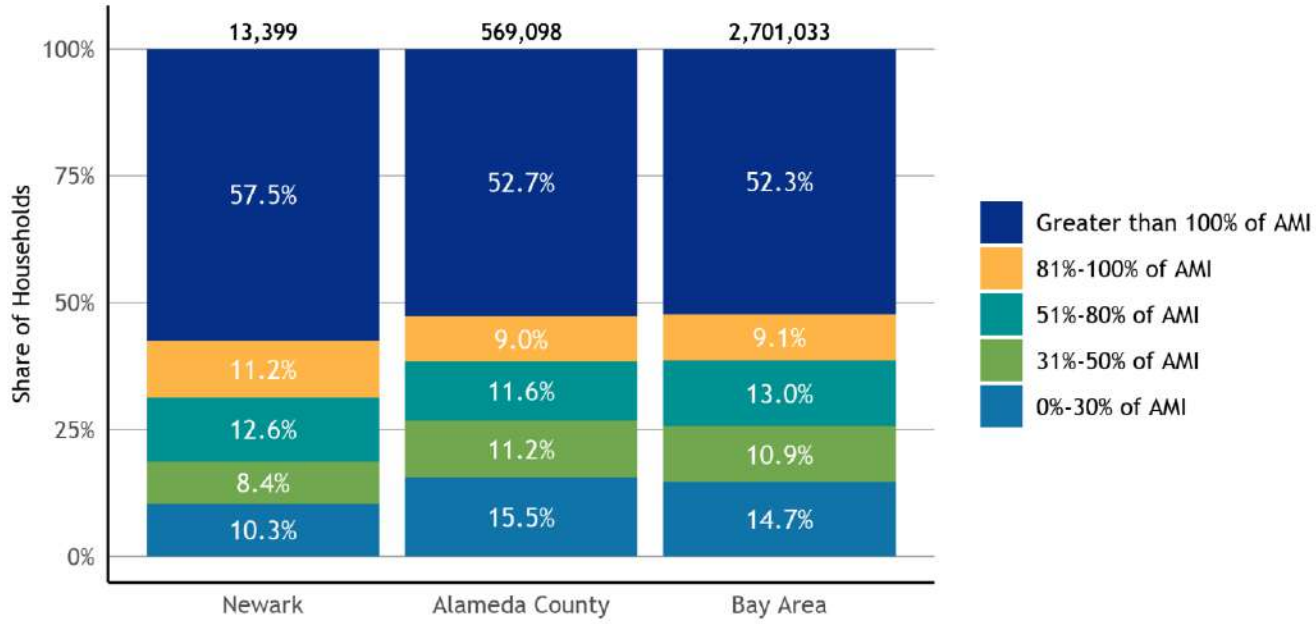


Figure 11: Households by Household Income Level

Universe: Occupied housing units
Notes: Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located. The data that is reported for the Bay Area is not based on a regional AMI but instead refers to the regional total of households in an income group relative to the AMI for the county where that household is located. Local jurisdictions are required to provide an estimate for their projected extremely low-income households (0-30% AMI) in their Housing Elements. HCD's official Housing Element guidance notes that jurisdictions can use their RHNA for very low-income households (those making 0-50% AMI) to calculate their projected extremely low-income households. As Bay Area jurisdictions have not yet received their final RHNA numbers, this document does not contain the required data point of projected extremely low-income households. The report portion of the housing data needs packet contains more specific guidance for how local staff can calculate an estimate for projected extremely low-income households once jurisdictions receive their 6th cycle RHNA numbers.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table ELI-01.

Throughout the region, there are disparities between the incomes of homeowners and renters. Typically, the number of low-income renters greatly outpaces the amount of housing available that is affordable for these households.

In Newark, the largest proportion of renters falls in the *Greater than 100% of AMI* income group, while the largest proportion of homeowners are found in the *Greater than 100% of AMI* group (see Figure 12).

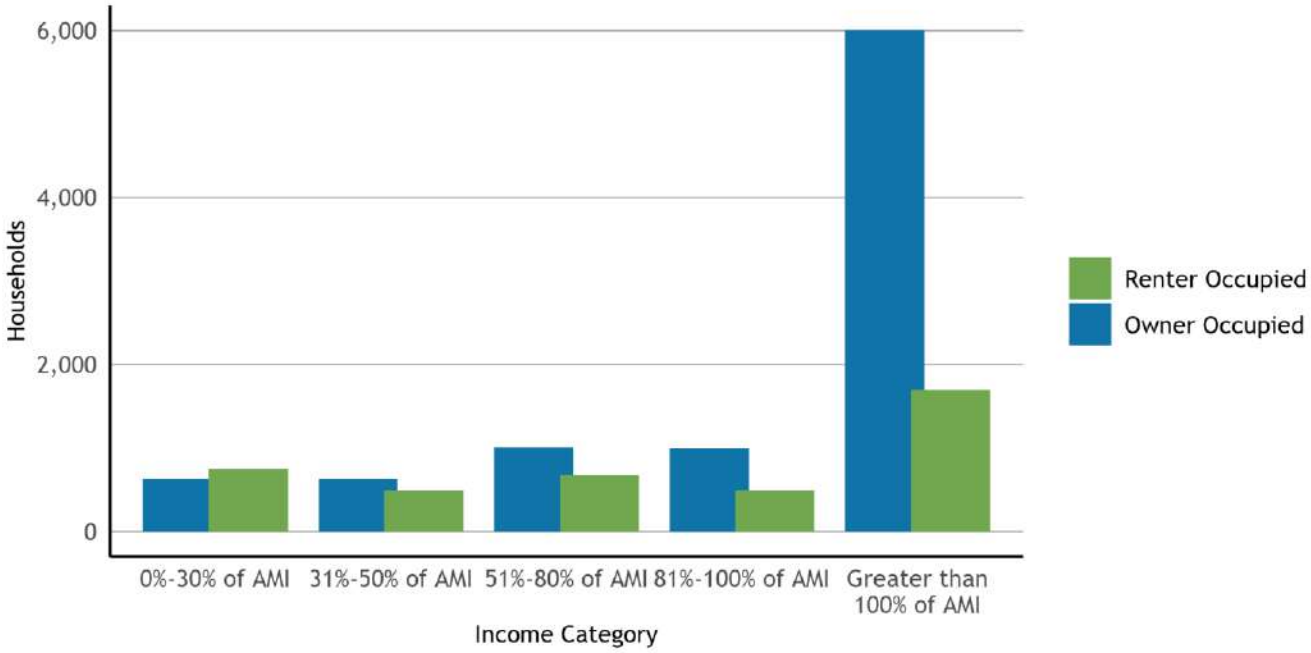


Figure 12: Household Income Level by Tenure

Universe: Occupied housing units
Notes: Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-21.

Currently, people of color are more likely to experience poverty and financial instability as a result of federal and local housing policies that have historically excluded them from the same opportunities extended to white residents.[14] These economic disparities also leave communities of color at higher risk for housing insecurity, displacement or homelessness. In Newark, Black or African American (Hispanic and Non-Hispanic) residents experience the highest rates of poverty, followed by American Indian or Alaska Native (Hispanic and Non-Hispanic) residents (see Figure 13).

[14] Moore, E., Montojo, N. and Mauri, N., 2019. Roots, Race & Place: A History of Racially Exclusionary Housing the San Francisco Bay Area. *Hass Institute*.

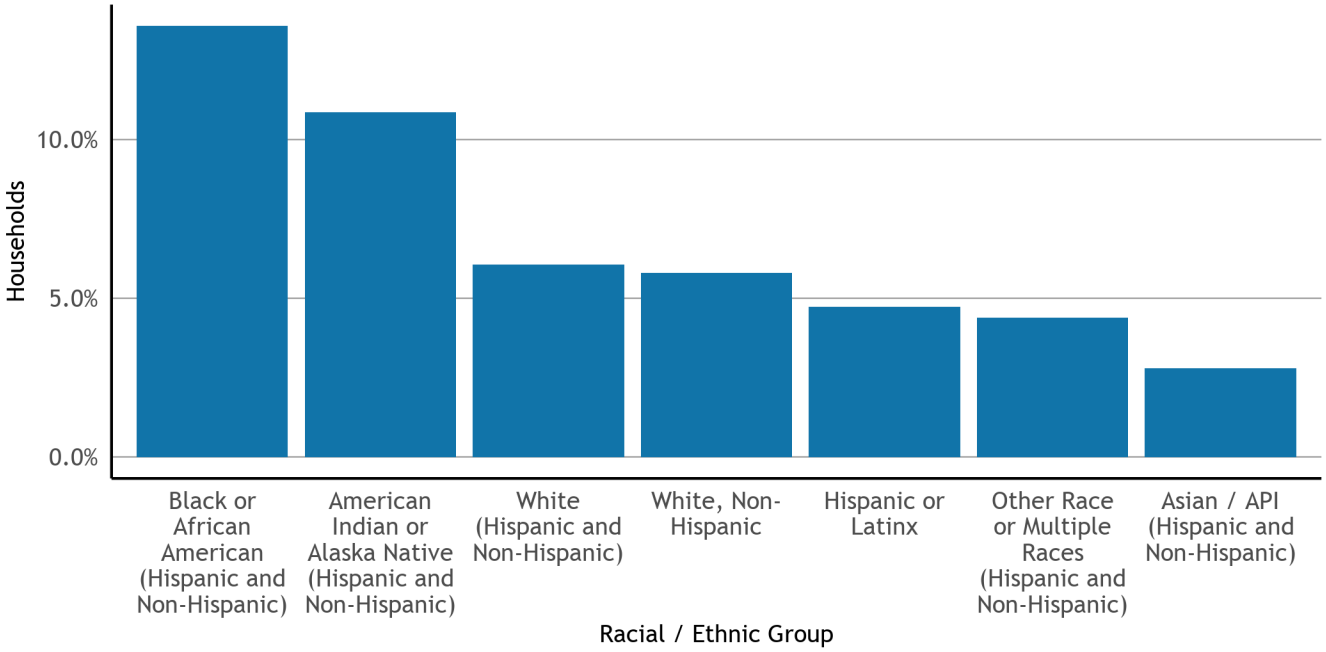


Figure 13: Poverty Status by Race

Universe: Population for whom poverty status is determined
Notes: The Census Bureau uses a federally defined poverty threshold that remains constant throughout the country and does not correspond to Area Median Income. For this table, the Census Bureau does not disaggregate racial groups by Hispanic/Latinx ethnicity. However, data for the white racial group is also reported for white householders who are not Hispanic/Latinx. Since residents who identify as white and Hispanic/Latinx may have very different experiences within the housing market and the economy from those who identify as white and non-Hispanic/Latinx, data for multiple white sub-groups are reported here. The racial/ethnic groups reported in this table are not all mutually exclusive. Therefore, the data should not be summed as the sum exceeds the population for whom poverty status is determined for this jurisdiction. However, all groups labelled "Hispanic and Non-Hispanic" are mutually exclusive, and the sum of the data for these groups is equivalent to the population for whom poverty status is determined.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B17001(A-I)
For the data table behind this figure, please refer to the Data Packet Workbook, Table ELI-03.

4.6 Tenure

The number of residents who own their homes compared to those who rent their homes can help identify the level of housing insecurity – ability for individuals to stay in their homes – in a city and region. Generally, renters may be displaced more quickly if prices increase. In Newark there are a total of 14,047 housing units, and fewer residents rent than own their homes: 31.2% versus 68.8% (see Figure 14). By comparison, 46.5% of households in Alameda County are renters, while 44% of Bay Area households rent their homes.

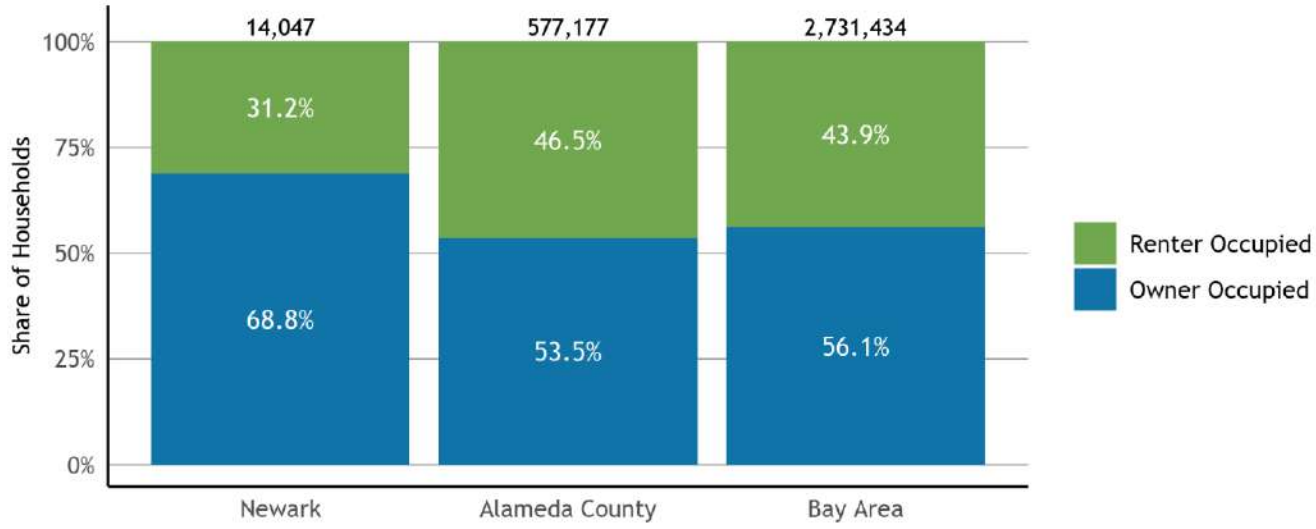


Figure 14: Housing Tenure

Universe: Occupied housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25003
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-16.

Homeownership rates often vary considerably across race/ethnicity in the Bay Area and throughout the country. These disparities not only reflect differences in income and wealth but also stem from federal, state, and local policies that limited access to homeownership for communities of color while facilitating homebuying for white residents. While many of these policies, such as redlining, have been formally disbanded, the impacts of race-based policy are still evident across Bay Area communities.[15] In Newark, 54.1% of Black households owned their homes, while homeownership rates were 74.5% for Asian households, 54.1% for Latinx households, and 77.1% for White households. Notably, recent changes to state law require local jurisdictions to examine these dynamics and other fair housing issues when updating their Housing Elements.

[15] See, for example, Rothstein, R. (2017). The color of law : a forgotten history of how our government segregated America. New York, NY & London, UK: Liveright Publishing.

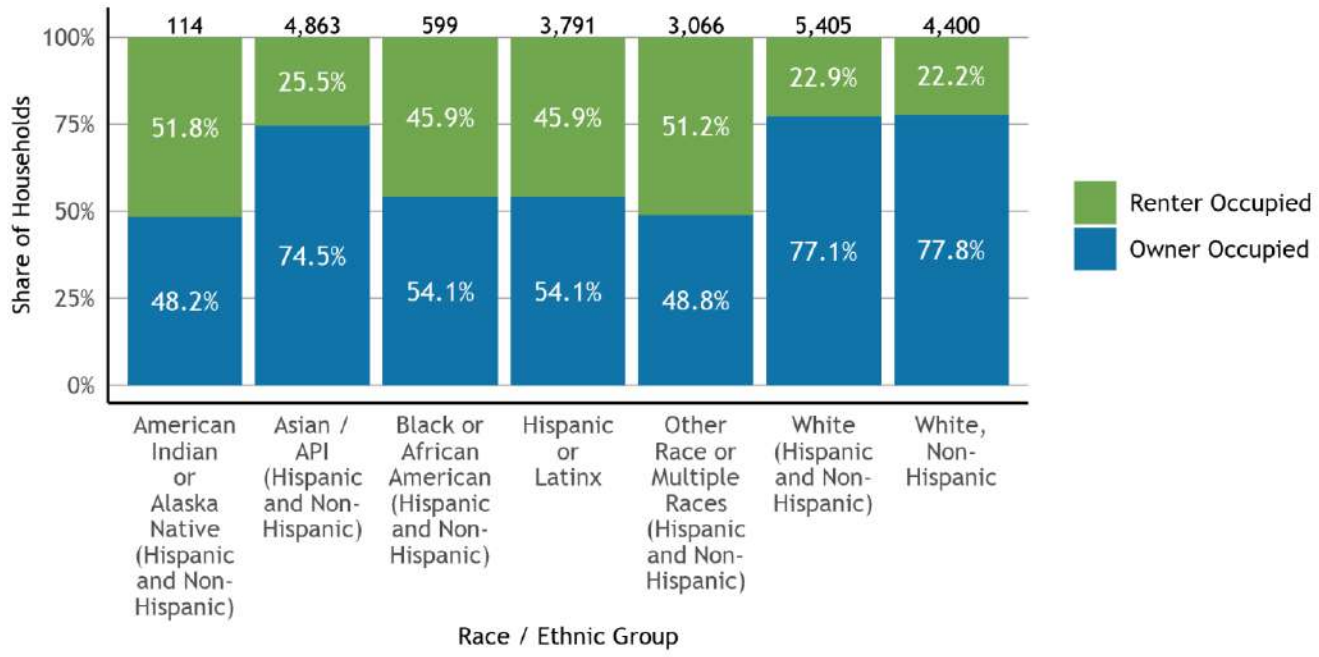


Figure 15: Housing Tenure by Race of Householder

Universe: Occupied housing units
Notes: For this table, the Census Bureau does not disaggregate racial groups by Hispanic/Latinx ethnicity. However, data for the white racial group is also reported for white householders who are not Hispanic/Latinx. Since residents who identify as white and Hispanic/Latinx may have very different experiences within the housing market and the economy from those who identify as white and non-Hispanic/Latinx, data for multiple white sub-groups are reported here. The racial/ethnic groups reported in this table are not all mutually exclusive. Therefore, the data should not be summed as the sum exceeds the total number of occupied housing units for this jurisdiction. However, all groups labelled "Hispanic and Non-Hispanic" are mutually exclusive, and the sum of the data for these groups is equivalent to the total number of occupied housing units.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25003(A-I)
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-20.

The age of residents who rent or own their home can also signal the housing challenges a community is experiencing. Younger households tend to rent and may struggle to buy a first home in the Bay Area due to high housing costs. At the same time, senior homeowners seeking to downsize may have limited options in an expensive housing market.

In Newark, 43.6% of householders between the ages of 25 and 44 are renters, while 13.5% of householders over 65 are (see Figure 16).

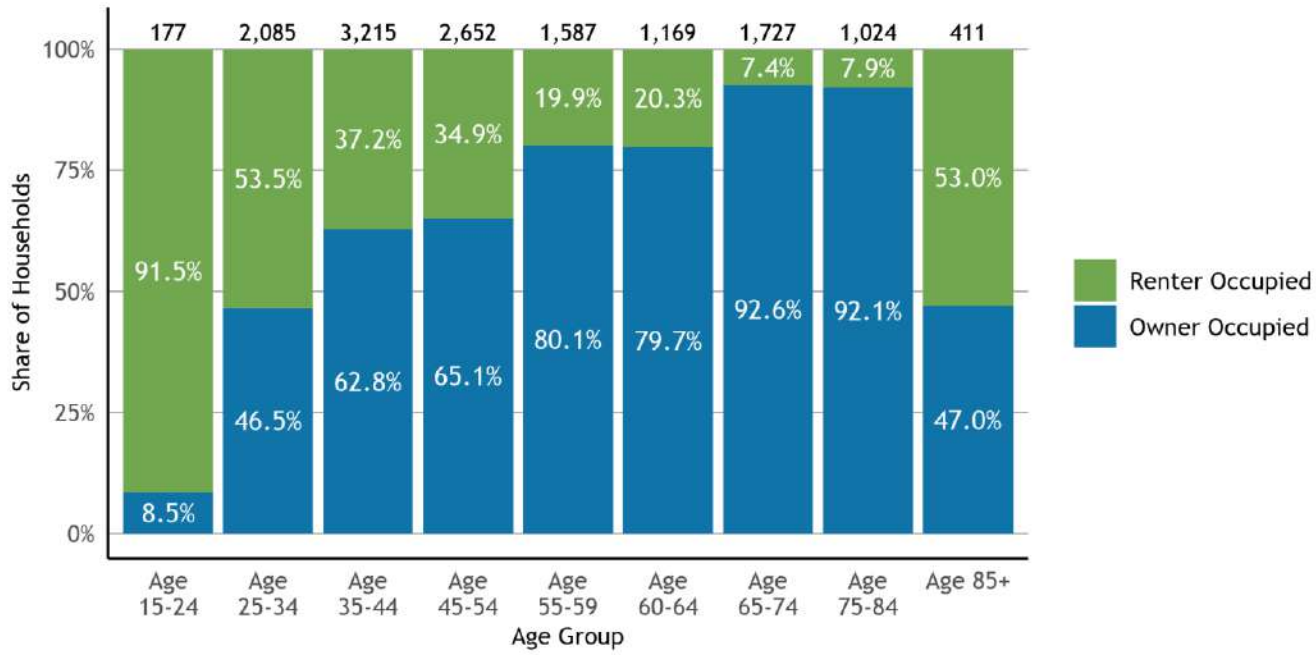


Figure 16: Housing Tenure by Age

Universe: Occupied housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25007
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-18.

In many cities, homeownership rates for households in single-family homes are substantially higher than the rates for households in multi-family housing. In Newark, 82.3% of households in detached single-family homes are homeowners, while 22.7% of households in multi-family housing are homeowners (see Figure 17).

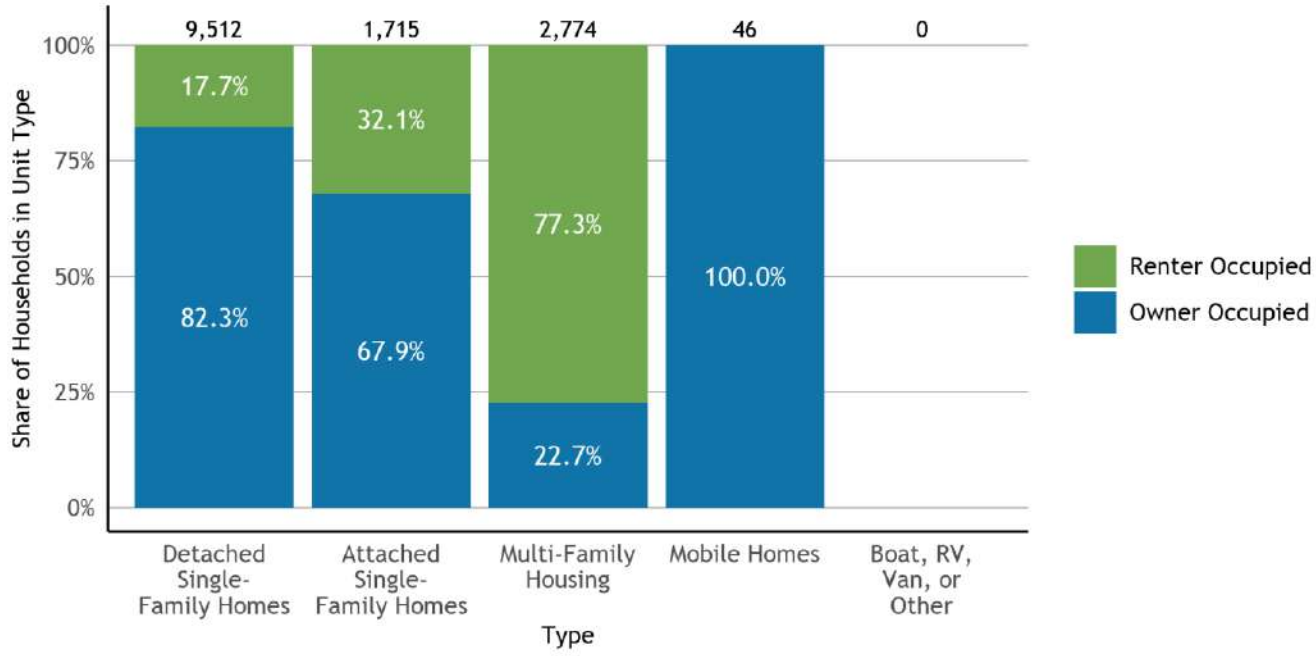


Figure 17: Housing Tenure by Housing Type

Universe: Occupied housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25032
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-22.

4.7 Displacement

Because of increasing housing prices, displacement is a major concern in the Bay Area. Displacement has the most severe impacts on low- and moderate-income residents. When individuals or families are forced to leave their homes and communities, they also lose their support network.

The University of California, Berkeley has mapped all neighborhoods in the Bay area, identifying their risk for gentrification. They find that in Newark, 0.0% of households live in neighborhoods that are susceptible to or experiencing displacement and 0.0% live in neighborhoods at risk of or undergoing gentrification.

Equally important, some neighborhoods in the Bay Area do not have housing appropriate for a broad section of the workforce. UC Berkeley estimates that 31.8% of households in Newark live in neighborhoods where low-income households are likely to be excluded due to prohibitive housing costs.[16]

[16] More information about this gentrification and displacement data is available at the Urban Displacement Project's webpage: https://www.urbandisplacement.org/. Specifically, one can learn more about the different gentrification/displacement typologies shown in Figure 18 at this link: https://www.urbandisplacement.org/sites/default/files/typology_sheet_2018_0.png. Additionally, one can view maps that show which typologies correspond to which parts of a jurisdiction here: https://www.urbandisplacement.org/san-francisco/sf-bay-area-gentrification-and-displacement

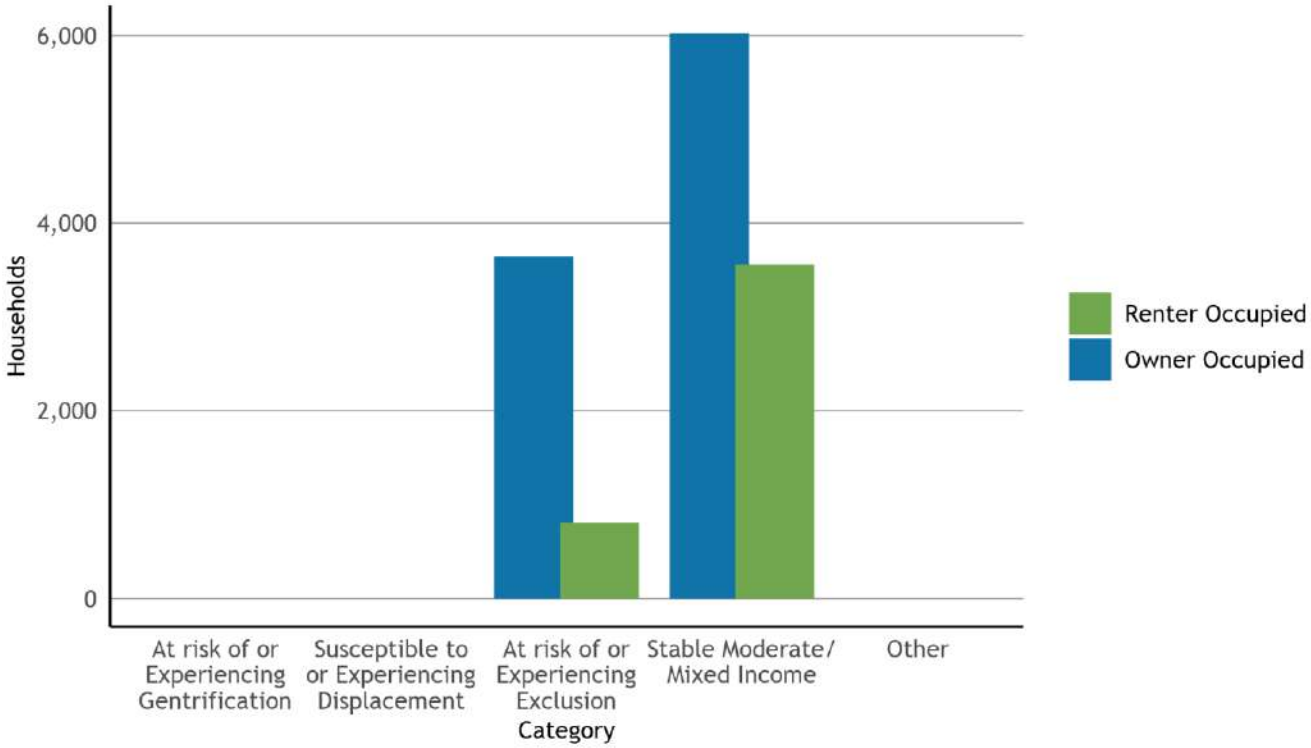


Figure 18: Households by Displacement Risk and Tenure

Universe: Households
Notes: Displacement data is available at the census tract level. Staff aggregated tracts up to jurisdiction level using census 2010 population weights, assigning a tract to jurisdiction in proportion to block level population weights. Total household count may differ slightly from counts in other tables sourced from jurisdiction level sources. Categories are combined as follows for simplicity: At risk of or Experiencing Exclusion: At Risk of Becoming Exclusive; Becoming Exclusive; Stable/Advanced Exclusive At risk of or Experiencing Gentrification: At Risk of Gentrification; Early/Ongoing Gentrification; Advanced Gentrification Stable Moderate/Mixed Income: Stable Moderate/Mixed Income Susceptible to or Experiencing Displacement: Low-Income/Susceptible to Displacement; Ongoing Displacement Other: High Student Population; Unavailable or Unreliable Data
Source: Urban Displacement Project for classification, American Community Survey 5-Year Data (2015-2019), Table B25003 for tenure.
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-25.

5 HOUSING STOCK CHARACTERISTICS

5.1 Housing Types, Year Built, Vacancy, and Permits

In recent years, most housing produced in the region and across the state consisted of single-family homes and larger multi-unit buildings. However, some households are increasingly interested in "missing middle housing" – including duplexes, triplexes, townhomes, cottage clusters and accessory dwelling units (ADUs). These housing types may open up more options across incomes and tenure, from young households seeking homeownership options to seniors looking to downsize and age-in-place.

The housing stock of Newark in 2020 was made up of 69.6% single family detached homes, 9.5% single family attached homes, 4.4% multifamily homes with 2 to 4 units, 16.5% multifamily homes with 5 or more units, and 0.0% mobile homes (see Figure 19). In Newark, the housing type that experienced the most growth between 2010 and 2020 was *Single-Family Home: Detached*.

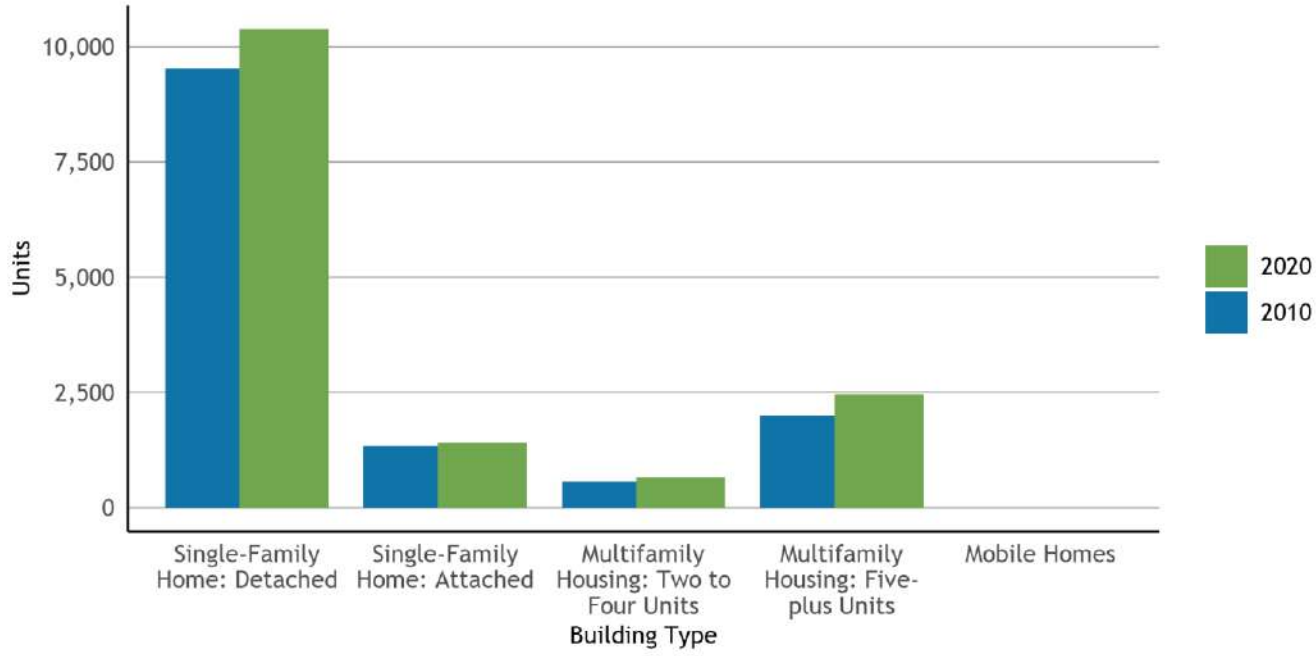


Figure 19: Housing Type Trends

Universe: Housing units
Source: California Department of Finance, E-5 series
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-01.

Production has not kept up with housing demand for several decades in the Bay Area, as the total number of units built and available has not yet come close to meeting the population and job growth experienced throughout the region. In Newark, the largest proportion of the housing stock was built 1960 to 1979, with 7,737 units constructed during this period (see Figure 20). Since 2010, 4.9% of the current housing stock was built, which is 713 units.

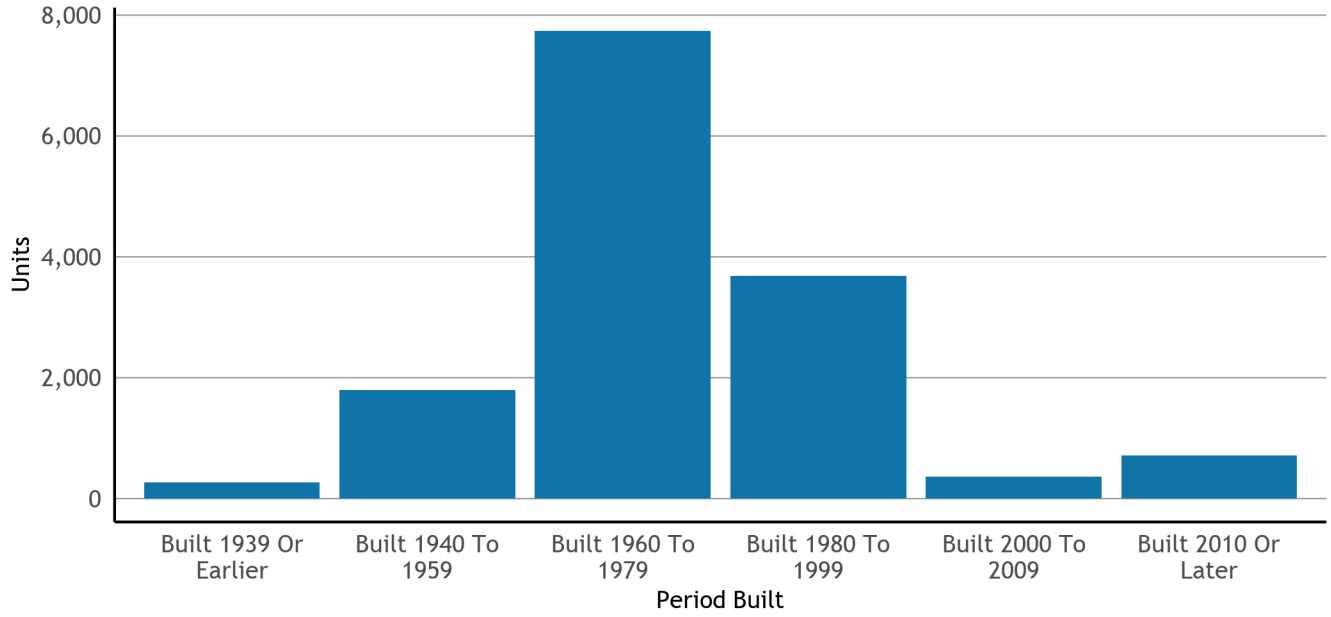


Figure 20: Housing Units by Year Structure Built

Universe: Housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25034
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-04.

Vacant units make up 3.5% of the overall housing stock in Newark. The rental vacancy stands at 2.6%, while the ownership vacancy rate is 1.7%. Of the vacant units, the most common type of vacancy is *For Seasonal, Recreational, Or Occasional Use* (see Figure 21).[17]

Throughout the Bay Area, vacancies make up 2.6% of the total housing units, with homes listed for rent; units used for *recreational or occasional use*, and units not otherwise classified (*other vacant*) making up the majority of vacancies. The Census Bureau classifies a unit as vacant if no one is occupying it when census interviewers are conducting the American Community Survey or Decennial Census. Vacant units classified as "for recreational or occasional use" are those that are held for short-term periods of use throughout the year. Accordingly, vacation rentals and short-term rentals like AirBnB are likely to fall in this category. The Census Bureau classifies units as "other vacant" if they are vacant due to foreclosure, personal/family reasons, legal proceedings, repairs/renovations, abandonment, preparation for being rented or sold, or vacant for an extended absence for reasons such as a work assignment, military duty, or incarceration.[18] In a region with a thriving economy and housing market like the Bay Area, units being renovated/repaired and prepared for rental or sale are likely to represent a large portion of the "other vacant" category. Additionally, the need for seismic retrofitting

[17] The vacancy rates by tenure is for a smaller universe than the total vacancy rate first reported, which in principle includes the full stock (3.5%). The vacancy by tenure counts are rates relative to the rental stock (occupied and vacant) and ownership stock (occupied and vacant) - but exclude a a significant number of vacancy categories, including the numerically significant *other vacant*.
[18] For more information, see pages 3 through 6 of this list of definitions prepared by the Census Bureau: https://www.census.gov/housing/hvs/definitions.pdf.

in older housing stock could also influence the proportion of "other vacant" units in some jurisdictions.[19]

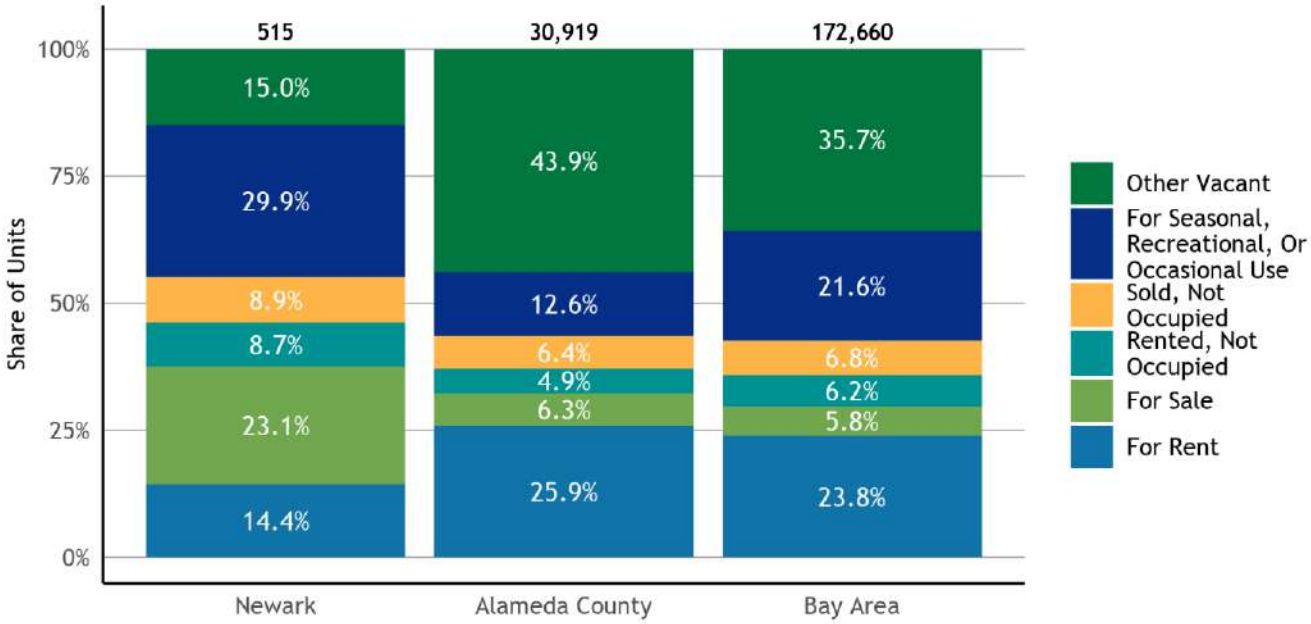


Figure 21: Vacant Units by Type

Universe: Vacant housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25004
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-03.

Between 2015 and 2019, 829 housing units were issued permits in Newark. 95.7% of permits issued in Newark were for above moderate-income housing, 4.3% were for moderate-income housing, and 0.0% were for low- or very low-income housing (see Table 3).

Table 3: Housing Permitting

Income Group	value
Above Moderate Income Permits	793
Moderate Income Permits	36
Low Income Permits	0
Very Low Income Permits	0

Universe: Housing permits issued between 2015 and 2019
Notes: HCD uses the following definitions for the four income categories: Very Low Income: units affordable to households making less than 50% of the Area Median Income for the county in which the jurisdiction is located. Low Income: units affordable to households making between 50% and 80% of the Area Median Income for the county in which the jurisdiction is located. Moderate Income: units affordable to households making between 80% and 120% of the Area Median Income for the

[19] See Dow, P. (2018). Unpacking the Growth in San Francisco's Vacant Housing Stock: Client Report for the San Francisco Planning Department. University of California, Berkeley.

county in which the jurisdiction is located. Above Moderate Income: units affordable to households making above 120% of the Area Median Income for the county in which the jurisdiction is located.
Source: California Department of Housing and Community Development (HCD), 5th Cycle Annual Progress Report Permit Summary (2020)
This table is included in the Data Packet Workbook as Table HSG-11.

5.2 Assisted Housing Developments At-Risk of Conversion

While there is an immense need to produce new affordable housing units, ensuring that the existing affordable housing stock remains affordable is equally important. Additionally, it is typically faster and less expensive to preserve currently affordable units that are at risk of converting to market-rate than it is to build new affordable housing.

The data in the table below comes from the California Housing Partnership's Preservation Database, the state's most comprehensive source of information on subsidized affordable housing at risk of losing its affordable status and converting to market-rate housing. However, this database does not include all deed-restricted affordable units in the state, so there may be at-risk assisted units in a jurisdiction that are not captured in this data table. There are 274 assisted units in Newark in the Preservation Database. Of these units, 0.0% are at *High Risk* or *Very High Risk* of conversion.[20]

Note on At-Risk Assisted Housing Developments

HCD requires that Housing Elements list the assisted housing developments at risk of converting to market-rate uses. For more information on the specific properties that are at Moderate Risk, High Risk, or Very High Risk of conversion, local jurisdiction staff should contact Danielle Mazzella, Preservation & Data Manager at the California Housing Partnership, at dmazzella@chpc.net.

Table 4: Assisted Units at Risk of Conversion

Income	Newark	Alameda County	Bay Area
Low	274	23040	110177
Moderate	0	167	3375
High	0	189	1854
Very High	0	106	1053
Total Assisted Units in Database	274	23502	116459

Universe: HUD, Low-Income Housing Tax Credit (LIHTC), USDA, and CalHFA projects. Subsidized or assisted developments that do not have one of the aforementioned financing sources may not be included.

[20] California Housing Partnership uses the following categories for assisted housing developments in its database:
Very-High Risk: affordable homes that are at-risk of converting to market rate within the next year that do not have a known overlapping subsidy that would extend affordability and are not owned by a large/stable non-profit, mission-driven developer.
High Risk: affordable homes that are at-risk of converting to market rate in the next 1-5 years that do not have a known overlapping subsidy that would extend affordability and are not owned by a large/stable non-profit, mission-driven developer.
Moderate Risk: affordable homes that are at-risk of converting to market rate in the next 5-10 years that do not have a known overlapping subsidy that would extend affordability and are not owned by a large/stable non-profit, mission-driven developer.
Low Risk: affordable homes that are at-risk of converting to market rate in 10+ years and/or are owned by a large/stable non-profit, mission-driven developer.

Notes: While California Housing Partnership's Preservation Database is the state's most comprehensive source of information on subsidized affordable housing at risk of losing its affordable status and converting to market-rate housing, this database does not include all deed-restricted affordable units in the state. Consequently, there may be at-risk assisted units in a jurisdiction that are not captured in this data table. Per HCD guidance, local jurisdictions must also list the specific affordable housing developments at-risk of converting to market rate uses. This document provides aggregate numbers of at-risk units for each jurisdiction, but local planning staff should contact Danielle Mazzella with the California Housing Partnership at dmazzella@chpc.net to obtain a list of affordable properties that fall under this designation. California Housing Partnership uses the following categories for assisted housing developments in its database: Very-High Risk: affordable homes that are at-risk of converting to market rate within the next year that do not have a known overlapping subsidy that would extend affordability and are not owned by a large/stable non-profit, mission-driven developer. High Risk: affordable homes that are at-risk of converting to market rate in the next 1-5 years that do not have a known overlapping subsidy that would extend affordability and are not owned by a large/stable non-profit, mission-driven developer. Moderate Risk: affordable homes that are at-risk of converting to market rate in the next 5-10 years that do not have a known overlapping subsidy that would extend affordability and are not owned by a large/stable non-profit, mission-driven developer. Low Risk: affordable homes that are at-risk of converting to market rate in 10+ years and/or are owned by a large/stable non-profit, mission-driven developer.
Source: California Housing Partnership, Preservation Database (2020)
This table is included in the Data Packet Workbook as Table RISK-01.

5.3 Substandard Housing

Housing costs in the region are among the highest in the country, which could result in households, particularly renters, needing to live in substandard conditions in order to afford housing. Generally, there is limited data on the extent of substandard housing issues in a community. However, the Census Bureau data included in the graph below gives a sense of some of the substandard conditions that may be present in Newark. For example, 0.3% of renters in Newark reported lacking a kitchen and 0.0% of renters lack plumbing, compared to 0.3% of owners who lack a kitchen and 0.1% of owners who lack plumbing.

Note on Substandard Housing

HCD requires Housing Elements to estimate the number of units in need of rehabilitation and replacement. As a data source for housing units in need of rehabilitation and replacement is not available for all jurisdictions in the region, ABAG was not able to provide this required data point in this document. To produce an estimate of housing needs in need of rehabilitation and replacement, staff can supplement the data below on substandard housing issues with additional local information from code enforcement, recent windshield surveys of properties, building department data, knowledgeable builders/developers in the community, or nonprofit housing developers or organizations. For more information, visit HCD's Building Blocks page on Housing Stock Characteristics.

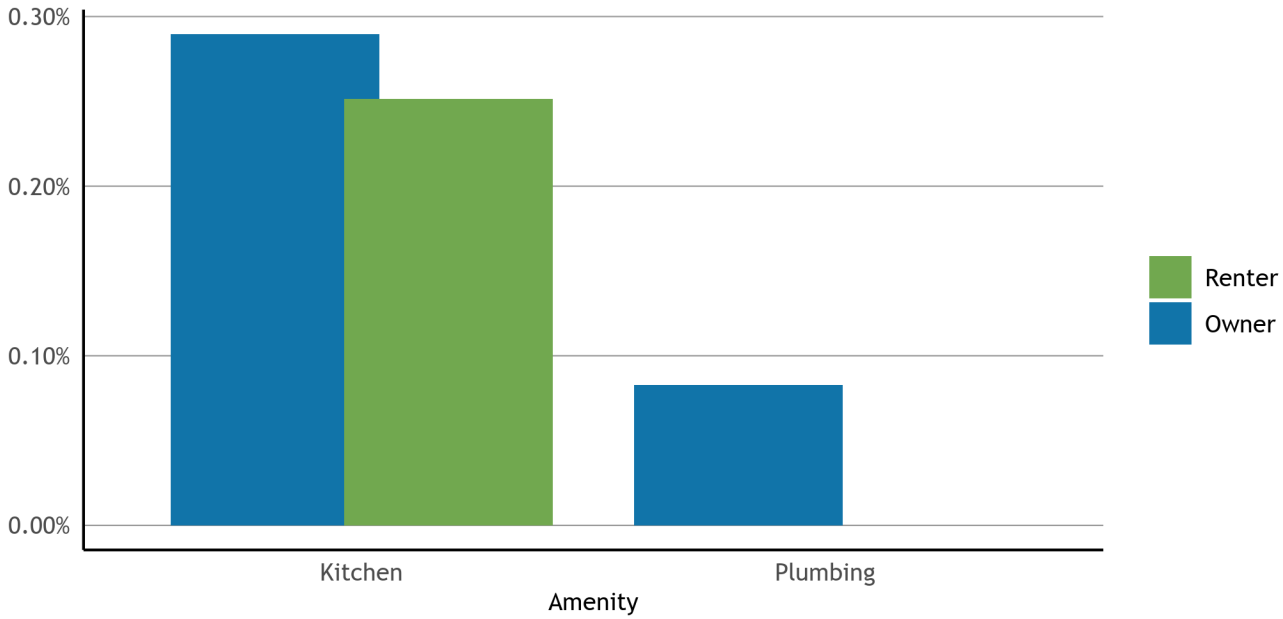


Figure 22: Substandard Housing Issues

Universe: Occupied housing units
Notes: Per HCD guidance, this data should be supplemented by local estimates of units needing to be rehabilitated or replaced based on recent windshield surveys, local building department data, knowledgeable builders/developers in the community, or nonprofit housing developers or organizations.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25053, Table B25043, Table B25049
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-06.

5.4 Home and Rent Values

Home prices reflect a complex mix of supply and demand factors, including an area's demographic profile, labor market, prevailing wages and job outlook, coupled with land and construction costs. In the Bay Area, the costs of housing have long been among the highest in the nation. The typical home value in Newark was estimated at $978,600 by December of 2020, per data from Zillow. The largest proportion of homes were valued between $750k-$1M (see Figure 23). By comparison, the typical home value is $951,380 in Alameda County and $1,077,230 the Bay Area, with the largest share of units valued $500k-$750k.

The region's home values have increased steadily since 2000, besides a decrease during the Great Recession. The rise in home prices has been especially steep since 2012, with the median home value in the Bay Area nearly doubling during this time. Since 2001, the typical home value has increased 165.8% in Newark from $368,220 to $978,600. This change is above the change in Alameda County, and above the change for the region (see Figure 24).

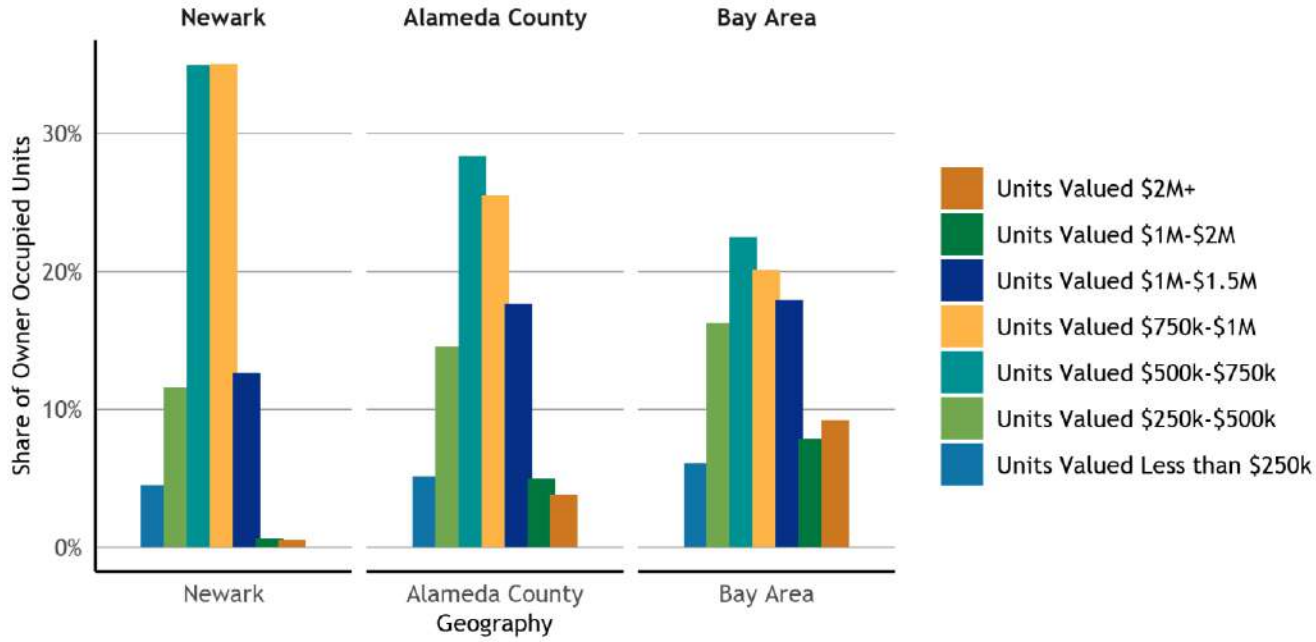


Figure 23: Home Values of Owner-Occupied Units

Universe: Owner-occupied units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25075
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-07.

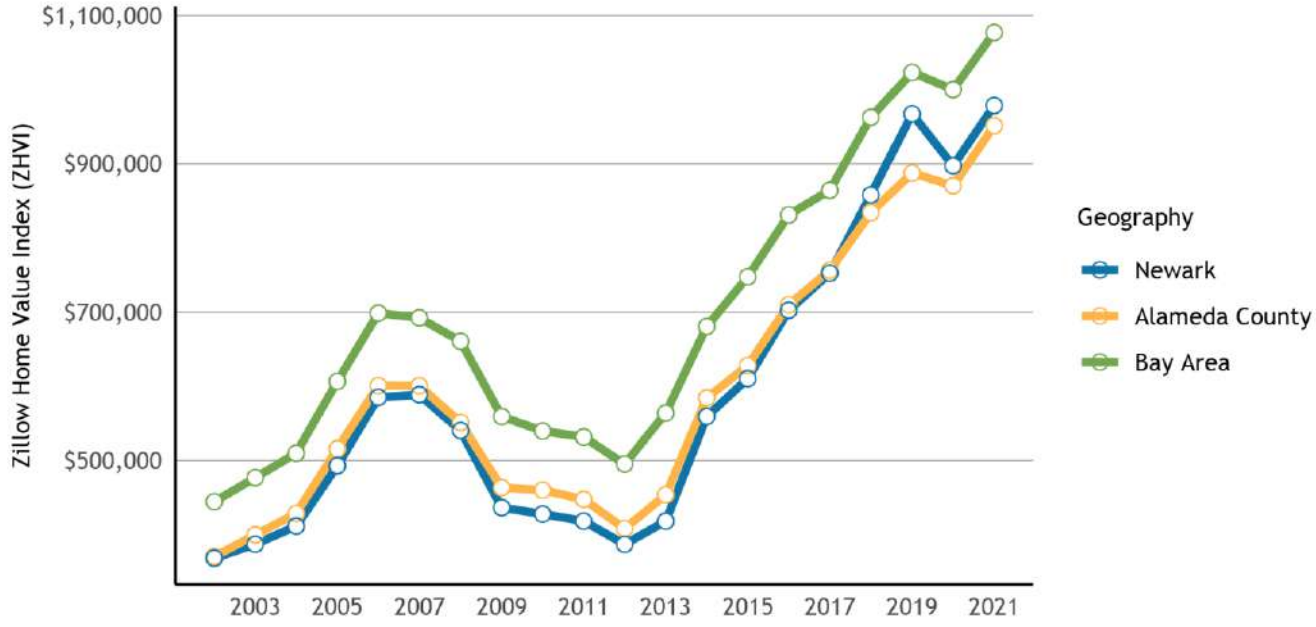


Figure 24: Zillow Home Value Index (ZHVI)

Universe: Owner-occupied housing units
Notes: Zillow describes the ZHVI as a smoothed, seasonally adjusted measure of the typical home value and market changes across a given region and housing type. The ZHVI reflects the typical value for homes in the 35th to 65th percentile range. The

ZHVI includes all owner-occupied housing units, including both single-family homes and condominiums. More information on the ZHVI is available from Zillow. The regional estimate is a household-weighted average of county-level ZHVI files, where household counts are yearly estimates from DOF's E-5 series For unincorporated areas, the value is a population weighted average of unincorporated communities in the county matched to census-designated population counts.
Source: Zillow, Zillow Home Value Index (ZHVI)
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-08.

Similar to home values, rents have also increased dramatically across the Bay Area in recent years. Many renters have been priced out, evicted or displaced, particularly communities of color. Residents finding themselves in one of these situations may have had to choose between commuting long distances to their jobs and schools or moving out of the region, and sometimes, out of the state.

In Newark, the largest proportion of rental units rented in the *Rent $2000-$2500* category, totaling 26.8%, followed by 25.6% of units renting in the *Rent $1500-$2000* category (see Figure 25). Looking beyond the city, the largest share of units is in the *rent for $1500-$2000* category.

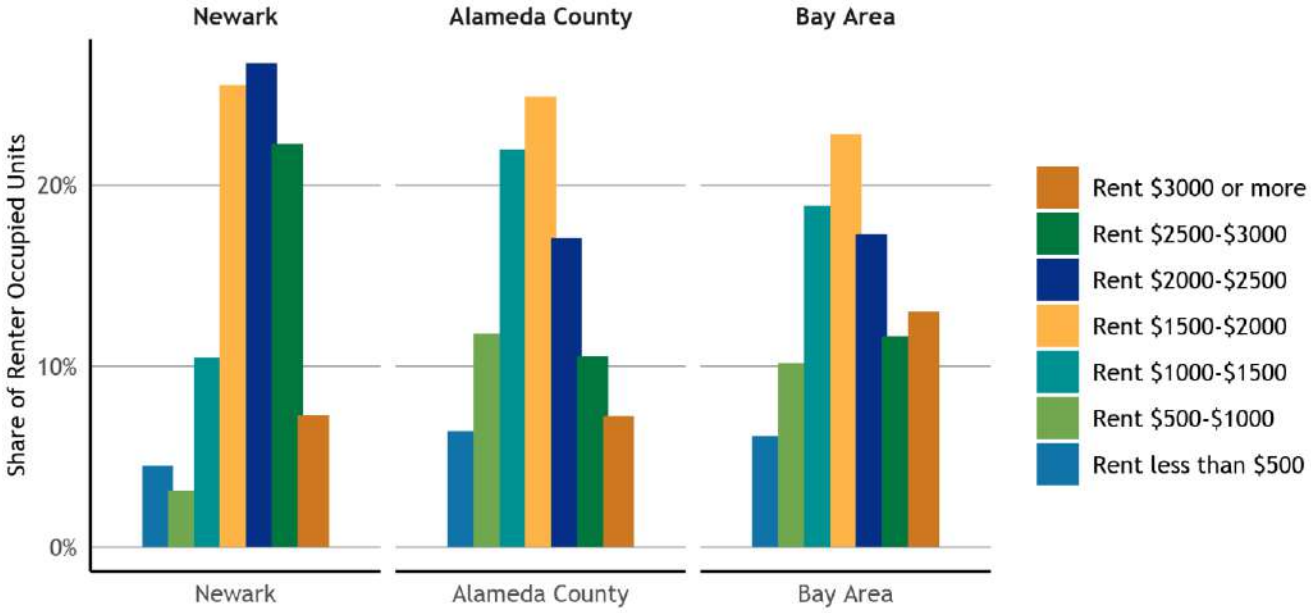


Figure 25: Contract Rents for Renter-Occupied Units

Universe: Renter-occupied housing units paying cash rent
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25056
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-09.

Since 2009, the median rent has increased by 61.1% in Newark, from $1,510 to $2,110 per month (see Figure 26). In Alameda County, the median rent has increased 36.0%, from $1,240 to $1,690. The median rent in the region has increased significantly during this time from $1,200 to $1,850, a 54% increase.[21]

[21] While the data on home values shown in Figure 24 comes from Zillow, Zillow does not have data on rent prices available for most Bay Area jurisdictions. To have a more comprehensive dataset on rental data for the region, the rent data in this document comes from the U.S. Census Bureau's American Community Survey, which may not fully

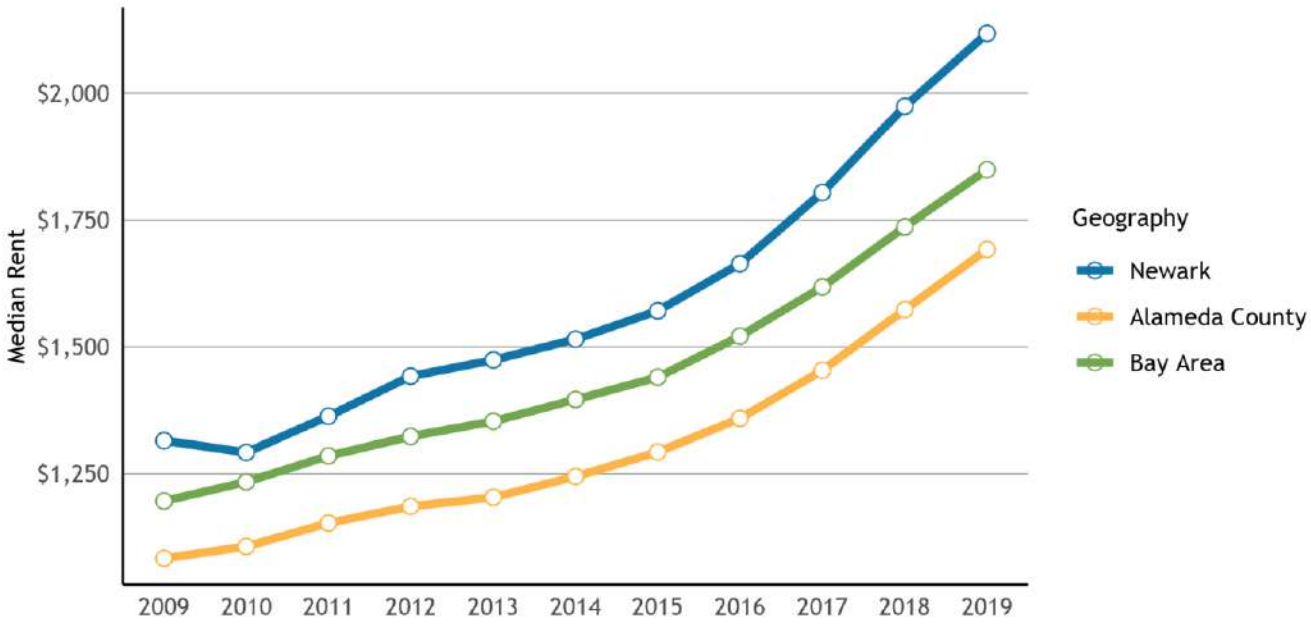


Figure 26: Median Contract Rent

Universe: Renter-occupied housing units paying cash rent
Notes: For unincorporated areas, median is calculated using distribution in B25056.
Source: U.S. Census Bureau, American Community Survey 5-Year Data releases, starting with 2005-2009 through 2015-2019, B25058, B25056 (for unincorporated areas). County and regional counts are weighted averages of jurisdiction median using B25003 rental unit counts from the relevant year.
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-10.

5.5 Overpayment and Overcrowding

A household is considered "cost-burdened" if it spends more than 30% of its monthly income on housing costs, while those who spend more than 50% of their income on housing costs are considered "severely cost-burdened." Low-income residents are the most impacted by high housing costs and experience the highest rates of cost burden. Spending such large portions of their income on housing puts low-income households at higher risk of displacement, eviction, or homelessness.

reflect current rents. Local jurisdiction staff may want to supplement the data on rents with local realtor data or other sources for rent data that are more current than Census Bureau data.

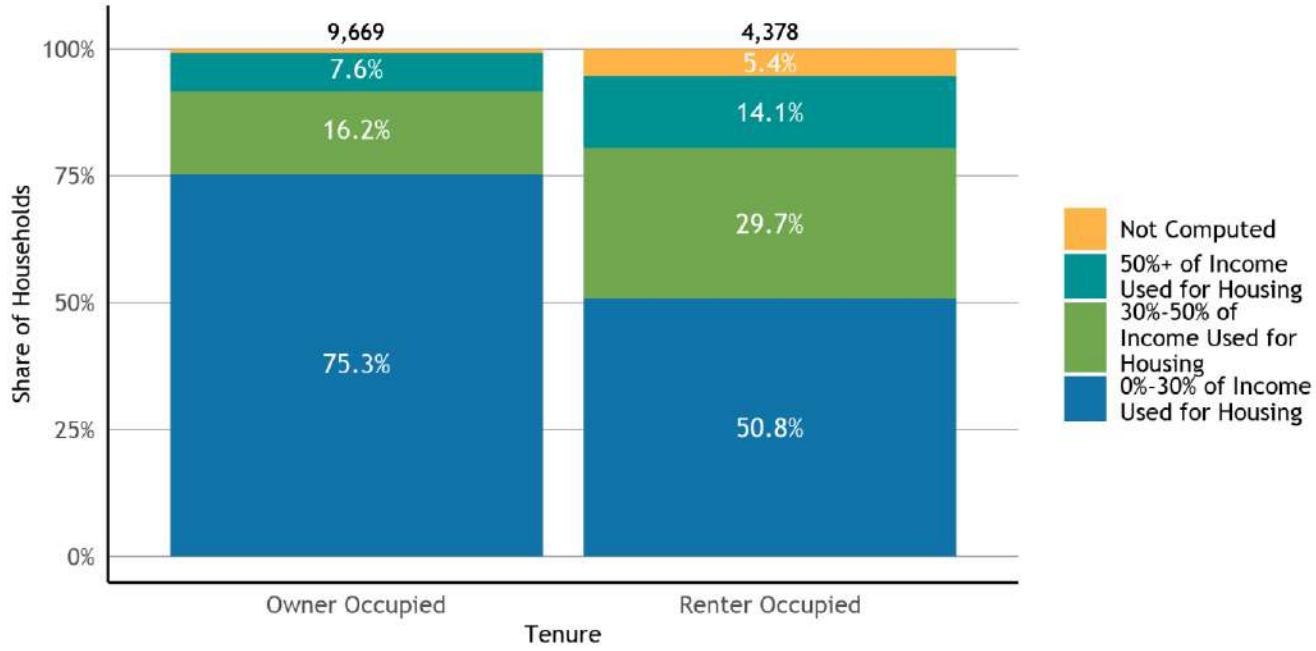


Figure 27: Cost Burden by Tenure

Universe: Occupied housing units
Notes: Cost burden is the ratio of housing costs to household income. For renters, housing cost is gross rent (contract rent plus utilities). For owners, housing cost is "select monthly owner costs", which includes mortgage payment, utilities, association fees, insurance, and real estate taxes. HUD defines cost-burdened households as those whose monthly housing costs exceed 30% of monthly income, while severely cost-burdened households are those whose monthly housing costs exceed 50% of monthly income.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25070, B25091
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-06.

Renters are often more cost-burdened than owners. While the housing market has resulted in home prices increasing dramatically, homeowners often have mortgages with fixed rates, whereas renters are more likely to be impacted by market increases. When looking at the cost burden across tenure in Newark, 29.7% of renters spend 30% to 50% of their income on housing compared to 16.2% of those that own (see Figure 27). Additionally, 14.1% of renters spend 50% or more of their income on housing, while 7.6% of owners are severely cost-burdened.

In Newark, 12.4% of households spend 50% or more of their income on housing, while 19.2% spend 30% to 50%. However, these rates vary greatly across income categories (see Figure 28). For example, 56.6% of Newark households making less than 30% of AMI spend the majority of their income on housing. For Newark residents making more than 100% of AMI, just 0.8% are severely cost-burdened, and 89.0% of those making more than 100% of AMI spend less than 30% of their income on housing.

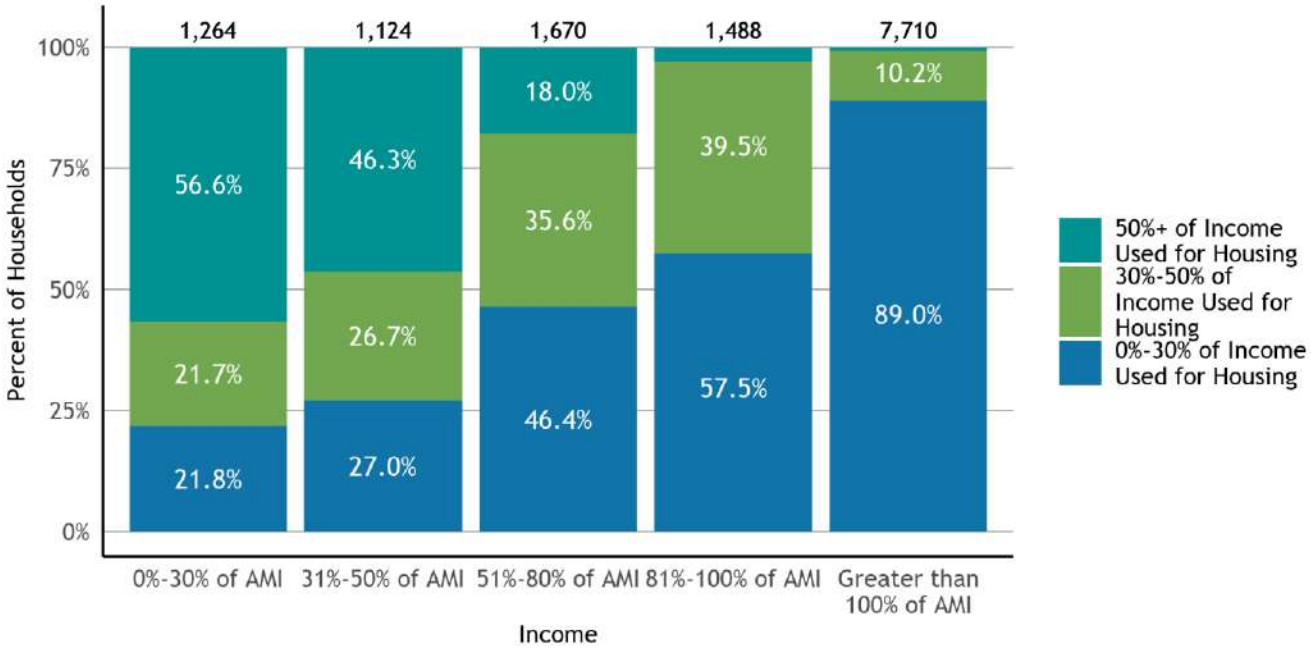


Figure 28: Cost Burden by Income Level

Universe: Occupied housing units
Notes: Cost burden is the ratio of housing costs to household income. For renters, housing cost is gross rent (contract rent plus utilities). For owners, housing cost is "select monthly owner costs", which includes mortgage payment, utilities, association fees, insurance, and real estate taxes. HUD defines cost-burdened households as those whose monthly housing costs exceed 30% of monthly income, while severely cost-burdened households are those whose monthly housing costs exceed 50% of monthly income. Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-05.

Currently, people of color are more likely to experience poverty and financial instability as a result of federal and local housing policies that have historically excluded them from the same opportunities extended to white residents. As a result, they often pay a greater percentage of their income on housing, and in turn, are at a greater risk of housing insecurity.

American Indian or Alaska Native, Non-Hispanic residents are the most cost burdened with *46.2%* spending 30% to 50% of their income on housing, and *Hispanic or Latinx* residents are the most severely cost burdened with *22.1%* spending more than 50% of their income on housing (see Figure 29).

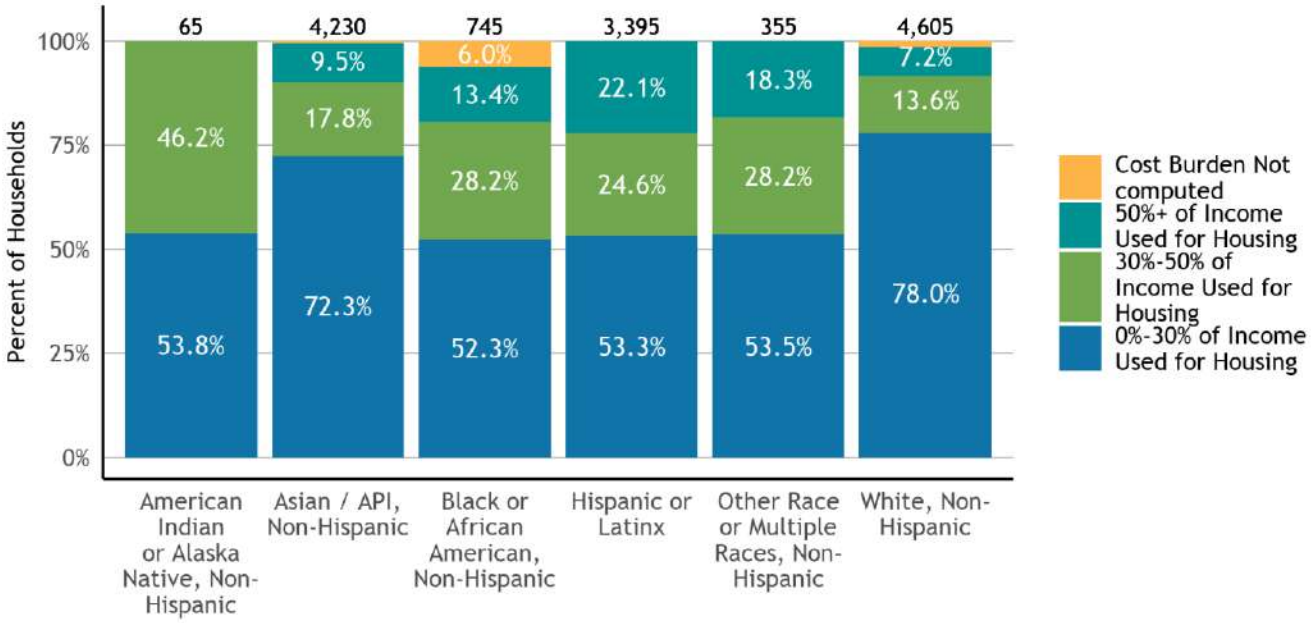


Figure 29: Cost Burden by Race

Universe: Occupied housing units
Notes: Cost burden is the ratio of housing costs to household income. For renters, housing cost is gross rent (contract rent plus utilities). For owners, housing cost is "select monthly owner costs", which includes mortgage payment, utilities, association fees, insurance, and real estate taxes. HUD defines cost-burdened households as those whose monthly housing costs exceed 30% of monthly income, while severely cost-burdened households are those whose monthly housing costs exceed 50% of monthly income. For the purposes of this graph, the "Hispanic or Latinx" racial/ethnic group represents those who identify as having Hispanic/Latinx ethnicity and may also be members of any racial group. All other racial categories on this graph represent those who identify with that racial category and do not identify with Hispanic/Latinx ethnicity.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-08.

Large family households often have special housing needs due to a lack of adequately sized affordable housing available. The higher costs required for homes with multiple bedrooms can result in larger families experiencing a disproportionate cost burden than the rest of the population and can increase the risk of housing insecurity.

In Newark, 22.3% of large family households experience a cost burden of 30%-50%, while 13.4% of households spend more than half of their income on housing. Some 18.5% of all other households have a cost burden of 30%-50%, with 12.1% of households spending more than 50% of their income on housing (see Figure 30).

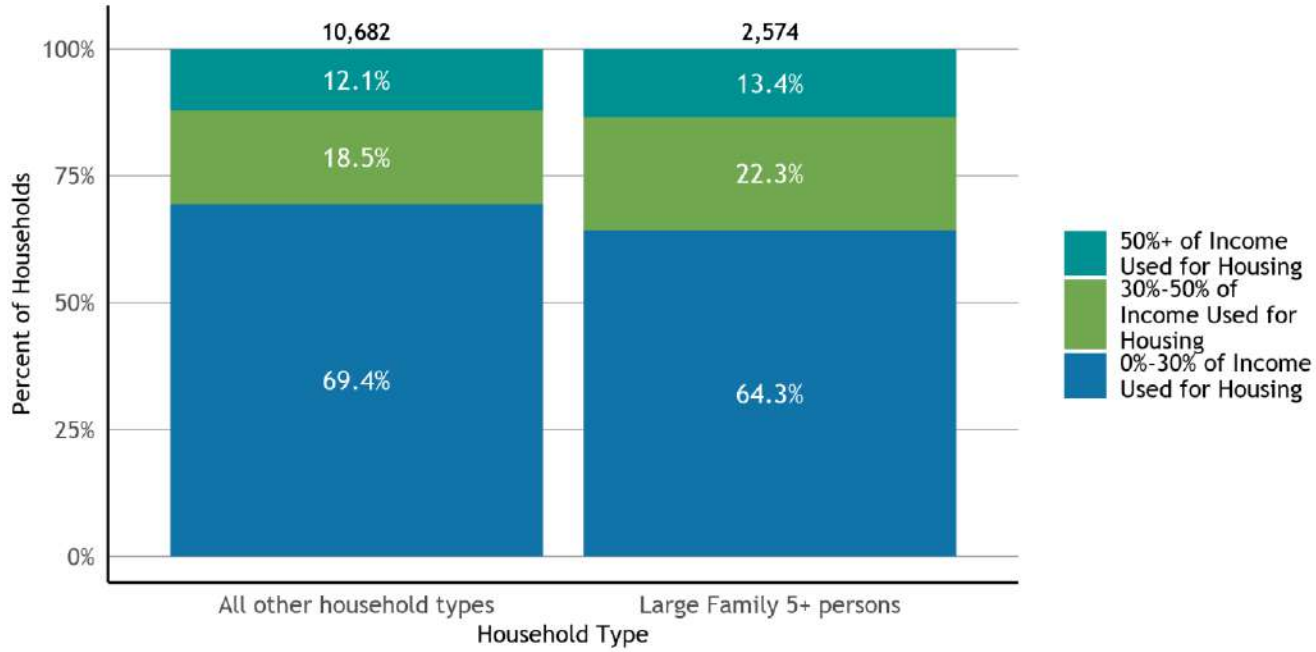


Figure 30: Cost Burden by Household Size

Universe: Occupied housing units
Notes: Cost burden is the ratio of housing costs to household income. For renters, housing cost is gross rent (contract rent plus utilities). For owners, housing cost is "select monthly owner costs", which includes mortgage payment, utilities, association fees, insurance, and real estate taxes. HUD defines cost-burdened households as those whose monthly housing costs exceed 30% of monthly income, while severely cost-burdened households are those whose monthly housing costs exceed 50% of monthly income.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-09.

When cost-burdened seniors are no longer able to make house payments or pay rents, displacement from their homes can occur, putting further stress on the local rental market or forcing residents out of the community they call home. Understanding how seniors might be cost-burdened is of particular importance due to their special housing needs, particularly for low-income seniors. 21.8% of seniors making less than 30% of AMI are spending the majority of their income on housing. For seniors making more than 100% of AMI, 89.3% are not cost-burdened and spend less than 30% of their income on housing (see Figure 31).

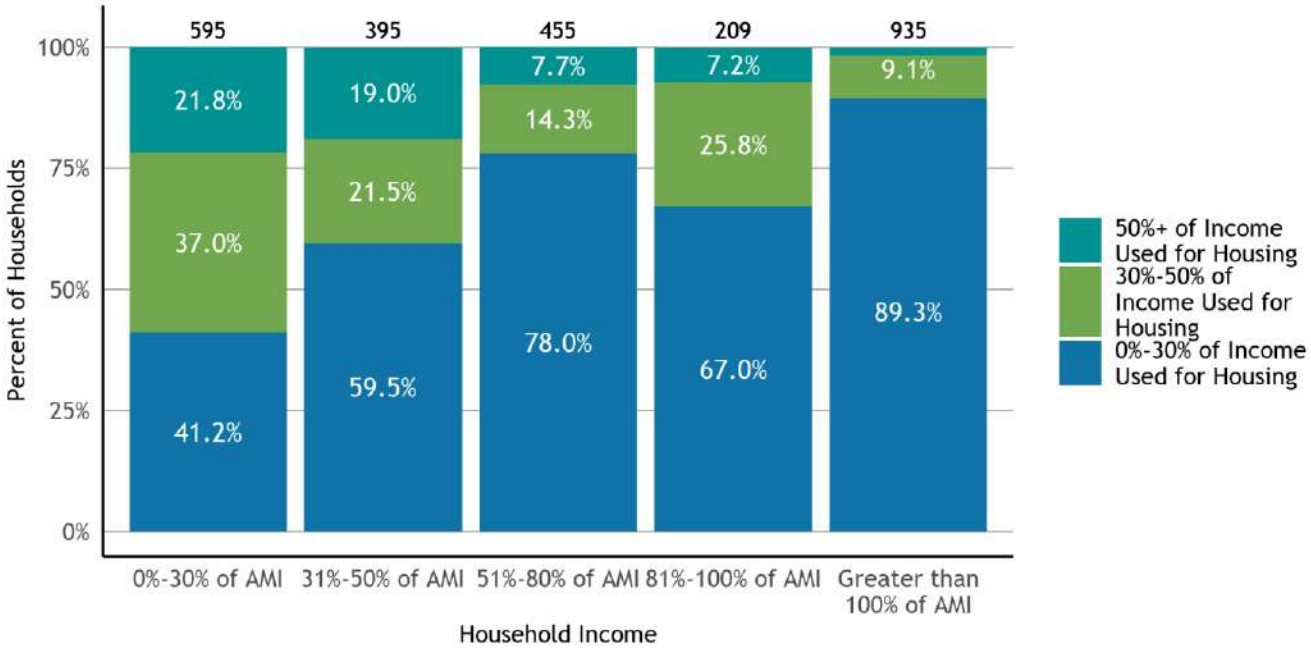


Figure 31: Cost-Burdened Senior Households by Income Level

Universe: Senior households
Notes: For the purposes of this graph, senior households are those with a householder who is aged 62 or older. Cost burden is the ratio of housing costs to household income. For renters, housing cost is gross rent (contract rent plus utilities). For owners, housing cost is "select monthly owner costs", which includes mortgage payment, utilities, association fees, insurance, and real estate taxes. HUD defines cost-burdened households as those whose monthly housing costs exceed 30% of monthly income, while severely cost-burdened households are those whose monthly housing costs exceed 50% of monthly income. Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table SEN-03.

Overcrowding occurs when the number of people living in a household is greater than the home was designed to hold. There are several different standards for defining overcrowding, but this report uses the Census Bureau definition, which is more than one occupant per room (not including bathrooms or kitchens). Additionally, the Census Bureau considers units with more than 1.5 occupants per room to be severely overcrowded.

Overcrowding is often related to the cost of housing and can occur when demand in a city or region is high. In many cities, overcrowding is seen more amongst those that are renting, with multiple households sharing a unit to make it possible to stay in their communities. In Newark, 9.3% of households that rent are severely overcrowded (more than 1.5 occupants per room), compared to 0.6% of households that own (see Figure 32). In Newark, 17.7% of renters experience moderate overcrowding (1 to 1.5 occupants per room), compared to 4.9% for those own.

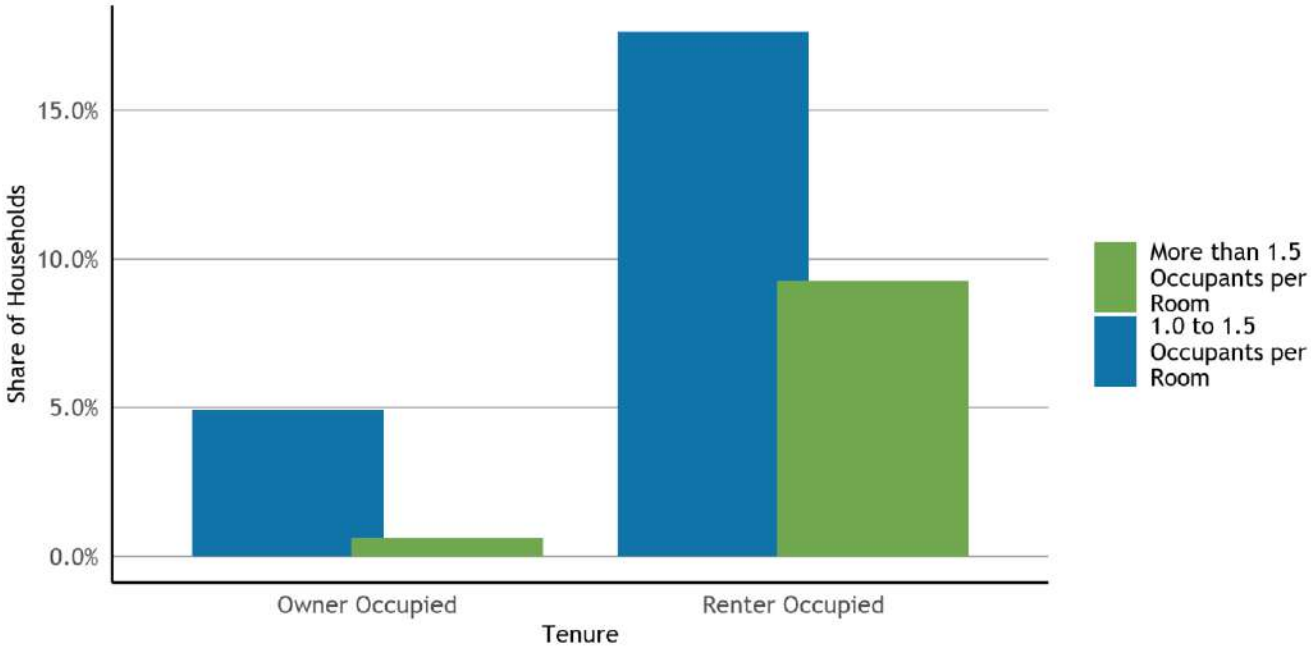


Figure 32: Overcrowding by Tenure and Severity

Universe: Occupied housing units
Notes: The Census Bureau defines an overcrowded unit as one occupied by 1.01 persons or more per room (excluding bathrooms and kitchens), and units with more than 1.5 persons per room are considered severely overcrowded.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-01.

Overcrowding often disproportionately impacts low-income households. 3.6% of very low-income households (below 50% AMI) experience severe overcrowding, while 1.4% of households above 100% experience this level of overcrowding (see Figure 33).

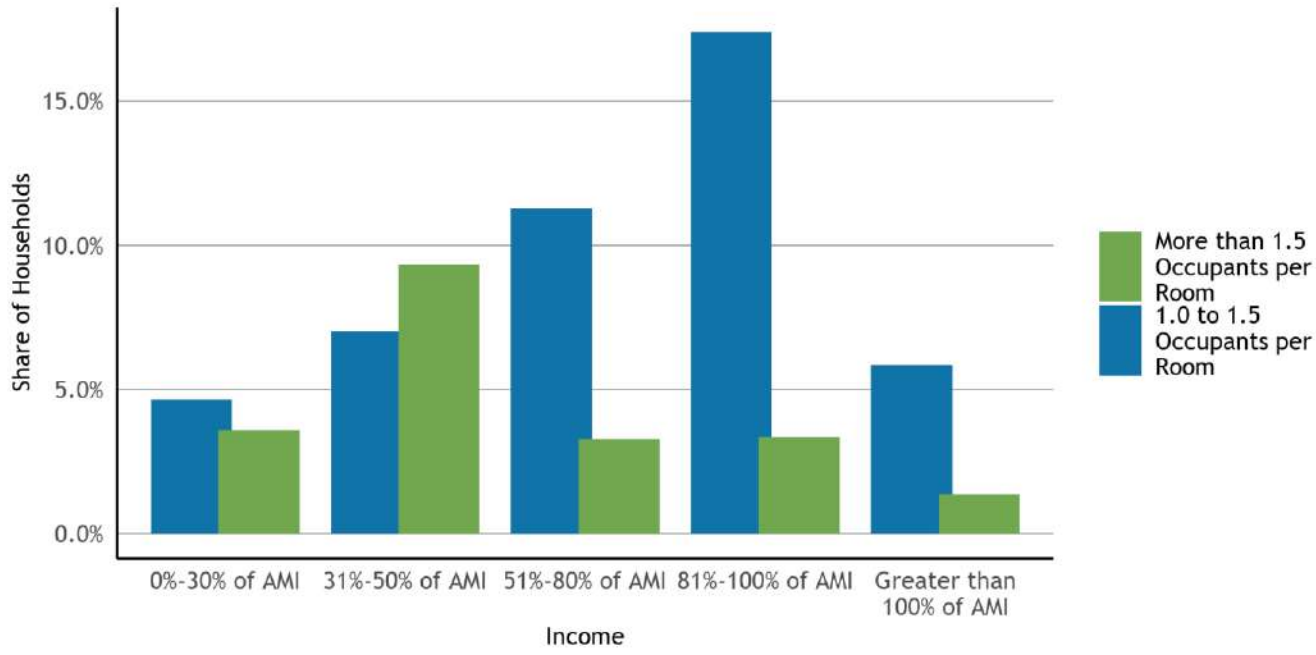


Figure 33: Overcrowding by Income Level and Severity

Universe: Occupied housing units
Notes: The Census Bureau defines an overcrowded unit as one occupied by 1.01 persons or more per room (excluding bathrooms and kitchens), and units with more than 1.5 persons per room are considered severely overcrowded. Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-04.

Communities of color are more likely to experience overcrowding similar to how they are more likely to experience poverty, financial instability, and housing insecurity. People of color tend to experience overcrowding at higher rates than White residents. In Newark, the racial group with the largest overcrowding rate is *Other Race or Multiple Races (Hispanic and Non-Hispanic)* (see Figure 34)

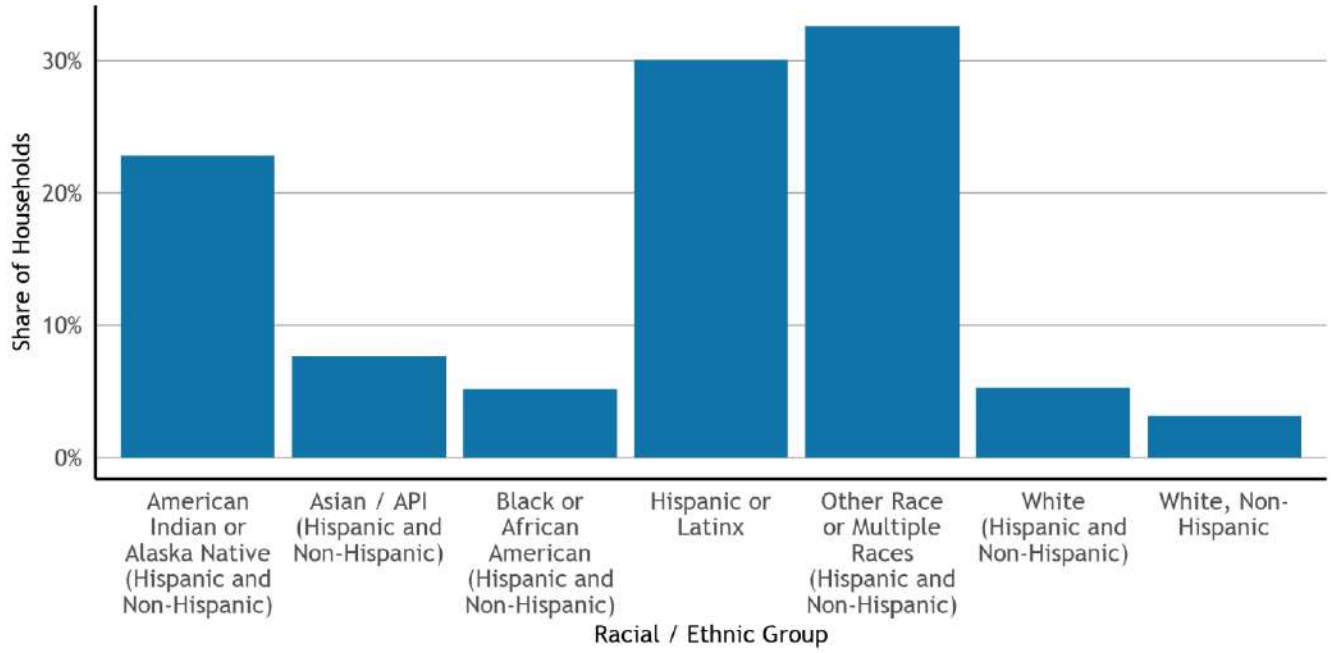


Figure 34: Overcrowding by Race

Universe: Occupied housing units
Notes: The Census Bureau defines an overcrowded unit as one occupied by 1.01 persons or more per room (excluding bathrooms and kitchens), and units with more than 1.5 persons per room are considered severely overcrowded. For this table, the Census Bureau does not disaggregate racial groups by Hispanic/Latinx ethnicity. However, data for the white racial group is also reported for white householders who are not Hispanic/Latinx. Since residents who identify as white and Hispanic/Latinx may have very different experiences within the housing market and the economy from those who identify as white and non-Hispanic/Latinx, data for multiple white sub-groups are reported here. The racial/ethnic groups reported in this table are not all mutually exclusive. Therefore, the data should not be summed as the sum exceeds the total number of occupied housing units for this jurisdiction. However, all groups labelled "Hispanic and Non-Hispanic" are mutually exclusive, and the sum of the data for these groups is equivalent to the total number of occupied housing units.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25014
For the data table behind this figure, please refer to the Data Packet Workbook, Table OVER-03.

6 SPECIAL HOUSING NEEDS

6.1 Large Households

Large households often have different housing needs than smaller households. If a city's rental housing stock does not include larger apartments, large households who rent could end up living in overcrowded conditions. In Newark, for large households with 5 or more persons, most units (57.4%) are owner occupied (see Figure 35). In 2017, 17.4% of large households were very low-income, earning less than 50% of the area median income (AMI).

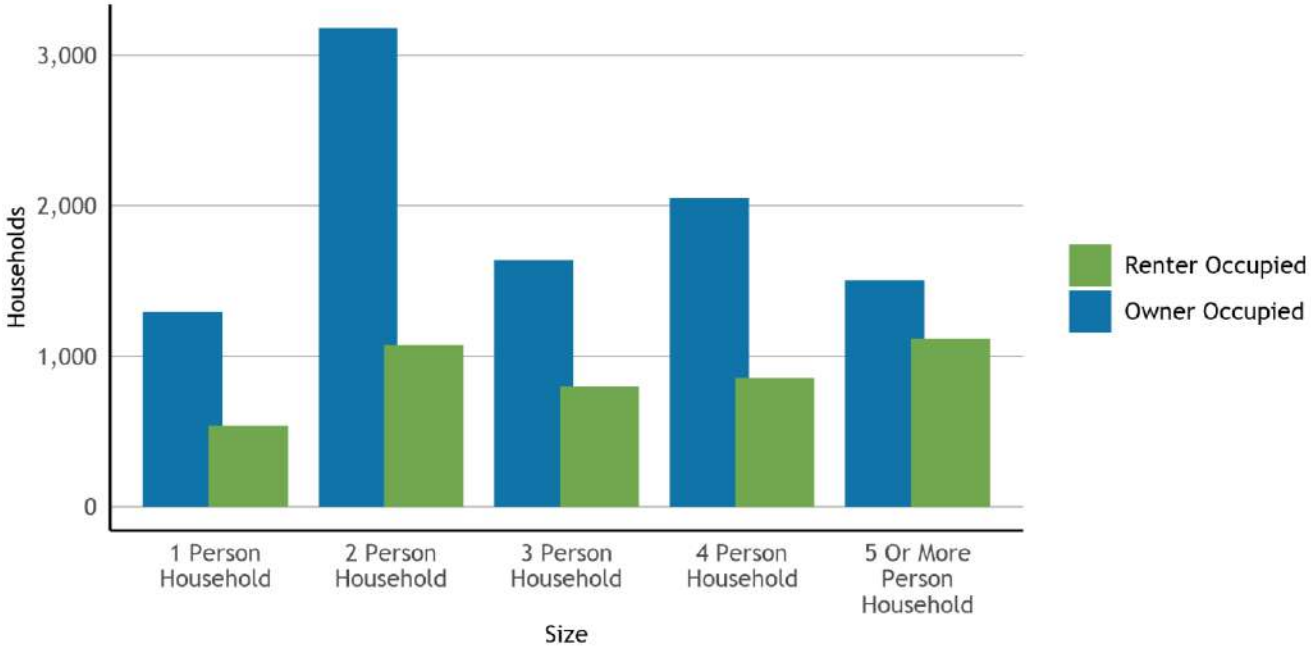


Figure 35: Household Size by Tenure

Universe: Occupied housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25009
For the data table behind this figure, please refer to the Data Packet Workbook, Table LGFEM-01.

The unit sizes available in a community affect the household sizes that can access that community. Large families are generally served by housing units with 3 or more bedrooms, of which there are 10,345 units in Newark. Among these large units with 3 or more bedrooms, 17.4% are owner-occupied and 82.6% are renter occupied (see Figure 36).

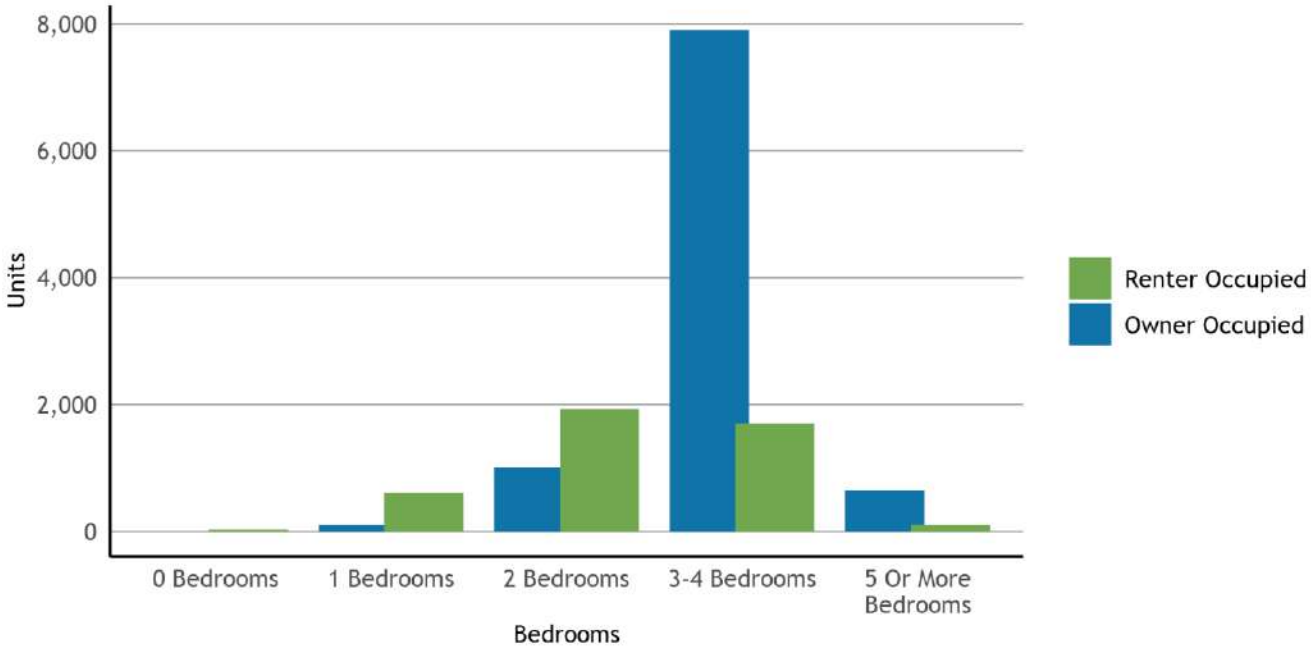


Figure 36: Housing Units by Number of Bedrooms

Universe: Housing units
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B25042
For the data table behind this figure, please refer to the Data Packet Workbook, Table HSG-05.

6.2 Female-Headed Households

Households headed by one person are often at greater risk of housing insecurity, particularly female-headed households, who may be supporting children or a family with only one income. In Newark, the largest proportion of households is *Married-couple Family Households* at 63.0% of total, while *Female-Headed Households* make up 11.8% of all households.

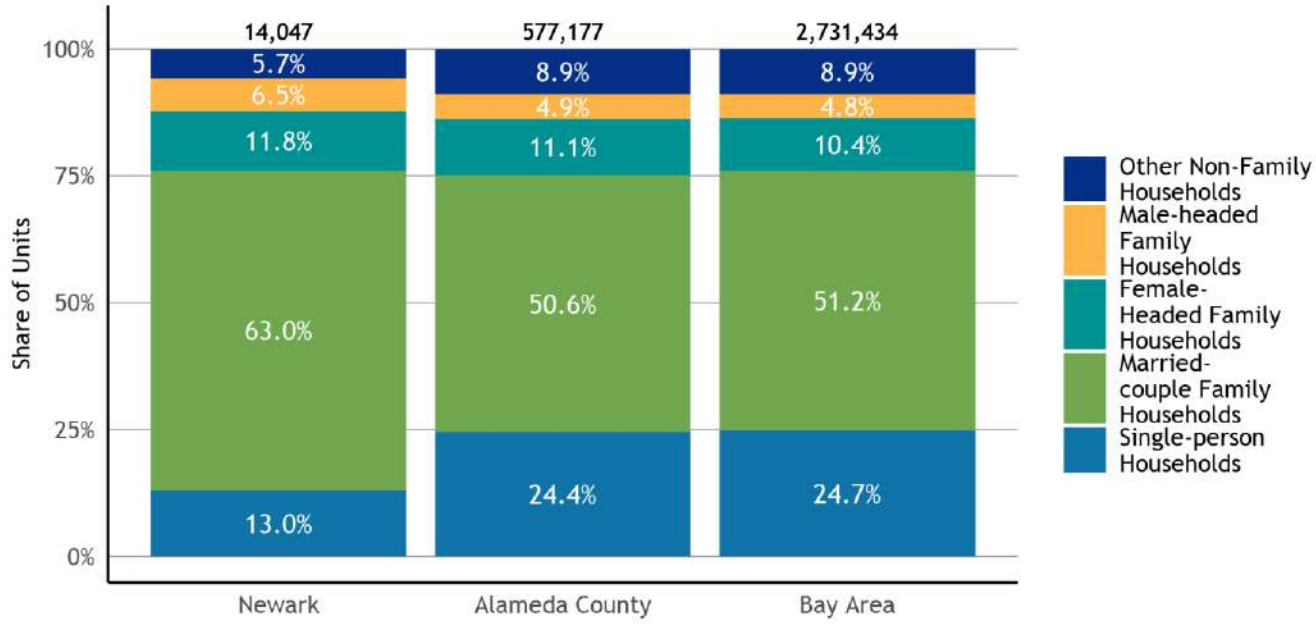


Figure 37: Household Type

Universe: Households
Notes: For data from the Census Bureau, a "family household" is a household where two or more people are related by birth, marriage, or adoption. "Non-family households" are households of one person living alone, as well as households where none of the people are related to each other.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B11001
For the data table behind this figure, please refer to the Data Packet Workbook, Table POPEMP-23.

Female-headed households with children may face particular housing challenges, with pervasive gender inequality resulting in lower wages for women. Moreover, the added need for childcare can make finding a home that is affordable more challenging.

In Newark, 22.8% of female-headed households with children fall below the Federal Poverty Line, while 5.7% of female-headed households *without* children live in poverty (see Figure 38).

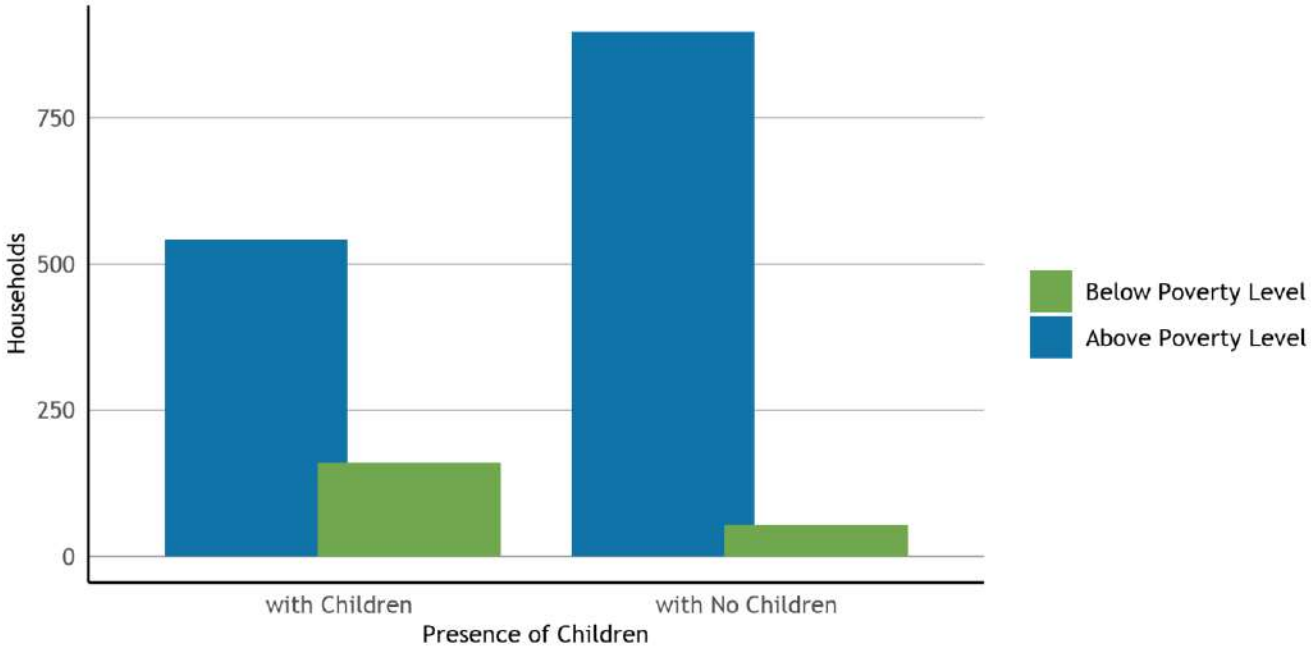


Figure 38: Female-Headed Households by Poverty Status

Universe: Female Households
Notes: The Census Bureau uses a federally defined poverty threshold that remains constant throughout the country and does not correspond to Area Median Income.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B17012
For the data table behind this figure, please refer to the Data Packet Workbook, Table LGFEM-05.

6.3 Seniors

Senior households often experience a combination of factors that can make accessing or keeping affordable housing a challenge. They often live on fixed incomes and are more likely to have disabilities, chronic health conditions and/or reduced mobility.

Seniors who rent may be at even greater risk for housing challenges than those who own, due to income differences between these groups. The largest proportion of senior households who rent make *0%-30% of AMI*, while the largest proportion of senior households who are homeowners falls in the income group *Greater than 100% of AMI* (see Figure 39).

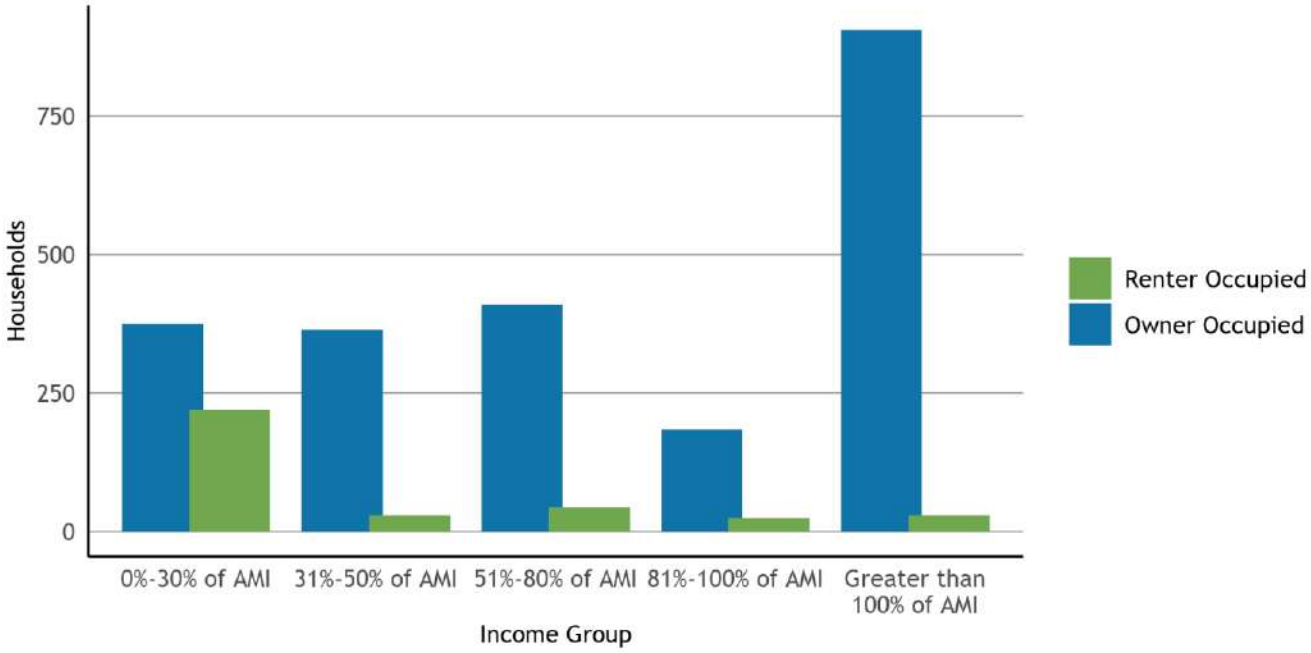


Figure 39: Senior Households by Income and Tenure

Universe: Senior households
Notes: For the purposes of this graph, senior households are those with a householder who is aged 62 or older. Income groups are based on HUD calculations for Area Median Income (AMI). HUD calculates the AMI for different metropolitan areas, and the nine county Bay Area includes the following metropolitan areas: Napa Metro Area (Napa County), Oakland-Fremont Metro Area (Alameda and Contra Costa Counties), San Francisco Metro Area (Marin, San Francisco, and San Mateo Counties), San Jose-Sunnyvale-Santa Clara Metro Area (Santa Clara County), Santa Rosa Metro Area (Sonoma County), and Vallejo-Fairfield Metro Area (Solano County). The AMI levels in this chart are based on the HUD metro area where this jurisdiction is located.
Source: U.S. Department of Housing and Urban Development (HUD), Comprehensive Housing Affordability Strategy (CHAS) ACS tabulation, 2013-2017 release
For the data table behind this figure, please refer to the Data Packet Workbook, Table SEN-01.

6.4 People with Disabilities

People with disabilities face additional housing challenges. Encompassing a broad group of individuals living with a variety of physical, cognitive and sensory impairments, many people with disabilities live on fixed incomes and are in need of specialized care, yet often rely on family members for assistance due to the high cost of care.

When it comes to housing, people with disabilities are not only in need of affordable housing but accessibly designed housing, which offers greater mobility and opportunity for independence. Unfortunately, the need typically outweighs what is available, particularly in a housing market with such high demand. People with disabilities are at a high risk for housing insecurity, homelessness and institutionalization, particularly when they lose aging caregivers. Figure 40 shows the rates at which different disabilities are present among residents of Newark. Overall, 7.6% of people in Newark have a disability of any kind.[22]

[22] These disabilities are counted separately and are not mutually exclusive, as an individual may report more than one disability. These counts should not be summed.

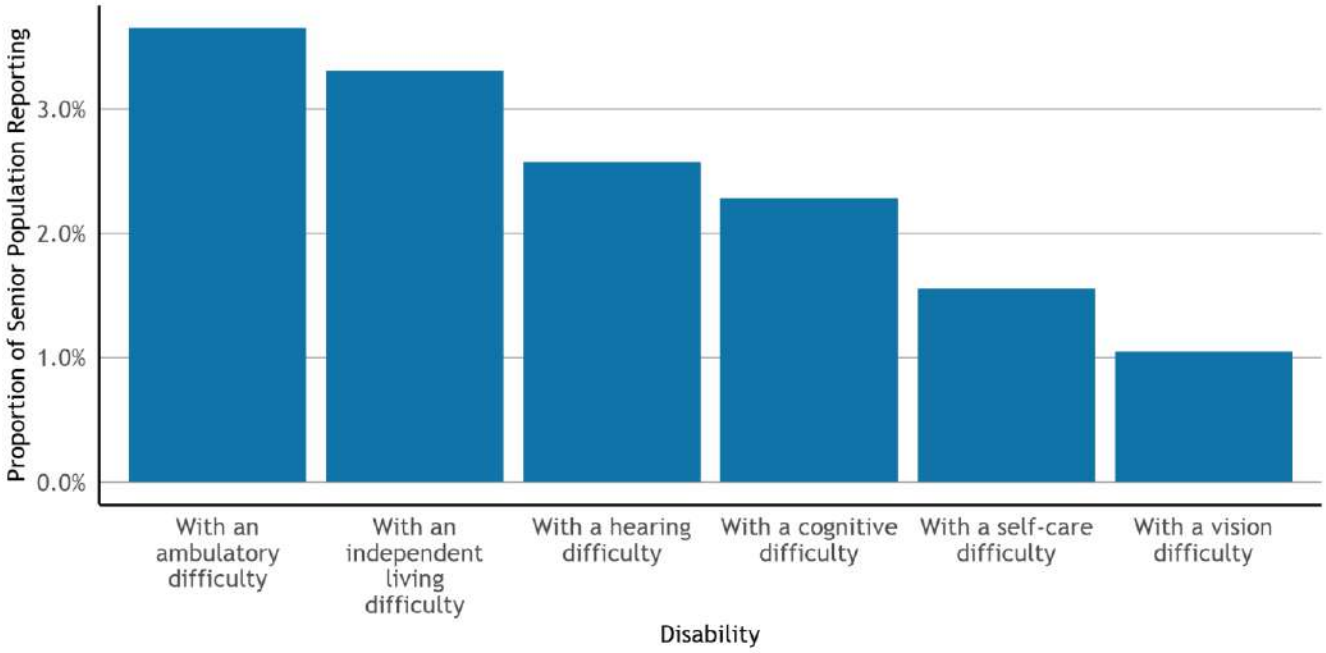


Figure 40: Disability by Type

Universe: Civilian noninstitutionalized population 18 years and over
Notes: These disabilities are counted separately and are not mutually exclusive, as an individual may report more than one disability. These counts should not be summed. The Census Bureau provides the following definitions for these disability types: Hearing difficulty: deaf or has serious difficulty hearing. Vision difficulty: blind or has serious difficulty seeing even with glasses. Cognitive difficulty: has serious difficulty concentrating, remembering, or making decisions. Ambulatory difficulty: has serious difficulty walking or climbing stairs. Self-care difficulty: has difficulty dressing or bathing. Independent living difficulty: has difficulty doing errands alone such as visiting a doctor's office or shopping.
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B18102, Table B18103, Table B18104, Table B18105, Table B18106, Table B18107.
For the data table behind this figure, please refer to the Data Packet Workbook, Table DISAB-01.

State law also requires Housing Elements to examine the housing needs of people with developmental disabilities. Developmental disabilities are defined as severe, chronic, and attributed to a mental or physical impairment that begins before a person turns 18 years old. This can include Down's Syndrome, autism, epilepsy, cerebral palsy, and mild to severe mental retardation. Some people with developmental disabilities are unable to work, rely on Supplemental Security Income, and live with family members. In addition to their specific housing needs, they are at increased risk of housing insecurity after an aging parent or family member is no longer able to care for them.[23]

In Newark, of the population with a developmental disability, children under the age of 18 make up 56.3%, while adults account for 43.7%.

[23] For more information or data on developmental disabilities in your jurisdiction, contact the Golden Gate Regional Center for Marin, San Francisco and San Mateo Counties; the North Bay Regional Center for Napa, Solano and Sonoma Counties; the Regional Center for the East Bay for Alameda and Contra Costa Counties; or the San Andreas Regional Center for Santa Clara County.

Table 5: Population with Developmental Disabilities by Age

Age Group	value
Age Under 18	156
Age 18+	121

Universe: Population with developmental disabilities
Notes: The California Department of Developmental Services is responsible for overseeing the coordination and delivery of services to more than 330,000 Californians with developmental disabilities including cerebral palsy, intellectual disability, Down syndrome, autism, epilepsy, and related conditions. The California Department of Developmental Services provides ZIP code level counts. To get jurisdiction-level estimates, ZIP code counts were crosswalked to jurisdictions using census block population counts from Census 2010 SF1 to determine the share of a ZIP code to assign to a given jurisdiction.
Source: California Department of Developmental Services, Consumer Count by California ZIP Code and Age Group (2020)
This table is included in the Data Packet Workbook as Table DISAB-04.

The most common living arrangement for individuals with disabilities in Newark is the home of parent /family /guardian.

Table 6: Population with Developmental Disabilities by Residence

Residence Type	value
Home of Parent /Family /Guardian	244
Community Care Facility	20
Independent /Supported Living	12
Foster /Family Home	5
Other	0
Intermediate Care Facility	0

Universe: Population with developmental disabilities
Notes: The California Department of Developmental Services is responsible for overseeing the coordination and delivery of services to more than 330,000 Californians with developmental disabilities including cerebral palsy, intellectual disability, Down syndrome, autism, epilepsy, and related conditions. The California Department of Developmental Services provides ZIP code level counts. To get jurisdiction-level estimates, ZIP code counts were crosswalked to jurisdictions using census block population counts from Census 2010 SF1 to determine the share of a ZIP code to assign to a given jurisdiction.
Source: California Department of Developmental Services, Consumer Count by California ZIP Code and Residence Type (2020)
This table is included in the Data Packet Workbook as Table DISAB-05.

6.5 Homelessness

Homelessness remains an urgent challenge in many communities across the state, reflecting a range of social, economic, and psychological factors. Rising housing costs result in increased risks of community members experiencing homelessness. Far too many residents who have found themselves housing insecure have ended up unhoused or homeless in recent years, either temporarily or longer term. Addressing the specific housing needs for the unhoused population remains a priority throughout the region, particularly since homelessness is disproportionately experienced by people of color, people with disabilities, those struggling with addiction and those dealing with traumatic life circumstances. In Alameda County, the most common type of household experiencing homelessness is those without children in their care. Among households experiencing homelessness that do not have children, 84.0% are unsheltered. Of homeless households with children, most are sheltered in emergency shelter (see Figure 41).

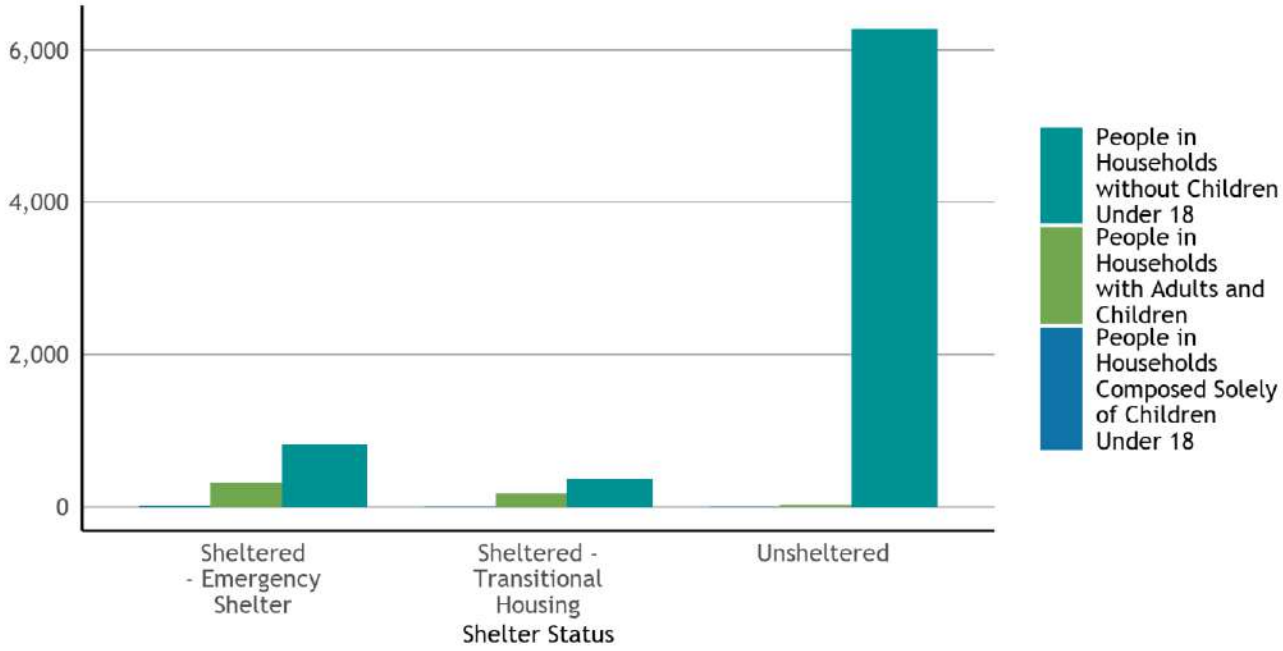


Figure 41: Homelessness by Household Type and Shelter Status, Alameda County

Universe: Population experiencing homelessness
Notes: This data is based on Point-in-Time (PIT) information provided to HUD by CoCs in the application for CoC Homeless Assistance Programs. The PIT Count provides a count of sheltered and unsheltered homeless persons on a single night during the last ten days in January. Each Bay Area county is its own CoC, and so the data for this table is provided at the county-level. Per HCD's requirements, jurisdictions will need to supplement this county-level data with local estimates of people experiencing homelessness.
Source: U.S. Department of Housing and Urban Development (HUD), Continuum of Care (CoC) Homeless Populations and Subpopulations Reports (2019)
For the data table behind this figure, please refer to the Data Packet Workbook, Table HOMELS-01.

People of color are more likely to experience poverty and financial instability as a result of federal and local housing policies that have historically excluded them from the same opportunities extended to white residents. Consequently, people of color are often disproportionately impacted by homelessness, particularly Black residents of the Bay Area. In Alameda County, Black or African American (Hispanic and Non-Hispanic) residents represent the largest proportion of residents experiencing homelessness and account for 47.3% of the homeless population, while making up 10.6% of the overall population (see Figure 42).

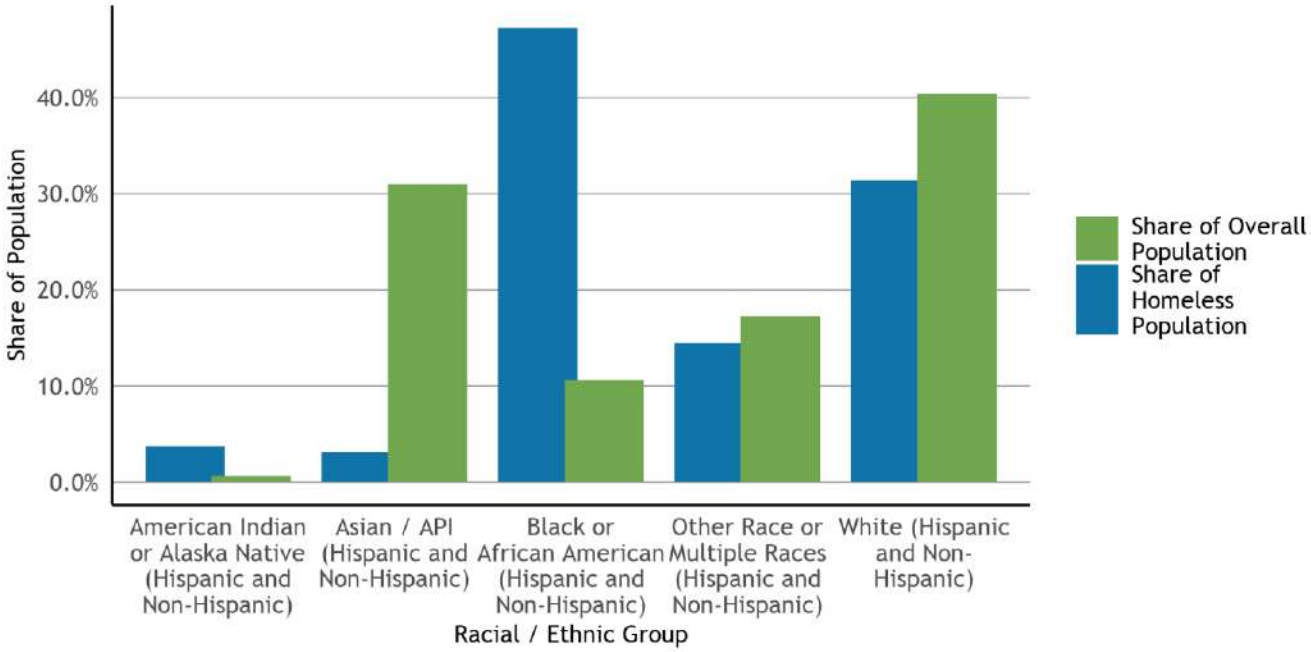


Figure 42: Racial Group Share of General and Homeless Populations, Alameda County

Universe: Population experiencing homelessness
Notes: This data is based on Point-in-Time (PIT) information provided to HUD by CoCs in the application for CoC Homeless Assistance Programs. The PIT Count provides a count of sheltered and unsheltered homeless persons on a single night during the last ten days in January. Each Bay Area county is its own CoC, and so the data for this table is provided at the county-level. Per HCD's requirements, jurisdictions will need to supplement this county-level data with local estimates of people experiencing homelessness. HUD does not disaggregate racial demographic data by Hispanic/Latinx ethnicity for people experiencing homelessness. Instead, HUD reports data on Hispanic/Latinx ethnicity for people experiencing homelessness in a separate table. Accordingly, the racial group data listed here includes both Hispanic/Latinx and non-Hispanic/Latinx individuals.
Source: U.S. Department of Housing and Urban Development (HUD), Continuum of Care (CoC) Homeless Populations and Subpopulations Reports (2019); U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B01001(A-I)
For the data table behind this figure, please refer to the Data Packet Workbook, Table HOMELS-02.

In Alameda, Latinx residents represent 17.3% of the population experiencing homelessness, while Latinx residents comprise 22.5% of the general population (see Figure 43).

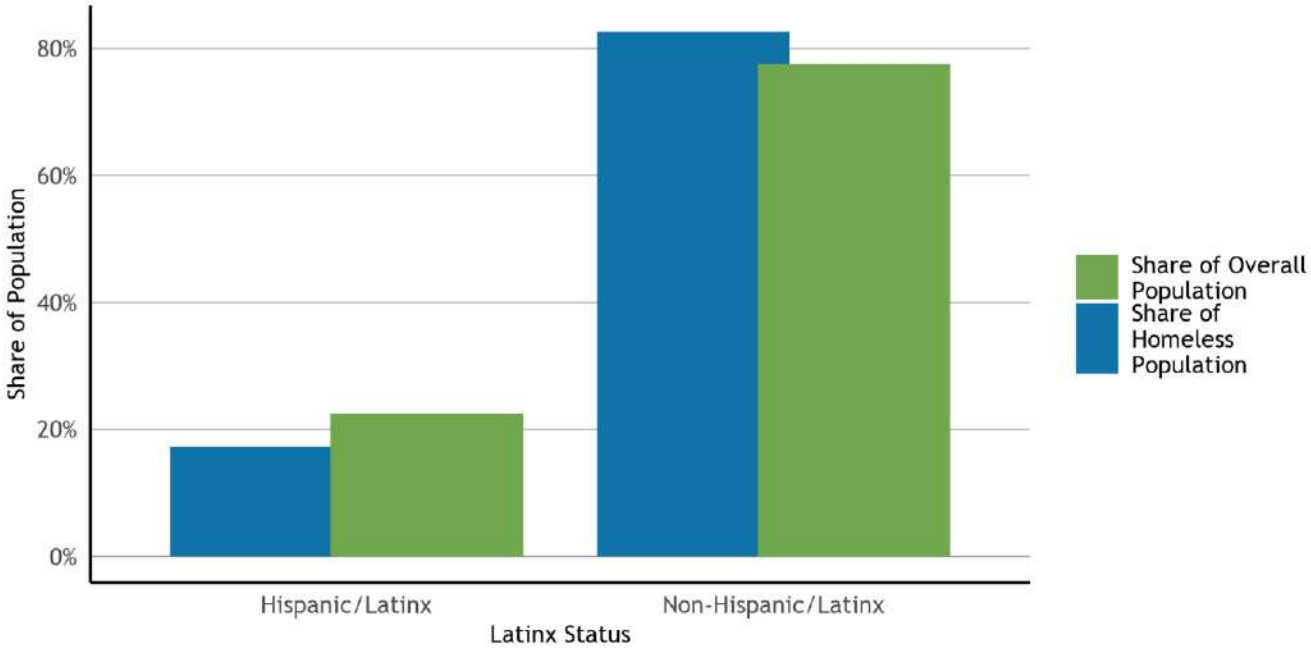


Figure 43: Latinx Share of General and Homeless Populations, Alameda County

Universe: Population experiencing homelessness
Notes: This data is based on Point-in-Time (PIT) information provided to HUD by CoCs in the application for CoC Homeless Assistance Programs. The PIT Count provides a count of sheltered and unsheltered homeless persons on a single night during the last ten days in January. Each Bay Area county is its own CoC, and so the data for this table is provided at the county-level. Per HCD's requirements, jurisdictions will need to supplement this county-level data with local estimates of people experiencing homelessness. The data from HUD on Hispanic/Latinx ethnicity for individuals experiencing homelessness does not specify racial group identity. Accordingly, individuals in either ethnic group identity category (Hispanic/Latinx or non-Hispanic/Latinx) could be of any racial background.
Source: U.S. Department of Housing and Urban Development (HUD), Continuum of Care (CoC) Homeless Populations and Subpopulations Reports (2019); U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B01001(A-I)
For the data table behind this figure, please refer to the Data Packet Workbook, Table HOMELS-03.

Many of those experiencing homelessness are dealing with severe issues – including mental illness, substance abuse and domestic violence – that are potentially life threatening and require additional assistance. In Alameda County, homeless individuals are commonly challenged by severe mental illness, with 2,590 reporting this condition (see Figure 12). Of those, some 78.3% are unsheltered, further adding to the challenge of handling the issue.

Note on Homelessness Data

Notably all the data on homelessness provided above is for the entire county. This data comes from the Department of Housing and Urban Development's (HUD) Point in Time count, which is the most comprehensive publicly available data source on people experiencing homelessness. HUD only provides this data at the county-level and not for specific jurisdictions. However, Housing Element law requires local jurisdictions to estimate or count of the daily average number of people lacking shelter. Therefore, staff will need to supplement the data in this document with additional local data on the number of people experiencing homelessness. If staff do not have estimates of people experiencing homelessness in their jurisdiction readily available, HCD recommends contacting local service providers such as continuum-of-care providers, local homeless shelter and service providers, food

programs, operators of transitional housing programs, local drug and alcohol program service providers, and county mental health and social service departments.[24]

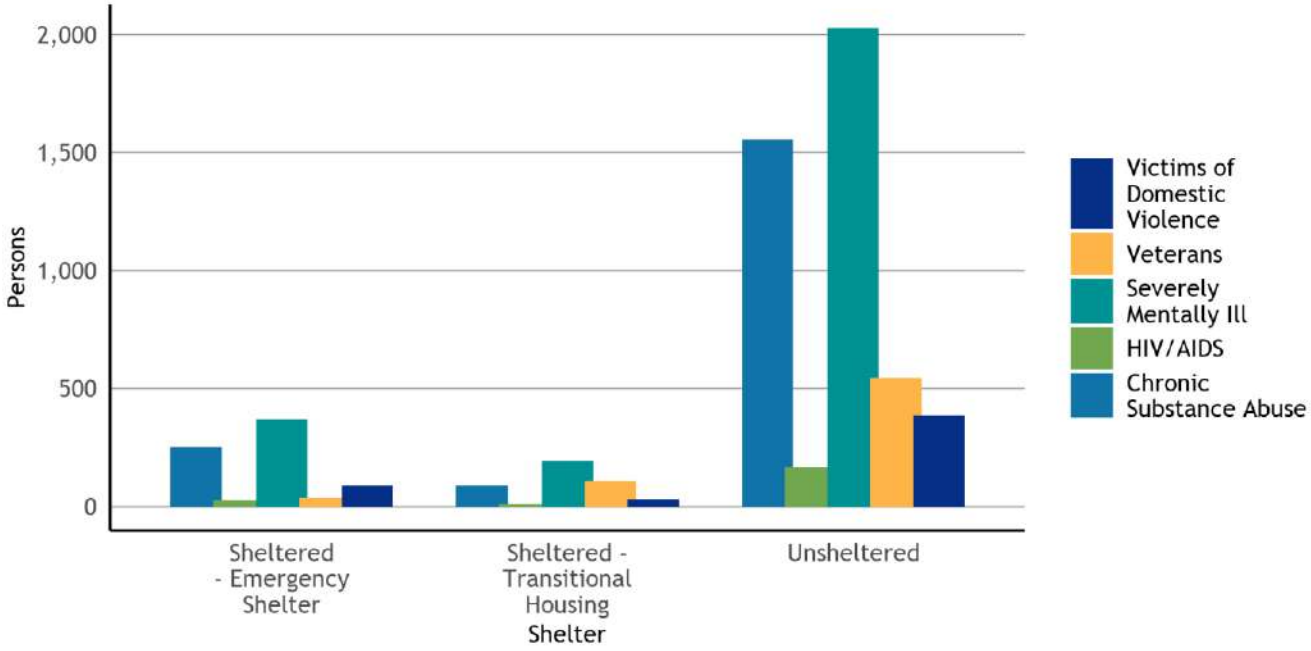


Figure 44: Characteristics for the Population Experiencing Homelessness, Alameda County

Universe: Population experiencing homelessness
Notes: This data is based on Point-in-Time (PIT) information provided to HUD by CoCs in the application for CoC Homeless Assistance Programs. The PIT Count provides a count of sheltered and unsheltered homeless persons on a single night during the last ten days in January. Each Bay Area county is its own CoC, and so the data for this table is provided at the county-level. Per HCD's requirements, jurisdictions will need to supplement this county-level data with local estimates of people experiencing homelessness. These challenges/characteristics are counted separately and are not mutually exclusive, as an individual may report more than one challenge/characteristic. These counts should not be summed.
Source: U.S. Department of Housing and Urban Development (HUD), Continuum of Care (CoC) Homeless Populations and Subpopulations Reports (2019)
For the data table behind this figure, please refer to the Data Packet Workbook, Table HOMELS-04.

In Newark, the student population experiencing homelessness totaled 300 during the 2019-20 school year and increased by 9.1% since the 2016-17 school year. By comparison, Alameda County has seen a 18.7% decrease in the population of students experiencing homelessness since the 2016-17 school year, and the Bay Area population of students experiencing homelessness decreased by 8.5%. During the 2019-2020 school year, there were still some 13,718 students experiencing homelessness throughout the region, adding undue burdens on learning and thriving, with the potential for longer term negative effects.

The number of students in Newark experiencing homelessness in 2019 represents 10.5% of the Alameda County total and 2.2% of the Bay Area total.

[24] For more information, see HCD's Building Blocks webpage for People Experiencing Homelessness: https://www.hcd.ca.gov/community-development/building-blocks/housing-needs/people-experiencing-homelessness.shtml

Table 7: Students in Local Public Schools Experiencing Homelessness

AcademicYear	Newark	Alameda County	Bay Area
2016-17	275	3531	14990
2017-18	236	3309	15142
2018-19	192	3182	15427
2019-20	300	2870	13718

Universe: Total number of unduplicated primary and short-term enrollments within the academic year (July 1 to June 30), public schools
Notes: The California Department of Education considers students to be homeless if they are unsheltered, living in temporary shelters for people experiencing homelessness, living in hotels/motels, or temporarily doubled up and sharing the housing of other persons due to the loss of housing or economic hardship. The data used for this table was obtained at the school site level, matched to a file containing school locations, geocoded and assigned to jurisdiction, and finally summarized by geography.
Source: California Department of Education, California Longitudinal Pupil Achievement Data System (CALPADS), Cumulative Enrollment Data (Academic Years 2016-2017, 2017-2018, 2018-2019, 2019-2020)
This table is included in the Data Packet Workbook as Table HOMELS-05.

6.6 Farmworkers

Across the state, housing for farmworkers has been recognized as an important and unique concern. Farmworkers generally receive wages that are considerably lower than other jobs and may have temporary housing needs. Finding decent and affordable housing can be challenging, particularly in the current housing market.

In Newark, the migrant worker student population totaled 72 during the 2019-20 school year and has decreased by 24.0% since the 2016-17 school year. The trend for the region for the past few years has been a decline of 2.4% in the number of migrant worker students since the 2016-17 school year. The change at the county level is a 9.6% decrease in the number of migrant worker students since the 2016-17 school year.

Table 8: Migrant Worker Student Population

AcademicYear	Newark	Alameda County	Bay Area
2016-17	75	874	4630
2017-18	79	1037	4607
2018-19	72	785	4075
2019-20	57	790	3976

Universe: Total number of unduplicated primary and short-term enrollments within the academic year (July 1 to June 30), public schools
Notes: The data used for this table was obtained at the school site level, matched to a file containing school locations, geocoded and assigned to jurisdiction, and finally summarized by geography.
Source: California Department of Education, California Longitudinal Pupil Achievement Data System (CALPADS), Cumulative Enrollment Data (Academic Years 2016-2017, 2017-2018, 2018-2019, 2019-2020)
This table is included in the Data Packet Workbook as Table FARM-01.

According to the U.S. Department of Agriculture Census of Farmworkers, the number of permanent farm workers in Alameda County has decreased since 2002, totaling 305 in 2017, while the number of seasonal farm workers has decreased, totaling 288 in 2017 (see Figure 45).

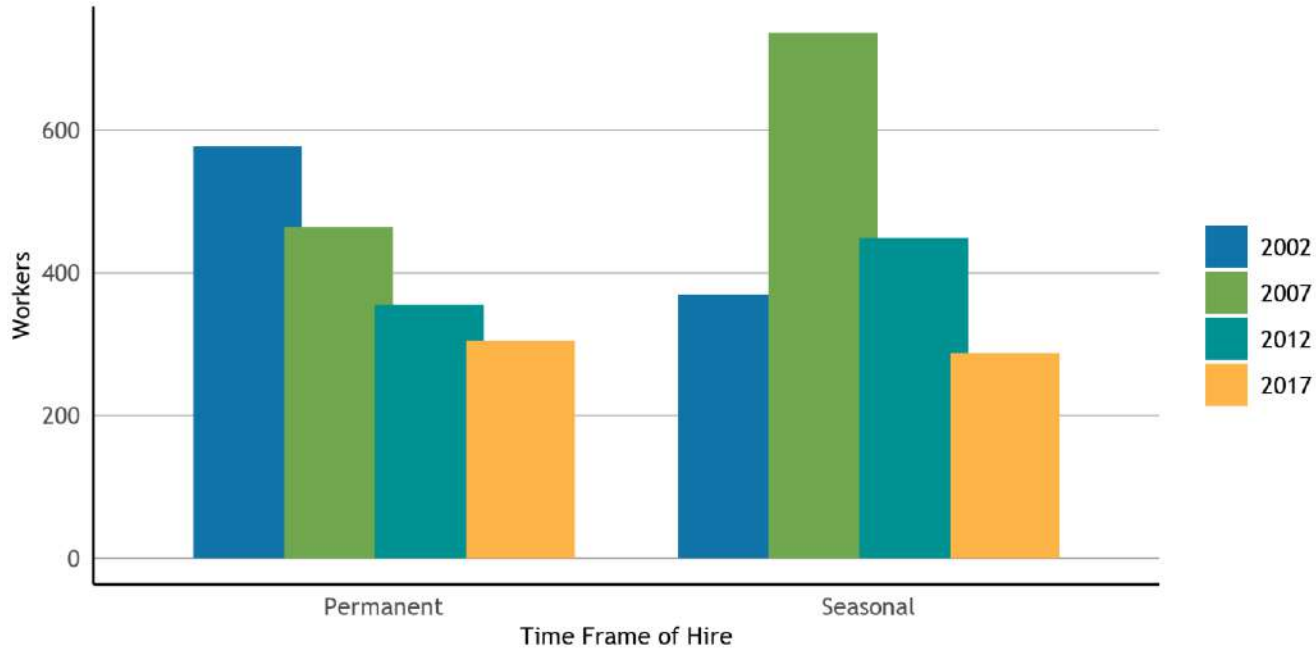


Figure 45: Farm Operations and Farm Labor by County, Alameda County

Universe: Hired farm workers (including direct hires and agricultural service workers who are often hired through labor contractors)
Notes: Farm workers are considered seasonal if they work on a farm less than 150 days in a year, while farm workers who work on a farm more than 150 days are considered to be permanent workers for that farm.
Source: U.S. Department of Agriculture, Census of Farmworkers (2002, 2007, 2012, 2017), Table 7: Hired Farm Labor
For the data table behind this figure, please refer to the Data Packet Workbook, Table FARM-02.

6.7 Non-English Speakers

California has long been an immigration gateway to the United States, which means that many languages are spoken throughout the Bay Area. Since learning a new language is universally challenging, it is not uncommon for residents who have immigrated to the United States to have limited English proficiency. This limit can lead to additional disparities if there is a disruption in housing, such as an eviction, because residents might not be aware of their rights or they might be wary to engage due to immigration status concerns. In Newark, 6.7% of residents 5 years and older identify as speaking English not well or not at all, which is below the proportion for Alameda County. Throughout the region the proportion of residents 5 years and older with limited English proficiency is 8%.

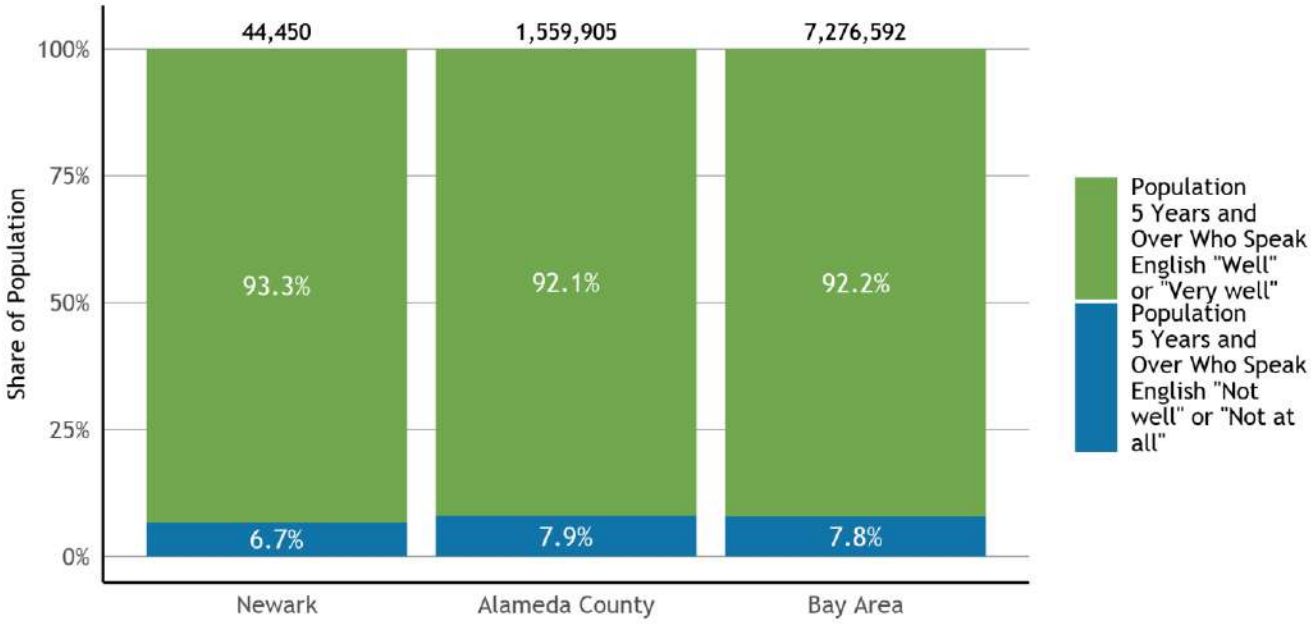


Figure 46: Population with Limited English Proficiency

Universe: Population 5 years and over
Source: U.S. Census Bureau, American Community Survey 5-Year Data (2015-2019), Table B16005
For the data table behind this figure, please refer to the Data Packet Workbook, Table AFFH-03.

APPENDIX B PUBLIC ENGAGEMENT AND INPUT SUMMARY

From March 15th through April 30th, 342 people participated in the City of Newark's online community conversation about housing issues and opportunities in Newark. 300 of those responses were in English, 38 in Spanish and 4 in Chinese.

Participants were invited to answer a series of 22 questions covering housing experience and preference, environmental justice and demographic information. The survey was hosted on the SurveyMonkey platform accessible via the city's webpage.

The survey was distributed and advertised in multilingual materials through various platforms to reach as broad of a cross section of the community as possible. It was promoted through social media, print newsletters, email lists to special populations (e.g., seniors, individuals with developmental disabilities), in-person events, and outreach to partner organizations. Our partner organizations were able to extend our reach to the Latinx community, people experiencing and escaping from domestic violence, individuals transitioning from homelessness, and families in the Newark Unified School District.

Essential insights from the survey are that quality of life, in addition to increasing housing affordability and homeownership opportunities for Newark residents, is of great importance and concern.

Approach to Analyses

The following is a summary of responses to each survey question broken down by answer choice. Response Count signifies the number of selections made for a particular answer choice while Respondent Percent signifies the number of respondents who chose the answer choice out of the total number of survey respondents (i.e., 342 people), including the 38 Spanish responses and 4 Chinese responses.

Note: For multi-select questions, the respondent percentages may reflect more than one selection by a single individual rather than all unique responses. Additionally, please keep in mind that for these questions the response count will not sum to the number of respondents who answered the question.

Q1. How concerned are you about the availability of affordable housing in Newark?

Answer Choices	Response Count	Respondent % (out of 342)
Very concerned	182	53%
Somewhat concerned	76	22%
Not that concerned	44	13%
Not at all concerned	35	10%
No opinion/ not sure	4	1%
Number of Respondents	**341**	**100%**

Q2. As we look to improve housing opportunities in Newark, which of the following do you think are the three biggest issues we need to address?

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
We need more homeownership opportunities especially for first time homeowners	226	66%
We need more affordable rental opportunities	140	41%
We need to encourage more housing types (apartments, accessory dwelling Units, duplexes/triplexes)	93	27%
We need more opportunities for those that are unhoused or in danger of being unhoused	96	28%
We need stronger protections for renters (minimum lease terms, relocation benefits)	44	13%
We need low cost home improvement programs for seniors and those on limited incomes	135	39%
Other (please specify)	60	18%
Number of Respondents	**319**	**93%**

Q3. Thinking about the cost of housing from one year ago ...

Answer Choices	Response Count	Respondent % (out of 342)
It is much less expensive to find a home	8	2%
Somewhat less expensive	6	2%
About the same	22	6%
Somewhat more expensive	73	21%
Much more expensive	188	55%
Does not apply/don't know	10	3%
Number of Respondents	**307**	**90%**

Q4. Based on the definition of "affordable" housing as being housing that takes 30% or less of your income to pay for it, how would you describe your current housing situation?

Answer Choices	Response Count	Respondent % (out of 342)
I'm in a home I like at a price I can afford	136	40%
I'm in a home I like but it's taking more than 30% of my income to be here	97	28%
I'm in a home I can afford, but it's not a place I like or meets my needs	54	16%
I'm in a home I can't afford, and don't like	28	8%
Number of Respondents	**315**	**92%**

Q5. If you're not happy with your current housing situation, what would make it better? (Check all that apply.)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
I need a home with more space	106	31%
I would like to live in a different neighborhood	44	13%
I rent, but would like to own my own home	86	25%
I need a place that is more accessible due to disabilities	14	4%
I need a home with fewer housemates or roommates	24	7%
I like my home, but need to pay less	67	20%
I'm happy with my current housing situation	113	33%
Number of Respondents	**299**	**87%**

Q6. Of the following five options, which three do you think are the most urgent affordable housing needs in Newark at this time?

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Housing for families - larger units with more bedrooms for all families, especially multigenerational or large families	171	50%
Housing for smaller households - smaller units or housing types for young adults and couples starting out, single households, students and seniors looking to downsize	148	43%
Housing for seniors - specific developments for seniors, including housing with supportive services	112	33%
Housing for people with special needs - greater accessibility and supportive services for those with disabilities	47	14%
Housing for those experiencing homelessness - transitional housing and permanent supportive housing	82	24%
Housing for low-income and underserved households – subsidized housing	119	35%
Other (please specify)	30	9%
Number of Respondents	**298**	**87%**

Q7. Thinking about the future of your neighborhood, what gives you optimism?

The survey received more than 200 responses to this question which were categorized and summarized in part in the community engagement summary included in this Housing Element.

Q8. Do you see your neighborhood as a place of opportunity for yourself and/or your family?

Answer Choices	Response Count	Respondent % (out of 342)
Yes	121	35%
No	60	18%
Somewhat	96	28%
Number of Respondents	**277**	**81%**

Q9. If you didn't answer yes to the previous question, what are three of the most pressing issues that would need to change to feel like there is more opportunity? (Please select up to three)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Pollution from vehicles on neighborhood streets and freeways	55	16%
Healthy food and grocery stores close to home or work	71	21%
City infrastructure and facilities that support physical activity, including sidewalks, bicycle lanes, parks, and recreation centers	112	33%
Air or chemical pollution from industrial businesses and activities.	52	15%
Easy to access health care facilities	35	10%
Affordable, safe, and healthy housing conditions	106	31%
Educational opportunities that are academically and culturally supportive	86	25%
Number of Respondents	**219**	**64%**

Q10. The city could do a variety of things to create more housing affordability. of the following six options, which three do you think are the most promising or worth doing? (Please choose 3)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Create incentives for building affordable housing	120	35%
Reduce the cost of building all housing, but especially affordable housing through lower fees and faster approvals	113	33%
Allow for a larger variety of housing through the city	93	27%
Use city-owned land for affordable housing	94	27%
Use city funds to get more state, federal and private funding for affordable housing (through the city's Affordable Housing Trust Fund)	117	34%
Enact policies such as inclusionary zoning that allow for a portion of affordable units in each development	96	28%
Number of Respondents	**260**	**76%**

Q11. What kind of housing would you like to see more of? (Check all that apply.)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Backyard cottages	125	37%
Duplexes, triplexes and fourplex	86	25%
Cottage clusters	106	31%
Townhomes	104	30%
Small to mid-size multifamily	77	23%
Multifamily buildings downtown	75	22%
Number of Respondents	**252**	**74%**

Q12. Where in Newark would you like to see more housing? (Please select all that apply)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Old Town (Thornton Ave between Cherry Street and Ash Street)	141	41%
Bayside Newark (formerly known as The Dumbarton Transit-Oriented Development, near Willow Street and Enterprise Drive)	99	29%
NewPark Place area (Newpark Mall Road and Cedar Blvd)	156	46%
Other (please specify)	46	13%
Number of Respondents	**248**	**73%**

Q13. Which hazards, both natural and human, do you think are most important for Newark to address? (Please choose three)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
None of the above	8	2%
Wildfires	53	15%
More frequent and intense heat waves	87	25%
Earthquakes	119	35%
Multi-year drought	179	52%
Sea-level rise and related flooding	150	44%
Hazardous materials spills	70	20%
Other (please specify)	32	9%
Number of Respondents	**264**	**77%**

Q14. How concerned are you about the impact of sea level rise, bringing the possibility of increased flooding to the lower-lying communities of Newark?

Answer Choices	Response Count	Respondent % (out of 342)
Very concerned about the impact flooding will have on lower-lying communities	100	29%
Somewhat concerned about the impact flooding will have on these communities	92	27%
Not really concerned about it	50	15%
No opinion, don't have enough information	26	8%
Number of Respondents	**268**	**78%**

Q15. Are there pollution and environmental issues you are concerned about in your neighborhood or larger community? (If so, please check all that apply.)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Issues related to car and truck traffic: Noise, air pollution	126	37%
Issues connected to industry in the area: air pollution, dangerous fumes, dumping of chemicals	121	35%
Poor quality drinking water	81	24%
Trash in public spaces, vacant lots, graffiti	168	49%
Other (please specify)	29	8%
Number of Respondents	**250**	**73%**

Q16. What is your connection to Newark? (Please select all that apply.)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
Live here	242	71%
Work here	51	15%
Go to school here	40	12%
Have a business here	15	4%
Have family or grew up here (but do not live here)	23	7%
Interested in Newark housing issues (but do not live here)	10	3%
Number of Respondents	**255**	**75%**

Q17. Currently I live...

Answer Choices	Response Count	Respondent % (out of 342)
In a home or condo I own	168	49%
In a home or apartment I rent	72	21%
In an unstable/unhoused situation	3	1%
Prefer not to say	11	3%
Number of Respondents	**254**	**74%**

Q18. How would you describe your home?

Answer Choices	Response Count	Respondent % (out of 342)
A single family home	196	57%
A multi-family home such as a duplex or apartment building	53	15%
A mobile or manufactured home	1	0.3%
Other (please specify)	7	2%
Number of Respondents	**250**	**73%**

Q19. What is your age?

Answer Choices	Response Count	Respondent % (out of 342)
Under 19	1	0.3%
20-29	9	3%
30-49	153	45%
50-69	72	21%
70+	18	5%
Number of Respondents	**253**	**74%**

Q20. What is your race and/or ethnicity? (Check all that apply.)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
American Indian or Alaskan Native	8	2%
Asian or Asian American	63	18%
Black or African American	3	1%
Hispanic or Latino	82	24%
Native Hawaiian or Pacific Islander	8	2%
White or Caucasian	107	31%
Other (please specify)	10	3%
Number of Respondents	**241**	**70%**

Q21. We would love for you to be involved in this process. If you have not attended public meetings in the past, please share what is keeping you from attending. (Please check all that apply.)

Answer Choices	Response Count (multi-select)	Respondent % (out of 342)
I have difficulty understanding what is being said in English	18	5%
I don't have the time to attend – too busy with work and/ or family	102	30%
I need child care to attend	25	7%
I don't feel that my opinions are heard and taken into consideration	88	26%
The time and /or day of the week meetings are held makes it difficult for me to attend	47	14%
Other (please specify)	52	15%
Number of Respondents	**200**	**58%**

Q22. and let us know if there's anything else you want to tell us:

The city received more than 200 comments which were categorized and used to inform policies and programs reflected in this document.

APPENDIX C HOUSING SITES INVENTORY

Introduction

A Housing Element must include an inventory of available land that is appropriately zoned and suitable for housing development to accommodate a jurisdiction's Regional Housing Needs Allocation (RHNA) as required by State law. This inventory for the City of Newark focuses on residential sites that are currently in the development pipeline, or vacant and non-vacant sites that can be made available for housing development affordable at varying income levels. This Appendix summarizes the evaluation of potential housing sites, and the adequacy of sites to meet development capacities to accommodate the City's regional housing needs for the 2023-2031 planning period.

California law (Government Code Sections 65583 (a)(3)) requires that the Housing Element contain an inventory of land suitable for residential development, including vacant sites and non-vacant (i.e., underutilized) sites having potential for development. State law also requires an analysis of the relationship to zoning and services to these sites as well as identifying sites throughout the community, in a manner that is consistent with its duty to affirmatively further fair housing (AFFH).

The analysis presented in this Appendix demonstrates that there is an adequate supply of suitable land to accommodate the City's housing allocation of 1,874 units, plus a surplus of 980 units to act as a "buffer" if sites develop to non-residential or at different affordability levels than assumed in the sites inventory. This section is organized by the following topics:

- Summary of Newark's projected housing needs by AMI level
- Capacity to Accommodate RHNA
- Sites selection process, including a description of the methodology and evaluation of site criteria, realistic unit capacity, and sites to accommodate varied income levels
- Evaluation of sites in meeting AFFH requirements
- Individual site profiles

Projected Housing Needs

A key component of any Housing Element Update is identifying adequate sites to address the jurisdiction's Regional Housing Needs Allocation (RHNA). The California Department of Housing and Community Development (HCD) determines state-wide projected housing needs and allocates new housing unit target numbers to regional councils of government (COGs). State law (California Government Code Section 65584) provides for COGs to then prepare and adopt plans

that assign a "fair share" of the region's housing needs to each city and county. The Association of Bay Area Governments (ABAG) is the COG that determines fair-share portions of state allocations for Newark. .

The City's RHNA requirements for the 2023-2031 Housing Element projection period are summarized in Table C- 1 below. For the 2023-2031 Housing Element planning period, the City of Newark is required to plan to accommodate the development of at least 1,874 housing units. This includes 464 units for very low-income households, 268 units for low-income households, 318 units for moderate-income households, and 824 units for above moderate-income households.

Housing Needs for Extremely Low-Income Households

Although the RHNA does not include allocations for extremely low-income households, Housing Element Law requires that jurisdictions estimate the need for housing units affordable to extremely low-income households and plan to accommodate this need. Extremely low-income households are those with incomes less than 30% of area median income. In Alameda County, 30% of the AMI is the equivalent to an annual income of $42,850 for a family of four. Households with extremely low incomes have a variety of housing situations and needs. For example, most families and individuals receiving public assistance, such as supplemental security insurance (SSI) or disability insurance, are considered extremely low-income households. Many households with multiple wage earners – including food service workers, full-time students, teachers, farmworkers, and healthcare professionals – can also fall into lower AMI categories due to relatively stagnant wages in these industries.

HCD's official Housing Element guidance notes that jurisdictions can use their RHNA for very low-income households (those making zero to 50 percent AMI) to calculate their projected need for extremely low-income households. HCD provides three methodologies for estimating this need: 1) allocate the percentage of very low-income need to extremely low-income households based on the ABAG region's proportion; 2) allocate the percentage of very low-income need to extremely low -income households based on the current proportion for Newark; 3) assume that 50 percent of Newark's very low-income RHNA is for extremely low-income households. To estimate the projected housing need for extremely low-income households, 50 percent of Newark's 464 very low-income RHNA units are assumed to serve extremely low-income households. Based on this methodology, the City has a projected need of 232 units for extremely low-income households over the 2023-2031 Housing Element planning period. More than half of this allocation will be provided through the Cedar Creek Apartments, which is already in the development pipeline and has received $6M in funding support from the City's Affordable Housing Impact Fee Fund.

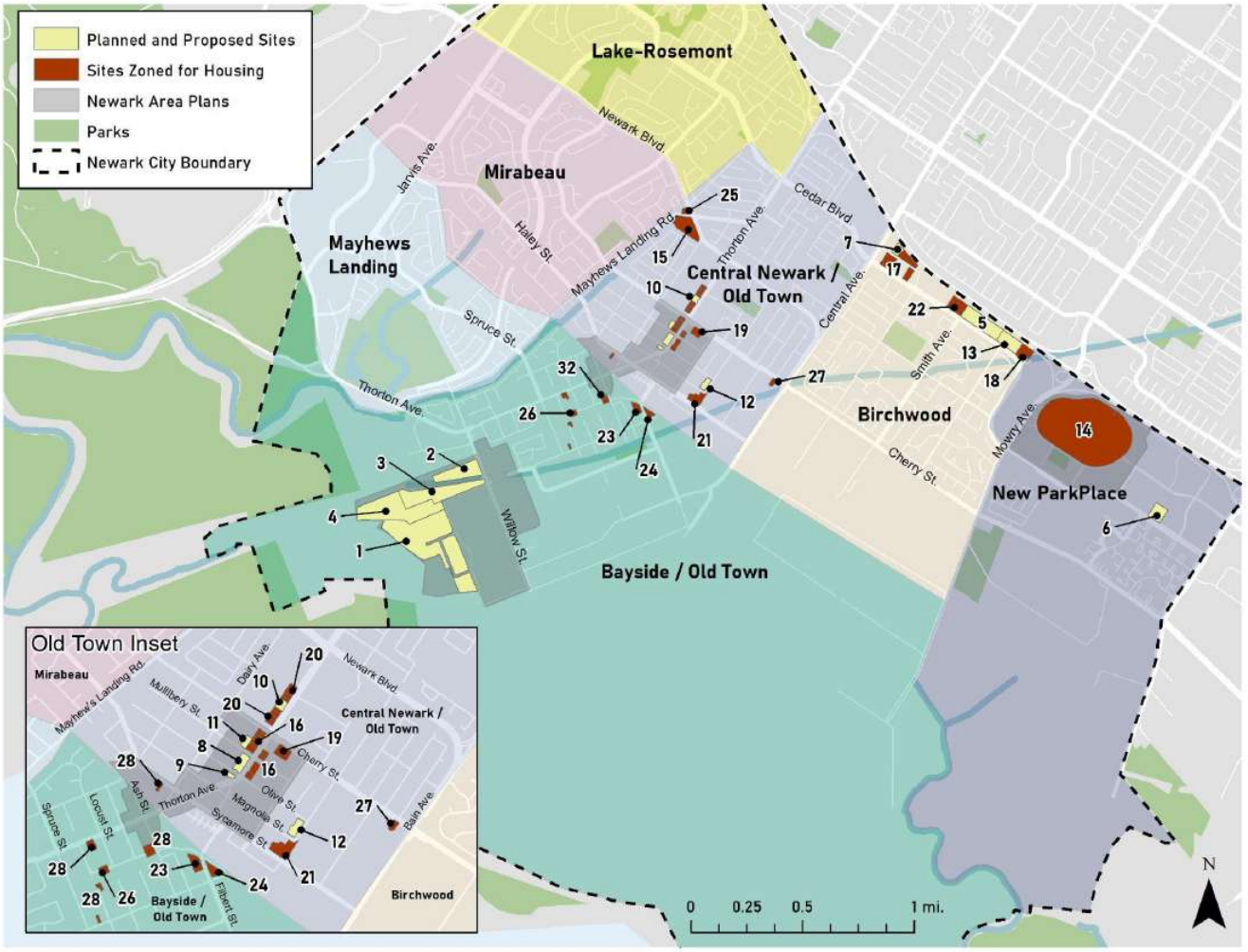
Capacity to Accommodate RHNA

The total realistic development capacity of all sites in the land inventory is detailed in Table C-1 below which lists all consolidated sites in the sites inventory and total residential capacity against the City's 6th cycle RHNA. The total realistic capacity shown is 2,854 units, which exceeds the net target of 1,874 units the City is required to plan to accommodate for its RHNA, and also supplements that allocation by providing a significant buffer representing more than 100 percent of the required RHNA for all income levels; this includes a 13 percent buffer for very low-income units and 10 percent for low-income units. HCD recommends that jurisdictions provide a 15 to 30 percent buffer beyond the minimum RHNA target to comply with the "no net loss" provisions of State Housing Element Law that require the jurisdiction to maintain sufficient capacity to accommodate its RHNA for the duration of the planning period at every income level. In addition to considering the aggregate number of units that the sites can accommodate, it is necessary to consider the potential for sites to accommodate housing that is affordable to all income levels, in accordance with the RHNA allocations, as discussed in the "Evaluation of Sites to Accommodate Varied Income Levels" .

Each of the two primary project types, Pipeline Projects and Sites Zoned for Housing, are presented in Table C-1 below and described in further detail in the Sites Selection section. As shown in Table C-1, the number of units from Pipeline Projects represents 67 percent of the city's RHNA, including 59 percent of Newark's RHNA for very low-income (VLI) housing. Though these Pipeline units do not fulfill the RHNA allocation at every income level, this demonstrates there are sufficient sites for the City's RHNA and provides strong evidence there is residential developer interest and economic feasibility for housing development on the types of sites, including non-vacant sites, identified in this inventory. Table C-2 lists the APNs and acreage for all sites zoned for housing.

The following map shows the distribution of sites throughout the City of Newark with an inset for the boundary of the Old Town Specific Plan. Parcels indicated in yellow are active project sites (pipeline projects) while sites indicated in red are sites zoned for housing, or locations whose zoning and land use will support new housing. The map also shows three specific plan areas: Old Town Specific Plan, Bayside Newark, and NewPark Place Specific Plan. The site numbers match data in the following tables which show unit counts and the more detailed summary sheets found later in this document.

Figure C-1: Housing Sites for the RHNA 6th Cycle



Source: Adapted by Community Planning Collaborative, 2023

Table C-1: City of Newark Sites Inventory

Site	Name	Income Level				Total Units
		Very Low	Low	Moderate	Above Moderate	
Planned and Proposed Projects (Also known as pipeline projects are sites 1 through 13)						
1	Bridgeway / Gateway (under construction)	0	0	0	134	**134**
2	FMC Willow - North (Parcel C) (entitled)	47	23	21	64	**155**
3	FMC Willow - South (entitled)	0	0	0	215	**215**
4	Harbor Pointe (under construction)	0	0	0	192	**192**
5	Cedar Homes- 38478 Cedar Boulevard (entitled)	0	0	0	118	**118**
6	Cedar Community Apts. (complete)	124	0	0	1	**125**
7	Timber St. Senior Living (entitled)	39	39	1	0	**79**
8	Lepakshi Homes - Building A, 6781 Thornton Ave. (active application)	0	0	0	60	**60**
9	Lepakshi Homes - Building B, 6781 Thornton Ave. (active application)	8	4	3	13	**28**
10	SAHA Development- 6347 -6375 Thornton Ave. (active application)	56	0	1	0	**57**
11	Mulberry Residential 36952 Mulberry Street (entitled)	0	0	0	8	**8**
12	Bain Ave. & Magnolia St. - 37280 Magnolia Street (under construction)	0	0	0	10	**10**
13	Waymark Homes - Cedar Blvd (entitled)	0	0	0	76	**76**
	Subtotal Planned and Proposed	274	66	26	891	1,257
Sites Zoned for Housing (Vacant and Nonvacant sites are sites 14 through 28)						

Site	Name	Income Level				Total Units
		Very Low	Low	Moderate	Above Moderate	
14	NewPark Place (Phases A to D)	36	18	18	535	607
15	Grocery Outlet Shopping Center	27	26	0	0	53
16	Thornton Ave. Sites (within Old Town Specific Plan boundary)	41	41	40	40	162
17	Cedar Blvd. and Timber St. Industrial Sites	0	0	0	61	61
18	E-Z 8 Motel	39	38	0	0	77
19	Cherry Plaza	15	15	0	0	30
20	Thornton Ave. Sites (outside of Old Town Specific Plan boundary)	18	18	18	17	**71**
21	Sycamore St. Vacant Lot	25	25	24	0	74
22	Cedar Blvd. Public Storage Sites	0	0	0	41	41
23	Filbert Villas - 37243 & 37257 Filbert St. (expired entitlement)	0	0	0	16	**16**
24	Filbert Ave. Sites	0	0	0	7	7
25	Mayhews Place - 36589 Newark Boulevard (expired entitlement)	0	0	0	9	**9**
26	Locust St. & Railroad - 37093 Locust St. (expired entitlement)	0	0	0	6	**6**
27	Fahmy Homes - 37503 & 37511 Cherry Street (expired entitlement)	0	0	0	6	**6**
28	Neighborhood Infill Lots	0	0	0	17	**17**
	Accessory Dwelling Units (ADUs)	48	48	48	16	160
	Middle Housing Units	0	0	200	0	200
	Subtotal Sites Zoned for Housing	249	229	348	771	1,597
	Total Capacity	523	295	374	1,662	2,854
	Newark RHNA	**464**	**268**	**318**	**824**	**1,874**
	Surplus %	113%	110%	118%	202%	152%
	Surplus Units	59	27	56	838	980

Source: City of Newark; Community Planning Collaborative, 2023.

Table C-2: City of Newark Sites Inventory with APNs and Acreage

#	Name	APN	Acreage	GP Land Use	Zoning	Income Level				Total Units
						Very Low	Low	Mod.	Above Mod.	
Planned and Proposed Projects										
1	Bridgeway / Gateway	assorted	n/a	LDR, MDR	BTP	0	0	0	134	134
2	FMC Willow - North	92-100-5	7.21	TS, R	BTP	47	23	21	64	155
3	FMC Willow - South	537-852-1-8	12.67	HDR, O, TS	BTP	0	0	0	215	215
4	Harbor Pointe	537-852-1-3	1.71	HDR, O	BTP	0	0	0	192	192
		537-852-2-9	2.29							
		537-852-2-16	15.70							
5	Cedar Homes	92A-2375-2-6	7.16	MDR	RM	0	0	0	118	118
6	Cedar Community Apts.	901-195-38	1.36	CC	CC	124	0	0	1	125
		901-195-37	1.36							
7	Timber St. Senior Living	92A-2125-10-2	1.04	MDR	RM	39	39	1	0	79
8	Lepakshi Homes - Building A	92-30-17-2	0.17	CMU	CMU	0	0	0	60	60
		92-30-16-2	0.17							
		92-30-18-4	0.31							
		92-30-14-3	0.19							
		92-30-15-2	0.17							
9	Lepakshi Homes - Building B	92-31-16-2	0.17	CMU	CMU	8	4	3	13	**28**
		92-31-15	0.08							
10	SAHA Development-Thornton Ave.	92A-919-17-2	0.18	HDR	RH	56	0	1	0	**57**
		92A-919-16-2	0.18							
		92A-919-18	0.20							
11	Mulberry St. Residential	92-29-22	0.23	MDR	RM	0	0	0	8	8
		92-29-21	0.23							

#	Name	APN	Acreage	GP Land Use	Zoning	Income Level				Total Units
						Very Low	Low	Mod.	Above Mod.	
12	Bain Ave. & Magnolia St.	92-61-11	0.43	MDR	RM	0	0	0	10	10
		92-61-12-2	0.36							
		92-61-12-1	0.14							
13	Waymark Homes	92A-2585-12-1	0.83	MDR	RM	0	0	0	76	76
		92A-2585-30-4	0.35							
		92A-2585-31	2.62							
Subtotal Planned and Proposed						**274**	**66**	**26**	**891**	**1,257**
Sites Zoned for Housing										
14	NewPark Mall (Phases A to D)	901-111-19	9.71	Mixed-use I	RC	36	18	18	535	607
		901-111-24	7.89							
		901-111-30	0.82							
		901-111-21	4.34							
		901-111-24	1.21							
		901-111-22	6.24							
		901-111-31	3.30							
		901-111-26	5.64							
		901-111-26	1.54							
		901-111-20	7.42							
		901-111-26	0.64							
		901-111-29	1.03							
		901-111-25	14.71							
15	Grocery Outlet Shopping Center	92A-900-1-2	4.62	CMU	CMU	27	26	0	0	53
16	Thornton Ave. Sites (within Old Town Specific Plan boundary)	92-50-1-3	0.13	CMU	CMU	41	41	41	41	162
		92-29-20-2	0.34							

#	Name	APN	Acreage	GP Land Use	Zoning	Income Level				Total Units
						Very Low	Low	Mod.	Above Mod.	
		92-29-16-2	0.17							
		92-29-15-2	0.09							
		92-50-2-3	0.13							
		92-29-19-2	0.17							
		92-29-18-2	0.17							
		92-51-5-3	0.50							
		92-50-3-3	0.13							
		92-29-14-2	0.08							
		92-29-17-2	0.17							
		92-29-13	0.16							
		92-51-2-3	0.27							
17	Cedar Blvd. and Timber St. Industrial Sites	92A-2125-17	1.00	MDR	RM	0	0	0	61	61
		92A-2125-11-2	1.67							
		92A-2125-13	2.00							
18	E-Z 8 Motel	92A-2585-32	2.24	HDR	RH	39	38	0	0	77
19	Cherry Plaza	92-50-13	0.96	CMU	CMU	15	15	0	0	30
20	Thornton Ave. Sites (outside of Old Town Specific Plan boundary)	92A-919-20-2	0.24	RHD	RH	18	18	18	17	**71**
		92A-919-11-2	0.21							
		92A-919-15-2	0.16							
		92A-919-13-2	0.19							
		92A-919-21-2	0.24							
		92A-919-12-2	0.16							
		92A-919-22-2	0.24							
		92A-919-14-2	0.21							
		92A-919-19-2	0.19							

#	Name	APN	Acreage	GP Land Use	Zoning	Income Level				Total Units
						Very Low	Low	Mod.	Above Mod.	
21	Sycamore St. Vacant Lot	92-255-11	1.81	RHD	RH	25	25	24	0	74
22	Cedar Blvd. Public Storage Sites	92A-2375-32	1.44	RMD	RM	0	0	0	41	41
		92A-2375-32	1.46							
23	Filbert St. Villas	92-131-3	0.17	RMD	RM	0	0	0	16	**16**
		92-54-4	0.18							
		92-54-5	0.21							
24	Filbert Ave. Sites	92-54-6	0.31	RMD	RM	0	0	0	7	7
		92A-623-43	0.52							
		92-125-10	0.43							
25	Mayhews Place	92A-623-43	0.52	LMDR	MDR	0	0	0	9	**9**
26	Locust & Railroad	92-125-10	0.43	LMDR	RS	0	0	0	6	**6**
27	Fahmy Homes	92-75-5-2	0.18	MDR	RM	0	0	0	6	**6**
		92-75-4-2	0.20							
28	Neighborhood Infill Lots	92-135-23	0.19	LDR	RS	0	0	0	17	**17**
		92-127-13	0.17							
		92-136-15	0.14							
		92-24-10	0.17							
		92-127-20	0.43							
		92-125-2-2	0.42							
	Accessory Dwelling Units (ADUs)	n/a	n/a			48	48	48	16	160
	Middle Housing Units	n/a	n/a			~~0~~	~~0~~	200	~~0~~	200
	Subtotal Sites Zoned for Housing					249	229	348	771	1,597
	Total Capacity					**523**	**295**	**374**	**1,662**	**2,854**

#	Name	APN	Acreage	GP Land Use	Zoning	Income Level				Total Units
						Very Low	Low	Mod.	Above Mod.	
Newark RHNA						**464**	**268**	**318**	**824**	**1,874**
Surplus %						113%	110%	118%	202%	152%
Surplus Units						59	27	56	838	980

Source: City of Newark; Community Planning Collaborative, 2023.

Site Selection Process

The following is a summary of the overall sites inventory process and the methodology and assumptions that support the sites selection process. Using guidance provided by HCD, an inventory of available sites was conducted by closely examining site characteristics and other HCD-established criteria. Primarily, sites were identified by using Geographic Information Systems (GIS) mapping software from multiple datasets to identify parcels that fit the HCD-specified criteria as adequate housing sites. Sites were further refined over a series of working sessions and through input staff, the City Council and community and development sector stakeholders through the community engagement process. The information used to generate the sites inventory database was derived from these primary resources:

1. ABAG's Housing Element Site Selection (HESS) Tool;
2. City of Newark current and long-term planning records and planning documents;
3. County of Alameda assessor's data.

Housing sites identified as part of the site inventory analysis were evaluated using a variety of criteria to determine their ability to meet State requirements and meet the City's RHNA, plus a buffer. The following sections describe the screening criteria and methodology applied for the site selection process. Once all sites had been selected and verified, the realistic density assumption was informed by and calculated from precedent projects in Newark, as well as from regional data provided by ABAG through the HESS tool realistic capacity module.

Methodology/Evaluation of Possible Sites

To meet the City's RHNA requirement, three primary project types are identified in the sites inventory, as described below. The methodology and assumptions that support these project types are summarized in the "General Site Evaluation Considerations" and "Sites for Rezoning" sections.

Planned and Proposed/Pipeline Projects

Pipeline Projects include those that have been approved, permitted, or received a final certificate of occupancy since the beginning of the RHNA projection period (which started on June 30, 2022). Based on HCD guidance, these projects may be credited toward meeting the RHNA allocation based on the affordability and unit count of the development. The following is a description of the subcategories under Pipeline Projects:

Approved/Under Construction: These projects include those that have been approved or are under construction and will receive a final certificate of occupancy after the beginning of the RHNA projection period, making these projects eligible to be counted towards the 6th cycle RHNA.

Proposed Projects: These are projects that are seeking entitlements. Project status includes formal applications or pre-applications under review, master plans with development agreements approved or under review (only those portions realistically expected to start construction by 2031), and sites owned by 100 percent affordable housing developers with the intent to submit applications in the next year. Permits or certificates of occupancy for these Proposed Projects are expected to be issued in the 6th cycle, making these projects eligible to be counted towards the 6th cycle RHNA as well.

Project Status and Barriers to Development

The City expects to accommodate a significant percentage of its RHNA through planned and proposed projects. Currently, there are 13 projects which are in various stages of the development process and are expected to provide 1,257 units, 340 of which are lower income. One project, Cedar Community Apartments, has been completed and has provided 124 units of very low income housing. Three of the projects are in the construction phase, six are entitled, and three are active applications. Newark continues to see strong demand in multifamily housing as indicated by these planned and proposed projects and development trends from the previous planning cycle.

The following table (C-3), provides an overview of the different projects, potential barriers, likelihood of development within the planning period, and expected completion date. While numerous factors affect a project's completion, many of which are outside of the purview of the City, all of the projects are likely to be completed within RHNA 6 planning period. Six of the thirteen projects have known barriers identified by the city, the most common being that building permits must be approved or a request for an entitlement extension must be submitted. The City is closely monitoring the progress of each of these projects and is in contact with applicants to provide guidance on how to keep project progress moving forward.

Table C-3: Planned and Proposed Sites with Project Status

Site	Name	Development Stage	Remaining Steps in Entitlement Process	Known Barriers to Development in Planning Period	Likelihood of Development in Planning Period	Expected Completion	Income Level				Total Units
							Very Low	Low	Mod.	Above Mod.	
1	Bridgeway / Gateway	under construction	none	none	Likely	2024	0	0	0	134	**134**
2	FMC Willow - North (Parcel C)	entitled	none	none	Likely	Building permits issued late 2024; construction complete in 2026	47	23	21	64	**155**
3	FMC Willow - South	entitled	none	none	Likely	Building permits issued late 2024; construction complete in 2026	0	0	0	215	**215**
4	Harbor Pointe	under construction	none	none	Likely	2024	0	0	0	192	**192**
5	Cedar Homes- 38478 Cedar Boulevard	entitled	none	Clearance required for underground leakage from applicable agencies prior to grading permit issuance. Building permit approval or entitlement extension required by May 25, 2025.	Likely	Building permits issued mid-2024; construction complete late 2025.	0	0	0	118	**118**

Site	Name	Development Stage	Remaining Steps in Entitlement Process	Known Barriers to Development in Planning Period	Likelihood of Development in Planning Period	Expected Completion	Income Level				Total Units
							Very Low	Low	Mod.	Above Mod.	
6	Cedar Community Apts.	complete	none	none	Complete	2023	124	0	0	1	**125**
7	Timber St. Senior Living	entitled	none	Construction closing process must be complete and construction started by February 19, 2024 as required by TCAC/CDLAC. Building permit approval or request for entitlement extension required by October 28, 2024.	Likely	Building permits issued Q1 2024; construction complete by late 2025.	39	39	1	0	**79**
8	Lepakshi Homes - Building A, 6781 Thornton Ave.	active application	Completeness determination; CEQA review; Planning Commission and City Council review.	Visibility triangle requirements for corner lots must be met. Main water line adjustment needs to be complete and new fire hydrants need to be added.	Likely	Entitlements issued by mid 2024; building permits issued late 2024; construction complete by mid-2026.	0	0	0	60	**60**
9	Lepakshi Homes - Building B, 6781 Thornton Ave.	active application	Completeness determination;CEQA review; review; Planning Commission and City Council review	None	Likely	Entitlements issued by mid 2024; building permits issued late 2024;	8	4	3	13	**28**

Site	Name	Development Stage	Remaining Steps in Entitlement Process	Known Barriers to Development in Planning Period	Likelihood of Development in Planning Period	Expected Completion	Income Level				Total Units
							Very Low	Low	Mod.	Above Mod.	
						construction complete by mid-2026.					
10	SAHA Development- 6347 -6375 Thornton Ave.	active application	Completeness determination, CEQA, public hearings	Entitlement application needed which is expected in November 2023.	Likely	Entitlements issued in 2024; construction complete in 2026	56	0	1	0	**57**
11	Mulberry Residential 36952 Mulberry Street	entitled	none	Construction drawings required which may be delayed due to high interest rates. Building permit approval or request for entitlement extension required by June 22, 2025.	Likely	Building permits issued late 2024; construction complete in early 2026	0	0	0	8	**8**
12	Bain Ave. & Magnolia St. - 37280 Magnolia Street	under construction	none	none	Likely	2023	0	0	0	10	**10**

Site	Name	Development Stage	Remaining Steps in Entitlement Process	Known Barriers to Development in Planning Period	Likelihood of Development in Planning Period	Expected Completion	Income Level				Total Units
							Very Low	Low	Mod.	Above Mod.	
13	Waymark Homes - Cedar Blvd	entitled	none	Closing of sale on City property must be complete by January 12, 2024 per the Purchase & Sale Agreement. Building permit approval or request for entitlement extension required by September 14, 2025.	Likely	Building permits issued 2024; construction complete late 2026	0	0	0	76	**76**
Subtotal Planned and Proposed							274	66	26	891	1,257

Sites Zoned for Housing

Sites zoned for housing comprise the second main type of site to accommodate the City's RHNA, including both vacant and non-vacant sites with available infrastructure and that meet a variety of criteria that make them candidates for residential development during the 6th cycle planning period. These sites are considered vacant or underutilized and are eligible for residential development as is currently allowed under the existing zoning in the General Plan or in one of the City's adopted specific plans.

Accessory Dwelling Units and SB 9 Units

Accessory Dwelling Units are considered opportunities for residential development and are based on projected development during the planning period as is currently allowed under the existing zoning or General Plan. The sites inventory provided in Table C-1 assumes that Newark will continue to approve on the order of 15 units per year[15]. In addition, it is anticipated that homeowners in Newark will begin to take advantage of the opportunities to add additional housing units through the addition of new units on existing residential lots or through urban lot splits as provided in SB 9.[16]

[15] The affordability levels assumed by Newark in the sites inventory for ADU production is supported by research conducted for ABAG's RHTA program and is based on a robust statewide survey of ADUs by affordability level. https://abag.ca.gov/sites/default/files/documents/2022-03/ADUs-Projections-Memo-final.pdf

[16] https://www.hcd.ca.gov/docs/planning-and-community-development/SB9FactSheet.pdf

General Site Evaluation Considerations

This section provides a summary of the evaluation considerations made as part of the analysis and a description of each consideration. As most of the city is already built with limited vacant parcels remaining, sites in the inventory primarily include non-vacant parcels that already have access to infrastructure and meet a variety of HCD criteria that make them suitable candidates for housing redevelopment. While sites not included in the sites inventory can also be developed for housing to meet RHNA targets, those sites identified in the inventory are considered optimal and most likely to develop and contribute to housing production in the 6th cycle. The following considerations were evaluated and are described in more detail in the following sections:

- Infrastructure Availability;
- Environmental Constraints;
- Site Status and Capacity (i.e., vacant, underutilized, existing uses, and residential zoning);
- Site Size;
- Permitted Density; and
- Evaluating Sites from Prior Housing Element(s).

Infrastructure Availability

The availability of utility infrastructure to a site can be a constraint to housing development and was considered as an evaluation criterion when working to identify sites for the inventory. As a primarily developed community, the City of Newark is well-served by existing infrastructure systems, including both wet and dry utilities. As much of Newark already has available or nearby access to water and wastewater services, wet utilities are not a constraint to residential development though minor upgrades to these services (e.g., expanded sewer and water hookups to the trunk line) may be needed to develop select sites for residential uses. All sites have been screened to have available infrastructure.

Environmental Constraints

The analysis of environmental constraints included a review of all parcels identified in the inventory using different GIS-based data screens as well as ABAG's HESS tool to determine if sites possess one or more environmental constraint, including hazard risks such as parcel shapes, flood zones or wetlands, easements, contamination, steep slopes, and other possible constraints to development feasibility. Two sites, both in the construction phase, Bridgeway/Gateway and Harbor Pointe have floodplain exposure, which was mitigated during the entitlement process. None of the sites in the inventory, either planned or proposed or zoned for housing, have irregular shapes, or are impacted by either wetlands or critical habitat.

The sites zoned for housing in the sites inventory are located in urbanized areas of the City and do not have special hazard risks or significant environmental challenges. However, some of the sites zoned for housing have current or former industrial uses which may need contamination mitigation. Additional regulatory constraints or mitigation efforts have not been an issue for the projects that have been entitled or are in the entitlement process (for example, Waymark Homes and Timber St. Senior Living) in this

formerly industrial/warehouse area. For instance, the Environmental Impact Report for the Bayside Newark Specific Area Plan, an area that had considerable previous industrial contamination, outlines and addresses contamination and other environmental concerns which has led the way for significant housing construction. Where siting housing on parcels with environmental constraints may be unavoidable to accommodate the City's housing need, risks would be addressed through building codes and other mitigation measures.

Site Status and Capacity

Sites in Newark which are zoned to accommodate housing include vacant and nonvacant sites in the zoning districts summarized in Section 4A. Residentially zoned sites, either vacant or underutilized, were considered as potential buildable residential sites and were evaluated for site adequacy and capacity. Government Code Sections 65583(a)(3) and 65583.2 require that the inventory of suitable land look at criteria for vacant and underutilized sites as outlined below:

- Vacant sites that are zoned for multi-family development
- Vacant sites that are not zoned for multi-family development, but that allow such development
- Underutilized sites that are zoned for residential development and capable of being developed at a higher density or with greater intensity
- Sites that are not zoned for residential development, but can be redeveloped for and/or rezoned for multi-family residential development
- Sites owned or leased by the City that can be redeveloped for multi-family residential development within the housing cycle
- Sites controlled by the State, a city/county, or another public agency where there is agreement/documentation that the site can be developed within the housing cycle
- Non-vacant sites require substantial evidence to demonstrate that existing development will not preclude housing production during the planning period

A methodology to determine "underutilized" sites was necessary given that the City has shrinking supply of vacant land. Sites were removed from consideration in the underutilized methodology if sites: did not initially allow residential uses, were historic resources, were sites that support community-serving uses (parks, utilities, transportation, schools, hospitals), had structures that were recently built or modified, and were generally built out to their allowed density.

Sites owned by the City and other public agencies were also evaluated for affordable housing development, but none were identified as suitable at this time.

Site Size

Per State law, sites smaller than half an acre or larger than 10 acres are not considered adequate to accommodate lower income housing needs unless it can be demonstrated that sites of equivalent size were successfully developed during prior planning periods, or other evidence is provided that sites at this size can be developed as lower income housing.

Large Sites – There are no individual sites in the inventory larger than 10 acres (with the exception of one parcel within the NewPark Place Specific Plan Area which is 14.7 acres).

Small Sites – The sites inventory includes parcels that are less than or slightly greater than one-half acre in size. A screening of these smaller parcels and common ownership was conducted. Where smaller parcels were immediately adjacent to other Opportunity Sites that had the same landowner, these parcels were consolidated to create larger sites, given the likelihood of these consolidated sites being developed together as a single project (the SAHA Thornton Avenue project falls in this category). Recent proposals and projects underway confirm trends toward lot consolidation in Newark. Sites 8-13 are all recent examples of projects where lot consolidation is happening, entitlements have been issued (Sites 11 and 13) or are under review (Sites 8-10), and in some cases, construction is progressing (Site 12). In addition, interviews with the owners of Site 23 and 27, which have expired entitlements, confirm continued interest in parcel assembly (Site 23 has already been assembled) and development and do not indicate that lot consolidation is a barrier to development. In combination with Program 2.11, which will provide incentives for lot consolidation, conditions for the potential development of small parcels in Newark are promising. A full list of these and other sites is included in the sites inventory form to be prepared for submission to HCD for review.

Permitted Density

State law (Government Code Section 65583.2(c)(3)) establishes a "default density standard" of 30 units per acre for lower income units in a metropolitan jurisdiction such as Newark. This is the minimum density that is deemed appropriate in State law to accommodate the City's lower income RHNA. In accordance with the State's default density standards, sites that could support a minimum of 30 units per acre were considered appropriate for very low and low income units, as well as for moderate income units. All underutilized Opportunity Sites in the inventory can accommodate at least the default density.

Evaluating Sites from Prior Housing Element(s)

To accommodate the 2023-2031 RHNA, sites from both the 4th and 5th cycle housing elements were evaluated to determine their viability for the 2023-2031 Housing Element planning period. As reflected in Program H3.6 and Table 6-2, the city has identified all parcels that need to be rezoned to accommodate RHNA during the planning period. Specifically, by January 31, 2024, Newark will implement zoning text amendments to provide adequate capacity for up to 602 units. This program will provide for a minimum density of 30 DU/A for sites to accommodate lower income RHNA units. The City will incorporate a replacement housing provision for any sites with existing residential use and will permit multifamily uses without discretionary action.

Pursuant to AB 1397, Newark will also amend the Zoning Ordinance to require by-right approval of housing development that includes 20 percent of the units as housing affordable to lower-income households, on sites being used to meet the 6th Cycle RHNA that represent "reuse sites" previously identified in the 4th and 5th Cycles Housing Element. The ten sites listed in Table 6-2 will be adjusted by text amendment to accommodate the lower income RHNA as needed.

Sites for Rezoning

Government Code section 65583.2(h) sets requirements if sites are identified for rezoning to accommodate a lower income RHNA shortfall. The City's sites inventory does not have a lower income shortfall, and therefore is not subject to those requirements.

Realistic Capacity Evaluation - Approach and Methodology

As required by Housing Element law, local governments must analyze available sites based on a determination of their realistic residential development capacity. Consistent with this requirement, Newark collected and analyzed data on precedent projects to evaluate the realistic capacity of both vacant sites and non-vacant/underutilized sites in both residential and commercial/mixed-use zones. Specifically, the typical achieved densities of existing or approved residential development on sites in all zoning districts were analyzed to confirm their realistic capacity to achieve the identified number of housing units for each site by AMI level.

Land Use, Zoning and Development Standards and Realistic Capacity

The precedent projects used as reference housing developments for this analysis are subject to the same land use controls and site improvement standards as the sites in the inventory. Local precedent projects were supplemented by sub-regional data provided from the ABAG HESS tool regarding typical achieved densities on projects in the Newark/Tri-City Market Area.

Realistic Capacity in Multifamily-Residential (RM, RH zones)

For housing opportunity sites identified in the City's multi-family residential districts (RM, RH), the realistic capacity assumption applied to total site capacity is 80 percent. This assumption is conservatively set lower than representative projects currently in the City's development pipeline (see, for example, Site 7 in the below sites inventory, which is being built out at more than 100 percent of the maximum allowed density in the RM zone). This more conservative realistic capacity adjustment factor for sites in the RM and RH zones is also broadly consistent with 357 projects built in the Multi-Family Residential districts of the Tri-City area between 2018 and 2020.[17]

Realistic Capacity in Commercial Mixed-Use, Regional Commercial (CMU, RC zones) and Other Non-Residential Zones

Per State Housing Element law, the realistic development capacity calculation for nonresidential, non-vacant, or overlay zoned sites must be adjusted to reflect the realistic potential for residential development capacity on the sites in the inventory. Specifically, when the site has the potential to be developed with non-residential uses, requires redevelopment, or has an overlay zone allowing the underlying zoning to be utilized for residential units, these capacity limits must be reflected in the Housing Element.

For this analysis, Newark has taken into account both recently developed and planned and proposed residential development in Newark as well as data from comparable projects in the Tri-City area obtained from the HESS tool. As detailed in the realistic capacity analyses provided for Sites 14 through 28, factors used to make the adjustment included:

- Local and regional residential development trends in non-residential zoning districts.

[17] ABAG HESS tool

- Local or regional track records, past production trends, and development yields for redeveloping sites or site intensification.
- The likelihood for residential development based on recent precedents, market demand and City efforts to incentivize the development of 100 percent residential development on formerly commercial sites (see, for example, Site 14 Newpark Place, which contemplates new residential development on several sites that were formerly commercial).

Market data provided by the HESS tool identified 128 project(s) built in the non-residential districts of the Alameda South County/Tri-Cities Area between 2018 and 2020. The average number of units built as a percentage of the maximum allowable units on these sites was 130 percent. However, due to ground floor retail requirements and the experience of comparable pipeline projects, a more conservative feasibility multiplier of 80 percent was used in the sites inventory analysis to reflect local conditions in Newark, and also to take into account the unlikely event that commercial-only development would occur on these sites, despite recent development trends.

Development Trends in Commercial and Mixed-Use Zones

As noted, precedent projects were evaluated to determine the likely density of 100 percent residential development in each of the zones that permit housing in Newark. In general, throughout Newark and the larger Tri-City market area, residential uses have been outcompeting retail and office uses, and the overwhelming trend has been towards the conversion of existing commercial centers. The NewPark Place Specific Plan reflects this trend in that there is a planned downsizing of the commercial retail portions of the existing center in favor of higher density residential product types.

During the fifth cycle RHNA planning period, only five (5) non-residential commercial projects were developed on commercial or mixed-use sites in Newark. Specifically, these 100 percent commercial uses consisted of the following projects: three hotels developed on commercial and mixed-use sites; a new restaurant replacing an existing restaurant in a commercial zone; and, a Costco retail warehouse replacing existing commercial uses in the NewPark Place Specific Plan Area resulting in a net decrease in commercial floor area.

This Limited commercial development occurred in the context of over 30 residential development projects that were approved during the same time frame in residential and specific plan areas, representing thousands of new units. In addition, the City receives regular inquiries from developers interested in developing housing on existing commercial land, reflecting the strong trend towards the conversion of existing commercial land to residential and mixed-uses. Taking these development trend factors into account, the realistic capacity factor of 80% is extremely conservative in accounting for the limited possibility that future development on these sites may be 100% non-residential.

Overall Planning and Development Context for Residential Development in Formerly Non-Residential Areas

Newark has a history of reimagining underutilized sites for new housing development. As described in Section 4, Section A (Housing Constraints, Governmental Constraints) Newark has adopted specific plans in important transitional areas of the City that can accommodate a variety of uses, including residential

uses:

- Bayside Newark Specific Plan (formally known as the Dumbarton TOD Specific Plan) an area of over 200 acres that contained various industrial, manufacturing, chemical processing, and salt production facilities. Extensive environmental and hazardous materials remediation has been completed to allow the construction of dense single-family and multiple-family residential buildings. As of 2023, over 2,000 units have been approved, built, and/or are in a phase of construction.
- Old Town Specific Plan, an area of 76 acres representing some of Newark's oldest neighborhoods. The specific plan's vision is the development of this corridor into a mixed-use area that accommodates a range of housing types, retail and service businesses, expanded public spaces, and mobility improvement. Through zoning amendments,streetscape improvements, and public and private investments, the plan envisions Old Town Newark as a revitalized mixed-use neighborhood with a strong sense of place. The specific plan envisions approximately 400 net-new residential units to be located within the specific Plan area.
- NewPark Place Specific Plan provides a comprehensive planning and development implementation strategy for a 125-acre area in the southeastern portion of the city adjacent to I-880, which includes the existing NewPark Mall retail center (mall), the parking facilities that surround it, and commercial uses on the perimeter of the center. Thisspecific plan envisions over 1,500 residential units located in the existing shopping malls surface parking area. Residential uses are permitted uses within these surface parking areas; conditional use permits are not required.

In addition to adopting specific plans, the city has rezoned other areas of the city from commercial and industrial uses to residential uses. For example, through various zoning amendments and project entitlements, the light industrial neighborhood on the eastside of Cedar Boulevard between Central Avenue and Mowry Avenue is transforming into a dense urban neighborhood. Since 2014, over 700 residential units have been approved or constructed within this area.

Newark has consistently approved residential development on lands that have transitioned from industrial and other uses into high-quality residential neighborhoods, resulting in the production of thousands of units. This development is in addition to residential development on lands identified in the general plan and in zoning districts specifically for residential uses. Residential development is expected to continue, especially in areas where mixed-uses are allowed, based upon the implantation of housing element policies and State legislation that remove barriers to residential development on commercial and mixed-use sites.

Policies and Programs Incentivizing Residential Development in Commercial and Mixed Use Area

This above realistic capacity analysis is further supported by a range of policies and programs that the City has committed to implementing during the planning period. These policies include, but are not limited to, the following:

PROGRAM H2.3: Investigate Opportunities in the Four Corners Area to facilitate market-rate and affordable housing and promote neighborhood revitalization through increased mixed use development

and walkability.

POLICY H2.4: Work with community partners and property owners to revisit a community visioning plan for the Four Corners neighborhood/community commercial area.

PROGRAM H3.4: Adjust Zoning to Allow Mixed Use in Current Commercial Zones

PROGRAM H4.10: Zoning Ordinance Amendments for Special Needs Housing

In order to support an increase in this housing type in the city, SROs will be permitted use in Residential Medium Density, Commercial Mixed Use and Residential High Density zones, with a priority for SRO development to occur along transit corridors.

To align zoning with planned development areas and associated policies of developing pedestrian friendly, walkable neighborhoods, the city proposes to implement State laws SB6 and AB 2011 to encourage residential and mixed-use developments in current commercial zones.

Evaluation of Sites to Accommodate Varied Income Levels

One of the most important evaluation considerations of the sites selection process is to evaluate a site's ability to accommodate households with varying income levels. To satisfy the RHNA requirement, the amount of lower, moderate, and above moderate income units is specified for each site in the inventory. Furthermore, the unit capacity must be maintained throughout the 2023-2031 planning period. Therefore, a buffer of at least 15 percent to 30 percent is generally recommended by HCD, and Newark's sites inventory buffer is well beyond this recommendation. If sites listed in the inventory are redeveloped with other uses or different income levels than what is identified, the difference can be made up with the buffer sites to ensure there is "No Net Loss" of Suitability of Non-Vacant Sites.

Suitability of Non-Vacant Sites for Development

The lack of vacant land in Newark and the relatively high value of new residential development means that the City consistently sees the redevelopment of underutilized sites, a fact which is reflected most notably in the adoption and ongoing implementation of the Newpark Place Specific Plan. Developer and property interest in non-vacant commercial sites for future residential development has been strong in recent years, and the inventory included here is, by many measures, relatively conservative in terms of the number of non-vacant commercial sites included relative to market pressures.

Non-vacant opportunity sites in the inventory were screened based on the criteria previously described. The consultant team worked closely with city staff to identify suitable properties and analyze existing uses and the conditions of buildings or lots on non-vacant sites. Property owner outreach was also conducted for the relevant sites, as well as analysis on constraints and market conditions. In each case, the analysis indicated that the opportunity sites included in this Housing Element Have a strong likelihood of developing as residential projects during the planning period.

Lower Income RHNA vis-a-vis Non Vacant Sites

State law requires additional analysis of existing uses in the sites inventory if more than 50 percent of the City's low-income RHNA is accommodated on non-vacant sites. HCD has published guidance for how to determine this, which includes adjustments for proposed lower income projects and ADU capacity, in addition to vacant sites in the inventory. A substantial amount of the City's lower-income units (more than 50 percent of the lower income RHNA) are within Pipeline Projects. In addition, the inventory includes affordable ADU units. In summary, less than 34 percent of Newark's lower income RHNA is accommodated on non-vacant sites, which is below the 50 percent threshold. Therefore, no additional analysis is needed to support the site inventory's non-vacant sites.

Table C-4: Lower Income RHNA vis-a-vis Non Vacant Sites, 2023

Site Location	Lower Income Units	Percent of Lower Income RHNA
Planned and Proposed Sites	340	46.4%
Vacant Sites (Sycamore St.)	50	6.8%
ADUs	96	13.1%
Total Lower Income RHNA	732	100%
Lower Income RHNA vis-a-vis Non Vacant Sites	**246**	**33.6%**

Site Profiles

The following site profiles provide specific information about each of the opportunity sites listed in Table C-1 and displayed vis-v-vis AFFH factors in the maps provided above. The sites include both planned and proposed projects as well as sites zoned for housing that will be available to be developed during the planning period. Each profile includes a description of the site's general plan land use designation, zoning, site size and maximum allowable density. Notes regarding realistic capacity are included as well as available links to relevant planning documents and plans. Sites 1 through 13 are in the development pipeline process (either under construction, fully entitled or active applications) and sites 14 through 28 are locations identified for housing either from previous Housing Elements or new analysis. Sites identified as zoned for housing include detailed analyses of development standards, government constraints and environmental constraints. Tables summarizing development standards and unit yield are provided for sites 15 through 19, 21, 22, 24, and 25.

1 Bridgeway / Gateway (Bayside Newark) - under construction

Zoning: Residential High Density, Residential Medium Density

Specific Plan Designation: Medium/High Density Residential

APNs: Consolidated sites with APNs to be listed in the HCD electronic inventory form.

Size: 41 acres

Max Allowable Density 60 units per acre.

Realistic capacity based on approved entitlements or developer proposal

On March 10, 2016, Newark City Council adopted Ordinance No. 492 which was a zoning amendment on property shown in Vesting Tentative Tract Map 8099 from MT-1 (High Technology Park District) to MDR-FBC (Medium Density Residential-Form Based Codes) and HDR-FBC (High Density Residential-Form Based Codes) as part of the Bayside Newark (formerly known as the Dunbarton TOD Specific Plan) to develop the land as Gateway Station West.



The project, proposed by Integral Communities, calls for the phased development of 589 market-rate residential units within approximately 41 acres of the 54.5-acre project site, at an approximately density of 14.36 DU/A. A total of 321 single family detached homes and 268 attached condos are planned, along with streets, 1,473 parking spaces, sidewalks, trails, landscaping, parks, water quality treatment basins and permanent open space. In addition, several off-site roadway, sidewalk and landscaping improvements may be constructed in conjunction with the project. The development site is located within the Dumbarton TOD Specific Plan Project area.

2 FMC Willow - North (Bayside Newark) - entitled

Zoning: Business and Technology Park

Specific Plan Designation: Transit Station, Commercial/Retail

APN: 92-100-5

Size: 7.2 acres

Max Allowable Density: Form-based code

Realistic capacity based on approved entitlements or developer proposal

On 9/22/22, The City of Newark approved land use modifications proposed by Lennar Home Builder, FMC Corporation, and Integral Communities within the FMC Willow and Grand Park portion of the Bayside Newark Specific Plan area. The proposed modifications would redevelop the 22.1-acre site into a 370-unit multi-family community including 279 townhouse units, a 1.6-acre mixed-use area with 3,600 sq. ft. of retail, club room, fitness center, and 90 affordable units (plus 1 manager unit) within a 6-story building, a 5-acre community park (Grand Park), and a 1,485 sq. ft. community building, along with approx. 1.8 acres set aside for a future transit station.



The north site, known as FMC Willow - North" would contain the 91-unit affordable housing, mixed-use building, 64 multifamily units and the future transit station parcel for a total of 155 units. The 64 market-rate units would be UA Stack (multifamily). The UA Stacks would have five floor plans ranging from 1,696 square feet to 2,015 square feet, and they would be three-stories high.



Link to approved Application (Resolution No. 11,407)

Link to FMC Willow Staff Report

3 FMC Willow - South (Bayside Newark) - entitled

Zoning: Business and Technology Park

Specific Plan Designation: High Density Residential, Commercial Office, Transit Station

APN: 537-852-1-8

Size: 12.6 acres

Max Allowable Density 60 units per acre.

Realistic capacity based on approved entitlements or developer proposal



On 9/22/22, The City of Newark approved land use modifications proposed by Lennar Home Builder, FMC Corporation, and Integral Communities within the FMC Willow and Grand Park portion of the Bayside Newark Specific Plan area. The proposed modifications would redevelop the 22.1-acre site into a 370-unit multi-family community including 279 townhouse units, a 1.6-acre mixed-use area with 3,600 sq. ft. of retail, club room, fitness center, and 90 affordable units (plus 1 manager unit) within a 6-story building, a 5-acre community park (Grand Park), and a 1,485 sq. ft. community building, along with approx. 1.8 acres set aside for a future transit station.

The South Site of the project, known as "FMC Willow South", (Grand Park, PA 3, and PA 4) would include a 1,485 square foot community building, 123 multifamily units, and 92 townhomes for a total of 215 units. The 123 units would be UA Split (multifamily), and 92 would be UA Towns (townhomes). The UA Stacks would have 5 floorplans ranging from 1,696 square feet to 2,015 square feet. The UA Splits would have a standard option with 4 floorplans ranging from 1,307 square feet to 2,108 square feet and a 4-story option with 4 floorplans ranging from 1,307 square feet to 2,422 square feet. The homes would be 3-5 stories high.



Link to project plans.

4 Harbor Pointe, FMC Parcel C (Bayside Newark) - under construction

Zoning: Business and Technology Park

Specific Plan Designation: High Density Residential, Commercial/Office

APN: 537-852-2-9, 537-852-1-3, 537-852-2-16

Size: 13.6 acres

Max Allowable Density 60 units per acre.

Realistic capacity based on approved entitlements or developer proposal

In line with the Bayside Newark Specific Plan (formerly known as the Dumbarton TOD), the City of Newark approved a title sheet and site plan submitted by Parcel C Project Owner, LLC. The date on the filing is from 12/17/2018.

The developable area of 13.6 acres was subdivided to accommodate 192 units over three planning areas. Planning Area 1 has a total 72 units at a density of 11.56 units to the acre, Planning Area 2 has a total of 75 units at 16.13 units per acre, and Planning 3 has a total of 45 units at 16.48 units per acre. The plan has multiple typologies which are both three and four bedroom single family units which will be sold at market rate. The project is being built in phases and multiple final maps may be filed.





Link to project plans.

5 Cedar Homes - 38478 Cedar Boulevard - entitled

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

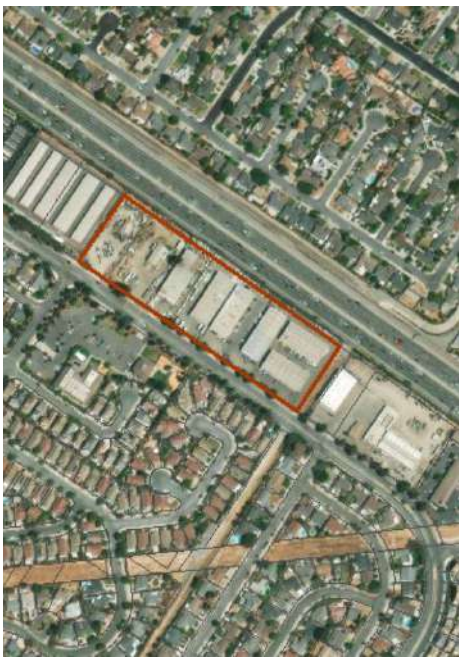
APN: 92A-2375-2-6

Size: 7.76 acres

Max Allowable Density 30 dwelling units per acre.

Realistic capacity based on approved entitlements or developer proposal

According to application materials, Robson Homes, LLC proposes to construct 118 residential units composed of single family residences and two-unit attached townhomes on a 7.76-acre site located at 38288-38594 Cedar Blvd. The site would be subdivided to create 124 lots including six common and 118 residential lots. The project would include landscaping and open space areas, a new private street, and on-site and off-site improvements. Below is a rendering of an example unit.





Link to project plans.

6 Cedar Community Apartments – complete

Zoning: Community Commercial

General Plan Designation: Community Commercial

APN: 901-195-37, 901-195-38

Size: 2.7 acres

Max Allowable Density 25-60 dwelling units per acre.

Realistic capacity based on approved entitlements or developer proposal

The Cedar Community Apartments project was selected for a Homekey grant valued at $38.2 million. This grant assisted with the acquisition and conversion of Town Place Suite into 125 apartment units that are affordable to extremely low-income households and households experiencing homelessness, including 11 units that are reserved for military veterans. The grant also assists with the provision of resident services including education and employment services. 1 unit is at market rate for management.



The owner of the Towne Place Suites (TPS) extended-stay hotel in Newark and Allied Housing/Abode Services entered into an option agreement for the sale of the property. The hotel suites were converted into 124 supportive, affordable residential units to be known as Cedar Community Apartments. 60 units are for households who have experienced homelessness, and the other 64 are set aside for people at risk of homelessness.



7 Timber St. Senior Living - entitled

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92A-2125-10-2

Size: 1.0 acre

Max Allowable Density 30 dwelling units per acre.

Realistic capacity based on approved entitlements or developer proposal

Timber Street Senior, developed by Eden Housing, will provide 79 units of new affordable housing for seniors in a convenient location in Newark, CA. The project will redevelop the 1-acre site and fulfill the city's vision of transforming the surrounding neighborhood from light industrial and warehouse space to a vibrant, walkable residential neighborhood.



The project has been granted $21.7 million in funding for its construction with the City of Newark and Alameda County (Measure A1 Affordable Housing Fund) both as financial partners. The project's funding is a part of Governor Newsom's recent commitment of more than $825 million to help expand the state's affordable housing stock and increase capacity for additional climate-smart infill housing.

The building will include a community room with a kitchen and attached courtyard with space for planter boxes and organized activities, a computer learning center, an exercise room, a bicycle storage room, and offices to house on-site services staff. All of the units are 1-bedrooms, so the community will support seniors living on their own as well as couples. A rendering of the project is shown below.



Link to project plans.

8 Lepaskshi Homes - 6781 Thornton Ave. Building A (Old Town Newark Area Plan) - active application

Zoning: CommercialMixed Use

General Plan Designation: Commercial Mixed Use

APN: 92-30-16-2, 92-30-15-2, 92-30-14-3, 92-30-18-4, 92-30-17-2

Size: 1.0 acres

Max Allowable Density 100 dwelling units per acre (Old Town Newark Area Plan)

Realistic capacity based on approved entitlements or developer proposal

The developer, Lepakshi Homes, has proposed a residential project at the gateway to the City's Old Town neighborhood. The project consists of two sites with a single building on each site. " Building A" with 60 market rate units, 12 one-bedroom, 37 two-bedroom, 6 three-bedroom, and 5 live-work units. The proposed plan is approximately 60 units per acre for Building A.Building A's building height is 57 feet with a clocktower at 72 feet.

As of October 2023, the application is under review. The city anticipates that the application will be complete in early 2024 with public hearings scheduled shortly thereafter. Entitlements include a Planned Development and Design Review.

Link to project plans.



9 Lepakshi Homes - 6781 Thornton Ave. Building B (Old Town Newark Specific Plan) - active application

Zoning: Commercial Mixed-Use

General Plan Designation: Commercial Mixed Use

APN: 92-31-15, 92-31-16-2

Size: 0.25 acres

Max Allowable Density 100 dwelling units per acre (Old Town Newark Specific Plan)

Realistic capacity based on approved entitlements or developer proposal

The developer, Lepakshi Homes, has proposed a residential project at the gateway to the City's Old Town neighborhood. The project consists of two sites with a single building on each site. " Building B" is across the street from Building A and would contain 15 affordable units and 13 market rate units. The proposed plan is at 94 units per acre, and the building height is 59 feet. Below is a rendering of the project, with Building B in the foreground. The smaller "Building B" parcels are part of the same application and approval process as Building A.



As of October 2023, the application is under review. The city anticipates that the application will be complete in early 2024 with public hearings scheduled shortly thereafter. Entitlements include Planned Development and Design Review.

Link to project plans.



10 SAHA - 6347 -6375 Thornton Ave. - active application

Zoning: Residential High Density

General Plan Designation: High Density Residential

APN: 92A-919-18, 92A-919-17-2, 92A-919-16-2

Size: 0.54 acres

Max Allowable Density 60 dwelling units per acre.

Realistic capacity based on developer proposal as submitted to city in NOFA process.

According to application materials, SAHA proposes a multi-family housing development of 57 deeply affordable homes targeted to individuals and families including 15 two-bedroom apartments and 16 three-bedroom apartments, on three underutilized parcels, 6347-6375 Thornton Avenue. The proposal calls for a single 60 foot. 5-story building on 0.54 acres at 105 DU/A (a waiver or concession is needed).

SAHA proposes to develop a five-story building using Type 5A wood-frame construction for the upper four floors over a Type 1A concrete ground floor and parking garage. The design includes numerous family-friendly common area amenities such as a computer lab, an acoustically-insulated music practice room, a bicycle repair station, building wide wireless internet service free to residents, an outdoor tot play area and wheelchair-accessible raised garden beds in a sunny spot where SAHA's Resident Services team will expand its successful gardening program.

To fund this transformation, SAHA requested and received $12M of seed capital from the City of Newark which will cover approximately 25% of the total development cost.
The developer will submit a formal design review, minor use permit, and a map application before the end of 2024. Entitlements are expected in late 2024.

Link to project plans.





11 Mulberry Residential - 36952 Mulberry Street - entitled

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92-29-22, 92-29-21

Size: 0.46 acres

Max Allowable Density 30 units per acre.

Realistic capacity based on approved entitlements or developer proposal

According to application materials, Rajesh Rao, proposes to demolish the existing single-story residence and detached garage, and construct eight for-sale market-rate condominiums with new landscaping, open space areas, a private driveway, and guest parking on the property located at 36952 Mulberry St. The property is zoned RM-OT (Residential Medium Density with the Old Town Overlay District). The proposed project would merge two existing lots to create a 0.46-acre lot with 4 three-bedroom units and 4 four-bedroom units at a density of 17.4 DU/A. Below is a proposed rendering of the project.





Link to project plans.

12 Bain Ave. & Magnolia St. - 37280 Magnolia Street - under construction

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92-61-11, 92-61-12-1, 92-61-12-2

Size: 0.93 acres

Max Allowable Density 30 units per acre.

Realistic capacity based on approved entitlements or developer proposal

According to application materials, Goldsilverisland Homes, LLC is proposing 10 market-rate single family homes at 37280 Magnolia Street. The applicant is also proposing a PD overlay district to allow for lower lot sizes of 3,500 square feet instead of 6,000 square feet. The density of the development is approximately 10.75 DU/A.

Link to project plans.



13 Waymark Homes - Cedar Blvd. - entitled

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

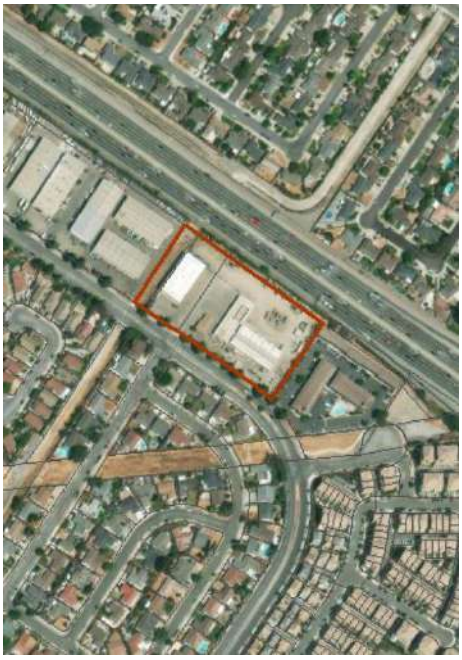
APN: 92A-2585-30-4, 92A-2585-12-1, 92A-2585-31

Size: 3.44 acres

Max Allowable Density 30 units per acre.

Realistic capacity based on approved entitlements or developer proposal

The applicant, Waymark Development, proposes to demolish the existing buildings currently occupied by commercial/industrial uses and construct 76 three-story attached townhomes within 14 buildings on a 3.44-acre site located at 38600 Cedar Blvd. The project calls for 34 three-bedroom units and 46 four-bedroom units with a total density of 22 DU/A. The project would include landscaping and open space areas, a new private street, and on-site improvements. The property is zoned RM (Residential Medium Density District). The project requires a Design Review, Minor Use Permit for a building height up to 40 feet, and a Vesting Tentative Subdivision Map. Below is a render of an example unit.





Link to project plans.

14 NewPark Place (Phases A to D)

Zoning: Regional Commercial

Specific Designation: Mixed-Use I

APN: 901-111-19, 901-111-30, 901-111-29, 901-111-24, 901-111-22, 901-111-20, 901-111-25, 901-111-21, 901-111-26, 901-111-31

Size: 52.03 acres

Max Allowable Density 160 units per acre.

Realistic capacity based on Specific Plan

As described above in Section 4 and in other sections of this Housing Element, the NewPark Place Specific Plan will guide the redevelopment of this entire area, comprising 52.03 acres with an expected residential build-out capacity of 1,519 across 5 major phases as follows (see Phase A in top aerial, Phases B-D in bottom aerial):





- **Phase A:** Type-III multifamily development. A total of 319 units on.3.98 acres at a density of 80 dwelling units per acre. The development includes six levels of parking.
- **Phase B1:** Type-III multifamily development. A total of 195 units on 3.47 acres at a density of 56 dwelling units per acre. The development includes a six level garage.
- **Phase B2:** Type-III multifamily development with a podium. A total of 310 units on 4.30 acres at a density of 72 dwelling units per acre. The development includes a 3 -evel structure parking facility.
- **Phase C:** Type-III multifamily development with a podium. A total of 300 units on 3.70 acres at a density of 81 dwelling units per acre. The development includes a 2 level garage and 1 sub-t.
- **Phase D2:** Type-III multifamily development. A total of 395 units on 5.67 acres at a density of 70 dwelling units per acre.

The development includes a five level garage.
The phases are regulated by the Mixed-Use Area I standards, which include a maximum building height of 200 feet, with buildings adjacent to the streets to be a minimum of 30 feet, but preferably 60 feet. Residential density may be up to 160 units per acre, but not less than 60 dwelling units per acre.

While the specific plan has a relatively high maximum density, it is largely unachievable for multiple reasons. First, the plan has a cap on the total number of units at 1,519. An adjustment of this number would require City Council action and a new EIR process. Second, taller developments than Type-III multifamily would require new emergency vehicle typologies, procedures, and training which the City of Newark currently does not have nor does the surrounding area. Therefore, it is not surprising that the actual densities of the proposed

developments are somewhat lower than the maximum would permit.
Residential uses may be within residential only multiple story buildings and/or in buildings with a mix of uses. First floor residential is allowed in non-active frontage locations, which are outlined in the plan. Parking demand for development within areas designed Mixed-Use I must be accommodated by a combination of surface and structured parking per the Parking Sub Plan. The residential uses within each "block" must be self-parked within the boundary of the individual block. For a more detailed account of all applicable development standards, refer to the Specific Area Plan.

The NewPark Place plan has a 20 year planning arc, therefore it is expected that only 40% of the total units will be complete for the 8 year RHNA 65 Housing Element Period. As feasible, the City will continue to work with the property owner to encourage the inclusion of larger percentages of affordable units in future phases of development.

The build out capacity and affordable housing assumptions for NewPark Place provided in this sites inventory reflects City Council Resolution NO. 10,184 which went into effect on June 9, 2014 and is the guiding document which outlines that for apartment development, the affordability breakdown starting point should be 6% VLI, 3% LI, and 3% MOD in order to fully mitigate the impact of the residential development. The document gives City Council the authority to determine that an alternative distribution of affordable units will fully mitigate the impacts of the development on the need for affordable housing, based on community needs and the characteristics of the development. In the case of NewPark Phase A, Council advocated strongly for onsite affordable units instead of a mitigation fee.

As described in full in the Specific Plan, this area has adequate infrastructure to accommodate the planned residential development and there are no known environmental constraints. In addition, each separate phase of this development would comprise a land area of less than 10 acres.





[Link to the project plans for Phase A.]

15 Grocery Outlet Center

Zoning: Commercial Mixed Use

General Plan Designation: Commercial Mixed Use

APN: 92A-900-1-2

Size: 4.62 acres (1.54 acres under the assumption that ⅓ of the site will redevelop)

Max Allowable Density 60 units per acre.



The Grocery Outlet Center site is an aging multi-tenant retail center with a large surface parking lot, which takes up approximately 40% of the site, located on the corner of Newark Boulevard and Mayhews Landing Road. The site was previously included in the 5th Cycle Housing Element. The shopping center is a collection of four different buildings, each with multiple tenants providing a range of retail and service options for the community, including a well established Grocery Store.

Realistic Capacity
Since the leases are current and tenants like Grocery Outlet are popular among residents, the approach here is that only a third of the site will feasibly redevelop throughout the eight-year planning period.

Newark code requires ground floor retail adjacent to Newark Boulevard, so a realistic capacity of 80% was applied to this site yielding a total of 57 units as detailed below. The density is at 45 dwelling units per acre giving it 100% affordable potential. The existing establishments, a liquor store, Southeast Asian restaurant, and flower shop would be able to continue to operate on the ground floor.

Analysis of Redevelopment Potential

- In Newark and the Tri-City Area, similar commercial centers have recently developed as mixed-use and/or 100 percent residential projects at similar densities. The redevelopment of the NewPark mall and surrounding area are an important comparable example of the residential redevelopment potential provided by this key site.
- The redevelopment potential of this site is also supported by the relatively low improvement to land value ratio of 0.49, which shows that the built improvements are valued lower than the underlying land. This indicates a strong propensity for the site to redevelop during the planning period.

Redevelopment Indicators

- Low improvement to land value ratio (0.49) meaning that the appraised value of the land is greater than the appraised value of the built improvements, indicating a propensity for redevelopment to another land use
- Large and underutilized surface parking lot (greater than 2 acres)
- Aging structures and lack of recent improvements (auto-oriented single story commercial from 1964-1986)
- Single ownership of parcel
- Adjacent redevelopment occuring (Mayhews Place)

- Similar redevelopment occuring in Newark (NewPark Place)

Rezoning
Since the site was included in the 5th Cycle Housing Element, per Program H3.6 described above, this site will be subject to a zoning text amendment that will require by-right approval of any new housing development in which at least 20 percent of the units are affordable to lower-income households.

Realistic Capacity Analysis
The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-5: Grocery Outlet Center Realistic Capacity Analysis

Site Description	
Size of Site	1.54 acres
Zoning	Commercial Mixed Use
Allowable Density	30 - 60 dwelling units per acre
RHNA Affordability	Lower Income
Existing Use	Non-Vacant, aging strip mall
Infrastructure Availability	Yes, no constraints
Environmental Constraints	None Known

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.75	Net development area based: on front and side setbacks: open space requirements; reduced parking requirements per program H3.5; and, ground floor commercial use comprising 15% of lot area.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for the conversion of existing commercial sites to 100% residential or mixed use projects. Program H3.4 will be implemented to facilitate the development of this and other potential residential sites in commercial zones. Program H3.5 will also be implemented to reduce required covered parking standards for residential projects. will be implemented to streamline the Note: the ABAG Hess tool reports build out of 1.35 for residential projects in mixed use zones in the tri city market area, and thus this assumption is very conservative.
Typical Densities	0.95	Affordable housing developments in Newark build out to almost maximum density.
Infrastructure availability	Yes	Water, sewer and power infrastructure in place and sufficient to support residential development.
Environmental constraints	No	No known environmental constraints on this site.
Realistic Capacity With Adjustment Factors	53	

16 Thornton Ave. Sites (within Old Town Neighborhood)

Zoning: Commercial Mixed Use

General Plan Designation: Commercial Mixed Use

APN: 92-51-2-3, 92-29-20-2, 92-29-19-2, 92-51-5-3, 92-29-18-2, 92-29-17-2, 92-29-13, 92-29-16-2, 92-29-15-2, 92-50-1-3, 92-29-14-2, 92-50-2-3, 92-50-3-3

Size: varies by parcel, total of 2.5 acres

Max Allowable Density 100 units per acre per Old Town Specific Plan



The Thornton Avenue area comprises a number of underutilized parcels which are primed for residential development during the planning period. Improvement to land value ratios for the sites range from 0.22 to 0.79 indicating a propensity to redevelop, and the Old Specific Plan (Specific Plan) also includes policies encouraging residential and mixed-use development. The size and shape of these contiguous sites lend themselves to parcel assembly and lot consolidation.

The major constraints facing these parcels are the need for assemblage (most parcels are less than half an acre) and ground floor retail requirements along Thornton Ave. Because of this, a realistic capacity multiplier of 80% was used to calculate unit totals.

While many of the buildings date from earlier than 1970, The Specific Plan found that there are no historic buildings or structures in the planning area. The plan notes that 25 buildings within the planning area have "historic merit", the City's Historic Preservation Program allows for modification and demolition of buildings with historic merit. Several existing City regulations would help ensure that development and redevelopment activities do not cause a substantial adverse change. Therefore, the protection of cultural resources is not a significant barrier to redevelopment of these sites.

Analysis of Redevelopment Potential

Many of the Thornton Avenue parcels were also previously identified as "potential opportunity sites" in the Specific Plan. According to the Specific Plan, these sites "include vacant and underutilized sites, which may be more likely locations for redevelopment." The plan projected that throughout the planning area, 400 net new units could be developed by 2040 which would be in the form of multi-family buildings with five or more units. [18]

In order to achieve this goal, the city has implemented land use regulations outlined in the Specific Plan which promote high density development, such as increased densities (up to 100 dwelling units per acre) and height limits (up to 75 feet)) and the ability for 100 percent residential projects. The market has already started to respond to these new regulations with the Lepakshi Homes projects (88

[18] Newark Old Town Specific Plan, pg. 21

units, 15 either low income or moderate, on 1.25 acres) and nearby SAHA (57 affordable units on 0.54 acres) as examples which are currently in the development pipeline. In addition, the city will promote the consolidation of small parcels through Program H2.11 which in turn will encourage larger scale multi-family development. The City is also planning significant pedestrian-oriented infrastructure improvements in the Old Town neighborhood which will increase the viability for welcomed high-density, mixed-use, compact development.
As noted in the Specific Plan, the opportunity sites originally selected and identified here were originally selected due to their redevelopment potential. It is important to note that since multiple factors influence redevelopment and some opportunity sites were not explicitly identified in the Housing Element, it is likely that new development will occur on sites which were not specifically identified in the sites inventory.

Redevelopment Indicators

- Low improvement to land value ratio (0.22 to 0.79) meaning that the appraised value of the land is greater than the appraised value of the built improvements
- Updated land use controls which allow significantly denser development (Old Town Area Plan)
- Aging buildings and obsolete development typologies (single story commercial with frontage parking dating from before 1970, most with little historic merit)
- Adjacent redevelopment occuring (Lepakshi Homes and SAHA)
- Candidate for lot consolidation incentives through Program H2.11

Rezoning

Since the sites were included in a previous Housing Element, per Program H3.6 described above they will be subject to a zoning text amendment that will require by-right approval of any new housing development in which at least 20 percent of the units are affordable to lower-income households.

Realistic Capacity Analysis

The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-6: Thornton Ave. Sites Realistic Capacity Analysis

Site Description	
Size of Site	2.5 acres
Zoning	Commercial Mixed Use (within Old Town)
Allowable Density	100 dua (within Old Town)
RHNA Affordability	Mixed
Existing Use	Commercial, Parking
Infrastructure Availability	Yes
Environmental Constraints	None

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.85	Net development area based on: front and side setbacks; open space requirements; parking requirements, and ground floor commercial uses.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for the conversion of existing commercial sites to 100% residential or mixed use projects. Program H3.4 will be implemented to facilitate the development of this and other potential residential sites in commercial zones. Program H3.5 will also be implemented to reduce required covered parking standards for residential projects. will be implemented to streamline the Note: the ABAG Hess tool reports build out of 1.35 for residential projects in mixed use zones in the tri city market area, and thus this assumption is very conservative.
Typical Densities	0.95	Affordable housing developments in Newark build out to almost maximum density.
Infrastructure availability	Yes	Water, sewer and power infrastructure in place and sufficient to support residential development.
Environmental constraints	No	No known environmental constraints on this site.
Realistic Capacity With Adjustment Factors	162	

17 Cedar Blvd. and Timber St. Industrial Sites

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92A-2125-13, 92A-2125-11-2, 92A-2125-17

Size: 4.96 acres

Max Allowable Density 22-30 units per acre.



These formerly industrial sites are underutilized properties with I/L ratios ranging from 0.38 to 0.58, indicating a propensity to redevelop. They are in an area of rapid change where market dynamics have tended to support residential development in recent years.

Rezoning
Since the sites were included in a previous Housing Element, per Program H3.6 described above they will be subject to a zoning text amendment that will require by-right approval of any new housing development in which at least 20 percent of the units are affordable to lower-income households.

Redevelopment Indicators

- Low improvement to land value ratio (0.38 to 0.58) meaning that the appraised value of the land is greater than the appraised value of the built improvements
- Aging buildings (single story light industrial/warehouses dating from 1964 to 1982)
- Significant adjacent medium residential development occurred in the previous HE Cycle
- Similar redevelopment occuring in Newark (Waymark Homes)

Realistic Capacity Analysis
The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-7:Cedar Blvd. and Timber St. Industrial Sites Realistic Capacity Analysis #1

Site Description	
Size of Site	1 acre
Zoning	Residential Medium
Allowable Density	22; up to 30 with CUP depending on street classification
RHNA Affordability	Above Moderate
Existing Use	Industrial
Infrastructure Availability	Yes
Environmental Constraints	None

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.9	Net development area based on front and side setbacks, open space and parking requirements.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for properties in Residential Medium Density zones.
Typical Densities	0.9	Based on build out densities for comparable projects in Residential Medium density zones.
Infrastructure availability	Yes	Dry and wet utlitity infrastruture avaklable for this site; no know constraints.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	14	

Table C-8: Cedar Blvd. and Timber St. Industrial Sites Realistic Capacity Analysis #2

Site Description	
Size of Site	1.67 acres
Zoning	Residential Medium
Allowable Density	22; up to 30 with CUP depending on street classification
RHNA Affordability	Above Moderate
Existing Use	Industrial
Infrastructure Availability	Yes
Environmental Constraints	None

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.9	Net development area based on front and side setbacks, open space and parking requirements.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for properties in Residential Medium Density zones.
Typical Densities	0.9	Based on build out densities for comparable projects in Residential Medium density zones.
Infrastructure availability	Yes	Dry and wet utlitity infrastruture avaklable for this site; no know constraints.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	24	

Table C-9: Cedar Blvd. and Timber St. Industrial Sites Realistic Capacity Analysis #3

Site Description	
Size of Site	2 acres
Zoning	Residential Medium
Allowable Density	22; up to 30 with CUP depending on street classification
RHNA Affordability	Above Moderate
Existing Use	Industrial
Infrastructure Availability	Yes
Environmental Constraints	None

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.9	Net development area based on front and side setbacks, open space and parking requirements.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for properties in Residential Medium Density zones.
Typical Densities	0.9	Based on build out densities for comparable projects in Residential Medium density zones.
Infrastructure availability	Yes	Dry and wet utlitity infrastruture avaklable for this site; no know constraints.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	23	

18 E-Z 8 Motel

Zoning: Residential High Density

General Plan Designation: High Density Residential

APN: 92A-2585-32

Size: 2.24 acres

Max Allowable Density 60 units per acre.

This is an underutilized hotel property with an I/L ratio of 0.97. In the surrounding market area, similar properties have been redeveloped with residential uses, and hotel conversions like the Cedar Community Apartments described above are increasingly common. The site is also adjacent to the entitled Waymark Homes project which proposes 80 townhomes.



Given the site's high density zoning designation which allows for densities between 25 and 60 dwelling units per acre and 100 foot height maximums, the City supports residential redevelopment here. After accounting for max lot coverage standards and setbacks, a realistic capacity modifier of 65% was applied to the site which would yield a total of 87 units. After the adjustment, the density of the site will be almost 39 dwelling units per acre, well above the default density of 30 dwelling units per acre for 100% affordable projects. The city strongly supports the development of a 100% affordable housing development at this site and could pursue a similar strategy as SAHA in Old Town, which was also in an RH zone. The city will continue to work with the property owner to advocate for residential use.

Rezoning

Since the site was included in a previous Housing Element, per Program H3.6 described above it will be subject to a zoning text amendment that will require by-right approval of any new housing development in which at least 20 percent of the units are affordable to lower-income households.

Redevelopment Indicators

- Low improvement to land value ratio (0.97) meaning that the value of the land is greater than the improvements
- Aging buildings and underutilized surface parking lot (two story motel dating from 1986)
- Significant adjacent medium/high density residential development occurred in the previous HE Cycle
- Similar redevelopment occuring in Newark (SAHA)

Realistic Capacity Analysis

The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-10: E-Z 8 Realistic Capacity Analysis

Site Description	
Size of Site	2.24 acres
Zoning	Residential High Density
Allowable Density	25 - 60 dwelling units per acre
RHNA Affordability	Lower Income
Existing Use	Motel
Infrastructure Availability	Yes, no constraints
Environmental Constraints	None Known

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.75	Net area adjustement accounts for setbacks, open space requirments, and structured parking.
Realistic Capacity of the Site	0.8	Based on comparable properties in the Tri-City Area and Newark and takes into account implementation of Prograsm H3.4 and H3.5.
Typical Densities	0.95	Affordbale housing in Newark builds out at near maximum densitities.
Infrastructure availability	Yes	Water, wastewater and dry utilities infrastrucuture available.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	77	

19 Cherry Plaza

Zoning: Commercial Mixed Use

General Plan Designation: Commercial Mixed Use

APN: 92-50-13

Size: 0.96 acres

Max Allowable Density 100 units per acre (within Old Town Specific Plan Area)

This underutilized property has an I/L ratio of 0.55 , indicating a propensity to redevelop. The site has an educational use, but recent images show vacancies with a "for lease" sign. The surrounding market area has experienced the residential redevelopment of other such sites in recent years.
The site is located within the Old Town Specific Plan Area which allows the site to have densities between 30 and 100 dwelling units per acre. The height maximum is 48 feet. Unlike other CMU locations outlined in the Element, this site is not required to have ground floor retail because it is not fronting either Newark Ave. or Thornton Boulevard. A realistic capacity modifier of 80% was still applied, even though this could be considered conservative.



Realistic Capacity Analysis

The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-11: Cherry Plaza Realistic Capacity Analysis

Site Description	
Size of Site	0.96 acres
Zoning	Commercial Mixed Use
Allowable Density	48, within 20 ft. of a RM district
RHNA Affordability	100% affordable
Existing Use	Office building
Infrastructure Availability	Yes
Environmental Constraints	None

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.85	Net development area based on: front and side setbacks; open space requirements; parking requirements, and ground floor commercial uses.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for the conversion of existing commercial sites to 100% residential or mixed use projects. Program H3.4 will be implemented to facilitate the development of this and other potential residential sites in commercial zones. Program H3.5 will also be implemented to reduce required covered parking standards for residential projects. will be implemented to streamline the Note: the ABAG Hess tool reports build out of 1.35 for residential projects in mixed use zones in the tri city market area, and thus this assumption is very conservative.
Typical Densities	0.95	Affordable housing developments in Newark build out to almost maximum density.
Infrastructure availability	Yes	Water, sewer and power infrastructure in place and sufficient to support residential development.
Environmental constraints	No	No known environmental constraints on this site.
Realistic Capacity With Adjustment Factors	30	

20 Thornton Ave. Sites (outside of Old Town)

Zoning: Residential High Density

General Plan Designation: High Density Residential

APN: 92A-919-22-2, 92A-919-21-2, 92A-919-20-2, 92A-919-19-2, 92A-919-15-2, 92A-919-14-2, 92A-919-13-2, 92A-919-12-2, 92A-919-11-2

Size: 1.2 acres

Max Allowable Density 60 units per acre.



As with the sites within the Old Town area, these underutilized sites also show strong potential for redevelopment with residential uses. I/L ratios range from 0.53 to 0.76. These units do not have a required mixed-use component. The size and shape of these contiguous sites lend themselves to parcel assembly and lot consolidation and includes two contiguous parcels that are under the same ownership.

Rezoning
Since the sites were included in a previous Housing Element, per Program H3.6 described above they will be subject to a zoning text amendment that will require by-right approval of any new housing development in which at least 20 percent of the units are affordable to lower-income households.

Redevelopment Indicators

- Low improvement to land value ratio (0.53 to 0.76) meaning that the value of the land is greater than the improvements
- Aging buildings and obsolete development style (single story homes, the majority converted to commercial purposes and were built before 1970)
- Significant adjacent medium residential development occurred in the previous HE Cycle and currently (SAHA)
- Two vacant lots under same ownership and candidate for lot consolidation incentives through Program H2.11

Realistic Capacity Analysis
The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

21 Sycamore St. Vacant Lot

Zoning: Residential High Density

General Plan Designation: High Density Residential

APN: 92-255-11

Size: 1.81 acres

Max Allowable Density: 60 units per acre.

This site consists of an underutilized vacant residential lot in an area with robust services and supportive infrastructure. Zoned for high-density residential uses with a minimum density of 25 dwelling units to the acre and a maximum density of 60 dwelling units to the acre, this site is suitable for accommodating lower-income units. Existing development standards would allow the development of this site at maximum densities, consistent with comparable affordable housing developments currently in Newark's development pipeline.



Rezoning
This site will also also be subject to Program H3.6 since it is being carried over from a previous 5th Cycle Housing Element.

Realistic Capacity Analysis
The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-12: Sycamore St. Vacant Lot Realistic Capacity Analysis

Site Description	
Size of Site	1.81 acres
Zoning	Residential High Density
Allowable Density	25 - 60 dwelling units per acre
RHNA Affordability	mixed income
Existing Use	vacant
Infrastructure Availability	yes
Environmental Constraints	none

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.9	Net development area based on front and side setbacks, open space and parking requirements.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for properties in Residential High Density zones.
Typical Densities	0.95	Affordable housing builds out at near maximum densities.
Infrastructure availability	Yes	Dry and wet utlitity infrastruture avaklable for this site; no know constraints.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	74	

22 Cedar Blvd. Public Storage Sites

Zoning: Residential Medium Density

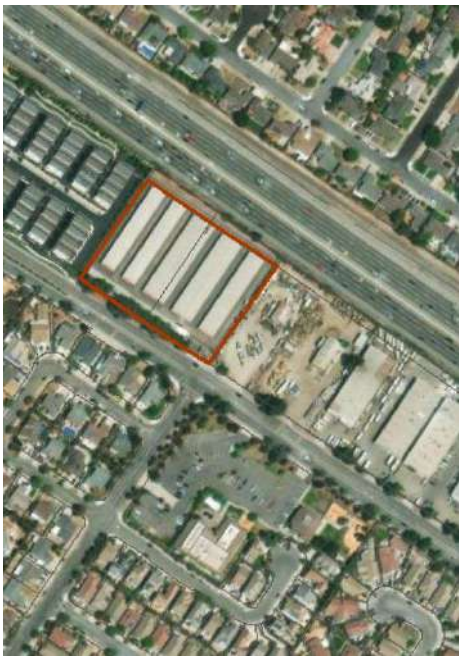
General Plan Designation: Medium Density Residential

APN: 92A-2375-32

Size: 2.9 acres

Max Allowable Density 22-30 units per acre.

This public storage site has an I/L ratio of 0.78, indicating a propensity to redevelop with another use, and residential uses are generally the highest and best use in the surrounding neighborhood market area.



Rezoning
Since the site was included in a previous Housing Element, per Program H3.6 described above it will also be subject to a zoning text amendment that will require by-right approval of any new housing development in which at least 20 percent of the units are affordable to lower-income households.

Redevelopment Indicators

- Low improvement to land value ratio (0.78) meaning that the value of the land is greater than the improvements
- Aging structure and single story use (building from 1985)
- Significant medium density residential development occurred adjacent in the previous HE Cycle
- Similar redevelopment occuring (Waymark Homes)

Realistic Capacity Analysis
The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-13: Cedar Blvd. Public Storage Realistic Capacity Analysis

Site Description	
Size of Site	2.9 acres
Zoning	Residential Medium
Allowable Density	22
RHNA Affordability	Above Moderate
Existing Use	Industrial
Infrastructure Availability	Yes
Environmental Constraints	No

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.9	Net development area based on front and side setbacks, open space and parking requirements.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for properties in Residential Medium Density zones.
Typical Densities	0.9	Based on build out densities for comparable projects in Residential Medium density zones.
Infrastructure availability	Yes	Dry and wet utlitity infrastruture evaklable for this site; no know constraints.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	41	

23 Filbert Villas - 37243 & 37257 Filbert St. - expired entitlement

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92-131-1-9, 92-131-2-4, 92-131-3

Size: 0.96 acres

Max Allowable Density 30 units per acre.

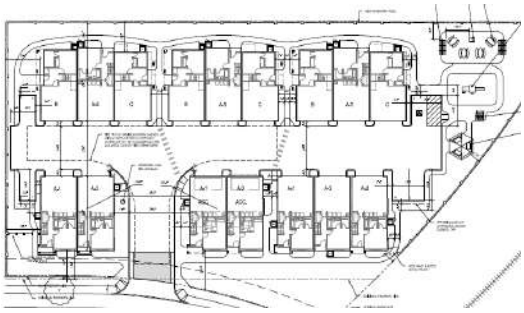
Realistic capacity based on approved entitlements or developer proposal

According to application materials dated 3/23/17, SRAJ Development Inc, proposed Filbert Villas, a 16 unit market rate residential condominium project. The project consists of 16 new three-story four-bedroom townhouses. The density of the project is approximately 16 DU/A and the units will be market-rate. While the entitlement on this project expired, the city expects to see a project with similar densities.

A recent interview with the property owner indicates continued interest in the project. Barriers include high interest rates, higher construction costs, and lower sale prices, but the property owner plans to take steps to move forward with the project.

Link to project plans.





24 Filbert Ave. Sites

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92-54-5, 92-54-6, 92-54-4

Size: 0.7 acres

Max Allowable Density 22-30 units per acre.

These sites would support relatively lower-density residential development and the sites inventory does not assume that affordable housing would be feasible on these sites.



Redevelopment Indicators

- Two parcels have low improvement to land value ratio (0.09 and 0.03) meaning that the value of the land is greater than the improvements
- Aging structures and single story use (two building predate 1970)
- Similar redevelopment potential across the street (Filbert St. Villas)
- Candidate for lot consolidation incentives through H2.11

Realistic Capacity Analysis

The following summary table provides a step by step analysis of the realistic capacity factors applied to this site, as well the reasoning for applying these adjustment factors to arrive at a realistic yield of net units.

Table C-14: Filbert Ave. Sites Realistic Capacity Analysis

Site Description	
Size of Site	0.52 acres with assemblage
Zoning	Residential Medium
Allowable Density	22
RHNA Affordability	Above Moderate
Existing Use	Industrial
Infrastructure Availability	Yes
Environmental Constraints	None

Capacity Factors	Adjustment Factor	Reasoning
Land Use Controls and Site Improvements	0.9	Net development area based on front and side setbacks, open space and parking requirements.
Realistic Capacity of the Site	0.8	Based on recent trends in the tri-city market area and in the City of Newark for properties in Residential Medium Density zones.
Typical Densities	0.9	Based on build out densities for comparable projects in Residential Medium density zones.
Infrastructure availability	Yes	Dry and wet utlitity infrastruture avaklable for this site; no know constraints.
Environmental constraints	No	No known environmental constraints.
Realistic Capacity With Adjustment Factors	7	

25 Mayhews Place - 36589 Newark Boulevard - expired entitlement

Zoning: Residential Medium Density

General Plan Designation: Commercial Mixed Use

APN: 92A-623-43

Size: 0.53 acres

Max Allowable Density 30 units per acre.

Realistic capacity based on approved entitlements or developer proposal

According to project plans, David Langon Construction, Inc. is proposing 6 attached two-story, market-rate, single-family units on a site area of approximately 0.53 acres. The density of the proposal is 12 DU/A. Below is a rendering of the exterior facade. While the entitlement on this project expired, the city expects to see a project with similar densities.





Link to project plans.

26 Locust St. & Railroad - 37093 Locust St. - expired entitlement

Zoning: Residential Low Density

General Plan Designation: Low-Medium Density Residential

APN: 92-125-10

Size: 0.43 acres

Max Allowable Density 8.7 units per acre.

Realistic capacity based on approved entitlements or developer proposal

According to application materials dated June 21, 2018, Cherry Properties is proposing 6 new market-rate apartments at 37093 Locust Street. The project title is The Railroad Apartments. While the entitlement on this project expired, the city expects to see a project with similar densities.

Link to project plans.



27 Fahmy Homes - 37503 & 37511 Cherry Street - expired entitlement

Zoning: Residential Medium Density

General Plan Designation: Medium Density Residential

APN: 92-75-5-2, 92-75-4-2

Size: 0.38 acres

Max Allowable Density 30 units per acre.

Realistic capacity based on approved entitlements or developer proposal

According to application materials dated November 9th, 2020, Sawart S. Fahmy had proposed a four-lot residential project on two adjacent parcels. The proposed subdivision called for 4 single-family market-rate units. While the entitlement on this project expired, the city expects to see a project with similar densities.

In 2023, a new owner gained site control and has indicated strong interest in combining these sites to create a larger site for development. The owner submitted a preliminary application for a seven-unit rowhouse project. The city has completed its preliminary review and is now awaiting a formal application from the property owner.

Link to project plans.



28 Neighborhood Infill Sites

Zoning: Residential Low Density

General Plan Designation: Low-Medium Residential, Medium Density Residential

APN: 92-135-23, 92-127-13, 92-136-15, 92-24-10, 92-127-20, 92-125-2-2

Size: 1.52 acres

Max Allowable Density 11-15 units per acre.

These are mixed neighborhood infill sites supporting lower density residential development. Five of the six sites are vacant while the non vacant site has subdivision potential. These sites would support relatively lower-density residential development and the sites inventory does not assume that affordable housing would be feasible on these sites.

These sites are expected to redevelop individually, and the sites will be listed separately by parcel number on the electronic submission form.



Redevelopment Indicators

- Either vacant or underutilized (subdivision potential)
- Two vacant lots are adjacent candidate for lot consolidation incentives through Program H2.11
- Strong demand for market rate residential in established neighborhoods (Over 750 single family detached units completed between 2018 and 2022[19])

[19] Source: HCD Housing Element Implementation and APR Dashboard

APPENDIX D PUBLIC COMMENT

The public comment period for the first Draft 2023-2031 Housing Element began on February 24th, 2023. As required by AB 215, the first Draft Housing Element was available for a 30-day public review period, before incorporating public comments and sending the revised first draft to HCD. Based on community feedback and to ensure that the Newark community had enough time to review and comment, the City kept the first public review draft of the Housing Element available for public comment through the 90-day State HCD review period (February 24th - March 27th, 2023). The City posted an updated draft for public review from August 7th - August 17th, 2023).

Thank you to all those who submitted public comments and attended public meetings. Based on community feedback and direction from Councilmembers, staff have prepared a response to comments to illustrate how the revised draft reflects public input received during the 142-day comment period. A total of 11 comments, comment letters, and emails were received during the comment period. No comments were received on the updated draft during or after the 10-day public review period in August 2023. Staff received an additional 5 comments during subsequent Housing Element public review periods.

1. Carla Rodrigez
2. Taran Singh
3. Pamela Roush
4. Andrea Heckman
5. Matt Francois on behalf of Integral Communities
6. Carol Drake
7. Namit Saksena
8. Sarah Klaustermeier, Brookfield Properties
9. Victor Flores, East Bay Resilience Manager, Greenbelt Alliance, David Lewis, Executive Director Save The Bay , Maxwell Davis and the 2500 members of East Bay for Everyone
10. Neelam Noorani
11. Aundi Mevoli, BayKeepers
12. David Song
13. Rishika Rawat
14. Alyssa Lopez

15. Pat Callaway

16. Krisie Knutson

Table D-1: Housing Element Draft Public Comments Received and City Response

Letter Number	Name/ Organization	Date	Comment	City Response
1.	Carina Rodriguez		After reviewing the Draft document, my biggest concerns are: 1) Newark's continuing to infringe on the marshes and wetlands around our city. This is a large environmental issue and I saw very little mention of this in the housing plans. However, the city continues to approve housing developments on these natural lands. This will especially be an issue as climate change continues to wreak havoc on us - I do not want the city to be put in a situation where we have to use tax dollars to help those who ignorantly purchased homes on these wetlands and marshes. Especially when the lands should have never been built on in the first place. 2) I do not want the city of Newark to become a haven for low income housing. While we should open our city to new residents - low income housing invites low income individuals who will not be contributing a significant amount in taxes. Some are indeed hard workers and have been beaten down by the systemic failures of our city, county, state, and country, but some have no interest in doing anything to help themselves and will just suck up the free resources paid for by taxpayers. Yes, we do need low income housing to assist some in our community. However, we should not accept a large percentage of this low income housing and rather have it spread out throughout the county of Alameda and the Bay Area. 3) Lastly, there are many apartments, townhouses,	1. The City of Newark is guided by the Area 3 and 4 Specific Plan, adopted by the City Council in 2009. This specific plan provides land uses, development regulations, engineering and site improvements, landscape guidelines, and natural resource conservation standards. In 2014, the City entered into a Development Agreement with Newark Partners LLC, which guides development within certain areas of Area 3 and 4 and establishes performance expectations and requirements for the developers and the City. Development within the specific plan area has been limited to Area 3 and the residential subdivision known as “Sanctuary Village”. In 2019, the City Council approved a residential subdivision via a Planned Unit Development permit consisting of 469 homes along with a determination that the environmental effects of the project were sufficiently analyzed and were under the scope of the previously adopted 2015 Recirculated Environmental Impact Report. Subsequent to Council’s 2019 actions, the environmental determination was challenged in court. As of 2023, no unresolved legal matters are associated with the project. In 2021, the project sponsor indicated to the city that the project would be reduced in size from 469 units to approximately 430 units. The project sponsor is working with the city

Letter Number	Name/ Organization	Date	Comment	City Response
			and duplexes that are completely run down and look absolutely awful. These can be found on Newark Blvd across the street from Newark Community park and Cherry towards Thornton. This housing looks abysmal and it's sickening that landlords are allowed to rent these apartments at top dollar while they are clearly falling apart and have made no investment in keeping them up to a basic, human level. Before we begin to build more housing, we need to look at this housing and bring them up to a livable standard for those currently living in the city. Let's fix our home city first before we begin building more housing that may eventually look as awful as this housing on Newark Blvd. and Cherry.	regarding site development activities. As Sanctuary West is a fully entitled project with legal matters resolved, the City has identified the project as contributing to the RHNA goal for above-moderate housing for the 6th Cycle. 2. Newark is subject to RHNA, the process that resulted in the assignment of 1,871 units of housing for the 6th Cycle Housing Element. Each Bay Area jurisdiction received their own RHNA allocation. Compared to other Bay Area cities, Newark's RHNA increase from the 5th Cycle (1,048 units) to the 6th Cycle was relatively small at approximately 75%. This is not a requirement to build 1,874 units, but Newark must demonstrate that the city has the correct land use policy, programs, and requirements to accommodate the units over the next eight years. Since 2015, Newark has built thousands of market-rate units, but relatively few affordable units. The City Council recognizes the need for housing that is affordable and available for all members of the community. 3. The City recognizes that some residential buildings in our community have been neglected by their property owners. Although some investment to refurbish units has occurred, more can be done. The Draft Housing Element includes goals, policies, and programs that address this need, starting with the Goal and Policy H-1: Preserve + Improve Existing Housing- “Leverage local funds to supplement county, state and federal funding

Letter Number	Name/ Organization	Date	Comment	City Response
				to support the maintenance, rehabilitation and preservation of existing rental and ownership housing. “
2.	Taran Singh		Area 3 and Area 4 plan of building 469 homes an environmental disaster. The City of Newark cannot solve the housing problem by 500 odd homes on our wetlands. I urge the city to revert the development plan for Area 3 and Area 4 and let them be a safe abode for our flora and fauna. Overall, I think the City needs to get denser in areas close to the 880 corridors and provide connectivity to BART/Transit.	See Response 1, above.
3.	PAMELA ROUSH		Please do not build in Newark Area 4. That is a flood zone and it will only get worse. Please, please reconsider building in Area 4. Thank you.	See Response 1, above.
4.	Andrea Heckman		I'm very concerned about development in the Area 4 shoreline because of it's importance to the ecosystem and protecting our existing development from future flooding. It seems imprudent to build on an area which is expected to need massive alteration and protection from future sea level rise. Makes no sense to develop housing where future disaster is predictable.	See Response 1, above.
5.	Matt Francois		We are submitting these comments on behalf of our client, Integral Communities, the proponent of the Mowry Village project. We write to request certain technical corrections and clarifications to the draft Housing Element. For instance, the reference to 398 built single family units in Area 3, Sub Area B (on page 104) should instead refer to 386 units. Additionally, the reference to the Mowry Village project (on page 105) refers to the site as being within Area 3 when it is located within Area 4; please also correct the	Thank you for your comments and corrections. The references to Area 3/4 and the unit count have been corrected in the October 3 draft. The language about retiring the Specific Plan has been adapted to reflect that the City “may take action to retire the plan in a manner consistent with applicable laws and conforming to previously adopted agreements and approved entitlements.”

Letter Number	Name/ Organization	Date	Comment	City Response
			location of the Mowry Village project in the last paragraph of this section. Finally, also in the last paragraph of this section, please clarify the intent about retiring the Area 3 & 4 Specific Plan after action on the Mowry Village project as it is anticipated that the Specific Plan would continue to be relied on to make consistency determinations for the Mowry Village and other projects.	
6.	Carol Drake		Newark Area 4 is not a good choice for development. Wetlands sequester carbon, store floodwater, and filter nutrients and sediment from water. Already included in the expansion boundaries of the Don Edwards SF Bay National Wildlife Refuge, Area 4 provides an unparalleled opportunity to restore wetlands and other wildlife habitat, while creating a buffer against sea level rise. Newark should focus on infill development instead. It could utilize existing neighborhoods and major development opportunities such as revitalizing NewPark Mall, which could provide 1,519 housing units, and smaller projects already planned in and around Old Town Newark. Building in these developed areas would help place housing near job centers, reducing vehicle miles traveled and road congestion.	See Response 1, above.
7.	Namit	March 21st 2023	I was very happy to see that you mentioned working with Newark Unified School District in the draft Housing Element, Policy H2.4. Other cities in the Bay Area have helped their school districts address the missing housing for teaching staff and I think Newark should also partner with NUSD to do something	Hello Namit, Thank you for your comments. We have updated policy H2.4, with more information from state law to support the redevelopment of land owned by Newark Unified School District. We agree, and the data shows how large of a burnden

Letter Number	Name/ Organization	Date	Comment	City Response
			similar. I loved the creative idea you had shared during our chat at the after party of Mayor Hannon's swearing in ceremony late last year. Comment 2: After housing, the next big expense for low income residents tends to be transportation. While our Pedestrian & Bicycle Master Plan was approved in Feb 2017, we haven't made massive strides in making the overall vision in that plan come true. Bike lanes will not only improve accessibility to local employers: restaurants, gas stations, retail stores, Home Depot, Amazon etc. but also upcoming city centers such as NewPark Place and might even spark Old Town into life. The other thing is, bike lanes will benefit residents of all income levels. I saw that the number 1 response to Q.9 of the Public Engagement and Input Survey with 33% respondents was public infrastructure including bicycle lanes. Therefore it would be great if the Housing Element had a specific call out to pedestrian and bicycle infrastructure vs. the single specific mention on Pg. 128. I think exploring ways to align the relevant parts of the Housing Element more closely with the Bicycle Element will help us capture this once in a decade opportunity to shape the future of housing in Newark by the handle bars!	transportation can be financially for residents. We also heard the desire for more pedestrian friendly streets and bike lanes in the city for more transportation options. The Public Works department has plans to start implementing portions of the bicycle master plan, and we are happy to see that the majority of sites are along bus routes as well. The community development department looks forward to working with the public works department to coordinate these two critical efforts.
8.	Sarah Klaustermeier	March 24th 2023	I reviewed the draft Housing Element and had one comment specific to Phase A. The breakdown of income levels in Table C-1 is different than what is	Thank you for your comments. The 6th Cycle unit yield and affordability distribution has

Letter Number	Name/ Organization	Date	Comment	City Response
			approved in our Affordable Housing Agreement. [see screenshots below]	been updated in the appropriate tables to reflect the City Council's Resolution 10,184.
9.	Victor Flores, East Bay Resilience Manager, Greenbelt Alliance David Lewis, Executive Director Save The Bay Maxwell Davis and the 2500 members of East Bay for Everyone	March 27th 2023	The undersigned organizations and individuals are excited to participate in Newark's Housing Element process. We write to offer feedback on Newark's Draft Housing element for the sixth cycle. This update is an opportunity for Newark to make sure that high resource and racially segregated neighborhoods take on their fair share of the City's housing needs, particularly for lower income residents who are disproportionately people of color. As your housing element notes, the majority of Newark residents are in housing that is either unaffordable or does not meet their needs. In particular, the Latine community experiences high levels of overcrowding and above average spending on housing. The City must ensure that all, regardless of race or income, can enjoy safe, stable, and accessible homes located either near jobs or transit (bus as well as BART) and on sites that are clean and suitable for development. We are glad to see many great policies and sites that promote infill and active transportation. We also appreciate Newark going above the buffer recommendations for realistic zoning capacity. Among the sites we're excited about is the Newpark project which will build medium density units on parking lots. This project is a perfect example of infill with access to AC Transit lines to BART. We also want to commend the city for Policy H6.7:	Hello Victor, David, and Maxwell, We appreciate your thoughtful comments on the Housing Element draft. In response to community discussion through engagement we have worked to make significant edits to many programs to better support the uptake of housing that is affordable to all segments of the population, and in proximity to public transportation and active transportation infrastructure investments. In response to climate and sea level rise, the Newark Safety Element is in process and will further address many of those questions and comments. Program H3.5 Parking standards has been strengthened, removing and reducing parking requirements for multiple housing types. We welcome your continued advocacy in this area. Numerous programs to increase housing access, opportunity and affordability have been added or strengthened. Program H2.1, SB9, H2.2, for ADU production, and H2.3 is looking at how a community guided plan for the 4 corners area can generate more housing close to parks, schools and a potential rail station. Program H2.6 looks to utilize state law to develop affordable housing for staff and employees, and H2.8 for Missing Middle Housing has been updated, and a new program,

Letter Number	Name/ Organization	Date	Comment	City Response
			Residential Development in the FloodPlain. We continue our opposition to the Sanctuary West project. We are glad that the city recognizes that such developments are not in the interest of Newark residents nor the prudent fiduciary responsibility of the council and staff. In an era where our communities are facing the consequences of climate change and sea level rise, each community should be actively assessing how it will ensure future developments and infrastructure will be resilient to flood risk without adversely impacting existing residents and the environment. Building in Area 4 baylands would both greatly increase flood risk across the city, and also squander the opportunity to utilize these lands as a valuable flood buffer to protect the community from flooding and sea level rise, while also providing improved natural wildlife habitat and increased outdoor access opportunities for residents. Additionally, since there is broad community opposition from both environmental and pro-housing organizations in the area, building here has a high chance of community pushback which could delay the project to outside the planning period. We strongly recommend updating your Climate Action Plan which is now 13 years old in order to implement mitigation measures for water level rise (both sea level rise and groundwater rise) and to reduce greenhouse gas (GHG) emissions. We also recommend adding a policy to restore wetlands in order to maximize carbon sequestration and protection from sea level rise.	H2.10 will increase the zoning districts where single resident occupancy housing is permitted in Newark.

Letter Number	Name/ Organization	Date	Comment	City Response
			Program H3.5: Parking standards study can be strengthened to commit to reducing parking minimums. A study from UC Berkeley's Terner Center found, "the presence of structured parking added nearly $36,000 per unit." The Draft Housing Element notes that Newark has higher parking minimums than neighboring jurisdictions. Parking, especially covered parking, significantly increases the cost of housing developments and uses space for cars rather than for people. In order to combat climate change we know that we must reduce our reliance on cars and fossil fuels. By prioritizing land for people rather than cars we can address the housing crisis and GHG reduction goals. Due to this higher level of parking and its cost, we strongly urge you to commit to reducing the amount of required parking to no more than 0.5 spaces per residential unit, and zero in transit-adjacent areas. Program H2.1: Encourage new middle-density housing with SB 9 and SB 10. While this is a laudable direction for the city to go to encourage housing abundance throughout the city, it could be strengthened with a few more objective outcomes for the program. (1) The SB 9 ordinance should not reduce the buildable envelope below what an underlying single-family zone allows. (2) Missing middle zoning should allow at least 4 units on at least 80% of single-family lots—not merely legal as density, but practical in terms of development standards. See the Portland Residential Infill Program for a possible direction where buildable envelope is increased the	

Letter Number	Name/ Organization	Date	Comment	City Response
			more units are planned on the lot. (3) No areas should be exempted from missing middle except based on floodplain, fire risk, or other major public health / ecological risks. (4) Required parking should continue to be no more than 0.5 spaces /unit, or zero near any bus line, as the major space requirements of off-street parking reliably kills missing middle. As we've mentioned, we oppose site number 2: Sanctuary West because of its location on baylands that are expected to see a nearly two feet rise of water levels in less than 50 years. We continue to urge you to remove this from your site list. To support our vision for Newark, Greenbelt Alliance and other partnering organizations have crafted a go-to guide for accelerating equitable adaptation to the climate crisis; The Resilience Playbook. The Playbook brings together curated strategies, recommendations, and tools to support local decision makers and community leaders wherever they are in their journey. We look forward to continuing to engage with Newark and the community on how this vital work can move forward in the new year.	
10.	Neelam Noorani	March 26th 2023	Steven Turner, Dear Mayor Hannon, Vice Mayor Collazo and Newark City Councilmembers, Thank you for putting together a robust Housing Element draft. This is a once in a decade moment for Newark to make pivotal progress on climate change and fair housing by developing a	See Response 1, above.

Letter Number	Name/ Organization	Date	Comment	City Response
			comprehensive housing strategy that builds housing in existing neighborhoods,while ensuring the long-term climate resilience of the city by protecting protecting valuable open space along the shoreline as wildlife habitat while providing community resilience as a flood buffer from sea level rise. I am writing to you today to implore you to remove Newark Area 4 (“Sanctuary West”) from your housing site inventory. This is not a good place to build housing and should not be how Newark meets a significant portion of its housing requirement. Newark Area 4 is almost entirely within a flood zone, and the site is anticipated to be almost completely inundated with just 1 meter of sea level rise. Additionally, new studies show that development of Area 4 could cause flooding for other shoreline communities in the Bay Area. Developing this site will increase flood risk to current and future residents and cause catastrophic financial issues to the city in the future. As evidenced by recent rains, Newark is already experiencing flooding and if Area 4 is developed, flooding will only increase. Newark has the capacity within the existing urban areas to meet its RHNA goals without putting future and current residents at risk. Further, the wetlands and wetland restoration potential of Newark Area 4 should be embraced for the numerous important benefits they provide. Wetlands not only protect the city from	

Letter Number	Name/ Organization	Date	Comment	City Response
			flooding and provide wildlife habitat, they also clean our Bay waters, and have been demonstrated to be one of the most powerful tools in nature for fighting climate change, by sequestering carbon even more efficiently than our forests. We desperately need to protect and restore all the San Francisco Bay wetlands we can, and Newark has an incredible opportunity to support this regional goal. We strongly urge Newark to become a climate-forward city by focusing on infill growth in existing neighborhoods - rather than putting housing in an undeveloped shoreline flood zone that should be permanently protected as a wildlife habitat and as a valuable buffer to protect the community from flooding and sea level rise.	
11.	Aundi Mevoli, BayKeepers	March 27th 2023	I write on behalf of San Francisco Baykeeper ("Baykeeper") in opposition to the City of Newark's inclusion of the Sanctuary West Project (also commonly known as "Area 4") in its Draft Housing Element. Baykeeper submits these comments on behalf of approximately 5,000 members and supporters who live and recreate in and around the San Francisco Bay Area. Together, our mission is to defend San Francisco Bay from the biggest threats and hold polluters and government agencies accountable to create healthy communities and help wildlife thrive. Our team of scientists and lawyers investigate pollution via aerial and water	See Response 1, above.

Letter Number	Name/ Organization	Date	Comment	City Response
			patrols, strengthen regulations through science and policy advocacy, and enforce environmental laws on behalf of the public. It is discouraging to see the city continuing to recommend and approve housing at Area 4. Instead of allowing this area to be used as a natural barrier to mitigate sea level rise (SLR) and groundwater inundation as climate impacts increase, moving forward with development will expose more than a thousand new residents to SLR and put hundreds of millions of dollars of property at risk. With only about ten percent of the original wetlands remaining around San Francisco Bay, keeping these natural bufferlands is essential to having a resilient community and allowing shorelines to adapt in the midst of climate change. In addition, importing fill and paving over Area 4 would destroy restorable diked Baylands and harm wildlife habitats for over a dozen special-status species. This includes the endangered Salt Marsh Harvest Mouse, endemic to only San Francisco Bay's marshes which are increasingly threatened with the prospect of development. Furthermore, fragmenting and degrading the existing wetlands in Area 4 will also threaten pup rookeries for harbor seals. The scientific community has recommended Area 4 as a high priority for protection and restoration of	

Letter Number	Name/ Organization	Date	Comment	City Response
			wetlands and upland habitat in order to support San Francisco Bay wildlife species and help them adjust to rising sea levels. Congress has already authorized lands such as Area 4 to be added to the Don Edwards SF Bay National Wildlife Refuge. We urge you to follow the guidance of the region's scientific community and prioritize protecting and restoring this land rather than development in Area 4 as planned in your current Draft Housing Element. During the January 2023 King Tides, drone footage revealed just how much surface water already occupies the site. These images give a glimpse of what this site will look like under one foot of SLR. Seeing as this site is projected to have two feet of SLR by 2050, it is obvious why this is not a good site to build housing or degrade more wetland habitat. Lastly, sustainable development comes at the intersection of economic, social and environmental capitols. Area 4 development only looks at the economic benefit to build. However, if natural capitol was also part of the equation, one would see how many benefits this land offers: greenhouse gas sequestration, nature based multi-benefit adaptation solutions to SLR, open space for community members to enjoy, and biodiversity to ensure a healthy Bay. Staff, we implore you to remove the Sanctuary West Project from suitable housing in the 6th cycle of	

Letter Number	Name/ Organization	Date	Comment	City Response
			Newark's Housing Element. Follow the advice of the experts and protect these wetlands to, in turn, protect your community against climate change impacts. Thank you for the opportunity to comment on this Draft Housing Element. Please reach out to Aundi Mevoli at aundi@baykeeper.org with any questions.	
12.	David Song	October 13, 2023	I received a letter from city of Newark, regarding a piece of land that I own. 37079 Ash street, APN: 92-127-31. The letter stated that my property has been identified as a site that could be developed with residential units, and well suited for development. I have previously tried to discuss the development of this site with the planning department multipe times, with no success. With this new initiative from the city, what kind of incentive does the city provide to owners to develop this site? Higher density? Lower permit fees? Faster approval? Less red tape? After reading through the Housing Element report, I still could not figure out how does that report relate to my property and its potential for development. It would be nice for the city planner to sit down with me and explain what kind of incentives the city provides to the development of my site.	The city appreciates the commenter's interest in developing the site identified in the comment. City staff will contact the commenter to initiate the discussion. The development of the parcel could benefit through the implementation of the following programs: -PROGRAM H2.8: Zoning for Missing Middle Housing Types. -PROGRAM H2.11: Catalyze the development of small sites through a lot consolidation incentive program -PROGRAM H2.12: Ensure maximum residential densities are achievable -PROGRAM H3.1: Streamline Ministerial Approval Permit Procedures -PROGRAM H3.2: Develop objective design standards for single family and multi family developments and infill housing.

Letter Number	Name/ Organization	Date	Comment	City Response
			I am more than happy to work with the city to develop this site and provide more housing opportunities to medium and low income families. Best David	
13.	Rishika Rawat	October 25, 2023	I was wondering where I could find a pdf of the Newark Safety Element.	Staff followed up with a PDF of the Newark Safety Element
14.	Alyssa Lopez	October 25, 2023	Hi, I was wondering if there is any action being taken to invest in some programs such as a first-time buyers programs for Newark Residents, or a low-income based programs. If so, I'd like to get more information or be interested in investing some input Thank you!	The 2023-2031 Housing Element, Section 3 (Affirmatively Furthering Fair Housing (AFFH)), contains a detailed analysis of the factors contributing to housing equity, segregation, access to housing opportunities, and the need for housing throughout the Newark community. Table 3-16 provides a summary of contributing factors and actions regarding housing issues in Newark. For example, the AFFH study identified the lack of available rental housing for lower-income households as a contributing factor for households experiencing or are at-risk of homelessness. The Housing Element contains programs that, when implemented, would begin to address the identified factors, including: -PROGRAM H4.1: Develop Anti-Displacement Programs for the Old-Town Newark Specific Plan Area. -PROGRAM H4.3: Develop a Just Cause

Letter Number	Name/ Organization	Date	Comment	City Response
				Eviction Ordinance -PROGRAM H4.8: Connect Residents with Foreclosure assistance. -PROGRAM H5.1: First-Time Homebuyer Assistance -PROGRAM H5.2: Affordable Housing Development Programs -PROGRAM H5.3: Public Lands for dedicated affordable housing. -PROGRAM H5.4: Affordable Housing Overlay Zone
15.	Pat Callaway		There has been opposition to Area 4 development and I am confused by your responses. Has Area 4 been scrapped or not?	The Sanctuary West Project was approved by the Newark City Council in November 2019. A Development Agreement that sets the terms, conditions, and requirements for the developer and the city was previously approved in 2015. The Development Agreement is still in place, and the developer intends to proceed with residential development at some point in the future. Sanctuary West is not identified as a site needed to achieve the city's Regional Housing Needs Allocation (RHNA) goal of 1,874 units within the 2023-2031 period. However, per the Development Agreement, the developer may still proceed with the project. Newark contains many sites that are zoned for residential uses and could be developed as housing but have not been identified in the 2023-2031 Housing Element's sites inventory. Should Sanctuary West or any other site zoned for residential use be developed with housing units, the city would count these units as progress toward meeting our RHNA goal.

Letter Number	Name/ Organization	Date	Comment	City Response
16.	Krisie Knutson		Those house are ugly , can't you make some pretty houses	Noted.

COMMENT LETTERS

Comment 1	Carina Rodriguez	After reviewing the Draft document, my biggest concerns are: 1) Newark's continuing to infringe on the marshes and wetlands around our city. This is a large environmental issue and I saw very little mention of this in the housing plans. However, the city continues to approve housing developments on these natural lands. This will especially be an issue as climate change continues to wreak havoc on us - I do not want the city to be put in a situation where we have to use tax dollars to help those who ignorantly purchased homes on these wetlands and marshes. Especially when the lands should have never been built on in the first place. 2) I do not want the city of Newark to become a haven for low income housing. While we should open our city to new residents - low income housing invites low income individuals who will not be contributing a significant amount in taxes. Some are indeed hard workers and have been beaten down by the systemic failures of our city, county, state, and country, but some have no interest in doing anything to help themselves and will just suck up the free resources paid for by taxpayers. Yes, we do need low income housing to assist some in our community. However, we should not accept a large percentage of this low income housing and rather have it spread out throughout the county of Alameda and the Bay Area. 3) Lastly, there are many apartments, townhouses, and duplexes that are completely run down and look absolutely awful. These can be found on Newark Blvd across the street from Newark Community park and Cherry towards Thornton. This housing looks abysmal and it's sickening that landlords are allowed to rent these apartments at top dollar while they are clearly falling apart and have made no investment in keeping them up to a basic, human level. Before we begin to build more housing, we need to look at this housing and bring them up to a livable standard for those currently living in the city. Let's fix our home city first before we begin building more housing that may eventually look as awful as this housing on Newark Blvd. and Cherry.
2	Taran Singh	Area 3 and Area 4 plan of building 469 homes an environmental disaster. The City of Newark cannot solve the housing problem by 500 odd homes on our wetlands. I urge the city to revert the development plan for Area 3 and Area 4 and let them be a safe abode for our flora and fauna. Overall, I think the City needs to get denser in areas close to the 880 corridors and provide connectivity to BART/Transit.
3	PAMELA ROUSH	Please do not build in Newark Area 4. That is a flood zone and it will only get worse. Please, please reconsider building in Area 4. Thank you.
4	Andrea Heckman	I'm very concerned about development in the Area 4 shoreline because of it's importance to the ecosystem and protecting our existing development from future flooding. It seems imprudent to build on an area which is expected to need massive alteration and protection from future sea level rise. Makes no sense to develop housing where future disaster is predictable.

5	Matt Francois	We are submitting these comments on behalf of our client, Integral Communities, the proponent of the Mowry Village project. We write to request certain technical corrections and clarifications to the draft Housing Element. For instance, the reference to 398 built single family units in Area 3, Sub Area B (on page 104) should instead refer to 386 units. Additionally, the reference to the Mowry Village project (on page 105) refers to the site as being within Area 3 when it is located within Area 4; please also correct the location of the Mowry Village project in the last paragraph of this section. Finally, also in the last paragraph of this section, please clarify the intent about retiring the Area 3 & 4 Specific Plan after action on the Mowry Village project as it is anticipated that the Specific Plan would continue to be relied on to make consistency determinations for the Mowry Village and other projects.
6	Carol Drake	Newark Area 4 is not a good choice for development. Wetlands sequester carbon, store floodwater, and filter nutrients and sediment from water. Already included in the expansion boundaries of the Don Edwards SF Bay National Wildlife Refuge, Area 4 provides an unparalleled opportunity to restore wetlands and other wildlife habitat, while creating a buffer against sea level rise. Newark should focus on infill development instead. It could utilize existing neighborhoods and major development opportunities such as revitalizing NewPark Mall, which could provide 1,519 housing units, and smaller projects already planned in and around Old Town Newark. Building in these developed areas would help place housing near job centers, reducing vehicle miles traveled and road congestion.

Comment 7:

From: Nabe Newark <nabenewark@...>
Sent: Tuesday, March 21, 2023 5:23 PM
To: Steven Turner
Cc: Art Interiano; Carmelisa Lopez; Joseph Balatbat; David Benoun; Lenka Hovorka
Subject: Re: City of Newark Virtual Community Meeting - Draft Housing Element March 22 at 7:00 PM

Hi Mr. Turner, thank you for including me in the distribution.

I am unsure if I will be able to join the meeting tomorrow, therefore please find 2 comments from me a fter reading this fantastic work by the city staff:

I was very happy to see that you mentioned working with Newark Unified School District in the draft H ousing Element, Policy H2.4
I want to share some recent news articles which should help support this idea within Newark.

Affordable teacher housing development in Los Gatos 'move-in ready' (mercurynews.com)

Report: Silicon Valley housing crisis linked to declining school enrollment (sanjosespotlight.com)

News – Support Teacher Housing

Affordable teacher housing to be built in Palo Alto – The Talon (lahstalon.org)

Other cities in the Bay Area have helped their school districts address the missing housing for teaching st aff and I think Newark should also partner with NUSD to do something similar. I loved the creative idea y ou had shared during our chat at the after party of Mayor Hannon's swearing in ceremony late last year.

After housing, the next big expense for low income residents tends to be transportation.
While our Pedestrian & Bicycle Master Plan was approved in Feb 2017, we haven't made massive strid es in making the overall vision in that plan come true.
Bike lanes will not only improve accessibility to local employers: restaurants, gas stations, retail stores, Home Depot, Amazon etc. but also upcoming city centers such as NewPark Place and might even spar k Old Town into life. The other thing is, bike lanes will benefit residents of all income levels.

I saw that the number 1 response to Q.9 of the Public Engagement and Input Survey with 33% respon dents was public infrastructure including bicycle lanes.
Therefore it would be great if the Housing Element had a specific call out to pedestrian and bicycle infra structure vs. the single specific mention on Pg. 128.

I think exploring ways to align the relevant parts of the Housing Element more closely with the Bicycle E lement will help us capture this once in a decade opportunity to shape the future of housing in Newark by the handle bars!

Regards,
Namit

P.S. From the Needs Analysis of the Bicycle Master Plan, Pg.29:
"Newark has a great deal of potential for growing its bicycle network and safely and comfortably attra cting new bicycle trips with its temperate climate, flat terrain, growing on-street facilities, system of lo w volume streets ideal for casual cyclists, and access to trails and recreation areas.
However, bicycling today can be difficult in Newark despite the growing interest and number of bicyclists . Heavy traffic, high traffic stress bikeways, and a lack of continuous bicycle facilities on Newark's major arterials, particularly on north & south routes, remain significant challenges for attracting new riders."

On Thu, Mar 16, 2023 at 4:49 PM Steven Turner <Stevent@newark.org> wrote:

Dear City Council, Planning Commission, and Community Development Advisory Committee-

Community Development staff and our consultants are hosting a virtual community meeting about the 2023-2031 Draft Housing Element on Wednesday, March 22, 2023, from 7:00-8:30 PM. You are certainl y welcome to attend and participate.

We ask participants to register for the meeting with this link: Meeting registration. After registering, y ou will receive a confirmation email about joining the meeting.

Comment 8:

From: Klaustermeier, Sarah <Sarah.Klaustermeier@brookfieldpropertiesdevelopment.com> **Sent:** Friday, March 24, 2023 7:46 PM
To: Steven Turner
Cc: Klaustermeier, Sarah
Subject: RE: Newark's Draft Housing Element - NewPark Place Specific Plan Residential Units

Steven,

I reviewed the draft Housing Element and had one comment specific to Phase A. The breakdown of income levels in Table C-1 is different than what is approved in our Affordable Housing Agreement. Please see screenshots below:

Table C-1: City of Newark Detailed Sites Inventory

Site #	Name	Income Level				Total Units
		Very Low	Low	Moderate	Above Moderate	
Planned and Proposed Projects						
1	Bridgeway / Gateway	0	0	0	589	**589**
2	Sanctuary West	0	0	0	469	**469**
3	NewPark Mall - Phase A	15	14	0	290	**319**

Affordable Housing Agreement:

2.1 Occupancy Requirements.

For the Term of the Agreement, no fewer than twenty-nine (29) of the dwelling u the Project shall be occupied (or if vacant, available for occupancy) by Moderate Low-Income and Very Low-Income Households. The size and mix of the Restri Units shall be as follows:

	Studio	1-Bedroom	2-Bedroom	**Total**
Very-Low Income Household	1	2	1	**4**
Low-Income Household	2	5	2	**9**
Moderate-Income Household	4	8	4	**16**
Total	**7**	**15**	**7**	**29**

Sarah Klaustermeier
Sr. Director, Development| Commercial Development

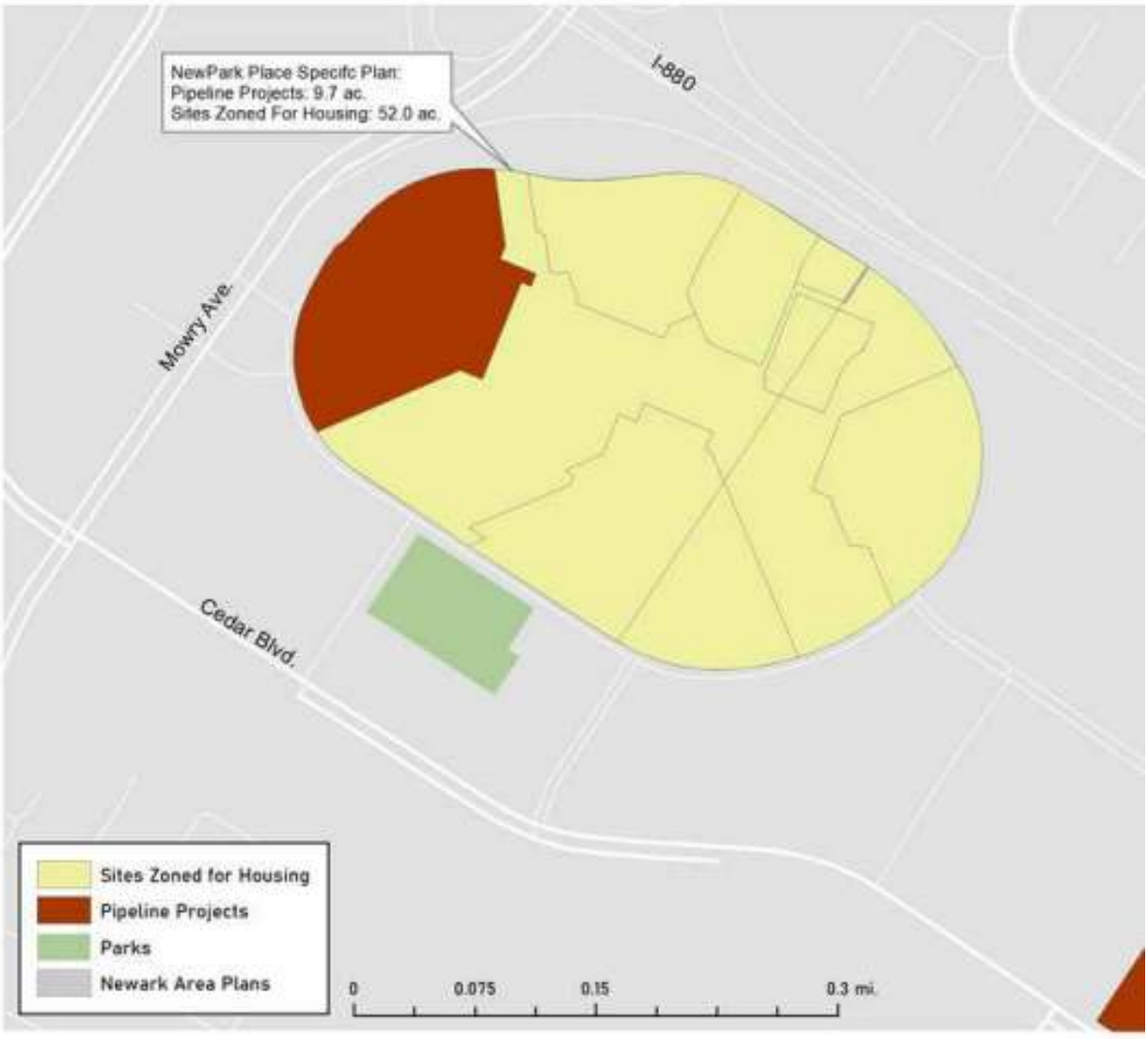
From: Steven Turner <Stevent@newark.org>
Sent: Friday, March 17, 2023 1:21 PM
To: Klaustermeier, Sarah <Sarah.Klaustermeier@...>
Subject: Newark's Draft Housing Element - NewPark Place Specific Plan Residential Units

CAUTION: EXTERNAL MAIL! Do not click links, open attachments or reply, unless you recognize the sender's email address and know the content is safe! If unsure use the Report Phishing Button located in the ribbon.

Hi Sarah- I want to let you know that the city has prepared our Draft 2023-2031 Housing Element for p ublic review. We have a dedicated website where the documents can be reviewed, including an executi ve summary and the complete draft document: www.newarkhousingupdate.org

The Draft Housing Element identifies sites through the city that has the appropriate land use and zoning that would allow residential development over the next eight years. This includes sites within our specifi c plan areas, including the sites that allow residential as permitted uses in the NewPark Place Specific Pl an. The entitled Phase A site is identified as a pipeline project site and the other sites anticipated for ho using that surrounds the mall are also identified. Here is a map that illustrates these housing sites (the p

arcel lines likely don't reflect the approved vesting tentative map, but we can update this map). The nu mber of units identified for this area totals 1,519 units, consistent with the specific plan.



Development of 1,519 units is not specifically required during the 2023-2031 period, but the appropri ate land use and requirements are in place to accommodate that development if requested. Newark was able to identify enough sites at the right densities throughout the city to exceed our Regio nal Housing Needs Allocation. We have also projected the number of units that could be developed at various income levels for the sites. See Table C-1 for more information.

The initial public review period runs through March 27. We will then send it to the State of Californ ia Housing and Community Development Department for their review, comments, and edits in earl y April. We expect to revise the housing element in June/July to incorporate all the necessary edits before public hearings are scheduled with the Planning Commission and City Council later in the su mmer.

Paul Peninger and his team are the city's primary consultants who prepare the draft. Paul and I w ould be happy to discuss the housing element with you and answer questions.

Thanks, Sarah,

--Steven

Comment 9

March 27, 2023

RE: Housing Element Policy Recommendations for Climate Resilience & Fair

Housing Dear Mayor Hannon, City Council, and Planning Staff,

The undersigned organizations and individuals are excited to participate in Newark's Housing Element process. We write to offer feedback on Newark's Draft Housing element for the sixth cycle.

This update is an opportunity for Newark to make sure that high resource and racially segregated neighborhoods take on their fair share of the City's housing needs, particularly for lower income residents who are disproportionately people of color. As your housing element notes, the majority of Newark residents are in housing that is either unaffordable or does not meet their needs. In particular, the Latine community experiences high levels of overcrowding and above average spending on housing. The City must ensure that all, regardless of race or income, can enjoy safe, stable, and accessible homes located either near jobs or transit (bus as well as BART) and on sites that are clean and suitable for development.

We are glad to see many great policies and sites that promote infill and active transportation. We also appreciate Newark going above the buffer recommendations for realistic zoning capacity. Among the sites we're excited about is the Newpark project which will build medium density units on parking lots. This project is a perfect example of infill with access to AC Transit lines to BART.

We also want to commend the city for Policy H6.7: Residential Development in the FloodPlain. We continue our opposition to the Sanctuary West project. We are glad that the city recognizes that such developments are not in the interest of Newark residents nor the prudent fiduciary responsibility of the council and staff. In an era where our communities are facing the consequences of climate change and sea level rise, each community should be actively assessing how it will ensure future developments and infrastructure will be resilient to flood risk without adversely impacting existing residents and the environment. Building in Area 4 baylands

would both greatly increase flood risk across the city, and also squander the opportunity to utilize these lands as a valuable flood buffer to protect the community from flooding and sea level rise, while also providing improved natural wildlife habitat and increased outdoor access opportunities for residents. Additionally, since there is broad community opposition from both environmental and pro-housing organizations in the area, building here has a high chance of community pushback which could delay the project to outside the planning period.

We strongly recommend updating your Climate Action Plan which is now 13 years old in order to implement mitigation measures for water level rise (both sea level rise and groundwater rise) and to reduce greenhouse gas (GHG) emissions. We also recommend adding a policy to restore wetlands in order to maximize carbon sequestration and protection from sea level rise.

Program H3.5: Parking standards study can be strengthened to commit to reducing parking minimums. A study from UC Berkeley's Terner Center found, "the presence of structured parking added nearly $36,000 per unit." The Draft Housing Element notes that Newark has higher parking[1] minimums than neighboring jurisdictions. Parking, especially covered parking, significantly increases the cost of housing developments and uses space for cars rather than for people. In order to combat climate change we know that we must reduce our reliance on cars and fossil fuels. By prioritizing land for people rather than cars we can address the housing crisis and GHG reduction goals. Due to this higher level of parking and its cost, we strongly urge you to commit to reducing the amount of required parking to no more than 0.5 spaces per residential unit, and zero in transit-adjacent areas.

Program H2.1: Encourage new middle-density housing with SB 9 and SB 10. While this is a laudable direction for the city to go to encourage housing abundance throughout the city, it could be strengthened with a few more objective outcomes for the program. (1) The SB 9 ordinance should not reduce the buildable envelope below what an underlying single-family zone allows. (2) Missing middle zoning should allow at least 4 units on at least 80% of single-family lots—not merely legal as density, but practical in terms of development standards. See the Portland Residential Infill Program for a possible direction where buildable envelope is increased the more units are planned on the lot. (3) No areas should be exempted from missing middle except based on floodplain, fire risk, or other major public health / ecological risks. (4) Required parking should continue to be no more than 0.5 spaces /unit, or zero near any bus line, as the major space requirements of off-street parking reliably kills missing middle.

As we've mentioned, we oppose site number 2: Sanctuary West because of its location on baylands that are expected to see a nearly two feet rise of water levels in less than 50 years. We continue to urge you to remove this from your site list.

To support our vision for Newark, Greenbelt Alliance and other partnering organizations have crafted a go-to guide for accelerating equitable adaptation to the climate crisis; **The Resilience Playbook**. The Playbook brings together curated strategies, recommendations, and tools to support local decision makers and community leaders wherever they are in their journey.

We look forward to continuing to engage with Newark and the community on how this vital work can move forward in the new year.

Sincerely,

Victor Flores, East Bay Resilience Manager,
Greenbelt Alliance

David Lewis, Executive Director
Save The Bay

Maxwell Davis and the 2500 members of East
Bay for Everyone

[1] https://ternercenter.berkeley.edu/research-and-policy/ab-1401-residential-parking-requirements/

Comment 10

The City of Newark received the following comment as a form letter from 72 individuals. A full list of the individuals follows the letter.

To: Steven Turner

Subject: Remove Sanctuary West from the Newark Housing Element

Steven Turner,
Dear Mayor Hannon, Vice Mayor Collazo and Newark City Councilmembers, Thank you for putting together a robust Housing Element draft. This is a once in a decade moment for Newark to make pivotal progress on climate change and fair housing by developing a comprehensive housing strategy that builds housing in existing neighborhoods, while ensuring the long-term climate resilience of the city by protecting protecting valuable open space along the shoreline as wildlife habitat while providing community resilience as a flood buffer from sea level rise.

I am writing to you today to implore you to remove Newark Area 4 ("Sanctuary West") from your housing site inventory. This is not a good place to build housing and should not be how Newark meets a significant portion of its housing requirement. Newark Area 4 is almost entirely within a flood zone, and the site is anticipated to be almost completely inundated with just 1 meter of sea level rise. Additionally, new studies show that development of Area 4 could cause flooding for other shoreline communities in the Bay Area. Developing this site will increase flood risk to current and future residents and cause catastrophic financial issues to the city in the future.

As evidenced by recent rains, Newark is already experiencing flooding and if Area 4 is developed, flooding will only increase. Newark has the capacity within the existing urban areas to meet its RHNA goals without putting future and current residents at risk.

Further, the wetlands and wetland restoration potential of Newark Area 4 should be embraced for the numerous important benefits they provide. Wetlands not only protect the city from flooding and provide wildlife habitat, they also clean our Bay waters, and have been demonstrated to be one of the most powerful tools in nature for fighting climate change, by sequestering carbon even more efficiently than our forests. We desperately need to protect and restore all the San Francisco Bay wetlands we can, and Newark has an incredible opportunity to support this regional goal.

We strongly urge Newark to become a climate-forward city by focusing on infill growth in existing neighborhoods - rather than putting housing in an undeveloped shoreline flood zone that should be permanently protected as a wildlife habitat and as a valuable buffer to protect the community from flooding and sea level rise.

Thank you,
[Name]

List of Individuals who sent the comment form letter:

- Neelam Noorani
- Jonathan Coreas-Diaz
- Jean Mccauley
- Marissa Hernandez
- Ashi Kodi Kodi
- Susana Real
- Marilyn Painter
- Jesus Jimenez
- Agustina Maradona
- Dakota Sierras
- Alyssa Lopez
- K. Encarnacion
- Analeez Iniguez
- Lauren Arreguin
- Tia Triplett
- Kassandra Vega
- David Strand
- Monika Strand
- Timmy Thach
- Katelyn Costa
- Jasmine Sandhu
- John Oda
- Ben Keller
- Cyril Bouteille
- Andrea Resendiz
- Victoria Ornelas
- Nael Mohammad
- Oscar Pena
- Lauren Farias
- Kaitlyn Fregoso
- Belle Farias
- Kamilah Arteaga
- Eden Kidd
- Jaime Arredondo
- Anthony Medina
- Vaidehi Sharma
- Lyndie Chiou
- Wendy Chou
- Justin Burks
- Vanessa Nunez
- David Alexander
- Malalai Mayar
- Diane Petersen
- Maia Rodriguez
- Raul Maldonado
- Remi Tan
- Kermit Cuff
- Sarah Bell
- Cassandra Jauregui
- Christopher Sulots
- Jaycee Moriguchi
- Kurt Harvey
- Christina Johnson
- Timothy Lee
- Nazim Haffaf
- Arianna G.
- Michael Brazil
- Allysia Irwin
- Janice MacKenzie
- Amanda C.
- Shawn Bean
- Amanda Cordoba
- Teresa Pinto
- Marina Montes
- George Flint
- Katherine Roberts
- Thalia Lubin
- AJ Cho
- A.F. Shayne
- Joan Starr
- Maxwell Davis
- Shaina Chemparathypatagonia

Comment 11

March 27, 2023

Transmitted Via Electronic Mail via the City Clerk

Steven Turner, Community Development Director

37101 Newark Blvd.

Newark, CA 94560

Email: city.clerk@newark.org

RE: Public comments by San Francisco Baykeeper on Newark's Draft Housing Element.

Dear Mr. Turner,

I write on behalf of San Francisco Baykeeper ("Baykeeper") in opposition to the City of Newark's inclusion of the Sanctuary West Project (also commonly known as "Area 4") in its Draft Housing Element. Baykeeper submits these comments on behalf of approximately 5,000 members and supporters who live and recreate in and around the San Francisco Bay Area. Together, our mission is to defend San Francisco Bay from the biggest threats and hold polluters and government agencies accountable to create healthy communities and help wildlife thrive. Our team of scientists and lawyers investigate pollution via aerial and water patrols, strengthen regulations through science and policy advocacy, and enforce environmental laws on behalf of the public.

It is discouraging to see the city continuing to recommend and approve housing at Area 4. Instead of allowing this area to be used as a natural barrier to mitigate sea level rise (SLR) and groundwater inundation as climate impacts increase, moving forward with development will expose more than a thousand new residents to SLR and put hundreds of millions of dollars of property at risk. With only about ten percent of the original wetlands remaining around San Francisco Bay, keeping these natural bufferlands is essential to having a resilient community and allowing shorelines to adapt in the midst of climate change.

In addition, importing fill and paving over Area 4 would destroy restorable diked Baylands and harm wildlife habitats for over a dozen special-status species. This includes the endangered Salt Marsh Harvest Mouse, endemic to only San Francisco Bay's marshes which are increasingly threatened with the prospect of development. Furthermore, fragmenting and degrading the existing wetlands in Area 4 will also threaten pup rookeries for harbor seals.

The scientific community has recommended Area 4 as a high priority for protection and restoration of wetlands and upland habitat in order to support San Francisco Bay wildlife species and help them adjust to rising sea levels. Congress has already authorized lands such as Area 4 to be added to the Don Edwards SF Bay National Wildlife Refuge. We urge you to follow the guidance of the region's scientific community and prioritize protecting and restoring this land rather than development in Area 4 as planned in your current Draft Housing Element.

During the January 2023 King Tides, drone footage revealed just how much surface water already occupies the site. These images give a glimpse of what this site will look like under one foot of SLR. Seeing as this site is projected to have two feet of SLR by 2050, it is obvious why this

is not a good site to build housing or degrade more wetland habitat.



Jan. 22, 2023, King Tides at Area 4 *Photo credit: Carin High*

Lastly, sustainable development comes at the intersection of economic, social and environmental capitols. Area 4 development only looks at the economic benefit to build. However, if natural capitol was also part of the equation, one would see how many benefits this land offers: greenhouse gas sequestration, nature based multi-benefit adaptation solutions to SLR, open space for community members to enjoy, and biodiversity to ensure a healthy Bay.

Staff, we implore you to remove the Sanctuary West Project from suitable housing in the 6th cycle of Newark's Housing Element. Follow the advice of the experts and protect these wetlands to, in turn, protect your community against climate change impacts.

Thank you for the opportunity to comment on this Draft Housing Element. Please reach out to Aundi Mevoli at aundi@... with any questions.

Sincerely,

Aundi Mevoli

Field Investigator and Policy Advocate San Francisco Baykeeper

ADDITIONAL COMMENTS RECEIVED DURING HCD REVIEW PERIODS

Comment 12	David Song	I received a letter from city of Newark, regarding a piece of land that I own. 37079 Ash street, APN: 92-127-31. The letter stated that my property has been identified as a site that could be developed with residential units, and well suited for development. I have previously tried to discuss the development of this site with the planning department multipe times, with no success. With this new initiative from the city, what kind of incentive does the city provide to owners to develop this site? Higher density? Lower permit fees? Faster approval? Less red tape? After reading through the Housing Element report, I still could not figure out how does that report relate to my property and its potential for development. It would be nice for the city planner to sit down with me and explain what kind of incentives the city provides to the development of my site. I am more than happy to work with the city to develop this site and provide more housing opportunities to medium and low income families. Best David
Comment 13	Rishika Rawat	I was wondering where I could find a pdf of the Newark Safety Element.
Comment 14	Alyssa Lopez	Hi, I was wondering if there is any action being taken to invest in some programs such as a first-time buyers programs for Newark Residents, or a low-income based programs. If so, I'd like to get more information or be interested in investing some input Thank you!
Comment 15	Pat Callaway	There has been opposition to Area 4 development and I am confused by your responses. Has Area 4 been scrapped or not?
Comment 16	Krisie Knutson	Those house are ugly , can't you make some pretty houses

RESOLUTION NO. 11,201

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK APPROVING AN AFFORDABLE HOUSING WORK PLAN

WHEREAS, in May 2015, the City Council approved Resolution 10,361 approving an amendment of the Newark General Plan, adopted December 12, 2013, by replacing the Housing Element with the Housing Element Update 2015; and

WHEREAS, the purpose of the Housing Element is to support the vision of assuring the provision of safe, decent, affordable shelter for all Newark residents. The Housing Element places a particular emphasis on lower income Newark residents and residents with special needs, including seniors and persons with disabilities. The Housing Element includes an evaluation of housing needs in the City, based on demographics and housing conditions. As required by state law, it identifies sites sufficient to accommodate the City's share of the region's housing needs over an eight-year period, the Regional Housing Need Allocation (RHNA), developed by the Association of Bay Area Governments (ABAG); and

WHEREAS, the State of California continues to suffer a housing affordability crisis, which also manifests at the regional and local level. Based on data from ABAG, median rents in the Bay Area have increased over 44% between 2010 and 2015, while median household income has increased by 5% over same period. In 2017, over 40% of Alameda County renters spent 35% or more of their household income on rent; and

WHEREAS, the 2015-2023 RHNA for the Bay Area identifies a total housing need of 187,990 units, distributed among very-low, low-, moderate-, and above-moderate income levels. The City of Newark's RHNA allocation for the 2015-2023 period is 1,078 units (which shall be accommodated through the General Plan and Zoning Ordinance, but not necessarily constructed) and includes:

a) 330 units for very-low income households, with incomes at or below 50% of the Average Median Income (AMI)

b) 167 units for low income families, with incomes ranging from 51% or 80% of AMI

c) 158 units for moderate-income households, with incomes from 80% to 120%, and

d) 423 units for above-moderate-income households with an AMI of greater than 120%; and

WHEREAS, between the period of 2015-2020, the number of residential units constructed in the City or have had building permits issued for construction, includes 36 units of housing affordable for moderate-income households and 1,062 units of housing affordable to above moderate-income households, for a total of 1,098 units. The City has not produced units affordable to low-income or very-low-income households within the 2015-2020 period, and

WHEREAS, although the City has produced housing that exceeds the goal for above-moderate housing, the production goals for very-low, low, and moderate housing have not been met; and

WHEREAS, the City recognizes the importance of continuing to proactively develop affordable housing in Newark to meet he needs of families who live and work in the City, consisted with the adopted Housing Element; and

WHEREAS, in November 2020, the City Council approved a contractual services agreement with Baird + Driskell Community Planning (Consultant) to provide affordable housing program management services to the City; and

WHEREAS, City staff directed the Consultant to conduct interviews with the City Council, the Planning Commission, and the Community Development Advisory Committee to assess the affordable housing needs of the community and prepare a work plan that would guide the efforts of City staff and the Consultant over a two-year period; and

WHEREAS, based on the results of the interviews, City staff and the Consultant have produced an affordable housing work plan that includes activities for the preparation of new affordable housing requirements, polices, and actions intended to significantly incentivize the production of affordable housing within the City, particularly at the very-low and low-income levels.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Newark hereby adopts the 2021-2023 Affordable Housing Work Plan as attached as Exhibit A.

I HEREBY CERTIFY the foregoing resolution was introduced at a regular meeting of the City Council of the City of Newark held on May 13, 2021, by Council Member Hannon who moved its adoption and passage, which motion was carried after being duly seconded, and passed by the following vote:

AYES:	Council Members Collazo, Freitas, Hannon, Vice Mayor Bucci and Mayor Nagy
NOES:	None
ABSENT:	None
SECONDED:	Council Member Collazo

APPROVED:

s/ALAN L. NAGY
Mayor

ATTEST:

s/SHEILA HARRINGTON
City Clerk

APPROVED AS TO FORM:

s/KRISTOPHER J. KOKOTAYLO
Interim City Attorney

Newark Affordable Housing Work Plan, 2021-2023

		I. Housing Element Update	II. Inclusionary Housing and Nexus Study and Ordinance	III. Funding NOFA	IV. Local Preferences Policy	V. First-Time Homebuyer Program	V. Sites Acquisition and Other
Timeframe/Budget*		**$150,000-$200,000, depending on extent of re-zoning**	**$100,000**	**40% of Housing Fund**	**$50K**	**$50,000 for Initial Program Structure + 5% of Housing Fund**	**40% of Housing Fund**
Spring/Summer2021		Issue RFP/begin community engagement, review of previous housing element, needs assessment and overall update process	Develop Scope/Issue RFP/Retain Consultant and initiate study process	Develop NOFA outline and determine initiate funding be offered	Coordinate with Eden Housing re: local preferences analysis for proposed 79-unit senior housing development	Develop draft program parameters for first-time homebuyer program.	1) Due diligence and background research for potential acquisition of sites for affordable housing development. 2) assist staff with ongoing real state and affordable housing analysis, developer negotiations other key tasks related to affordable housing.
Fall 2021		Community engagement continues + sites inventory and analysis	Conduct Study	Issue NOFA and review applications	Develop analysis and guidelines for local preferences policy	Conduct additional due diligence for program and present drat program for Council consideration.	1) Develop sites acquisition strategy; 2) affordable housing program and policy support.
Winter 2021/22		Assess rezoning needs	Finalize Study and make recommendations to Council/adopt updated Program/Ordinance	Make funding commitments	Adopt local preferences policy	Adopt and begin implementation of program.	Implementation of sites acquisition strategy; other affordable housing program and analytical tasks.

Newark Affordable Housing Work Plan, 2021-2023

		I. Housing Element Update	II. Inclusionary Housing and Nexus Study and Ordinance	III. Funding NOFA	IV. Local Preferences Policy	V. First-Time Homebuyer Program	V. Sites Acquisition and Other
Spring 2022		Rezoning + Programs and Policies	Implementation	Manage/oversee funding allocations	Implementation	Implementation	Implementation of sites acquisition strategy; other affordable housing program and analytical tasks.
Summer 2022		Public Hearings	Implementation	Manage/oversee funding	Implementation	Implementation	Implementation of sites acquisition strategy; other affordable housing program and analytical tasks.
Fall 2022		Submit Draft to HCD	Implementation	Manage/oversee funding	Implementation	Implementation	Implementation of sites acquisition strategy; other affordable housing program and analytical tasks.
Winter 2022/23		Approve and Adopt Housing Element	Implementation	Manage/oversee funding	Implementation	Implementation	Implementation of sites acquisition strategy; other affordable housing program and analytical tasks.

*Estimated budget or Housing Fund allocaton percentage. Specific funding requests would be reviewed and approved by Council

STAFF REPORT
Item E. 1.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Tonya Connolly, Maintenance Superintendent
SUBJECT	Hearing to consider property owners' objections and adopt a resolution confirming the Superintendent of Streets' Report concerning weed abatement assessments

SUMMARY AND RECOMMENDATION

The City of Newark conducts an annual weed abatement program as a fire prevention measure. This is a combined effort between the City's Maintenance Division and the Alameda County Fire Department Fire Prevention staff. Vacant properties with the potential for extensive weed growth are typically included in the program and property owners have the option to either complete the weed abatement work themselves or have the work completed by a City contractor. Following notification, property owners cleared 102 parcels and the remaining 18 parcels were cleared by the City's contractor. The properties cleared by the City's contractor have a resulting range of assessments between $387 and $2,907. The combined total for all assessments was $16,376.

Staff recommends that the City Council, by motion, act upon any objections by property owners for assessments on their parcels for the 2025 Weed Abatement Program and, by resolution, confirm the Superintendent of Streets Report concerning weed abatement assessments.

BACKGROUND

The City of Newark conducts an annual weed abatement program to abate weeds on vacant properties that are not properly maintained by property owners to the satisfaction of Alameda County Fire Department (ACFD) Fire Prevention staff. The program is authorized by, and conducted pursuant to, Government Code Sections 39560, et seq. The abatement work typically consists of tractor mowing, supplemented with manual labor to clear weeds abutting fences and removal of debris to facilitate tractor work. Property owners have the option to make their own arrangements for weed and debris removal. All properties on which the City performs the abatement work would be assessed the full cost of that work, including administrative costs. Administrative costs are 20% of the cost of the weed abatement services pursuant to the adopted Master Fee Schedule. Prior to abatement, there were approximately 120 industrial, residential and commercial parcels that had large areas of vacant ground

with regular seasonal weed growth that could have developed into a fire hazard if not properly maintained.

DISCUSSION/ANALYSIS

The Superintendent of Streets' report on the 2025 Weed Abatement program is submitted pursuant to Resolution No. 11741 adopted by the City Council on May 8, 2025. The report showing the assessments for the spring 2025 weed abatement has been posted as required. Owners whose properties are subject to an assessment may protest at this meeting or submit their objections prior to the hearing. As of June 16, 2025, no written objections have been received. On June 12, 2025, the City Council directed the Superintendent of Streets to abate weeds on 120 parcels, of which 18 were ultimately cleared by the City's contractor. This year, the assessments ranged from $387 and $2,907. The lowest cost was for a vacant property that required minimal work. The combined total for all assessments, including administrative fees, was $16,376. All work completed through the 2025 Weed Abatement Program is paid for through the proposed assessments.

FISCAL IMPACT

Abatement costs are fully recoverable through property assessments, which are collected via the Alameda County tax roll, resulting in no net impact on the General Fund.

REVIEW AND APPROVAL

Prepared by - Tonya Connolly, Maintenance Superintendent
Reviewed by - Howard Young, Public Works Director
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Resolution - Total Assessments

Schedule A - Weed Abatement - Total Assessments

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK CONFIRMING THE REPORT OF THE SUPERINTENDENT OF STREETS CONCERNING WEED ABATEMENT ASSESSMENTS AND APPROVING SPECIAL ASSESSMENTS

WHEREAS, the City Council of the City of Newark, by Resolution 11741, ordered certain rubbish, refuse, dirt, and weeds to be abated in the manner provided by Sections 39560 and 39586 inclusive, of the Government Code of the State of California; and

WHEREAS, the Superintendent of Streets has caused said rubbish, refuse, dirt, and weeds to be abated. Nuisances abated and an accounting for the cost of abatement in front of or on each separate parcel of land has been set forth in a report entitled "Exhibit A – 2025 City of Newark Weed Abatement – Total Assessments" and attached hereto.

NOW, THEREFORE, BE IT RESOLVED that the report of the Superintendent of Streets attached hereto and made a part hereof as Exhibit A is hereby confirmed.

BE IT FURTHER RESOLVED that the cost of abating the nuisance for each respective parcel is set forth in said report under the column entitled "Total Assessment".

BE IT FURTHER RESOLVED that there is hereby levied a special assessment against each parcel of land described in said report in the amount of $16,376 as shown in said column "Total Assessment".

BE IT FURTHER RESOLVED that the costs levied as a special assessment against the parcels of land described in said report shall become a lien upon the property.

I HEREBY CERTIFY the foregoing resolution was introduced at a regular meeting of the City Council of the City of Newark held on _____, by Council Member _____ who moved its adoption and passage, which motion was carried after being duly seconded, and passed by the following vote:

AYES:

NOES:

ABSENT:

SECONDED:

APPROVED:

s/Michael K. Hannon
Mayor

ATTEST:

s/SHEILA HARRINGTON
City Clerk

APPROVED AS TO FORM:

s/KRISTOPHER J. KOKOTAYLO
City Attorney

The undersigned City Clerk of the City of Newark hereby certifies and attests that the undersigned has access to the official records of the City Council of the City of Newark, that the foregoing resolution was duly adopted by said City Council of the City of Newark at a meeting of said City Council and that such resolution has not been amended or altered and are in full force and effect on the date stated above.

_____
Sheila Harrington, City Clerk, City of Newark

_____
Date

2025 Weed Abatement - Schedule A - Total Assessments

MAP	SORT PARCEL	ALCO APN	LOCATION	MOWING HOURS	TOTAL ASSESSMENT
3	092 013100109	92-131-1-9	FILBERT STREET AT SNOW	4	$387.60
3.1	092 013100204	92-131-2-4	37243 FILBERT STREET	4	$387.60
3.2	092 013100300	92-131-3	37257 FILBERT STREET	4	$387.60
8	092 003001403	92-30-14-3	6717 THORNTON AVENUE	8	$775.20
11.39	092A200000400	92A-2000-4	SP RAILROAD R-O-W	8	$775.20
11.42	092 012702000	92-127-20	SP RAILROAD R-O-W	16	$1,550.40
15	537 046000725	537-460-7-25	6953 JARVIS AVENUE	6	$581.40
24	092 007500402	92-75-4-2	CHERRY STREET	4	$387.60
24.1	092 007500502	92-75-5-2	CHERRY STREET	4	$387.60
34	092 012601900	92-126-19	SMCTD RAILROAD R-O-W LOCUST & ELM	30	$2,907.00
35	537 085202800	537-852-28	8891 ENTERPRISE DR	9	$872.10
35	537 085202900	537-852-29	8891 ENTERPRISE DR	9	$872.10
36	092 011501100	92-115-11-3	37445 WILLOW STREET	18	$1,744.20
45	092 012501000	92-125-10	7843 RAILROAD AVE BETWEEN LOCUST & WALNUT	8	$775.20
53	092A103603102	92A-1036-31-2	6152 THORNTON AVENUE	8	$775.20
65	092 012701300	92-127-13	37079 ASH ST	4	$387.60
68	092 014000500	92-140-5	8333 ENTERPRISE DR	12	$1,162.80
71	092 010001103	92-100-11-3	THORNTON AVE	8	$775.20
72	092 005200400	92-52-4	THORNTON AVE	5	$484.50
			TOTALS	**169**	**$16,376.10**

STAFF REPORT
Item E. 2.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Joseph Balatbat, Associate Planner
SUBJECT	Hearing to consider a Call for Review of the Planning Commission's adoption of Resolution No. 2022 approving the Prologis project at 6756 – 6792 Central Avenue (APN: 92A-2165-14, -15, -16, and -17) consisting of the following entitlements: Design Review (DR2022-010), a Minor Use Permit (MUP2024-001), and a Conditional Use Permit (U2024-001) to allow for a new industrial building and associated on-site improvements and consider a resolution affirming the Planning Commission's action and a resolution overturning the Planning Commission's action

SUMMARY AND RECOMMENDATION

The applicant, Ryan Marshall, and property owner, Prologis LP, (the "Applicant") submitted an application for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (the "Project"). The requested entitlements include the following:

1. Design Review (DR2022-010) for the construction of a new industrial building and associated on-site improvements. Pursuant to Newark Municipal Code ("NMC") §17.34.020, Design Review is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area;
2. Conditional Use Permit (U2024-001) to allow for an "indoor warehousing and storage" use and a "wholesaling and distribution" use. Pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use require approval of a Conditional Use Permit; and
3. Minor Use Permit (MUP2024-001) to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area. Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing requires approval of a Minor Use Permit.

On June 24, 2025, the Planning Commission voted 5-0 to approve the Project and adopted Resolution 2022 (the "Resolution), based upon the findings contained in the Resolution and subject to conditions of approval.

Staff sent a Notice of Action describing the decision to the members of the City Council and Planning Commission, the Applicant, all property owners within a minimum 1,000-foot radius of the Project site, all neighborhood and community organizations that filed a written request for notice of projects in the area where the site is located, and all persons and groups who have filed a written request for notice regarding the specific application.

Pursuant to NMC §17.31.100, a member of the City Council may submit a "Call for Review" of a decision of the Community Development Director, Zoning Administrator, or Planning Commission. Council Member Grindall requested a review of the Planning Commission's decision to adopt the Resolution.

Staff recommends that the City Council consider one of the following actions:

1. Affirm the Planning Commission's decision to adopt the Resolution (Attachment 3) without any modifications to project approvals;
2. Affirm the Planning Commission's decision to adopt the Resolution with changes to the Project, the required findings of fact, and/or the conditions of approval; or
3. Reject the Planning Commission's decision, thereby denying the Project based on an inability to make the necessary findings for approval.

Staff recommends that the City Council affirm the Planning Commission's Resolution without any modifications to the project approvals. However, if the City Council seeks to overturn the Planning Commission's decision, staff has provided a draft resolution (Attachment 5). The draft resolution includes a space for the City Council to identify where it was unable to make the necessary findings to approve the Project.

BACKGROUND

The subject site consists of four parcels, with a combined lot size of 17.4 acres. Previous uses on the site include, but are not limited to, a recycling center, glass manufacturer, and pallet storage yard. The subject site consists of an existing warehouse building, uncovered storage yards, fencing, and hardscaped areas.

The subject site is zoned GI: General Industrial and has a General Plan Land Use designation of General Industrial and is primarily surrounded by industrial uses.

Project Description

The Project consists of a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue. The new industrial building is considered a speculative building with no tenants currently identified. The new industrial building would be approximately 315,390 square feet, which includes 33,806 square feet of office space and 281,584 square feet of industrial space.

A complete overview of the Project can be found as part of Staff's report for the Planning Commission meeting (Attachment 1).

DISCUSSION/ANALYSIS

The General Industrial General Plan designation is intended to accommodate a broad range of manufacturing, warehousing, wholesaling, and distribution uses. This designation is implemented through the GI: General Industrial Zoning District.

The Project was reviewed under NMC Title 17 (Zoning) and complies with the applicable provisions of the Zoning Code, which include building height, setback, parking and loading, and fencing requirements.

The Project is subject to the Design Review criteria specified in NMC §17.34.060, Conditional Use Permit findings specified in NMC §17.35.060, and Minor Use Permit findings specified in NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii). Overall, the Project would enhance the site and is compatible with the characteristics of the surrounding areas. The new industrial building consists of contemporary design elements with high-quality materials and clean forms that create an attractive building within the site. The Project would be complementary to the site and would enhance the appearance and features of the surrounding natural and built environment.

CONDITIONAL USE PERMIT

The applicant is requesting approval of a Conditional Use Permit for an “indoor warehousing and storage” use and a “wholesaling and distribution” use. The Project would be consistent with the type of uses found in the GI Zoning District. Therefore, the Project would be consistent with the Conditional Use Permit findings. As mentioned earlier in this report, the applicant has not identified a tenant to occupy the new industrial building.

The applicant has submitted a Transportation Impact Study to analyze traffic impacts for the Project and various industrial uses. The study has been prepared to determine the Vehicle Miles Traveled (VMT) and Level of Service (LOS) impacts associated with the Project. It included an analysis of trip generation for trucks and vehicles, impacts, mitigations, and recommendations. The study states that the Project's VMT to employee ratio of 14.02 is expected to be lower than the threshold of significance ratio for VMT to employee ratio of 14.6, and as a result, the project is determined to have a less-than-significant transportation impact.

As part of the Engineering Division’s conditions of approval, the applicant would incorporate LOS mitigation measures specified in the study, which include signal phasing adjustments at the northbound left lane at the Cherry Street and Central Avenue intersection to address the queuing deficiency.

Dock Doors

As part of the conditions of approval, the applicant would revise the Project plans to include the 32 dock doors with two grade-level doors and 14 door knockouts as part of the building permit submittal. It should be noted that as part of the project's conditions of approval, any changes to the design of the new industrial building that include the conversion of the additional door knockouts to dock doors for an “indoor warehousing and storage” use and/or a “wholesaling and distribution” use would require an amendment to the Conditional Use Permit.

Overall, the Project would be compatible with the surrounding industrial uses in the nearby area.

DESIGN REVIEW

Industrial Building

The design of the new industrial building would be a contemporary style design consisting of high-quality tilt-up concrete with metal panel accents. The location of the new building would be in the center of the property. The new building would be predominantly single-story, with the exception of a two-story office. The overall exterior height of the new building would be 49'-6", to the top of the parapet. Design elements and architecture features would include:

- Tilt-up panels to be painted in three different colors.
- Perforated metal panel shading device.
- Prefinished aluminum window frame and glazing.
- Prefinished metal canopy above entry.
- Prefinished aluminum curtain wall and glazing.
- Prefinished aluminum storefront and glazing.
- Roof mechanical screen.
- Spandrel glazing.
- Exterior wall-mounted building light fixtures.
- Cast-in-place concrete stairs.
- Access doors.
- Roll-up doors.

The Project plans display the exterior colors and materials used on the new industrial building. Additionally, the Project plans include a placeholder for a public art installation at the front (north) elevation of the new building that faces Central Avenue.

On-Site Improvements

The Project would include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, an employee open space area, site lighting, fencing, vehicular gates, a truck courtyard area, and a trailer storage area.

The new landscaping would include trees, shrubs, perennials, grasses, and ground cover plants. The applicant proposes to remove ten existing trees on the site to accommodate the new on-site improvements.

Two new driveways would be created along the front (northwestern) of the property to provide access to the site and parking areas. As indicated in the Transportation Impact Study, prepared by Kimley Horn dated May 2025, the driveway at the west of the Project site along Central Avenue would be for "passenger car access only". The driveway at the east of the Project site along Central Avenue would be for "truck access only".

Pedestrian walkways would be provided along the parking areas, bicycle parking areas, and the new industrial building. Sidewalks would be proposed along the project frontage on Central Avenue. As part of the Planning Division's and Engineering Division's conditions of approval, the applicant would need to revise the Project plans to show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

New site lighting would also be provided along the perimeter of the property. The rear (eastern) of the property, behind the new industrial building, would consist of a truck courtyard area and trailer storage area. The Project would provide a total of 396 on-site parking spaces, which would meet the minimum required number of on-site parking spaces as outlined in Chapter 17.23 – Parking and Loading.

An employee open space area would be provided along the front of the new industrial building. The employee open space area would include an outdoor cooking area, table and seating area, hardscaping, and landscaping. A 6-foot-tall perforated metal panel steel frame fencing, painted cement board wall, and amenity entrance gates would be installed around the new employee open space area.

MINOR USE PERMIT

Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing in non-residential districts requires approval of a Minor Use Permit. The applicant is requesting approval of a Minor Use Permit to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area. The new fencing would be located along the side (southern) property line adjacent to the Union Pacific Railroad. Overall, the additional fence height request would comply with the fencing standards outlined in NMC §17.17.040 - Fences and Freestanding Walls, which include meeting the 6-foot height limitation and utilizing a tube steel material.

Parcel Map

The applicant will submit an application for a Parcel Map to merge the four parcels into one parcel for review and approval by the City Engineer, separately from the review of the requested entitlements. As part of the Engineering Division's conditions of approval, the Parcel Map to merge the four parcels into one would need to be recorded at the Alameda County Recorder's Office prior to issuance of the building permit.

Public Art and Signage

As part of the Planning Division's conditions of approval, the applicant would be required to work with Staff on the public art installation as part of the building permit submittal. The General Plan includes a policy to use public art to commemorate Newark's cultural diversity, history, and unique character. The public art installation would help enhance the aesthetics of the new industrial building since the site is along Central Avenue, an arterial road, and the future overpass project.

The applicant has submitted a Signage Package for the new building and site. As part of the Planning Division's conditions of approval, the applicant would need to apply for a Sign Permit to the Planning Division for review and approval to demonstrate

compliance with Chapter 17.25 – Signage Standards.

Based on Staff's analysis, the Design Review criteria, Conditional Use Permit findings, and Minor Use Permit findings for the Project can be made in the affirmative and are provided in Attachment 3 of this report.

COMMUNITY MEETINGS

The applicant held two community meetings on the Project. Notices for the community meetings went out to property owners within a minimum 1,000-foot radius of the Project site and the homeowners' association in the Bayside Newark area.

The first meeting was held on December 18, 2023, at the Silliman Community Activity Center. No members of the public attended the meeting. The other community meeting was held on January 21, 2025, at the Community Meeting Room in the Newark Library. The applicants' team, City Staff, and one member of the public attended the meeting. The applicants' team presented an overview of the Project. Prior to the meeting, Staff received written comments regarding sidewalk improvements along Central Avenue, the status and review of the California Environmental Quality Act (CEQA) analysis, and the timeframe and duration of construction.

Required Noticing

Pursuant to NMC §17.31.060, on July 8, 2025, a public hearing notice was published in The Tri City Voice and mailed to all property owners within a minimum 1,000-foot radius of the Project site, all neighborhood and community organizations that have filed a written request for notice of projects in the area where the site is located, and all persons and groups who have filed a written request for notice regarding the specific application.

FISCAL IMPACT

The project is not expected to negatively impact the City's budget. As described in NMC Chapter 3.24, the City has established fees that are imposed upon projects to mitigate the impacts that the projects have upon the City's ability to provide public facilities. Per the current Master Fee Schedule, the Project would be subject to the following impact and in-lieu fees as described in the table below. In addition, the project would be required to pay the Community Development Maintenance Fee, which is 0.5% of the construction valuation.

Total Building SF	315,390	SF	
Public Safety:	$0.61	SF	$192,387.90
Community Service/Facilities:	$0.45	SF	$141,925.50
Transportation:	$5.93	SF	$1,870,262.70
Housing Impact:	$0.83	SF	$261,773.70
Art in Public Places and Private Development:	$0.21	SF	$66,231.90

Grand Total	**$2,532,581.70**

The applicant, property owners, and/or developer will be responsible for remitting the respective impact fees in effect at the time, prior to the issuance of any building permits for the Project. The collection of the impact fees is included in the conditions of approval.

ENVIRONMENTAL/PLANNING COMMISSION REVIEW

California Environmental Quality Act (CEQA)

Staff retained the consultant services of M-Group to determine if the Project is eligible for an exemption under the California Environmental Quality Act (CEQA). The CEQA analysis prepared by M-Group, dated June 2025, in accordance with the CEQA Guidelines evaluates the environmental impacts from the Project, included as Exhibit E of Resolution No. 2022 (Attachment 2). The analysis demonstrated that the Project is eligible for the following CEQA exemptions:

- ***Consistency with Program EIR.*** *The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the Project would not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2013 FEIR). No further environmental review is required.*
- ***Community Plan Exemption.*** *Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR. The Project is exempt from further CEQA review since it is consistent with the General Plan.*

As discussed in the analysis, the Project is within the scope of development projected under the General Plan for which an EIR was certified in 2013. The Project will implement applicable mitigation measures identified in the 2013 FEIR. In addition, the Project will be required to comply with applicable conditions of approval of the Resolution and is subject to uniformly applied development standards. With implementation of the required mitigation measures and conditions of approval, the Project will not result in a substantial increase in the severity or significant impacts that were previously identified in the program-level EIR, nor will the Project introduce any new significant impacts that were not previously identified. Therefore, there will be no additional environmental impacts beyond those analyzed in the 2013 FEIR.

Overall, the Project is exempt from further environmental review pursuant to CEQA Guidelines §15168 and §15183 and California Public Resources Code §21083.3.

Planning Commission Review

As described in NMC Chapter 17.30, the Planning Commission serves as the decision-making body for Conditional Use Permits. Requests for Design Review and

Minor Use Permits may also be reviewed by the Planning Commission at the discretion of the Community Development Director.

On June 24, 2025, the Planning Commission received a staff recommendation for adoption of a resolution to approve the Applicant's requested entitlements. The Planning Commission held a public hearing to consider the staff recommendations and receive public comments. A member of the public, Mr. Stephen Cassidy, CEO of the Newark Chamber of Commerce, spoke in favor of the Project. At the conclusion of the public hearing, the Planning Commission considered the staff recommendation and information contained in the staff report, the public testimony received, and discussed the merits of the project.

Following the discussion, Commissioner Aguillar made a motion to approve the staff recommendation, which was seconded by Commissioner Becker. The Planning Commission voted 5-0 to approve the motion. Minutes of the June 24, 2025 Planning Commission meeting are provided in Attachment 4.

REVIEW AND APPROVAL

Prepared by - Joseph Balatbat, Associate Planner
Reviewed by - Steven Turner, Community Development Director
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Attachment 1A -June 24, 2025 PC Staff Report
Attachment 1B - Draft Resolution
Attachment 1C - Project Narrative
Attachment 1D - Project Plans
Attachment 1E - CEQA Analysis
Attachmment 1F - CEQA Appendix A
Attachment 1G - CEQA Geotech Report
Attachment 1H - CEQA Appendix C-1
Attachment 1I - CEQA C-2
Attachment 1J - CEQA Appendix D-1
Attachment 1K - CEQA Appendix D-2
Attachment 1L - CEQA Appendix E
Attachment 1M - Concept Plan
Attachment 1N - Fire Truc Exibit
Attachment 1O - Signage Package
Attachment 2 – Planning Commission Resolution No. 2022 (with Exhibit A & B only)
Attachment 3 – Draft Resolution – Affirming the Planning Commission’s Decision of Approval of the Project

Attachment 4 - Planning Commission Minutes July 24th

Attachment 5 – Draft Resolution – Overturning the Planning Commission’s Decision of Approval of the Project

Staff Presentation

E.1 Hearing to consider DR2022-010, U2024-001, and MUP2024-001, a Resolution approving a Design Review, Conditional Use Permit, and Minor Use Permit to allow for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN: 92A-2165-14, -15, -16, and -17). The subject site is zoned GI: General Industrial and has a General Plan designation of General Industrial – from Associate Planner Joseph Balatbat.

(RESOLUTION)

EXECUTIVE SUMMARY

The applicant, Ryan Marshall, and property owner, Prologis LP, submitted an application for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (the "Project"). The requested entitlements include the following:

1. Design Review (DR2022-010) for the construction of a new industrial building and associated on-site improvements. Pursuant to Newark Municipal Code (NMC) §17.34.020, Design Review is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area;

2. Conditional Use Permit (U2024-001) to allow for an "indoor warehousing and storage" use and a "wholesaling and distribution" use. Pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use require approval of a Conditional Use Permit; and

3. Minor Use Permit (MUP2024-001) to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area. Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing requires approval of a Minor Use Permit.

Staff recommends that the Planning Commission consider the following action:

1. Adopt the Draft Resolution, approving the Design Review (DR2022-010), Conditional Use Permit (U2024-001), and Minor Use Permit (MUP2024-001) for the Project based on the findings provided in **Attachment 1**, Draft Resolution.

PROJECT BACKGROUND AND OVERVIEW

Property Description

The subject site consists of four parcels, with a combined lot size of 17.4 acres (756,061 square feet). Previous uses on the site include, but are not limited to, a recycling center, glass manufacturer, and pallet storage yard. The subject site consists of an existing warehouse building, uncovered storage yards, fencing, and hardscaping.

The subject site is zoned GI: General Industrial and has a General Plan Land Use designation of General Industrial. The subject site is bounded by Central Avenue, Cherry Street, Redeker Place, and the Union Pacific Railroad. The subject site is primarily surrounded by industrial uses.

Project Description

The Project consists of a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (**Attachment 1, Exhibit D**). In the Project Narrative, the applicant indicates:

> *"The Project is currently speculative in nature with no tenant prospects as of the application date. Our intent is to transform an underutilized industrial outdoor storage yard into a Class A, state of the art industrial warehouse with approximately 300 new permanent jobs"*(**Attachment 1, Exhibit C**).

Below are the details of the Project and the requested entitlements:

Design Review

Industrial Building

The new industrial building would be approximately 315,390 square feet, which includes 33,806 square feet of office space and 281,584 square feet of industrial space with 46 dock doors with two drive-in doors at the rear (south) elevation of the building. The design of the new industrial building would be a contemporary style design consisting of high-quality tilt-up concrete with metal panel accents. The location of the new building would be in the center of the property (**Attachment 1, Exhibit D**).

The new building would be predominantly single-story, with the exception of a two-story office. The overall exterior height of the new building would be 49'-6", to the top of the parapet. Design elements and architecture features would include:

- Tilt-up panels to be painted in three different colors.
- Perforated metal panel shading device.
- Prefinished aluminum window frame and glazing.
- Prefinished metal canopy above entry.
- Prefinished aluminum curtain wall and glazing.
- Prefinished aluminum storefront and glazing.
- Roof mechanical screen.
- Spandrel glazing.
- Exterior wall-mounted building light fixtures.
- Cast-in-place concrete stairs.
- Access doors.
- Roll-up doors.

The Project plans display the exterior colors and materials used on the new industrial building (**Attachment 1, Exhibit D**). Additionally, the Project plans include a placeholder for a public art installation at the front (north) elevation of the new building that faces Central Avenue.

Detached Trash Enclosure

A new detached trash enclosure would be proposed along the southeastern side of the property. The new trash enclosure would be 10 feet tall. The exterior colors and materials of the new trash

enclosure would be similar to the new industrial building, which includes tilt-up concrete walls, perforated metal gate, corrugated metal roof, and a tube steel roof structure.

On-Site Improvements
The Project would include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, an employee open space area, site lighting, fencing, vehicular gates, a truck courtyard area, and a trailer storage area.

The new landscaping would include trees, shrubs, perennials, grasses, and ground cover plants (**Attachment 1, Exhibit D**). The applicant proposes to remove ten existing trees on the site to accommodate the new on-site improvements.

Two new driveways would be created along the front (northwestern) of the property to provide access to the site and parking areas (**Attachment 1, Exhibit D**). As indicated in the Transportation Impact Study, prepared by Kimley Horn dated May 2025, the driveway at the west of the Project site along Central Avenue would be for "*passenger car access only*". The driveway at the east of the Project site along Central Avenue would be for "*truck access only*" (**Attachment 1, Exhibit E**).

Pedestrian walkways would be provided along the parking areas, bicycle parking areas, and the new industrial building. Sidewalks would be proposed along the project frontage on Central Avenue. As part of the Planning Division's and Engineering Division's conditions of approval, the applicant would need to revise the Project plans to show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

New site lighting would also be provided along the perimeter of the property. The rear (eastern) of the property, behind the new industrial building, would consist of a truck courtyard area and trailer storage area. The Project would provide a total of 396 on-site parking spaces, which would meet the minimum required number of on-site parking spaces as outlined in Chapter 17.23 – Parking and Loading.

An employee open space area would be provided along the front of the new industrial building. The employee open space area would include an outdoor cooking area, table and seating area, hardscaping, and landscaping. A 6-foot-tall perforated metal panel steel frame fencing, painted cement board wall, and amenity entrance gates would be installed around the new employee open space area.

New fencing would be installed along the perimeter of the site, which includes:

- 3-foot-tall prefinished vertical tube steel fencing.
- 6-foot-tall prefinished vertical tube steel fencing.
- 6-foot-tall chain link fencing.
- 6-foot-tall combination retaining wall with chain-link fencing above.

The new chain-link fencing would be located along the back side and rear of the property, which would not be visible from Central Avenue. The Project plans show new chain link fencing along a portion of the front (southwestern) property line. As part of the Planning Division's conditions of approval, the applicant would need to revise the Project plans to remove the new chain link fencing along the front (southwestern) property line as part of the building permit submittal.

In addition to the new perimeter fencing, two new 6-foot-tall vehicle gates would be proposed. The new vehicle gates would be of tube steel material and would be installed along both sides of the property. Sheet CU-1.6 of the Project plans includes an illustration of the new fencing and vehicle gates (**Attachment 1, Exhibit D**).

Utilities and Easements
The Project would include the undergrounding of utilities, including tie-ins for stormwater, sewer, and water along Central Avenue.

New easements would be dedicated as part of the Project. Sheet EX2 of the Project Plans (**Attachment 1, Exhibit D**) shows the easements; however, the applicant will work with the City Engineer to ensure any other necessary easements are required for the Project to the satisfaction of the City Engineer. The City Engineer will review the dedicated easements for approval. As part of the Engineering Division's conditions of approval, the applicant would need to submit the Plat and Legal Descriptions for the dedicated easements to the City Engineer for review and approval. The proposed easements would include easements necessary for the future overpass project.

The City of Newark is in the process of developing plans to construct an overpass along Central Avenue above the Union Pacific Railroad and in front of the Project site. The overpass would extend across approximately 75% of the Project's frontage.

Conditional Use Permit
As proposed, the new industrial building is considered a speculative building with no tenants. The Project Narrative stated, *"Prologis, the Project Sponsor and Owner of the property, is proposing to demolish approximately 113,500 square feet of obsolete industrial buildings on site to construct a new industrial warehouse facility that can accommodate numerous uses that meet both the City and Prologis' interests"* (**Attachment 1, Exhibit C**). Advanced manufacturing uses and Research and development uses are also permitted uses in the GI Zoning District.

The applicant is proposing to include other potential uses to occupy the new industrial building, including an "indoor warehousing and storage" use and a "wholesaling and distribution" use. Pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use require approval of a Conditional Use Permit. Therefore, the applicant is requesting approval of a Conditional Use Permit to allow such uses.

Although there is currently no tenant to occupy the new industrial building, the Project would be consistent with the type of uses found in the GI Zoning District. A Transportation Impact Study has been prepared to determine potential Vehicle Miles Traveled (VMT) impacts and/or Level of Service (LOS) deficiencies associated with the Project (**Attachment 1, Exhibit E**) and is further explained in the Analysis/Discussion section of this report.

Overall, the Project would be compatible with the surrounding industrial uses in the nearby area.

Minor Use Permit
Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing in non-residential districts requires approval of a Minor Use Permit. The applicant is requesting approval of a Minor Use Permit to allow for an additional height increase to the new prefinished vertical tube steel

fencing to be 6 feet tall within the minimum required 10-foot front setback area. The new fencing would be located along the side (southern) property line adjacent to the Union Pacific Railroad.

To obtain approval of a Minor Use Permit, the additional fence height request would need to comply with the following material standards pursuant to NMC §17.17.040(A)(1)(a)(i)(3). Also, the additional fence height request would need to meet the required findings pursuant to NMC §17.17.040(A)(1)(a)(ii) and NMC §17.35.060.

Overall, the additional fence height request would comply with the fencing standards outlined in NMC §17.17.040 - Fences and Freestanding Walls, which include meeting the 6-foot height limitation and utilizing a tube steel material.

ANALYSIS/DISCUSSION

Generally, the General Industrial General Plan designation is intended to accommodate a broad range of manufacturing, warehousing, wholesaling, and distribution uses. This designation is implemented through the GI: General Industrial Zoning District.

The Project was reviewed under NMC Title 17 (Zoning) and complies with the applicable provisions of the Zoning Code, which include but are not limited to the height requirement, setback requirements, parking and loading requirements, and fencing requirements.

The Project is subject to the Design Review criteria specified in NMC §17.34.060, Conditional Use Permit findings specified in NMC §17.35.060, and Minor Use Permit findings specified in NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii). **Exhibit A** - Findings of Fact of the Draft Resolution (**Attachment 1**) includes responses to how the Project meets the required criteria and findings for the entitlements. Overall, the Project, if approved, enhances the site and is compatible with the characteristics of the surrounding areas. The new industrial building consists of contemporary design elements with high-quality materials and clean forms that create an attractive building within the site. The Project would be complementary to the site and would enhance the appearance and features of the surrounding natural and built environment.

Dock Doors

Since the Project consists of a speculative building with no tenant, Staff believes that it is necessary to address the proposed number of dock doors to ensure that the Planning Commission can make the necessary findings for approval. Specifically, a building with 46 dock doors may promote a "indoor warehousing and storage" use and a "wholesaling and distribution" use, rather than advance manufacturing and research and development uses. In response, the applicant provided a Conceptual Plan (Marketing Plan) showing 32 dock doors with two grade-level doors and 14 door knockouts, which Staff believes allows the Planning Commission to make the findings for approval (**Attachment 2**). As part of the Planning Division's conditions of approval, the applicant would need to revise the Project plans to show the 32 dock doors with two grade-level doors and 14 door knockouts as part of the building permit submittal. It should be noted that as part of the Planning Division's conditions of approval, any changes to the design of the new industrial building that include the conversion of the additional door knockouts to dock doors for an "indoor warehousing and storage" use and/or a "wholesaling and distribution" use would require Planning Commission review and approval.

Conditional Use Permit

As mentioned earlier in this report, the applicant has not identified a tenant to occupy the new industrial building. The applicant is requesting approval of a Conditional Use Permit for an "indoor warehousing and storage" use and a "wholesaling and distribution" use. The Project would be consistent with the type of uses found in the GI Zoning District. Therefore, the Project would be consistent with the Conditional Use Permit findings as further explained in **Attachment 1** of this report.

The applicant has submitted a Transportation Impact Study to analyze traffic impacts for the Project and for various industrial uses. The Transportation Impact Study has been prepared to determine potential Vehicle Miles Traveled (VMT) impacts and/or Level of Service (LOS) deficiencies associated with the Project (**Attachment 1, Exhibit E**). The Transportation Impact Study included analysis of, but not limited to, trip generation for trucks and vehicles, impacts, mitigations, deficiencies, and recommendations.

The Transportation Impact Study indicates that *"the project VMT/employee ratio (14.02) is expected to be lower than the threshold of significance ratio for VMT/employee (14.6) and as a result the project is determined to have a less than significant transportation impact"* (**Attachment 1, Exhibit E**).

As part of the Engineering Division's conditions of approval, the applicant would need to follow the mitigation measures specified in the Transportation Impact Study, which includes signal phasing to address the queuing deficiency at the northbound left lane at the Cherry Street and Central Avenue intersection.

Overall, the Project would be compatible with the surrounding industrial uses in the nearby area.

Parcel Map

The applicant will submit an application for a Parcel Map to merge the four parcels into one parcel for review and approval by the City Engineer, separately from the review of the requested entitlements. As part of the Engineering Division's conditions of approval, the Parcel Map to merge the four parcels into one would need to be recorded at the Alameda County Recorders' Office prior to issuance of the building permit.

Public Art and Signage

As part of the Planning Division's conditions of approval, the applicant would be required to work with Staff on the public art installation as part of the building permit submittal. The General Plan includes a policy to use public art to commemorate Newark's cultural diversity, history, and unique character. The public art installation would help enhance the aesthetics of the new industrial building since the site is along Central Avenue, an arterial road, and the future overpass project.

The applicant has submitted a Signage Package for the new building and site (**Attachment 4**). As part of the Planning Division's conditions of approval, the applicant would need to apply for a Sign Permit to the Planning Division for review and approval to demonstrate compliance with Chapter 17.25 – Signage Standards.

Based on Staff's analysis, the Design Review criteria, Conditional Use Permit findings, and Minor Use Permit findings for the Project can be made in the affirmative and are provided in **Attachment 1** of this report.

COMMUNITY MEETINGS

The applicant held two community meetings on the Project. Notices for the community meetings went out to property owners within a minimum 1,000-foot radius of the Project site and the homeowners' association in the Bayside Newark area.

The first meeting was held on December 18, 2023, at the Silliman Community Activity Center. No members of the public attended the meeting.

The other community meeting was held on January 21, 2025, at the Community Meeting Room in the Newark Library. The applicants' team, City Staff, and one member of the public attended the meeting. The applicants' team presented an overview of the Project. Prior to the meeting, Staff received written comments regarding sidewalk improvements along Central Avenue, the status and review of the California Environmental Quality Act (CEQA) analysis, and the timeframe and duration of construction.

PLANNING COMMISSION REVIEW

The entitlements for the Project include:

1. Design Review (DR2022-010) for the construction of a new industrial building and associated on-site improvements. Pursuant to NMC §17.34.020, Design Review is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area;

2. Conditional Use Permit (U2024-001) to allow for an "indoor warehousing and storage" use and a "wholesaling and distribution" use. Pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use require approval of a Conditional Use Permit; and

3. Minor Use Permit (MUP2024-001) to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area. Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing requires approval of a Minor Use Permit.

When conducting Design Review, the Planning Commission shall evaluate projects to ensure that they satisfy the criteria in NMC §17.34.060 to the extent that they apply. Also, the Planning Commission shall approve or conditionally approve the Conditional Use Permit request based on the findings required by NMC §17.35.060. Lastly, the Planning Commission shall approve or conditionally approve the Minor Use Permit request based on the findings required by NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii).

The inability to make one or more of the findings is grounds for denial of an application. Based on Staff's analysis, the Design Review criteria, Conditional Use Permit findings, and Minor Use Permit findings for the Project can be made in the affirmative and are provided in **Attachment 1** of this report.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Staff retained the consultant services of M-Group to determine if the Project is eligible for an

exemption under the California Environmental Quality Act (CEQA). The CEQA analysis prepared by M-Group, dated June 2025, in accordance with the CEQA Guidelines evaluates the environmental impacts from the Project, included as **Attachment 1**, **Exhibit E**. The analysis demonstrated that the Project is eligible for the following CEQA exemptions:

- ***Consistency with Program EIR.*** *The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the Project would not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2013 FEIR). No further environmental review is required.*

- ***Community Plan Exemption.*** *Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR. The Project is exempt from further CEQA review since it is consistent with the General Plan.*

As discussed in the analysis, the Project is within the scope of development projected under the General Plan for which an EIR was certified in 2013. The Project will implement applicable mitigation measures identified in the 2013 FEIR. In addition, the Project would be required to comply with applicable conditions of approval (**Attachment 1, Exhibit B**) and is subject to uniformly applied development standards. With implementation of required mitigation measures and conditions of approval, the Project would not result in a substantial increase in the severity or significant impacts that were previously identified in the program level EIR, nor would the Project introduce any new significant impacts that were not previously identified. Therefore, there would be no additional environmental impacts beyond those analyzed in the 2013 FEIR.

Overall, the Project is exempt from further environmental review pursuant to CEQA Guidelines §15168 and §15183 and California Public Resources Code §21083.3.

REQUIRED NOTICING

Pursuant to NMC §17.31.060, §17.34.070, and §17.35.050, on June 10, 2025, a public hearing notice was published in The Tri City Voice and mailed to all property owners (i.e., 70 property owners) within a minimum 1,000-foot radius of the Project site, all neighborhood and community organizations that have filed a written request for notice of projects in the area where the site is located, and all persons and groups who have filed a written request for notice regarding the specific application. The City has not received any written correspondence on this project as of the writing of this report. Any communications received prior to the public hearing will be forwarded to the Planning Commission and made available to the applicant and public.

PLANNING COMMISISON ACTION

Staff requests the Planning Commission to consider the following action:

1. Adopt the Draft Resolution, approving the Design Review (DR2022-010), Conditional Use Permit (U2024-001), and Minor Use Permit (MUP2024-001) for the Project based on the findings provided in **Attachment 1**, Draft Resolution.

Attachments

1. Draft Resolution
    - Exhibit A – Findings of Fact
    - Exhibit B – Conditions of Approval
    - Exhibit C – Project Narrative
    - Exhibit D – Project Plans
    - Exhibit E – CEQA Analysis
2. Conceptual Plan (Marketing Plan)
3. Fire Truck Exhibit
4. Signage Package

RESOLUTION NO. _____

RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF NEWARK APPROVING DR2022-010, U2024-001, AND MUP2024-001, A DESIGN REVIEW, CONDITIONAL USE PERMIT, AND MINOR USE PERMIT FOR A NEW INDUSTRIAL BUILDING AND ASSOCIATED ON-SITE IMPROVEMENTS AT 6756 – 6792 CENTRAL AVENUE (APN: 92A-2165-14, -15, -16, AND -17)

WHEREAS, Ryan Marshall, (the "Applicant") and Prologis LP (the "Property Owner"), filed with the City of Newark an application for a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17) (the "Project"); and

WHEREAS, the property at 6756 – 6792 Central Avenue (the "Project site") has a combined lot size of approximately 756,061 square feet (17.4 acres) and has a General Plan Land-Use designation of General Industrial and is currently zoned GI: General Industrial; and

WHEREAS, the Applicant and Property Owner seek a Design Review, which pursuant to Newark Municipal Code (NMC) §17.34.020 is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area. Approval of the Design Review requires the Project to meet the Design Review criteria pursuant to NMC §17.34.060 to the extent that they apply; and

WHEREAS, the Applicant and Property Owner seek a Conditional Use Permit, which pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use requires approval of a Conditional Use Permit. Approval of the Conditional Use Permit requires the Project to meet all the following Use Permit findings pursuant to NMC §17.35.060; and

WHEREAS, the Applicant and Property Owner seek a Minor Use Permit, which pursuant to NMC §17.17.040(A)(2), an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area requires approval of a Minor Use Permit. Approval of the Minor Permit requires the Project to meet all the following Minor Use Permit findings pursuant to NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii); and

WHEREAS, a California Environmental Quality Act (the "CEQA") analysis was prepared as set forth in **Exhibit E** to evaluate the environmental impacts of the Project in accordance with the CEQA Guidelines. With implementation of the applicable mitigation measures identified in the Final Environmental Impact Report (FEIR) for the 2013 General Plan and conditions of approval as set forth in **Exhibit B**, the CEQA analysis determined and demonstrated that the Project is exempt from further environmental review pursuant to CEQA Guidelines Sections 15168 and 15183 and California Public Resources Code Section 21083.3 because the level of

development proposed is within the development assumptions analyzed in the FEIR and the Project is consistent with the General Plan; and

WHEREAS, pursuant to NMC §17.31.060, §17.34.070, and §17.35.050, a public hearing notice was published in The Tri City Voice on June 10, 2025 and mailed as required for a public hearing, and the Planning Commission held a meeting on said application at 7:00 p.m. on June 24, 2025; and

WHEREAS, the Planning Commission held a public hearing on June 24, 2025, and fully considered the Project, entitlements, staff report, findings of fact, conditions of approval, public comments, and all other testimony and evidence presented at the public hearing; and

WHEREAS, the Planning Commission finds that the staff report, exemptions from CEQA, and standards for approval reflect the City's independent judgement and analysis of the Project; and

WHEREAS, the Planning Commission finds that the Project conforms with the City's General Plan and Zoning Code for which are incorporated herein by reference and are available for review at City Hall during normal business hours and on the City's website; and

WHEREAS, the Planning Commission finds that the Project satisfies the requisite findings of fact necessary for approval of the Design Review, Conditional Use Permit, and Minor Use Permit as further explained in the staff report and the findings of fact associated with this Resolution, as identified in "Exhibit A" attached to this Resolution.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Newark as follows:

Section 1. That the forgoing recitals are true and correct and made part of this Resolution.

Section 2. That the Planning Commission hereby makes the necessary findings and determinations required by the NMC to approve the requested Design Review, Conditional Use Permit, and Minor Use Permit for the Project, as further explained in the staff report and findings of fact for approval as set forth in "Exhibit A" attached hereto and incorporated herein by this reference.

Section 3. Based on the findings and determinations, the Planning Commission hereby approves DR2022-010, U2024-001, and MUP2024-001, a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17), subject to the Conditions of Approval, as further set forth in "Exhibit B" attached hereto and incorporated herein by this reference.

This Resolution was introduced at the City of Newark Planning Commission's June 24, 2025 regular meeting by Commissioner _____, seconded by Commissioner _____, and passed as follows:

AYES:

NOES:

ABSENT:

STEVEN TURNER, Secretary	LORI BOGISICH, Chairperson

Attachments
Exhibit A – Findings of Fact
Exhibit B – Conditions of Approval
Exhibit C – Project Narrative
Exhibit D – Project Plans
Exhibit E – CEQA Analysis

Exhibit A

FINDINGS OF FACT

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Design Review Criteria (Newark Municipal Code [NMC] §17.34.060)

A. The overall design of the project including its scale, massing, site plan, exterior design, and landscaping will enhance the appearance and features of the project site and surrounding natural and built environment.

The Project consists of a new industrial building and associated on-site improvements at the site located at 6756 – 6792 Central Avenue. The new industrial building will consist of a contemporary style design that will provide a variety architectural features, design elements, colors, and materials. The height of the new building will be 49'-6", measured from grade to the top of the parapet.

The new on-site improvements, which include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, employee open space area, site lighting, fencing, vehicular gates, truck courtyard area, and trailer storage area, will complement the architecture of the new industrial building. The Project will enhance the site and will be compatible with the characteristics of the surrounding environment. Additionally, the Project will respect the surrounding development pattern. Overall, the Project's design will be complementary to the area.

This finding can be made in the affirmative.

B. The project design is appropriate to the function of the project and will provide an attractive and comfortable environment for occupants, visitors, and the general community.

As proposed, the new industrial building is considered a speculative building with no tenants. The Project Narrative stated, "Prologis, the Project Sponsor and Owner of the property, is proposing to demolish approximately 113,500 square feet of obsolete industrial buildings on site to construct a new industrial warehouse facility that can accommodate numerous uses that meet both the City and Prologis' interests". This includes advanced manufacturing uses and research and development uses, which are permitted uses in the GI Zoning District.

The Project was carefully designed to ensure compatibility with and complement the site and surrounding areas while providing a comfortable environment for occupants, visitors, and the general community. The Project will be attractive and appropriate for the neighborhood. Therefore, the proposed improvements are suitable in a manner that respects the general character of the neighborhood.

This finding can be made in the affirmative.

C. Project details, materials, signage and landscaping, are internally consistent, fully integrated with one another, and used in a manner that is visually consistent with the proposed architectural design.

The Project is suitable for the site and compatible with the existing site conditions. The application of high-quality and complementary materials and the color palette help distinguish the different areas of the building. The new industrial building and on-site improvements will fully integrate with each other and contribute positively to the site and neighborhood. Overall, the Project incorporates design elements that relate to each other and lend integrity and balance to the site.

This finding can be made in the affirmative.

D. The design of streetscapes, including street trees, lighting, and pedestrian furniture, is consistent with the intended character of the area.

The Project consists of improvements to the site and the streetscape, which includes the driveway curb cuts and landscape areas at the front of the property along Central Avenue. Currently, there are no sidewalks at the front of the property along Central Avenue. However, sidewalks will be proposed along the project frontage on Central Avenue. As part of the Planning Division's and Engineering Division's conditions of approval, the applicant will revise the Project plans to show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

Overall, the improvements complements the new industrial building and responds to the intended character of the area.

This finding can be made in the affirmative.

E. Parking areas are designed and developed to buffer surrounding land uses; compliment pedestrian-oriented development; enhance the environmental quality of the site, including minimizing stormwater run-off and the heat-island effect; and achieve a safe, efficient, and harmonious development.

The new on-site improvements, which include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, employee open space area, site lighting, fencing, vehicular gates, truck courtyard area, and trailer storage area will be designed to be harmonious with the site. The Project will provide a total of 396 on-site parking spaces, which meets the minimum required number of on-site parking spaces per the Zoning Code.

The Project will enhance the environmental quality of the site by including new bioretention areas for storm-water purposes. Also, the addition of the new landscape areas will address the heat island effect while enhancing the overall appearance of the site. Overall, the Project will be designed to achieve a safe, efficient, and harmonious development.

This finding can be made in the affirmative.

F. Lighting and lighting fixtures are designed to complement buildings, be of appropriate scale, provide adequate light over walkways and parking areas to create a sense of pedestrian safety, and avoid creating glare.

The Project proposes new exterior light fixtures around the building and site. The proposed exterior light fixtures will comply with NMC §17.17.060. Any other lighting not covered under this design review entitlement is subject to regulations specified in NMC §17.17.060 - Lighting and Illumination.

This finding can be made in the affirmative.

G. Landscaping is designed to be compatible with and enhance the architectural character and features of the buildings on site and help relate the building to the surrounding landscape.

The Project proposes new landscaping on site. The new landscaping will be designed to be compatible with and enhance the architectural character and features of the site. The Project has been conditioned to require all landscaping to be maintained in healthy growing condition and that plantings be replaced with other plant materials to ensure continued compliance with the applicable landscaping regulations in NMC Chapter 17.21.

This finding can be made in the affirmative.

Conditional Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

The Project requires approval of a Conditional Use Permit to allow for an "indoor warehousing and storage" use and a "wholesaling and distribution" use in the GI Zoning District. The Project has been evaluated and will be substantially in compliance with the applicable provisions of the Zoning Code. Additionally, the Project has been found to be consistent with the type of uses found in the GI Zoning District and will be compatible with the surrounding industrial uses in the nearby area.

This finding can be made in the affirmative.

B. The proposed use is consistent with the general plan and any applicable specific plan.

The Project site has a General Plan Land Use designation of General Industrial. The Project will be consistent with many of Newark's General Plan policies including, but not limited to:

- ***Policy LU-1.5 -** Technology Focus. Promote the city as a good location for technology businesses and clean industry, capitalizing on Newark's location within Silicon Valley.*

- ***Policy LU-1.17** - Sustainable Development Emphasis. Ensure that new development incorporates green building and sustainable design principles and encourage renovation of existing development to use water and energy more efficiently.*

- ***Policy ED-3.1*** *- Industrial Land Supply. Maintain a sufficient supply of land for office and industrial uses to generate high quality, high paying jobs and to meet the city's economic development goals. Focus office and industrial development on technology uses and other activities that will generate high wage employment.*

- ***Policy ED-3.7 -*** *Industrial Redevelopment. Encourage property owners to redevelop industrial sites and buildings when the proposed redevelopment will generate high-quality and high-paying jobs. Likewise, support the refurbishing of such spaces for continued use as general industrial properties.*

- ***Policy ED-4.4*** *- Affordable Industrial Space. Continue to support and foster the growth of general industrial uses, such as warehouse and distribution centers and manufacturing, in the Cherry Street and Central Avenue corridors and other areas designated for "General Industrial" uses on the Land Use Diagram.*

This finding can be made in the affirmative.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

As proposed, the new industrial building is considered a speculative building with no tenants. The Project will not be adverse to the public health, safety, or general welfare of the community or surrounding properties in that the Project site is mainly surrounded by industrial uses.

This finding can be made in the affirmative.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

The Project would replace an existing warehouse building and uncovered storage yards, which is anticipated to be assessed with a higher property tax base for the property. As proposed, the new industrial building is considered a speculative building with no tenants. The Applicant has presented to Staff a Fiscal Analysis of the Project. Based on that Analysis and depending on the use that occupies the building, it is anticipated that the Project will exceed the cost of City services.

This finding can be made in the affirmative.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

The proposed "indoor warehousing and storage" use and "wholesaling and distribution" use is allowed with the approval of a Conditional Use Permit under the GI Zoning District. The

Project adheres to the development standards within the GI Zoning District, such as setbacks, height, and parking requirements. The new building's contemporary style design is compatible with the adjacent buildings and does not appear to have a negative effect on the adjacent properties or the surrounding area. Overall, the Project will comply with the development standards applicable to the Zoning District.

This finding can be made in the affirmative.

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

The Project's contemporary style design will be compatible with the surrounding area. As conditioned, the Project will not interfere with operations/businesses in this zone. Also, the Project will not deviate from the intent of district's development standards. Therefore, the design, location, size, and operating characteristics of the Project will be compatible with the existing and foreseeable future land uses in the vicinity.

This finding can be made in the affirmative.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

The Project site will be suitable to accommodate the Project as it will provide upgrades to the existing site conditions. The Project will enhance the overall appearance of the site, while respecting the surrounding development pattern. The Project will continue to provide access and utilities on the site.

This finding can be made in the affirmative.

Minor Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

The maximum height for fencing within the required front setback area is 3 feet. Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing in non-residential districts requires approval of a Minor Use Permit. The Applicant requests approval of a Minor Use Permit to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet within the minimum required 10-foot front setback area.

The Project will be in compliance with the applicable provisions of Title 17 – Zoning, which includes meeting the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). Overall, the Project has been evaluated and will be substantially in compliance with the applicable provisions of the Zoning Code.

This finding can be made in the affirmative.

B. The proposed use is consistent with the general plan and any applicable specific plan.

The Project site has a General Plan Land Use designation of General Industrial. The Project is consistent with the general plan. The additional height to the fence will allow for the new industrial building's occupants to operate safely. Additionally, the Project will not alter the respective land-use designation.

This finding can be made in the affirmative.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

The Project includes an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet in the minimum 10-foot front setback area. The location of the new fencing will be adjacent to the Union Pacific Railroad. The Project will not detract from the overall appearance of the neighborhood. Overall, the Project will not be adverse to the public health, safety, or general welfare of the community nor detrimental to surrounding properties or improvements.

This finding can be made in the affirmative.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

The additional height increase to the new prefinished vertical tube steel fencing will not materially impact the City's tax revenue, nor will it additionally strain City services. The Project, in total, would replace an existing warehouse building and uncovered storage yards, which is anticipated to be assessed with a higher property tax base for the property.

This finding can be made in the affirmative.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

The additional height increase to the new fencing is allowed subject to meeting the applicable provisions of Title 17 – Zoning, which includes meeting the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). The new fencing is 6 feet in height and consist of a prefinished vertical tube steel material. Overall, the Project will comply with the development standards applicable to the Zoning District. The Project's design will be complementary to the area and does not appear to have a negative effect on the adjacent properties nor the surrounding area.

This finding can be made in the affirmative.

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

The additional height increase to the new fencing will not interfere with the other industrial uses in this zone. Additionally, the Project will not deviate from the intent of district's development standards. Therefore, the design of the Project will be compatible with the existing and foreseeable future land uses in the vicinity.

This finding can be made in the affirmative.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

The Project site and the additional height increase to the new fencing will be suitable to accommodate the Project as it will upgrade the existing site conditions. The Project will enhance the overall appearance of the site, while respecting the surrounding development pattern. The Project will continue to provide access and utilities on the site.

This finding can be made in the affirmative.

Minor Use Permit Findings for Additional Fence Height (NMC §17.17.040(A)(1)(a)(ii))

A. The additional fence height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

The Project includes an additional height increase to the new fencing to be 6 feet in the minimum 10-foot front setback area. The additional height increase will consist of a prefinished vertical tube steel material that meets the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). The Project site is not abutting residential structures. The location of the new fencing will be adjacent to the Union Pacific Railroad. Therefore, the additional height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

This finding can be made in the affirmative.

B. The additional fence height will not detract from the overall appearance of the neighborhood.

The additional height to the new fencing will be a prefinished vertical tube steel fencing material. The location of the new fencing will be adjacent to the Union Pacific Railroad. The design of the new fencing will allow for the Project to be seamlessly integrated into the neighborhood. Therefore, the additional height will not detract from the overall appearance of the neighborhood.

This finding can be made in the affirmative.

C. The additional fence height is not detrimental to the health, safety, and welfare of people living in the neighborhood.

The additional height of the new fencing will be consistent with the height of the other new fencing that is located adjacent to the Union Pacific Railroad. The new fencing will be of an aesthetically pleasing design that blends in with the property and surrounding area. Additionally, there is no evidence to suggest that the additional height will cause any harm to the community. Therefore, the additional height will not be detrimental to the health, safety, and welfare of people living in the neighborhood.

This finding can be made in the affirmative.

California Environmental Quality Act (CEQA) Categorical Exemption Findings

The Project is eligible for the following CEQA exemptions:

- ***Consistency with Program EIR.*** *The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the Project would not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2013 FEIR). No further environmental review is required.*

- ***Community Plan Exemption.*** *Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR. The Project is exempt from further CEQA review since it is consistent with the General Plan.*

The Project is within the scope of development projected under the General Plan for which an EIR was certified in 2013. The Project will implement applicable mitigation measures identified in the 2013 FEIR. In addition, the Project will be required to comply with applicable conditions of approval (**Attachment 1, Exhibit B**) and is subject to uniformly applied development standards. With implementation of required mitigation measures and conditions of approval, the Project will not result in a substantial increase in the severity or significant impacts that were previously identified in the program level EIR, nor will the Project introduce any new significant impacts that were not previously identified. Therefore, there will be no additional environmental impacts beyond those analyzed in the 2013 FEIR.

Exhibit B

CONDITIONS OF APPROVAL

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Planning Division

a. A building permit shall be required prior to the construction of the Project. The building permit plans shall be substantially consistent with the approved plans (see **Attachment 1, Exhibit D**), or as otherwise required by these conditions of approval.

b. These conditions of approval shall be printed on the building-permit drawings associated with this Project.

c. A Planning Final shall be required prior to the Final Building Inspection.

d. The applicant/property owner/business operator/developer shall comply with any and all applicable federal, state, or local laws and regulations.

e. The building permit plans shall demonstrate compliance with the enclosure pad, bumpers, clear zone, and drainage requirements for the trash enclosure as outlined in NMC §17.17.120(B)(2).

f. Any revisions to the proposed garbage, refuse and recycling service pick up plan shall require review and approval by Republic Services and the Community Development Director, prior to the issuance of a building permit. No refuse, garbage or recycling shall be stored outdoors except within the approved trash enclosure.

g. The building permit plans shall show the removal of the new chain link fencing along the front (southwestern) property line as part of the building permit submittal.

h. The building permit plans shall show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

i. The Landscape Plans (Sheet LC1.1) shall show the correct design of the driveway curb cuts.

j. The building permit plans shall show the 32 dock doors with two grade-level doors and 14 door knockouts.

k. Any proposed changes to the design of the new industrial building that include the conversion of the additional door knockouts to dock doors for an "indoor warehousing and storage" use and/or a "wholesaling and distribution" use shall require Planning Commission review and approval.

l. All other proposed changes from approved exhibits shall be submitted to the Community

Development Director who shall decide if they warrant Planning Commission review and, if so decided, said changes shall be submitted for the Commission's review and decision. The applicant and/or property owner shall pay the prevailing fee for each additional separate submittal of project exhibits requiring Planning Commission and/or City Council review and approval.

m. Prior to the issuance of a Certificate of Occupancy, the parking areas, aisles and access drives shall be installed and striped as shown on the approved site plan.

n. If any of the conditions of approval are not incompliance and/or have been substantially expanded beyond the Project's approval regarding parking, on-site circulation and/or traffic , the Community Development Director shall review and decide how to mitigate those issues. A parking, on-site circulation and/or traffic analysis shall be prepared at the discretion of the Community Development Director and the cost of the applicant and/or property owners. The applicant and/or property owners shall mitigate any issues identified by the parking, on-site circulation and/or traffic study. If the applicant does not mitigate these issues, the entitlements may be referred to the Planning Commission for determination if the entitlements are to be revoked.

o. Parking lot cleaning with sweeping or vacuum equipment shall not be permitted between 7:00 p.m. and 7:00 a.m.

p. All landscaping shall be maintained in healthy growing condition. Wherever necessary, plantings shall be replaced with other plant materials to ensure continued compliance with the applicable landscaping regulations in NMC Chapter 17.21.

q. All exterior utility pipes and meters shall be painted to match and/or complement the color of the adjoining building surface, as approved by the Community Development Director.

r. All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 - Lighting and Illumination. All exterior lighting shall be directed on-site so as not to create glare off-site.

s. All mechanical and electrical equipment (e.g., transformer, generator, roof equipment, etc.) shall meet the screening requirements in NMC §17.17.100 - Screening. Mechanical and electrical equipment such as air conditioners (AC) units shall not be placed in the front or street side yard. If equipment is placed in any other location that makes it visible to public view, the equipment shall be properly screened with solid material pursuant to the regulations in NMC §17.17.100 - Screening.

t. The Project shall comply with all applicable noise standards in the NMC and General Plan, including, but not limited to NMC §17.24.100 - Noise. This includes all mechanical and electrical equipment.

u. All construction noise activity shall abide by NMC §17.24.100 - Noise.

v. Construction equipment, including compressors, generators and mobile equipment shall be

fitted with heavy-duty mufflers designed to reduce noise impacts.

w. The Project shall comply with the conditions outlined in the Acoustical Assessment prepared by Kimly Horn dated December 2023, or as amended.

x. The Project shall implement the Project Design Features from the Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis prepared by FirstCarbon Solutions dated July 19, 2024, or as amended, which includes:

PDF AIR-1 Prohibition of Cold Storage Use and Transport Refrigeration Units
The project operation would address any potential Transport Refrigeration Unit usage by requiring the following:

- Contractual language in all tenant lease agreements that will prohibit tenants from operating Transport Refrigeration Units (TRUs) within the project site.
- Requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.
- The application of any future requests for cold storage and associated TRU usage to include an analysis which requires the modeling and a Health Risk Assessment of air toxic contaminants emitted from operation of these TRUs. The results of such analysis must demonstrate that the operation of TRUs would not result in a significant health impact as defined by BAAQMD thresholds.

PDF AIR-2 All-Electric Design

- Prior to issuance of building permits, the project applicant shall provide documentation (e.g., site plan) to the City to demonstrate that the proposed industrial development does not include natural gas appliances or natural gas plumbing.

PDF AIR-3 Use of Tier 4 Construction Equipment

- Prior to the issuance of any demolition, grading, or building permits (whichever occurs earliest), the project applicant and/or construction contractor shall prepare a construction operations plan that, during construction activities, requires all off-road equipment with engines greater than 50 horsepower to meet particulate matter emissions standards for Tier 4 Interim engines at the minimum. The construction contractor shall maintain records documenting its efforts to comply with this requirement, including equipment lists. Off-road equipment descriptions and information shall include, but are not limited to, equipment type, equipment manufacturer, equipment identification number, engine model year, engine certification (Tier rating), horsepower, and engine serial number. The project applicant and/or construction contractor shall submit the construction operations plan and records of compliance to the City

y. Prior to the installation of any signage, the applicant and/or property owners shall submit a

Sign Permit Application to the Planning Division for review and approval. Signage, including freestanding signs and wall signs, shall comply with Chapter 17.25 – Signage Standards.

z. Prior to the issuance of grading and site work permit(s), mailbox locations and designs shall be approved by the Community Development Director and Newark Postmaster, in that order.

aa. Prior to issuance of a grading permit, the applicant shall hire a qualified biologist to: (1) determine if occupied Burrowing Owl habitat(s) exist on the site, and (2) implement a plan to protect the owls and to excavate the site around any active burrows using hand tools to assure that the owls are not buried during grading in the event Burrowing Owl habitat(s) is found on the site. The occupied Burrowing Owl habitat(s), if found, shall not be disturbed during the nesting season. The Burrowing Owl study shall be conducted not more than 30 days prior to the time site grading activities will commence.

bb. The site and its improvements shall be maintained in a neat and presentable condition, to the satisfaction of the Community Development Director. This shall include, but not limited to, repainting surfaces damaged by graffiti, site clean-up, and maintenance of the landscaping areas. Graffiti removal/repainting, site clean-up, and maintenance of the landscaping areas shall occur on a continuing, as needed basis.

cc. Construction site trailers and buildings located on-site shall be used for office and storage purposes only and shall not be used for living or sleeping quarters. Any vehicle or portable building brought on the site during construction shall remain graffiti free.

dd. Prior to the issuance of a building permit, the applicant, property owners, and/or developer shall pay the City's impact fees in effect as well as the Community Development Maintenance Fee. The impact fees shall be based on the new building square footage for the Project.

ee. The applicant shall work with the City on the public art installation for the Project as part of the building permit submittal. The Project shall be waived from paying the Art in Public Places and Private Development fee if public art is installed.

ff. The Project sponsor shall require construction contractors to implement the following applicable BAAQMD Basic Construction Mitigation Measures to reduce emissions of fugitive dust and equipment exhaust.

gg. Measures to respond to and track complaints pertaining to construction noise shall include: (1) a procedure and phone numbers for notifying the City of Newark Building Inspection Division and Newark Police Department (during regular construction hours and off-hours); and (2) a sign posted on-site pertaining to the permitted construction days and hours and complaint procedures and who to notify in the event of a problem. The sign shall also include a listing of both the City and construction contractor's telephone numbers (during regular construction hours and off-hours).

hh. During project construction, if historic, archeological or Native American materials or artifacts are identified, work within a 50-foot radius of such find shall cease and the City shall retain

the services of a qualified archeologist and/or paleontologist to assess the significance of the find. If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources or similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, the County Coroner shall be contacted immediately, and the provisions of State law carried out.

ii. The City of Newark and its agents, officers, and employees shall be defended, indemnified, and held harmless from any claim, action or proceedings against the City, or its agents, officers, and employees to attach, set aside, void, or annul the approval of this application or the environmental determination which accompanies it, or which otherwise arises out of or in connection with the City's action on this application, including but not limited to, damages, costs, expenses, attorney's fees, or expert witness fees.

jj. The Community Development Director shall interpret applicable requirements in the event of any redundancy or conflict in conditions of approval.

kk. The Community Development Director shall have the right to modify or terminate this Design Review, Conditional Use Permit, and Minor Use Permit at any time if any of the terms of such permit or the conditions of approval for said permit are violated, or for other good cause deemed necessary to maintain or improve the public right-of-way or to preserve and protect the health, safety, and welfare of the public.

ll. If any condition of the entitlements be declared invalid or unenforceable by a court of competent jurisdiction, the entitlements shall terminate and be of no force and effect, at the election of the Planning Commission and/or City Council on motion.

mm. The applicant hereby agrees to defend, indemnify, and save harmless the City of Newark, its Council, boards, commissions, officers, employees and agents, from and against any and all claims, suits, actions, liability, loss, damage, expense, cost (including, without limitation, attorneys' fees, costs and fees of litigation) of every nature, kind or description, which may be brought by a third party against, or suffered or sustained by, the City of Newark, its Council, boards, commissions, officers, employees or agents to challenge or void the permit granted herein or any California Environmental Quality Act determinations related thereto.

nn. In the event that any person should bring an action to attack, set aside, void or annul the City's approval of this project, the applicant shall defend, indemnify and hold harmless the City and/or its agents, officers and employees from any claim, action, or proceeding against the City and/or its agents, officers and employees with counsel selected by the applicant (which shall be the same counsel used by applicant) and reasonably approved by the City. Applicant's obligation to defend, indemnify and hold harmless the City and/or its agents, officers and employees shall be subject to the City's compliance with Government Code Section 66474.9.

oo. The Conditions of Project Approval set forth herein may include certain fees, dedication requirements, reservation requirements and other exactions. Pursuant to Government Code

Section 66020(d)(1), these Conditions constitute written notice of a statement of the amount of such fees, and a description of the dedications, reservations and other exactions. The applicant is hereby further notified that the 90-day approval period in which the applicant may protest these fees, dedications, reservations and other exactions, pursuant to Government Code Section 66020(a), has begun. If the applicant fails to file a protest within this 90-day period complying with all of the requirements of Section 66020, the applicant will be legally barred from later challenging such exactions.

pp. Per NMC §17.31.130, the approval or conditional approval of the Design Review, Conditional Use Permit, and Minor Use Permit shall expire three years from the date the Design Review, Conditional Use Permit, and Minor Use Permit was approved or conditionally approved if it is not exercised or extended within three years of its approval. Additionally, any other permit granted under NMC Title 17 - Zoning, shall automatically expire if it is not exercised or extended within two years of its approval, unless a different time period is specified.

Engineering Division

qq. SUBDIVISION MAPS: The subdivision of land is governed by Newark Municipal Code Title 16, as well as the California Government Code §§66410-66499.85 (Subdivision Map Act). All maps are subject to review and approval by the City Engineer. Recordation of the subdivision map shall be coordinated by the applicant's title company, with one full-sized mylar copy of the recorded map returned to the City.

1. Prior to building permit issuance, the parcel map to merge the four individual parcels into one shall be recorded at the Alameda County Recorders' Office.
2. Coinciding with the Planning Commission's approval of the entitlements, the applicant shall execute the encumbrance documents as listed below, and submit them to the City for review and final execution within ten (10) working days following the expiration of the appeal period. If the project is appealed and requires City Council action on the entitlements, the documents shall be executed and submitted to the City for review and approval within ten (10) working days following City Council approval.

   Upon execution by the City, the documents shall be recorded with the Alameda County Recorder's Office. Exhibit EX-2 shows the conceptual layout of the easements, and the actual dimensions and easements shall be to the satisfaction of the City Engineer.

   i. 14-foot-wide Landscape Easement
   ii. 10-foot-wide Public Service Easement along the project frontage up to the limits of the future Central Avenue overpass improvements where a grade difference between Central Avenue and project site.
   iii. 30-foot-wide Alameda County Water District (ACWD) Waterline Easement as shown on the Exhibit EX-2.
   iv. 30-foot-wide Access Easement to the satisfaction of ACWD.
   v. Three ACWD water lateral easements connecting Central Avenue and the 30-foot-wide Waterline Easement to the satisfaction of ACWD.

vi. ACWD water lateral easement extending southeast direction from the 30-foot-wide ACWD Waterline Easement to the satisfaction of ACWD.
vii. 10-foot-wide Sidewalk and Maintenance Easement to the satisfaction of the City Engineer.
viii. Emergency Vehicle Access Easement as required to the satisfaction of Alameda County Fire Department.
ix. Temporary Construction Easement (TCE) A and TCE B to the satisfaction of the City Engineer.
x. Complete relinquishment of abutter's rights over the frontage of APNs 92A-2165-17 and 92A-2165-16, and a partial relinquishment of abutter's rights over the frontage of APNs 92A-2165-15 and 92A-2165-14 to the satisfaction of the City Engineer.
xi. Reciprocal access, Private Utility Easement, Private Stormdrain Easement, Emergency Vehicle Access Easement (EVAE), Public Utility Easement (PUE), Public Storm Drain Easement, parking easements shall be established in favor of APNs 92A-2165-17 and 92A-2165-16 over APNs 92A-2165-15 and 92A-2165-14, as determined by the final design and to the satisfaction of the City Engineer. This requirement is necessary because the lots will not be merged until the Parcel Map is recorded. Additionally, the complete relinquishment of abutter's rights over the frontage of APNs 92A-2165-17 and 92A-2165-16, and a partial relinquishment of abutter's rights over the frontage of APNs 92A-2165-15 and 92A-2165-14, shall coincide with the Planning Commission's approval of the Entitlements.

3. Concurrent with approval of the Parcel Map, the applicant shall effectuate the removal of any existing easements encumbering the property that conflict with areas proposed for improvement. Elimination or modification of existing easements on the site requires approval from the respective utility district or company and the City of Newark. Easement modifications and removals shall be performed with the Parcel Map.
4. Along with the Parcel Map application, a complete improvement plan set shall be submitted to the Engineering Division for review and approval to ensure conformance with relevant codes, policies, and other requirements of the Newark Municipal Code and City of Newark Street improvement standards. These plans shall be prepared by a qualified person licensed by the State of California to do such work. The plans shall be drawn to an appropriate scale as required by the City Engineer.

rr. SUBDIVISION IMPROVEMENT AGREEMENT: Prior to approval of the parcel map, the applicant shall enter into a Subdivision Improvement Agreement with the City and guarantee all necessary public and private street improvements and other common area improvements within the subdivision and beyond the map boundary in accordance with the improvement plans to be approved by the City Engineer. The agreement requires the applicant to post financial security in the form of either a cash deposit, letter of credit, or surety bonds in amounts equivalent to the value of the public improvements. If surety bonds are utilized, the amounts of the bonds shall be 100% of the total estimated value of the public improvements consistent with the City of Newark Municipal Code. In addition, the City requires a warranty bond (often referred to as a maintenance bond) for 20% of the estimated value. The warranty period shall be active for no less than one-Calander year following formal acceptance of the improvements. The warranty bond may be released by the City Engineer upon completion of

the warranty period and correction of all warranty items to the satisfaction of the City Engineer. All submitted securities are subject to review and approval by the City Attorney.

ss. SIDEWALK IMPROVEMENTS: The project is responsible for constructing a six-foot-wide meandering sidewalk along the property frontage on Central Avenue, connecting to the adjacent northeast property, consistent with the City of Newark Standard Details. The precise alignment and limits of the sidewalk shall be shown on the improvement plans and are subject to approval by the City Engineer prior to recordation of the Parcel Map.

The City Engineer reserves the right to waive this sidewalk construction requirement. Any waiver of this requirement will be communicated in writing to the applicant.

tt. GEOTECHNICAL RECOMMENDATIONS:

1. Submit a Geotechnical Report that shall address in-situ and import soils in accordance with the City of Newark Grading and Excavation Ordinance, Chapter 15.50. This report shall include recommendations regarding pavement sections. Grading operations shall be in accordance with recommendations contained in the soils report and shall be completed under the supervision of an engineer registered in the State of California to do such work.
2. Additional Geotech Investigation Report peer review by the City's consultant to verify the targeted static and seismic induced settlement reductions shall be required to be performed prior to the issuance of the building permit. Ground improvement methods, if proposed, may require coordination and approval from Alameda County Water District. The applicant shall pay for costs associated with the Geotechnical peer review and/or inspections per the City's Master Fee Schedule.
3. Prior to Grading Permit and Building Permit issuance, recommendations from the project's geotechnical investigation, as prepared by a California-licensed Geotechnical Engineer or Certified Engineering Geologist, shall be incorporated into the design of the improvements and/or explicitly noted on the plans. The author(s) of the geotechnical investigation shall certify on the plans that the designs comply with their recommendations. During construction, the applicant shall follow all recommendations.
4. The applicant's geotechnical consultant shall inspect, test (as needed), and approve all geotechnical aspects of the project construction. The inspections shall include, but not necessarily be limited to: site preparation and grading, site surface and subsurface drainage improvements, and excavations for foundations prior to the placement of steel and concrete. The results of these inspections and the as-built conditions of the project shall be described by the geotechnical consultant in a letter and submitted to the City Engineer for review and approval prior to project final acceptance.

uu. CONSTRUCTION GENERAL PERMIT: This application is subject to a Construction General Permit according to the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002. Prior to the issuance of a grading permit or a building permit, the Waste Dischargers Identification (WDID) number shall be printed on the plans to provide evidence that the proposed site development work is covered by said General Permit for any Construction Activity. The applicant will be required to register the project with the State Water Board's Stormwater Multi-Application and Report Tracking System (SMARTS) website. A Qualified SWPPP Developer (QSD) and a Qualified SWPPP Practitioner (QSP)

shall be responsible for permit compliance. In addition, the grading plans need to state: "All grading work shall be done in accordance with the approved Storm Water Pollution Prevention Plan prepared by the developer pursuant to the Notice of Intent on file with the State Water Resources Control Board."

vv. CLEAN WATER PROGRAM (LARGE PROJECTS):

1. Because the project creates and/or replaces more than 5,000 square feet of impervious surface, it is considered a Regulated Project according to Provision C.3.b of the Municipal Regional Stormwater NPDES Permit that regulates stormwater runoff in Alameda County. The Alameda Countywide Clean Water Program developed a C.3 Guidance Manual to assist applicants in addressing these regulations. The Guidance Manual is available for download at:

   https://cleanwaterprogram.org/businesses/development/

   Regulated projects shall include stormwater treatment measures in the site design to remove pollutants from stormwater upstream of any connection to the City's or Alameda County's stormwater conveyance networks. In addition, regulated projects shall be subject to a Stormwater Treatment Measure Maintenance Agreement between the City and property owner to assure long-term maintenance of the installed measures. The City will provide a template agreement. Once executed, the agreement shall be recorded against the property.

   The provided Preliminary Stormwater Treatment Plan is approved in concept only. The final Stormwater Treatment Design shall be prepared by a licensed civil engineer. Final approval is subject to the applicant providing the necessary plans, details, and calculations that demonstrate the plan comply with the latest Municipal Regional Stormwater NPDES Permit (MRP).
2. Prior to Parcel Map approval, Stormwater Requirements Checklist shall be submitted along with the improvement plans for review and approval.
3. All stormwater treatment measures are subject to review and approval by the Alameda County Mosquito Abatement District. The developer shall modify the grading and drainage and stormwater treatment design as necessary to satisfy any imposed requirements from the District.

ww. FULL TRASH CAPTURE: The entire site shall be equipped with full trash capture devices approved by the Regional Water Quality Control Board – San Francisco Bay Region and the Mosquito Abatement District, for 100% trash capture at all on-site and adjoining off-site storm drain inlets. All on-site trash capture devices shall be permanently maintained by the property owner. Acceptable off-site trash capture devices can be found on the City's website at https://www.newark.org/departments/public-works/engineering-division/stormwater-program.

xx. GRADING AND DRAINAGE PLANS: Prior to Parcel Map approval, the developer shall submit detailed grading and drainage plans for review and approval by the City Engineer. Plans shall be based on a City benchmark, on NGVD 29 datum, shall include pad and finish

floor elevations of each proposed structure, proposed on-site property grades, proposed elevations at property line, and sufficient elevations on all adjacent properties to show existing drainage patterns. All on-site pavement shall drain at a minimum of one percent. The developer shall ensure that all upstream drainage is not blocked and that no ponding is created by this development. Any construction necessary to ensure this shall be the developer's sole responsibility.

yy. HYDROLOGY AND HYDRAULIC REPORT: Hydrology and hydraulic calculations, including a drainage area map for on and offsite watersheds, a narrative explaining assumptions, criteria, methodology, and how the starting HGL was established, shall be submitted for review and approval by the City Engineer and the Alameda County Flood Control & Water Conservation District (ACFC&WCD) prior to approval of the improvement plans and Parcel Map. The calculations shall show that the City and County freeboard requirements are satisfied and that any increase in flow is mitigated with on-site detention or storage, such that the downstream facility will not be surcharged by the post-development discharge from the project.

zz. EMERGENCY OVERLAND STORMWATER FLOW/SUMP PROPERTIES: The Grading Plans shall show that the entire property is designed with an emergency overland flow path to direct storm runoff to the nearest public street or open flood control facility in the event on-site pipes become plugged. The flow path shall be lower than the finish floor elevation of all habitable structures. The flow path cannot rely on neighboring properties unless a storm drain easement across the neighbor is obtained. Sump properties shall be designed to discharge the 50-year recurrence interval storm event through the pipe network before habitable structures become inundated.

aaa. Where a grade differential is created along the boundary lot lines between the proposed development and adjacent property, the applicant shall install a permanent retaining wall (concrete or masonry or similar approved material) unless a slope easement is approved by the City Engineer. Said retaining wall shall be subject to review and approval of the City Engineer. A grading permit is required by the Building Inspection Division prior to starting site grading work.

bbb. SITE DESIGN:

1. During the building permit review, the plans shall show the visibility control triangle to demonstrate compliance with the Visibility Ordinance. The plans shall show that there is no obstructions adjacent to the driveways, and determine where signs or any above-grade utility boxes can be located. The Engineering Department can provide a copy of Visibility Ordinance information sheet when requested.

2. The Preliminary Landscape Plan shows trees within the landscape strip along south property line that conflict with an existing sewer line to remain. If these trees are accounted towards meeting any landscape zoning code, a revised Preliminary Landscape Plan will need to show removal of these trees and their new locations.

ccc. Prior to issuance of Building Permit, existing buildings within the project boundary shall be demolished. The applicant shall apply and receive a building permit and obtain a permit final for the demolition.

ddd. The applicant shall install private streets improvements including, but not be limited to driveways, drive aisles, parking facilities, utilities, storm water treatment facilities, screen walls, fencing, and all landscape areas. All private streets in the development shall be designed and constructed to City standards, are subject to review and approval by the City Engineer and shall be included with the improvement plans.

eee. The applicant shall obtain grading and site work permit(s) from Building Inspection Division for the site grading (rough grading and/or fine grading) and private structures including, but not limited to perimeter retaining walls.

fff. PAVEMENT MAINTENANCE PROGRAM: Prior to the issuance of a building permit, the developer's engineer shall submit a pavement maintenance program for the drive aisles and parking areas for the review and approval of the City Engineer. The developer shall incorporate the program into the required Storm Water Pollution Prevention Plan and Storm Water Treatment Measures Maintenance Agreement.

ggg. Prior to issuance of a Certificate of Occupancy or release of utilities for the building, vehicle access ways and parking facilities shown on the plans shall be paved in accordance with the recommendation of a licensed engineer based on a Traffic Index of 5.0 and striped as shown on the approved site plan. Minimum asphalt concrete thickness for the vehicle access ways shall be 4 inches.

hhh. All dry utilities including, but not limited to, electric, telephone, alarm systems, and cable television services shall be provided underground from the point-of-connection at the utility purveyor’s network to the service point. Electrical transformers shall be installed in underground vaults with an appropriate public utility easement.

iii. Multiple street trench cuts and openings (i.e. greater than two street cuts or openings) as a result of utility connections and other necessary street openings on Central Avenue shall be resurfaced from curb to curb to the satisfaction of the City Engineer. All pavement restoration and resurfacing shall be completed concurrent with the site development. The extent of street resurfacing shall be shown on the improvement plans prior to approval of Parcel Map. The extent of resurfacing to the satisfaction of the City Engineer.

jjj. All public improvements shall be designed in conformance with the City of Newark Municipal Code and the City’s adopted Standard Details in effect at the time of issuance of the permit(s).

kkk. ENCROACHMENT PERMIT: Any work performed within the City’s right-of-way, City easements, or City-owned property shall be subject to an Encroachment Permit as defined in Newark Municipal Code. All encroachment permit work is subject to adopted City of Newark Standard Details, and shall be performed by properly-licensed contractors as determined by

the City Engineer. Said contractors must provide evidence of proper licensure, insurance and City-issued Business License upon application for a permit.

lll. OTHER AGENCY APPROVALS:

1. Prior to Parcel Map recordation, the proposed water, sewer, and dry utility connections are subject to review and approval by the Alameda County Water District (ACWD), Union Sanitary District (USD), and Pacific, Gas & Electric Company (PG&E), respectively. The Title Sheet of improvement plans shall be signed by the ACWD, USD prior to recordation of Parcel Map. Any necessary site and utility design changes to satisfy requirements from the individual utilities or districts shall be the applicant's responsibility.
2. The applicant is encouraged to apply to PG&E as soon as possible to discuss the project's electrical and gas needs. Joint trench composite plans shall be part of the improvement plan submitted along with the Parcel Map application.
3. The project improvement plans along with the Hydrology & Hydraulic Report shall be submitted to Alameda County Flood Control & Water Conservation District (ACFC&WCD) for their review and approval. The Title Sheet of improvement plans shall be signed by the ACFCD prior to recordation of Parcel Map.

mmm. The developer shall repair and/or replace any public improvements along Central Avenue if damaged during construction, to the satisfaction of the City Engineer.

nnn. For the duration of all construction activities, the developer shall ensure that a water vehicle for dust control operations and a pick-up or vacuum type street sweeper to remove tracked dirt and debris from adjacent streets is kept readily available at all times during construction at the City Engineer's direction.

ooo. The developer shall implement the following measures for the duration of all construction activity to minimize air quality impacts:

1. Watering should be used to control dust generation during demolition of structures and break-up of pavement.
2. All trucks hauling demolition debris from the site shall be covered.
3. Dust-proof chutes shall be used to load debris into trucks whenever feasible. Watering should be used to control dust generation during transport and handling of recycled materials.
4. All active construction areas shall be watered at least twice daily and more often during windy periods; active areas adjacent to the existing land uses shall be kept damp at all times or shall be treated with non-toxic stabilizers or dust palliatives.
5. All trucks hauling soil, sand, and other loose materials shall be covered or require all trucks to maintain at least 2 feet of freeboard.
6. All unpaved access roads, parking areas, and staging areas at construction sites shall be paved, watered three times daily, or treated with (non-toxic) soil stabilizers.
7. All paved access roads, parking areas, and staging areas at construction sites shall be swept daily with water sweepers; water sweepers shall vacuum up excess water to avoid runoff-related impacts to water quality.
8. Limit traffic speeds on unpaved roads to 15 mph.
9. Install sandbags or other erosion control measures to prevent silt runoff to public roadways.

10. Replant vegetation in disturbed areas as quickly as possible.
11. Minimize idling time (5 minutes maximum).
12. Maintain properly tuned equipment.

These measures shall be incorporated into the grading specifications as well as the best management practices of the storm water pollution prevention plan and shall be implemented to the satisfaction of the City Engineer.

ppp. POLLUTANT REDUCTION IN STORMWATER: At no time during construction of the project shall pollutants be allowed to enter, clog, or contaminate stormdrain pipe networks or open stormwater channels in violation of Newark Municipal Code. The applicant shall contain all trash and debris for proper disposal to authorized landfills or recyclers. Erosion control features shall be deployed during the rainy season that extends from October 1st to April 15th each year, or any time rain is forecast outside of this period. Best Management Practices (BMPs) shall be strictly followed. Street sweepers must be employed if soil or debris is tracked onto the public roads from vehicles exiting the site. Standard BMPs are available from the California Stormwater Quality Association (CASQA), the United States Environmental Protection Agency (EPA), Caltrans, and others. Notes and/or illustrations shall be added to the plans that describe the BMPs to be utilized during construction. The use of manufactured erosion control woven blankets and straw wattles that utilize plastic monofilament netting is specifically prohibited.

qqq. SWPPP REPORTING: Copies of any monitoring and/or sampling reports required by the stormwater pollution prevention plan (SWPPP) and submitted by the Legally Responsible Person (LRP) to the State of California's SMARTS database shall also be submitted to the City of Newark inspector assigned to the project. The LRP shall also submit to the City a copy of the required Annual Report no later than September 1st of each year that construction is active or when erosion control features have been deployed. The report must include a summary of all sampling and analysis performed (Risk Levels 2 and 3 only), a log of all inspections performed including Rain Event Action Plans (REAP), a summary of any required corrective actions taken, and a summary of any violations.

rrr. TRAFFIC IMPACT STUDY: Transportation Impact Study prepared by Kimley-Horn, dated May 2025, identified a queuing deficiency at the northbound left-lane of intersection #5 at Cherry Street and Central Avenue. To correct the deficiency, the applicant shall be responsible for modifying signal phasing as per recommended by the approved Transportation Impact Study. The applicant shall be solely responsible for all costs associated with the traffic signal improvements. These traffic signal modifications shall be completed prior to the issuance of a Certificate of Occupancy or Temporary Certificate of Occupancy, whichever occurs first, for the project. The applicant shall submit improvement plans for the necessary modifications to the City for review and approval prior to the issuance of any Building Permit.

sss. The applicant shall provide all required paper and digital submittals of the project parcel map, improvement plans, and as-built plans as required by the City Engineer, including but not necessarily limited to the following: (1) One full-sized mylar copy and an electronic copy of the recorded parcel map; (2) Two full-sized copies, four half-sized copies, and electronic

copies of the approved improvement plans in a format approved by the City Engineer; (3) Electronic copies and one mylar set of the as-built improvement plans. All digital copies of the parcel map and improvement plans shall be prepared in accordance with Union Sanitary District digital submittal standards.

ttt. LANDSCAPE IMPROVEMENTS:

1. All landscape maintenance within the Landscape Easement shall be the sole responsibility of the property owner. The applicant shall enter into a Landscape Maintenance Agreement prior to the issuance of the building permit. The Landscape Maintenance Agreement shall run with the land and be binding on the property owner.
2. The landscape plans shall be included in the improvement plan set and shall be approved by the City Engineer prior to Parcel Map approval. landscape plans in accordance with the State of California Model Water Efficient Landscape Ordinance (MWELO) and per the Newark Municipal Code. Additionally, prior to project permit approvals, the applicant will be required to submit a completed City Landscape Document Package Review Checklist, which will be provided by the Engineering Department on request. Prior to Certificate of Occupancy, the applicant shall be required to submit a completed City Certificate of Completion Form. Prior to Building Permit issuance, submit the project Landscape Plans that demonstrate compliance to City of Newark requirements and MWELO requirements.
3. Prior to Building Permit issuance, the proposed tree species adjacent to the Central Avenue shall be shown on the plans in detail for review and approval, and coordinated with the City. The location of the trees on the project frontage along Central Avenue shall be approved by the City such that, at maturity, the tree canopies and root system do not impact the future City infrastructure.
4. Any above ground utility structures, including backflow prevention devices, and appurtenances, shall be installed within the applicant's property line and a minimum of 10 feet behind street face of curbs. The backflow prevention devices shall have a green painted security cage to protect it from vandalism. These locations shall be screened with landscaping to the satisfaction of the City Engineer. The landscape screen shall not interfere with the utility companies' or City Fire Department's access.
5. A Deferred Improvement Agreement (DIA) for the landscape and irrigation improvements may be required based on construction schedules and the potential future City project on Central Avenue. A Reimbursement Agreement to cover City Attorney fees associated with the DIA is required.

Building Inspection Division

uuu. The project is currently subject to the 2022 California Building Standards, should the project not apply for permits before December 18th, 2025 the project will be subject to the code edition that is adopted at the time when it is applied for this includes all chapters of the building standards.

vvv. Per the CEQA guidelines, the number EV spaces shall meet the requirements of CalGreen Tier 2.

Alameda County Fire Department

www. Project must comply with all building and fire code requirements in effect at time of building permit submittal.

xxx. The flow test must be conducted no more than 12 months prior to the fire sprinkler plan submittal. The flow test data should be included with the fire sprinkler plan submission.

yyy. A fire alarm system will be required in addition to the fire sprinkler system.

zzz. Fire access and water supply must be in service prior to the commencement of vertical combustible construction.

aaaa. The building must be equipped with a fire pump. Please indicate the location and size of the fire pump room, in accordance with the California Fire Code and NFPA 20.

bbbb. The project shall comply with all building and fire code requirements in effect at time of building permit.

cccc. The rolling tube steel gate shall not obstruct the fire apparatus access road. A Fire Department key box shall be provided at the gate entrance if the gate is manually operated, and a switch box shall be provided if the gate is electrically powered.

dddd. The project shall comply with all building and fire code requirements in effect at time of building permit.

eeee. High pile storage shall be submitted as a deferred submittal to the Fire Department for review and approval.

Police Department

ffff. The development shall comply with Chapter 15.06, Security Code, of the Newark Municipal Code and Section 510, Emergency Responder Radio Coverage in New Buildings, of the California Fire Code.

gggg. We would highly recommend installation of community safety cameras in common areas where the facility would be most susceptible to criminal activity. This would include parking areas, exterior pathways and exterior doors. The community safety cameras could be operated and controlled by the owner or the Building Management.

hhhh. We would highly recommend installation of a professionally monitored alarm system covering areas of the facility that would be most susceptible to criminal activity such as burglaries and cargo thefts. This would include parking areas, exterior pathways, gates, perimeter fencing as well as building windows and exterior doors.

iiii. The proposed development should comply with the City of Newark numbering system and tie in with the existing area street numbering. Additionally, the proposed buildings should display their individual street address in a manner clearly visible from the adjacent roadway and parking areas in order to facilitate public safety personnel's ability to quickly identify each location during emergency responses.

Environmental Conditions of Approval

jjjj. The following conditions of approval have been identified through this analysis and ensure implementation of applicable mitigation measures and policies set forth in the General Plan and its EIR.

AES-1: All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 (Lighting and Illumination) and NMC Chapter 17.23 (Parking and Loading). All exterior lighting shall be directed on-site so as not to create glare off-site, as required by the Community Development Director.

AQ-1: The following dust control measures, as recommended by the Bay Area Air Quality Management District (BAAQMD), shall be included in the design of the proposed project and implemented during construction:

1. All exposed non-paved surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and access roads) shall be watered at least two times per day and/or non-toxic soil stabilizers shall be applied to exposed non-paved surfaces.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered and/or shall maintain at least 2 feet of freeboard.
3. All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes, as required by the California Airborne Toxics Control Measure (ATCM) Title 13, Section 2485 of California Code of Regulations. Clear signage regarding idling restrictions shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
8. The prime construction contractor shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. The construction contractor shall take corrective action within 48 hours. The BAAQMD's and the City's phone numbers shall also be visible to ensure compliance with applicable regulations.

BIO-1: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. Grading or removal of potentially occupied habitat shall be conducted outside the nesting season, which occurs between approximately February 1 to August 31.
2. If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey (migratory species, passerines, and raptors) of the potentially occupied habitat (trees, shrubs, grassland) shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.
3. If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat until the young have fledged, as determined by a qualified biologist. The radius of the required buffer zone can vary depending on the species, (i.e., 75-100 feet for passerines and 200-500 feet for raptors). The dimensions of any required buffer zones shall be determined by a qualified biologist.
4. To delineate the buffer zone around the occupied habitat, construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.
5. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriate, adjusted by a qualified biologist as needed to avoid disturbance.
6. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

BIO-2: Prior to any tree removal or alteration, the applicant shall obtain a tree removal permit from the City of Newark Public Works Department and implement tree planting requirements in accordance with development review.

CUL-1: During project construction, if historic, archaeological or Native American materials or artifacts are identified, work within 50-foot radius of such find shall cease and the City shall retain the services of a qualified archeologist and/or paleontologist to assess the significance of the find. adopted with the certification of the 2013 FEIR because not all impacts in the Southwest Newark Residential and Recreational Focus Area may be reduced to less than significant levels.

If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources and similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, all ground disturbing activities near or in any area potentially overlying adjacent human remains shall cease, the County

Coroner shall be contacted immediately, and the provisions of State law carried out.

GEO-1 Prior to issuance of a building permit, the applicant shall prepare and submit a design-level geotechnical report to the City for review and implement the recommendations herein, as approved by the City.

GHG-1: COA GHG-1 The Project shall comply with the most recent CalGreen Tier 2 EV requirements for non-residential projects and show the required number of EV spaces on the plans.

HAZ-1: Prior to issuance of any demolition permit, the applicant/project developer shall provide the City of Newark with evidence of approval by the ACWD of the Media Management Plan, titled "Data Gap Investigation and request for site closure", dated September 13, 2023, prepared by Farallon Consulting and case closure.

HYD-1: Preliminary Stormwater Treatment Plan is approved in concept only. Final approval is subject to the applicant providing, prior to the issuance of the grading permit, the necessary plans, details, and calculations that demonstrate the plan complies with the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2022-0018, revised July 1, 2022, issued to the City of Newark by the Regional Water Quality Control Board, San Francisco Bay Region.

HYD-2: Prior to issuance of a building permit, the applicant shall prepare an Operations and Maintenance (O&M) Plan for post-construction water quality. The O&M Plan shall be reviewed and accepted by the City Engineer prior to Project Construction on the site.

NOI-1: The Applicant/Project Contractor shall implement the following noise reduction measures to minimize the impact of construction noise onto offsite receivers and demonstrate compliance to the satisfaction of the City of Newark Director of Public Works or City Engineer:

1. Construct solid plywood fences around ground level construction sites adjacent to the project property line, resulting in a decibel reduction of 5-15 dBA.
2. ii. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. This would provide at least a 10 dBA reduction to individual equipment noise.
3. Prohibit unnecessary idling of internal combustion engines.
4. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from the project property line. Construct temporary noise barriers to screen stationary noise-generating equipment at the project property line.
5. Utilize "quiet" air compressors and other stationary noise sources where technology exists.
6. Control noise from construction workers' radios to a point where they are not audible at existing residences bordering the Project site.

7. Notify all adjacent businesses, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of "noisy" construction activities to the adjacent land uses and nearby residences.
8. If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.
9. Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

NOI-2: Prior to issuance of a demolition permit or improvements plans, the Applicant shall prepare and submit the Construction Management plan to the City's Building Department for review and shall make any modifications to the Plan for Building to find it acceptable. The Applicant/Project's Contractor shall implement the Project's Construction Management Plan included in the "Acoustical Assessment", prepared for the Project by Kimley-Horn and Associates, Inc., December 2023.

TRAN-1: Project improvements shall include a twice per cycle left-turn phase at the northbound left-turn lane of Cherry Street and Central Avenue.

UTIL-1: Prior to the issuance of a building permit, the applicant shall pay the applicable impact fees, in the amount in effect at the time.

6756 Central Ave – Newark 13 - Project Description

The project site is a 17.4-acre property (APNS: 092A-2165-014, -015, -016, and -017), located on the south side of Central Avenue at the intersection of Sycamore Street. Prologis, the Project Sponsor and Owner of the property, is proposing to demolish approximately 113,500 square feet of obsolete industrial buildings on site to construct a new industrial warehouse facility that can accommodate numerous uses that meet both the City and Prologis' interests. The new facility will be approximately 315,390 sf and include up to 33,806 sf of office located along the north facade facing Central Avenue. The facility will feature one story of 40'-0" interior clear height. Parking will be provided on site to meet the requirements for the General Industrial and office uses (see Site Plan DR-2.0a for additional detail).

The project site's general plan designation is General Industrial, and the zoning is GI – General Industrial. This application seeks approval for indoor warehousing & storage as well as wholesaling & distribution via a conditional use permit (CUP). The site is bounded by Central Ave to the north, a railroad track to the west and south, and an industrial building to the east. The Project is currently speculative in nature with no tenant prospects as of the application date. Our intent is to transform an underutilized industrial outdoor storage yard into a Class A, state of the art industrial warehouse with approximately 300 new permanent jobs.

Design and Site Planning Intent

Construction will be high quality tilt-up concrete with metal panel accents providing for both solar shading and architectural interest. The project will meet or exceed the applicable development standards as detailed below. The architectural design and layout of the project was carefully designed with office areas to the front of the project while locating the loading dock area towards the rear of the project, so it is not visible from the public right of way. Glazing occurs high on the concrete tilt up panels providing natural light deep into the space. Extensive glazing, multiple reveals, multi-colored paint, and perforated metal panels are used as features that break down the scale of concrete tilt up walls while providing a high image corporate design. The high image design is geared towards attracting a wide range of possible uses, dependent on market demand and fundamentals.

Extensive landscaping will be provided along the perimeter of the site, consisting of over 78,600 square feet including an outdoor employee amenity area, which will include seating, shade trees, eating tables, and paving with varying colors. 79 trees will be planted in addition to numerous shrubs and groundcovers, thus, vastly improving the existing condition which has minimal landscaping and trees.

Vehicles access would be provided by two driveways on Central Ave, 139' feet apart from each other to make way for the future Central Ave overpass.

Future Central Avenue Access

The City of Newark has plans for an overpass along Central Avenue spanning the railroad lines located southwest of and adjacent to the Project Site. Construction of the overpass is expected to start with underground utilities in the 1st quarter of 2024 with an anticipated completion in the 3rd Quarter of 2027. The length of the overpass extends from the west along Central Avenue across approximately 75% of the Project Site frontage, including the intersection of Sycamore Street and 2 existing curb cuts at the Project Site.

The Project Sponsor has been working closely with the city to ensure that the Project is able to maintain auto, fire and truck access to the Site after construction and during the city's overpass construction. The Project Sponsor is proposing truck, fire and auto ingress and egress to the Project via two 40' wide driveways at Central Ave. In addition, the project sponsor is providing various Temporary construction easements: 10' wide easements for sewer, water, and maintenance; 30' water line easement; and 10' wide sidewalk easement in order to facilitate the future overpass construction. The project's original design has been updated to accommodate the city's future Central Ave Overpass improvements.

Traffic

Included with this application is a copy of a Transportation Impact Study completed by Kimley-Horn, dated June 2023. The project's proposed trip generation was based on the highest trip generating land uses: therefore, the equation for Research and Development (R&D) was used for the daily and AM peak hour and the rate for High Cube Fulfillment Center Warehouse-Sort was used for the PM peak hour, from the Institute of Transportation Engineer's publication, Trip Generation Manual, 11th Edition.
The summary results of the study are as follows:

Vehicle Miles Traveled – less than significant impact.

Intersection Level of Service – no intersection project deficiencies were identified. However, the project creates a queuing deficiency at the northbound left-turn lane of the intersection at Cherry St. and Central Ave. in the AM and PM peak hours. It is recommended that a twice per cycle left-turn be provided for the north bound left-turn lane. In addition, the signal timing splits should be adjusted, and the cycle length should be modified to 150 seconds. With the recommended improvement, the project would add less than 25 feet of queue to the movement in comparison to existing conditions.

Proposed Findings: The zoning code imposes the following design and development standards in the GI zone.

Development Standard		Project Compliance
Minimum Lot Size	20,000	The proposed building lot is 756,061 sf. Accordingly, the lot size complies with the listed development standards.
Minimum Lot Width	60 feet	The proposed building lot is 600 feet wide at the narrowest point; Accordingly, the lot width complies with the listed development standards.
Maximum Building Height	1.Within 400 feet of a residential district boundary: 100 feet.	The nearest residential zone is over 600 feet but less than 1,000 from 6750 Central Avenue. The maximum height

	2.More than 400 feet but less than 600 feet from a residential district boundary: 150 feet. 3.More than 600 feet but less than 1,000 from a residential district boundary: 200 hundred feet. 4.1,000 feet or more from a residential district boundary: 500 feet or as approved through a conditional use permit.	of the building therefore must not exceed 200 feet. Interior Clear height is 40'. The max building roof height is 43'-6" and maximum parapet height is 49-6" feet in compliance with this standard.
Minimum Setbacks Front	10	122 feet
Interior Side	15, 50 from a Residential District boundary	78 feet
Street Side	15	122 feet
Rear	20, 50 from a Residential District boundary	111 feet
Parking Spaces	***Office.*** One parking spot is required per 300 sf of floor area. With an office area of 33,806 sf, the number of required parking sports for the office is 113.[1] ***Most Manufacturing, Warehousing, and Wholesaling and Distribution.*** Industrial Uses require one parking spot per 1,000 sf of floor area plus one parking spot for each 5,000 sf of outdoor use area. With a building area of 315,390 sf, the number of required parking spots is 282 plus the parking spots required for outdoor use area. The outdoor	The Project proposes 401 vehicle parking spaces, which exceeds the required parking of 395 parking spaces by six vehicle spaces. The Project proposes 48 loading spaces, which exceeds the nine loading spaces the city requires.

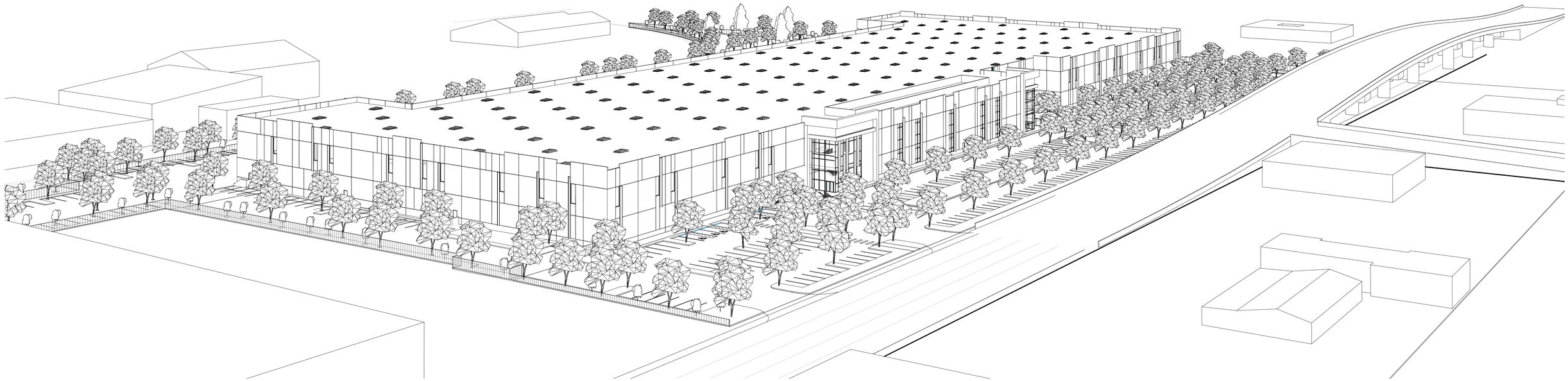
[1] Section 17.26.030 of the Newark Municipal Code provides that "accessory uses and structures are also subject to the development and site regulations found in Chapter 17.17, General Site Regulations." Chapter 17.17 does not, however, specify any special off-street parking ratio requirements for accessory uses.

	use area is equal to the total site area, 756,061 sf minus the building area, 315,390 sf, which comes to 440,671 sf of outdoor use area. The number of required parking spots is thus 282 for a warehousing facility. Accordingly, the total number of required parking spaces for the site, accounting for accessory office space, would be **395**. Newark Mun. Code § 17.23.040.	
On-Site Loading	***Office.*** The number of required loading spaces for an area of 315,390 sf is three. Newark Mun. Code § 17.23.080(A)(1). ***Most Manufacturing Warehousing, and Wholesaling and Distribution.*** The number of required loading spaces for uses with high loading demand—including Warehousing and Storage and Wholesaling and Distribution facilities as well as General Industrial, Light Industrial, and Food and Beverage Manufacturing facilities—above 75,001 sf is five loading spaces plus one additional space for each additional 75,000 sf over 75,000. With an area of 315,390 sf, that would be four additional spaces for a total of nine loading spaces. Accordingly, the total number of required loading spaces is **12**. Newark Mun. Code § 17.23.080(A)(2).	The site plan contemplates 46 dock doors and 2 grade level doors. Accordingly, the project would satisfy all loading space requirements.
<u>Location of Required Parking</u>	Required parking spaces regardless of the proposed use of the building must be located on the same lot, or located within 600 feet, along a pedestrian route, of the principal entrance of the building if accompanied by a written agreement between the	The site plan contemplates 401 on-site stalls, and thus the parking spaces are appropriately located for all contemplated industrial uses.

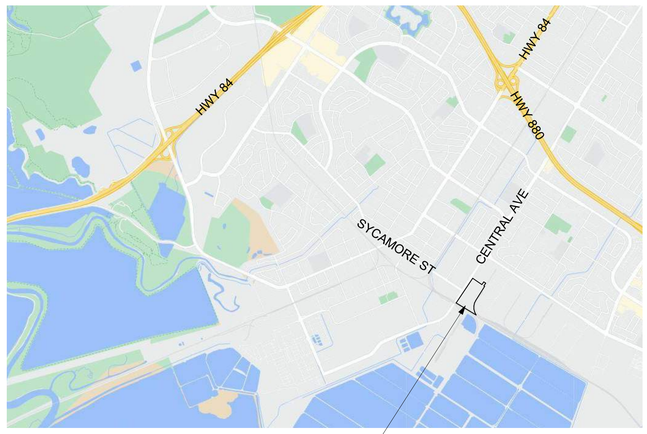
	landowner and the city. Newark Mun. Code § 17.23.060.	
Bicycle Parking Spaces	For commercial uses, the Municipal Code requires 5% of the number of required automobile parking spaces, with a minimum of four (4). For any establishment with twenty-five or more full-time equivalent employees must provide one space per thirty vehicle spaces. It requires that each bicycle parking space is no less than six (6) feet long by two (2) feet wide and has a parking rack capable of supporting bicycles of various sizes in a vertical position. Newark Mun. Code § **17.23.070**	The bicycle parking requirement is met as well. The Project proposes 20 short-term bicycle rack parking spaces and 14 long-term bicycle lockers onsite. Therefore, the Project provides adequate bicycle parking as required by the city.
Additionally Supplemental Regulations	A landscaped setback at least ten feet wide between the parking area and adjacent right-of-way.	The Project will comply because it will provide an 11-foot-deep landscape planter adjacent to the right-of-way and extensive landscaping along the perimeter of the site, consisting of over 78,600 sf. This area will include an outdoor employee amenity area, which will include seating, shade trees, eating tables, and paving with varying colors.
Additionally Supplemental Regulations	A minimum of one fifteen-gallon tree and two five-gallon shrubs for every forty feet of the street frontage.	79 trees will be planted in addition to numerous shrubs and groundcovers.

No specific plan nor area plan governs the development of the property; therefore, no additional design or development standards apply.

6756 CENTRAL AVENUE, NEWARK, CA
CONDITIONAL USE PERMIT



VICINITY MAP



PROJECT LOCATION:
6756 CENTRAL AVENUE,
NEWARK, CA 94560

N.T.S.

PROJECT OVERVIEW

THIS PROJECT IN THE INDUSTRIAL ZONE OF NEWARK, CA PROPOSES TO DEMOLISH EXISTING BUILDINGS AND STRUCTURES ON SITE AND CONSTRUCT A NEW INDUSTRIAL BUILDING. THE BUILDING WILL CONSIST OF APPROX. 281,000 SF OF MANUFACTURING/R&D AND/OR WAREHOUSE SPACE. APPROX. 33,000 SF OF ACCESSORY OFFICE SPACE IS PROPOSED ALONG THE NORTH SIDE FACING CENTRAL AVENUE, AND TRUCK DOCKS ARE PROPOSED ALONG THE SOUTH.

CAR PARKING IS PRIMARILY LOCATED TO THE NORTH OF THE BUILDING, WITH ADDITIONAL PARKING AT THE PERIMETER OF THE SITE AT THE EAST, WEST AND SOUTH. THE PROJECT PROPOSES TWO CURB CUTS LOCATED TO THE EAST OF THE FUTURE CENTRAL AVENUE OVERPASS.

CENTRAL AVENUE OVERPASS PROJECT (CITY PROJECT)

A FUTURE OVERPASS ALONG CENTRAL AVENUE IS PLANNED BY THE CITY, WHICH SPANS A LARGE PORTION OF THE FRONTAGE OF THE PROJECT SITE. WITH EXPECTED OVERPASS CONSTRUCTION START IN SUMMER OF 2024 AND COMPLETION IN EARLY 2026, EARLY CONSTRUCTION OF THE OVERPASS IS EXPECTED TO OVERLAP WITH THE INDUSTRIAL PROJECT CONSTRUCTION.

THE INDUSTRIAL PROJECT TEAM IS ENGAGED WITH THE CITY'S VARIOUS DEPARTMENTS TO COORDINATE RELEVANT ASPECTS OF THE OVERPASS PROJECT WITH THE INDUSTRIAL PROJECT.

PROJECT TEAM

CLIENT:
PROLOGIS
PIER 1, BAY 1
SAN FRANCISCO, CA 94111
T 415.394.9000

JIM JEARY
CORY CHUNG

ARCHITECT:
JACKSON LILES ARCHITECTURE
2325 THIRD STREET, #206
SAN FRANCISCO, CA 94107
T 415.621.1799

BRIAN LILES, AIA
JACQUELINE ARMADA, AIA

CIVIL:
KIER + WRIGHT
163 TECHNOLOGY DRIVE, SUITE 150
IRVINE, CA 92618
T 949.508.0202

GARRETT READLER, PE, QSD + QSP
ALEX PARDY

LANDSCAPE:
GREEN DESIGN LANDSCAPE ARCHITECTS, INC.
1464 POPINJAY DRIVE
RENO, NV
T 775.829.1364

BARBARA HATCH, RLA ASLA

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COVER SHEET

CU-0.0

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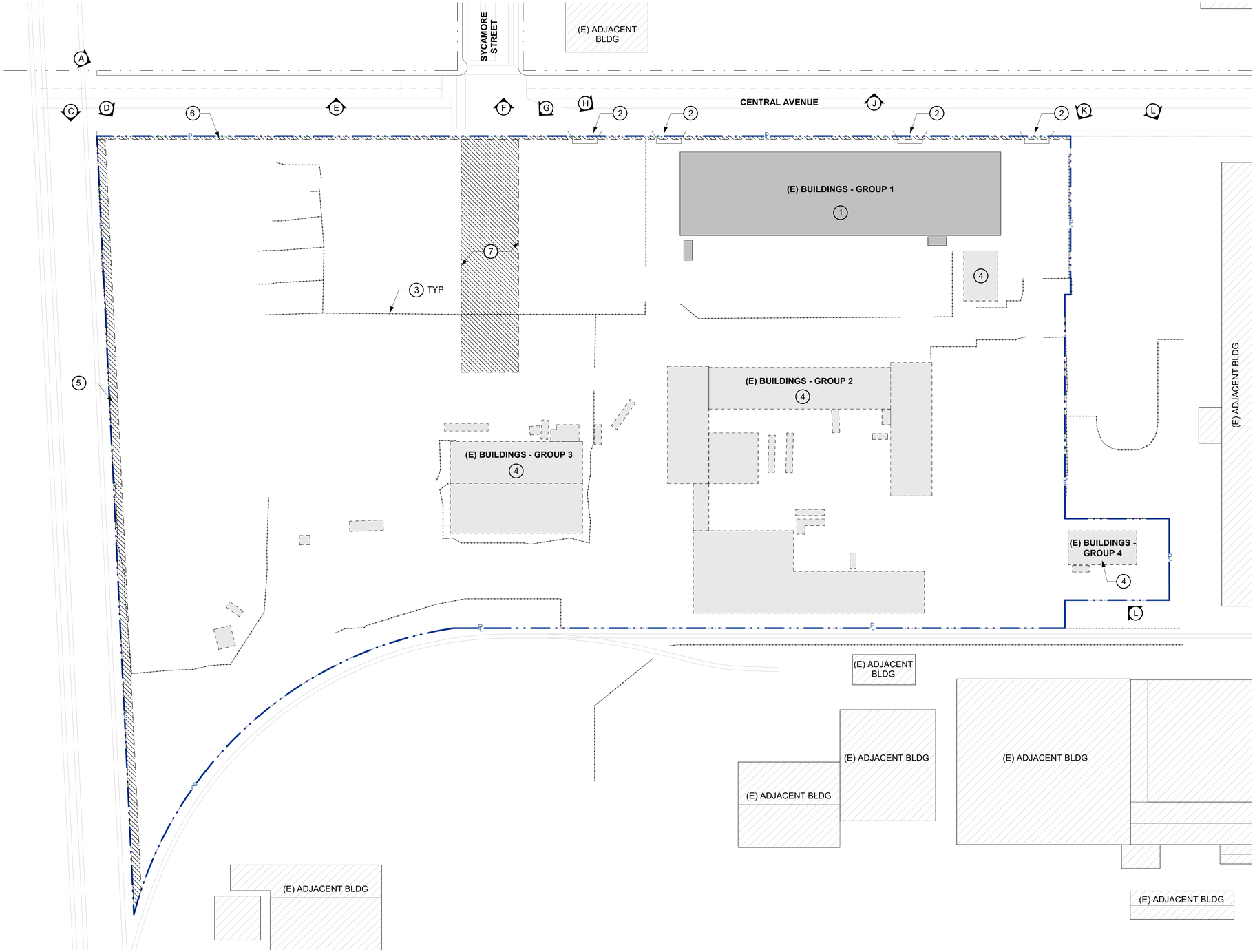

1 EXISTING SITE PLAN
1" = 60'-0"

RN

PLANNING CODE SUMMARY

ZONING DESIGNATION	**GENERAL INDUSTRIAL**
PERMITTED USES:	LARGE VEHICLE & EQUIPMENT SALES, SERVICES RENTAL; BUILDING MATERIAL SALES; CONSTRUCTION & MATERIALS YARD; GENERAL INDUSTRIAL; LIGHT INDUSTRIAL; RESEARCH & DEVELOPMENT; LIGHT FLEET-BASED SERVICES
CONDITIONAL USES:	BUSINESS, PROFESSIONAL & TECHNOLOGY; INDOOR WAREHOUSING & STORAGE; WHOLESALING & DISTRIBUTION; FREIGHT/TRUCKING TERMINALS
MINOR USES:	BUSINESS SERVICES
ZONING CONTROL	
MAX. HEIGHT:	200'
FAR:	NONE
SETBACKS:	10' FRONT 15' INTERIOR SIDE 15' STREET SIDE 20' REAR 10' LANDSCAPE BETWEEN PARKING & ROW
PARKING REQUIRED:	**1:300 OFFICE; 1:1,000 INDUSTRIAL USES**
BICYCLE PARKING REQUIRED:	**LONG TERM: 1 SPACE PER 30 VEHICLE SPACES SHORT TERM: 5% OF REQ'D VEHICLE SPACES**

NOTES

1. (E) BUILDING
2. (E) CURB CUT
3. (E) FENCING
4. (E) BUILDING RECENTLY DEMOLISHED UNDER SEPERATE PERMIT
5. (E) 10' WIDE SEWER AND WATER EASEMENT IN FAVOR OF SOUTHERN PACIFIC COMPANY. EASEMENT TO REMAIN IN PROJECT
6. (E) 4' WIDE ROADWAY AND PUBLIC UTILITY EASEMENT IN FAVOR OF THE CITY OF NEWARK. EASEMENT TO REMAIN IN PROJECT
7. (E) EASEMENT FOR PRIVATE ACCESS AND EMERGENCY VEHICLE ACCESS. EASEMENT TO BE REMOVED

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EXISTING SITE PLAN

CU-1.0

1" = 60'-0"
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A. NORTHWEST AERIAL VIEW



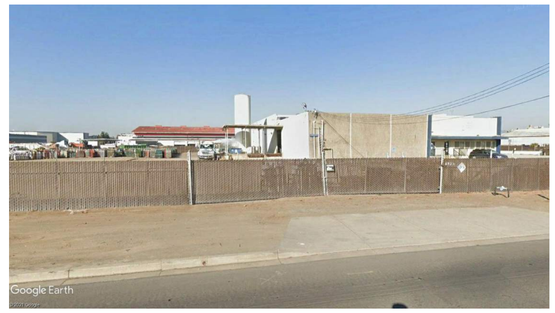
B. SOUTHEAST AERIAL VIEW



C. WEST OF SITE LOOKING SOUTH



D. NORTHWEST CORNER OF SITE



E. WEST CENTRAL AVENUE LOOKING NORTH



F. SYCAMORE STREET LOOKING NORTH



G. CENTRAL AVENUE LOOKING WEST



H. CENTRAL AVENUE LOOKING SOUTHEAST



J. EAST CENTRAL AVENUE LOOKING NORTH



K. NORTHEAST CORNER OF SITE



L. EAST OF SITE LOOKING SOUTH

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EXISTING SITE PHOTOS

CU-1.1

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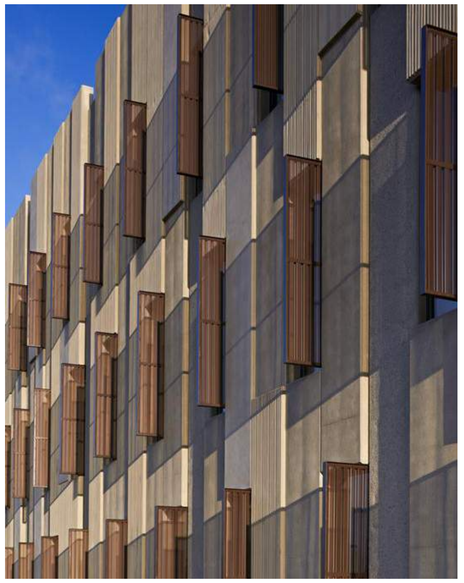



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PRECEDENT IMAGES

CU-1.2 | 6756 CENTRAL AVE

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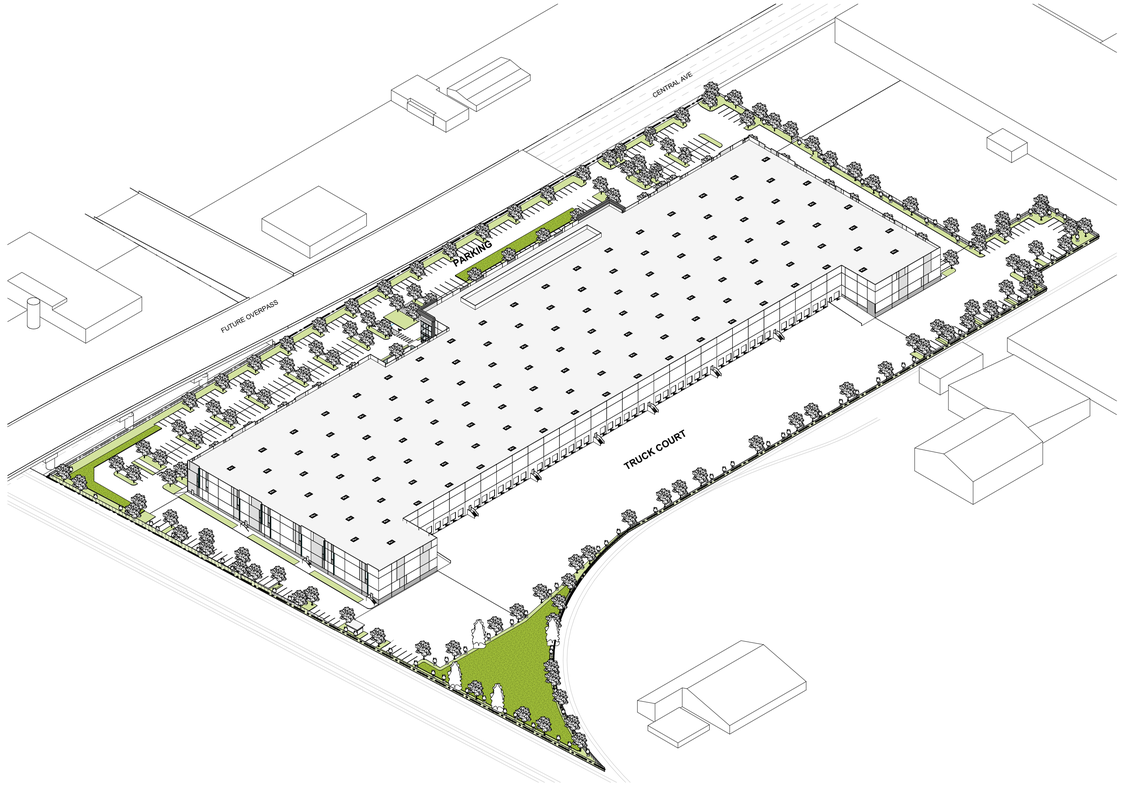
1 3D MASSING - NORTH



2 3D MASSING - SOUTH

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3D MASSING DIAGRAMS

CU-1.3

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PERSPECTIVE RENDERING - VIEW OF EAST BUILDING ENTRANCE



PERSPECTIVE RENDERING - AERIAL VIEW

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BUILDING PERSPECTIVES

CU-1.4

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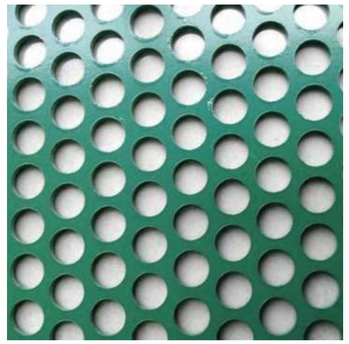
PAINTED CONCRETE - BUILDING ACCENTS



GLAZING - OFFICES AND CLERESTORY WINDOWS



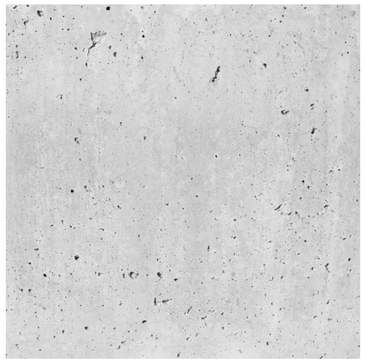
PAINTED CONCRETE - BUILDING EXTERIOR WALLS



PERFORATED METAL PANEL - WIDOW ACCENT "FINS"



PAINTED CONCRETE - BUILDING EXTERIOR WALLS



CONCRETE - BUILDING ACCENT AREAS

MATERIAL & COLOR SWATCHES



CEMENT BOARD FENCING - OUTDOOR AMENITY



PATTERNED CONCRETE PAVING - OUTDOOR AMENITY



CONCRETE PLANTERS - SELECT SITE LANDSCAPING



PUBLIC ART - PERFORATED PANEL

SITE MATERIAL INSPIRATION

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PRELIMINARY MATERIALS

CU-1.5

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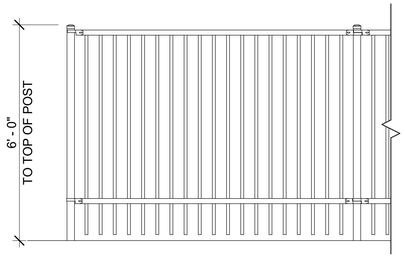
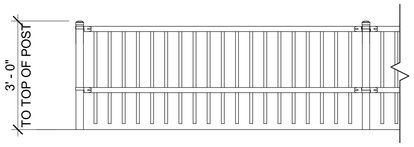
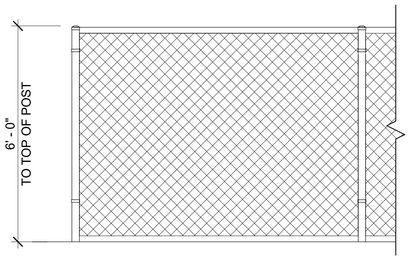


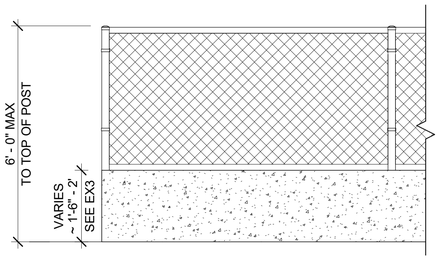
1 6' TUBE STEEL FENCE - ELEVATION
1/2" = 1'-0"



2 3' TUBE STEEL FENCE - ELEVATION
1/2" = 1'-0"

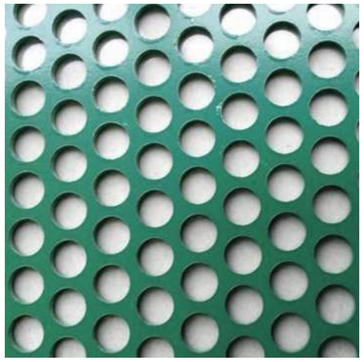


3 CHAIN LINK FENCE - ELEVATION
1/2" = 1'-0"



4 CHAIN LINK FENCE ON CONC RETAINING WALL - ELEVATION
1/2" = 1'-0"

FENCE TYPE LEGEND



PERFORATED METAL PANEL - OUTDOOR AMENITY



PRE-FINISHED METAL CANOPY

MATERIAL & COLOR SWATCHES



BLACK TUBE STEEL FENCE - PROPERTY LINE & VEHICLE GATE



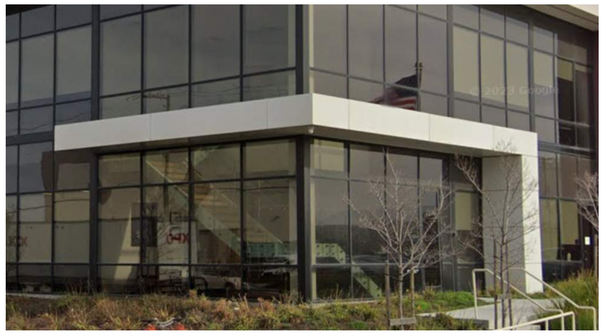
CONCRETE RETAINING WALL AT BIORETENTION PLANTER



CONCRETE SEAT WALL - OUTDOOR AMENITY



PERFORATED METAL PANEL W/ STL FRAME & AMENITY ENTRANCE GATE - OUTDOOR AMENITY



PRE-FINISHED METAL CANOPY

SITE MATERIAL INSPIRATION

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EXTERIOR COLORS AND MATERIALS

CU-1.6

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2016 ALTA/NSPS TABLE A OPTIONAL SURVEY ITEMS

2 THE SUBJECT PROPERTY ADDRESS IS KNOWN AS: 6756 & 6792 CENTRAL AVENUE, NEWARK, CALIFORNIA.

3 THE SUBJECT PROPERTY IS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR ALAMEDA COUNTY, CALIFORNIA, MAP NUMBER 06001C0444G FOR COMMUNITY NUMBER 060009 (CITY OF NEWARK), WITH AN EFFECTIVE DATE OF AUGUST 3, 2009, AS BEING LOCATED IN FLOOD ZONE "X–UNSHADED". ACCORDING TO FEMA THE DEFINITION OF ZONE "X–UNSHADED" IS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

INFORMATION WAS OBTAINED FROM THE CITY NEWARK, ENGINEERING DEPARTMENT ON MARCH 15, 2019.

4 GROSS LAND AREA: 756,061± SQUARE FEET OR 17.3568± ACRES
NET LAND AREA: 751,314± SQUARE FEET OR 17.2478± ACRES (EXCLUDING THE 4' WIDE ROADWAY AND PUBLIC UTILITY EASEMENT.)

6(A) ZONING NOTE: THIS SURVEY MAKES NO EVALUATION AS TO COMPLIANCE WITH ZONING CODES AND/OR ORDINANCES OTHER THAN CURRENT MUNICIPAL BUILDING SETBACK LINE LOCATIONS.

THE SUBJECT PROPERTY IS CURRENTLY ZONED: GI (GENERAL INDUSTRIAL)

SETBACKS:
FRONT:10 FEET
SIDE: 15 FEET
REAR: 20 FEET
STREET SIDE: 15 FEET

MAXIMUM BUILDING HEIGHT: WITHIN 400' OF A RESIDENTIAL DISTRICT: 100 FEET; MORE THAN 400' BUT LESS THAN 600' FROM A RESIDENTIAL DISTRICT BOUNDARY: 150 FEET; MORE THAN 600' BUT LESS THAN 1,000' FROM A RESIDENTIAL DISTRICT BOUNDARY: 200 FEET
FLOOR AREA RATIO: 0.2 TO 2.5

PARKING REQUIREMENTS: INDUSTRIAL USES
1 SPACE PER 1,000 S.F. OF GROSS FLOOR AREA PLUS 1 FOR EACH 5,000 S.F. OF OUTDOOR USE AREA.

INFORMATION WAS OBTAINED FROM THE CITY OF NEWARK, PLANNING DEPARTMENT ON MARCH 15, 2019.

6(B) THE BUILDING SETBACK LINES HAVE BEEN PLOTTED HEREON.

7(A) EXTERIOR DIMENSIONS OF ALL BUILDINGS AT GROUND LEVEL. SHOWN HEREON.

7(B)(1) THE BUILDING AREAS SHOWN HEREON WERE DERIVED FROM MEASUREMENTS TAKEN ALONG THE OUTSIDE ENCLOSED FACE OF THE BUILDING ENVELOPE AS DIMENSIONED HEREON.

7(C) MEASURED HEIGHT OF ALL BUILDINGS SHOWN HEREON. (TAKEN FROM THE FINISH FLOOR)

8 SUBSTANTIAL FEATURES OBSERVED IN THE PROCESS OF CONDUCTING THE SURVEY SUCH AS PARKING LOTS, BILLBOARDS, SIGNS, SWIMMING POOLS, LANDSCAPED AREAS, ETC. SHOWN HEREON.

9 PARKING SUMMARY:
STANDARD PARKING STALLS: 57
ACCESSIBLE PARKING STALLS: 1
TOTAL PARKING STALLS: 58

13 NAMES OF ADJOINING OWNERS OF PLATTED LANDS ACCORDING TO CURRENT PUBLIC RECORDS. SHOWN HEREON.

14 DISTANCE TO THE NEAREST INTERSECTING STREET AS SPECIFIED BY THE CLIENT. SHOWN HEREON.

16 AS OF THE DATE OF THIS SURVEY, THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS.

17 AS OF THE DATE OF THIS SURVEY, THERE ARE NO PROPOSED CHANGES IN STREET RIGHT OF WAY LINES, AS AVAILABLE FROM THE CONTROLLING JURISDICTION. THERE IS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.

18 AS OF THE DATE OF THIS SURVEY, THERE IS NO OBSERVED EVIDENCE OF WETLANDS MARKERS WITHIN THE BOUNDARY OF THE SUBJECT PROPERTY.

19 THERE ARE NO OFFSITE EASEMENTS OR SERVITUDES BENEFITING THE SURVEYED PROPERTY THAT ARE DISCLOSED IN THE RECORD DOCUMENTS PROVIDED TO THE SURVEYOR OR THAT WERE OBSERVED IN THE PROCESS OF CONDUCTING THE SURVEY.

TITLE EXCEPTION NOTES

NOTE: THE FOLLOWING ITEMS CONTAINED IN SCHEDULE "B", PART II OF THE HEREON REFERENCED COMMITMENT FOR TITLE INSURANCE ARE NOT A MATTER OF SURVEY: 1–8, 11, 14 & 17–20.

(9) THE EFFECTS OF AN EASEMENT FOR SEWER PIPE LINE, WATER PIPE LINE AND INCIDENTAL PURPOSES, AS DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED ON FEBRUARY 25, 1953 AS BOOK 6956 AT PAGE 515, OFFICIAL RECORDS OF ALAMEDA COUNTY. (AFFECTS PARCELS 4 & 5) (THE LOCATION OF SAID EASEMENT HAS BEEN PLOTTED HEREON.)

REFERENCE IS MADE TO THE SUBJECT DOCUMENT FOR PARTICULARS.

(10) THE EFFECTS OF AN EASEMENT FOR ROADWAY AND PUBLIC UTILITY PURPOSES, IN FAVOR OF THE CITY OF NEWARK, RECORDED ON OCTOBER 23, 1979, AS INSTRUMENT NO. 79–213573, OFFICIAL RECORDS OF ALAMEDA COUNTY. (AFFECTS PARCELS 2–5) (THE LOCATION OF SAID EASEMENT HAS BEEN PLOTTED HEREON.)

REFERENCE IS MADE TO THE SUBJECT DOCUMENT FOR PARTICULARS.

(12) THE EFFECTS OF A RELINQUISHMENT TO THE PUBLIC, ALL RIGHTS OF VEHICULAR ACCESS, AS SHOWN ON THAT CERTAIN PARCEL MAP NO. 3091, FILED FOR RECORD ON FEBRUARY 6, 1981, IN BOOK 125 OF MAPS, AT PAGE 17, OFFICIAL RECORDS OF ALAMEDA COUNTY. (AFFECTS PARCELS 5) (THE LOCATION OF SAID NON–ACCESS AREA HAS BEEN PLOTTED HEREON.)

REFERENCE IS MADE TO THE SUBJECT MAP FOR PARTICULARS.

(13) THE EFFECTS, IF ANY, OF AN EASEMENT FOR PRIVATE ACCESS, EMERGENCY VEHICLE ACCESS AND INCIDENTAL PURPOSES, AS SHOWN ON THAT CERTAIN PARCEL MAP NO. 3091, FILED FOR RECORD ON FEBRUARY 6, 1981, IN BOOK 125 OF MAPS, AT PAGE 17, OFFICIAL RECORDS OF ALAMEDA COUNTY. (SAID EASEMENT WAS NOT OFFERED OR ACCEPTED BY SAID MAP HOWEVER IS LOCATED ON PARCEL FOUR AND PLOTTED HERON.)

REFERENCE IS MADE TO THE SUBJECT MAP FOR PARTICULARS.

(15) THE EFFECTS OF THOSE CERTAIN TERMS & PROVISIONS AS CONTAINED IN THE DOCUMENT ENTITLED "PROJECT AGREEMENT", RECORDED ON DECEMBER 30, 1983 AS INSTRUMENT NO. 83–246573, OFFICIAL RECORDS OF ALAMEDA COUNTY. (AFFECTS BUT THERE ARE NO PLOTTABLE ITEMS IN SAID DOCUMENT.)

REFERENCE IS MADE TO THE SUBJECT DOCUMENT FOR PARTICULARS.

(16) THE EFFECTS OF THE FACT THAT THE LAND LIES WITHIN THE BOUNDARIES OF THE NEWARK 2001 REDEVELOPMENT PROJECT AREA, AS DISCLOSED BY THE DOCUMENT RECORDED ON JULY 15, 2002, AS INSTRUMENT NO. 2002–303101, OFFICIAL RECORDS OF ALAMEDA COUNTY. (AFFECTS BUT THERE ARE NO PLOTTABLE ITEMS IN SAID DOCUMENT.)

REFERENCE IS MADE TO THE SUBJECT DOCUMENT FOR PARTICULARS.

NOTE: THIS SITE HAS FIBER OPTIC LINES LOCATED ON OR ADJACENT TO IT.

LEGEND

	BUILDING LINE	ASPH	ASPHALT
	BUILDING OVERHANG	BFP	BACK FLOW PREVENTER
	CONCRETE CURB	BL	BUILDING LINE
	CONCRETE CURB & GUTTER	BW	BACK OF WALK
	CONCRETE/BLOCK/RETAINING WALL	C OR CONC	CONCRETE
	DRIVEWAY	CB	CATCH BASIN
	EASEMENT LINE	CMP	CORREGATED METAL PIPE
	EDGE OF PAVEMENT	CO	CLEANOUT
	FENCE LINE	DI	DRAIN INLET
	LOT LINE	DIP	DUCTILE IRON PIPE
	MONUMENT/MONUMENT LINE	DDC	DOUBLE DETECTOR CHECK
	OVERHEAD POWER LINE	E	EAST
	PROPERTY LINE	EB	ELECTRIC BOX
	RAILROAD TRACKS	ELECT	ELECTRIC
	SIDEWALK	EV	ELECTRICAL VAULT
	CONCRETE	FC	FACE OF CURB
	ASPHALT PAVEMENT	FDC	FIRE DEPARTMENT CONNECTION
	AIR RELEASE VALVE	FH	FIRE HYDRANT
	BOLLARD	FNC	FENCE
	BACKFLOW PREVENTION DEVICE	FOMH	FIBER OPTICS MANHOLE
	CATCH BASIN	FP	FLAG POLE
	CORNER	FW	FACE OF WALL
	DIAMETER	GLM	GAS LINE MARKER
	ELECTROLIER	GM	GAS METER
	FIRE DEPARTMENT CONNECTION	GUY	GUY ANCHOR
	FIRE HYDRANT	GV	GAS VALVE
	GAS METER	JP	JOINT POWER POLE
	GUY WIRE	LT	LIGHT
	HANDICAP PARKING SYMBOL	M	MAP
	MANHOLE	M–M	MONUMENT TO MONUMENT
	POST INDICATOR VALVE	N	NORTH
	POWER POLE/JOINT POLE	NE	NORTH EAST
	STREET LIGHT	NW	NORTH WEST
	TRAFFIC BOX	O.R.	OFFICIAL RECORD
	TRAFFIC SIGN	OH	OVERHEAD
	TRANSFORMER	P.O.B.	POINT OF BEGINNING
	UTILITY BOX	P.U.E.	PUBLIC UTILITY EASEMENT
	WATER METER	PIV	POST INDICATOR VALVE
	WATER VALVE	PL	PROPERTY LINE
	ANGLE POINT	PP	POWER POLE
AFF	ABOVE FINISH FLOOR	(R)	RADIAL
BC	BACK OF CURB	RSR	RISER
		RWL	RAIN WATER LEADER
		S	SOUTH
		SD	STORM DRAIN
		SDMH	STORM DRAIN MANHOLE
		SE	SOUTH EAST
		SF	SQUARE FEET
		SL	STREET LIGHT
		SLB	STREET LIGHT BOX
		SSCO	SANITARY SEWER CLEANOUT
		SSMH	SANITARY SEWER MANHOLE
		SW	SOUTH WEST
		TB	TELEPHONE BOX
		TC	TOP OF CURB
		UB	UNKNOWN UTILITY BOX
		W	WEST
		WB	WATER BOX
		WL	WATER LINE
		WM	WATER METER
		WV	WATER VALVE
		(4)	ITEM NO. IN TITLE REPORT
		(12)	NO. OF PARKING SPACES (ACCESSIBLE)
		(53)	NO. OF PARKING SPACES (STANDARD)
		( )	RECORD DATA

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF NEWARK, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL 2 OF THAT CERTAIN PARCEL MAP NO. 3091, FILED FEBRUARY 6, 1981, IN BOOK 125 OF PARCEL MAPS, AT PAGE 17, OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF ALAMEDA COUNTY.

AND

PARCELS 3, 4 AND 5 OF THAT CERTAIN PARCEL MAP NO. 3091, FILED FEBRUARY 6, 1981, IN BOOK 125 OF PARCEL MAPS, AT PAGE 17, OF OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY RECORDER OF ALAMEDA COUNTY.

EXCEPTING THEREFROM, ALL OF THE MINERAL AND MINERAL ORES OF EVERY KIND AND CHARACTER NOW KNOWN TO EXIST OR HEREAFTER DISCOVERED UPON, WITHIN OR UNDERLYING SAID LAND, OR THAT MAY BE PRODUCED THEREFROM, INCLUDING, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ALL PETROLEUM, OIL, NATURAL GAS AND OTHER HYDROCARBON SUBSTANCES AND PRODUCTS DERIVED THEREFROM, TOGETHER WITH THE EXCLUSIVE AND PERPETUAL RIGHT OF SOUTHERN PACIFIC COMPANY, ITS SUCCESSORS AND ASSIGNS, OF INGRESS AND EGRESS BENEATH THE SURFACE OF SAID LAND TO EXPLORE FOR, EXTRACT, MINE AND REMOVE THE SAME, AND TO MAKE SUCH USE OF THE SAID LAND BENEATH THE SURFACE AS IS NECESSARY OR USEFUL IN CONNECTION THEREWITH, WHICH USE MAY INCLUDE LATERAL OR SLANT DRILLING, BORING, DIGGING OR SINKING OF WELLS, SHAFTS OR TUNNELS; PROVIDED, HOWEVER, THAT SOUTHERN PACIFIC COMPANY, ITS SUCCESSORS AND ASSIGNS SHALL NOT USE THE SURFACE OF SAID LAND IN THE EXERCISE OF ANY OF SAID RIGHTS, AND SHALL NOT DISTURB THE SURFACE OF SAID LAND, OR ANY IMPROVEMENTS THEREOF, OR REMOVE OR IMPAIR THE LATERAL OR SUBJACENT SUPPORT OF SAID LAND, OR ANY IMPROVEMENTS THEREOF, AS ESERVED IN THE DEED FROM SOUTHERN PACIFIC COMPANY, A DELAWARE CORPORATION, RECORDED FEBRUARY 25, 1953, BOOK 6956, PAGE 515, SERIES NO. AH16325, OFFICIAL RECORDS.

GENERAL NOTES

1. ALL DISTANCES SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF.
2. APN: 092A–2165–014, 092A–2165–015, 092A–2165–016 & 092A–2165–017
3. THIS SURVEY WAS PREPARED FROM INFORMATION FURNISHED IN A COMMITMENT FOR TITLE INSURANCE, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY DATED AS OF JANUARY 28, 2019, ORDER NUMBER NCS–946819–CHI2, FURNISHED TO KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC BY SCANNELL PROPERTIES ON APRIL 18, 2019. NO LIABILITY IS ASSUMED FOR MATTERS OF RECORD NOT STATED IN SAID REPORT THAT MAY AFFECT THE TITLE LINES, OR EXCEPTIONS, OR EASEMENTS OF THE PROPERTY.
4. BASIS OF BEARINGS:
THE BEARING OF NORTH 33° 12' 30" EAST, TAKEN ON THE MONUMENT LINE OF CENTRAL AVENUE, AS SHOWN ON THAT CERTAIN PARCEL MAP 3091, FILED FOR RECORD ON FEBRUARY 6, 1981, IN BOOK 125 OF MAPS AT PAGES 17 – 18, OFFICIAL RECORDS OF ALAMEDA COUNTY WAS TAKEN AS THE BASIS FOR ALL BEARINGS SHOWN HEREON.
5. PHYSICAL ITEMS SHOWN ON THIS SURVEY ARE LIMITED TO THOSE ITEMS VISIBLE AS OF THE DATE OF THIS SURVEY. SUBSURFACE STRUCTURES, IF ANY, ARE NOT SHOWN. SAID SUBSURFACE OBJECTS MAY INCLUDE, BUT ARE NOT LIMITED TO, CONCRETE FOOTINGS, SLABS, SHORING, STRUCTURAL PILES, UTILITY VAULTS, PIPING, UNDERGROUND TANKS, AND ANY OTHER SUBSURFACE STRUCTURES NOT REVEALED BY A SURFACE INSPECTION.
6. THERE APPEARS TO BE A FIBER OPTIC LINE AND ELECTRICAL MANHOLES THAT RUN ALONG CENTRAL AVENUE.

SURVEYOR'S CERTIFICATE

TO: SCANNELL PROPERTIES, LLC;

AND: 6756–6792 CENTRAL AVE NEWARK CA LLC, A DELAWARE LIMITED LIABILITY COMPANY

AND: FIRST AMERICAN TITLE INSURANCE COMPANY;

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(A), 6(B), 7(A), 7(B)(1), 7(C), 8, 9, 13, 14, 16, 17, 18, 19 AND 20 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON APRIL 30, 2019.

KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC.

5/2/2019
PREPARED BY OR UNDER THE SUPERVISION OF — DATE
JOSEPH D. THOMPSON, L.S. 8121
LICENSE EXPIRES: 12–31–20

LICENSED LAND SURVEYOR JOSEPH D. THOMPSON No. 8121 Exp. 12–31–20 STATE OF CALIFORNIA

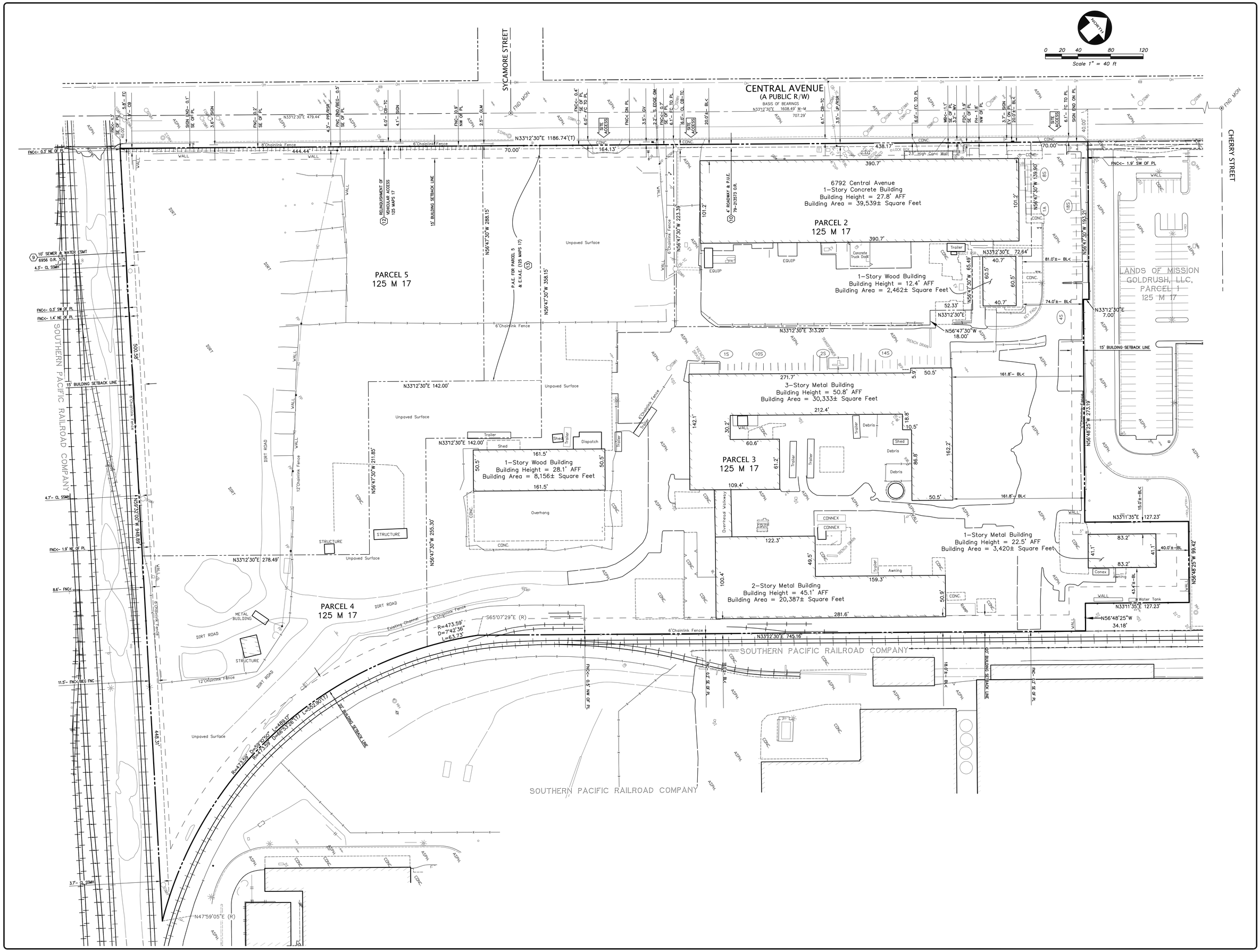
NO.	REVISION	BY
1	UPDATE ALTA SURVEY	KJK
2	UPDATE ALTA SURVEY	CSW

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, California 94551
Phone (925) 245-8788
www.kierwright.com

ALTA/NSPS LAND TITLE SURVEY
OF
6756 & 6792 CENTRAL AVENUE
FOR
SCANNELL PROPERTIES
NEWARK, CALIFORNIA

DATE	SEP., 2013
SCALE	AS SHOWN
SURVEYOR	KJK
DRAWN BY	BMM
JOB NO.	A12586-4
SHEET	1
OF	2 SHEETS

2:\2012\A12586-4\DWG\SURVEY\ALTA\A12586-4-AS.dwg 5-02-19 02:53:14 PM kketler



NO.	REVISION	BY
1	UPDATE ALTA SURVEY	3-22-2019 KJK
2	UPDATE ALTA SURVEY	5-2-2019 CSW

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ALTA/NSPS LAND TITLE SURVEY
OF
6756 & 6792 CENTRAL AVENUE
FOR
SCANNELL PROPERTIES

NEWARK, CALIFORNIA

DATE	SEP., 2013
SCALE	AS SHOWN
SURVEYOR	KJK
DRAWN BY	BMM
JOB NO.	A12586-4
SHEET	2
OF	2 SHEETS

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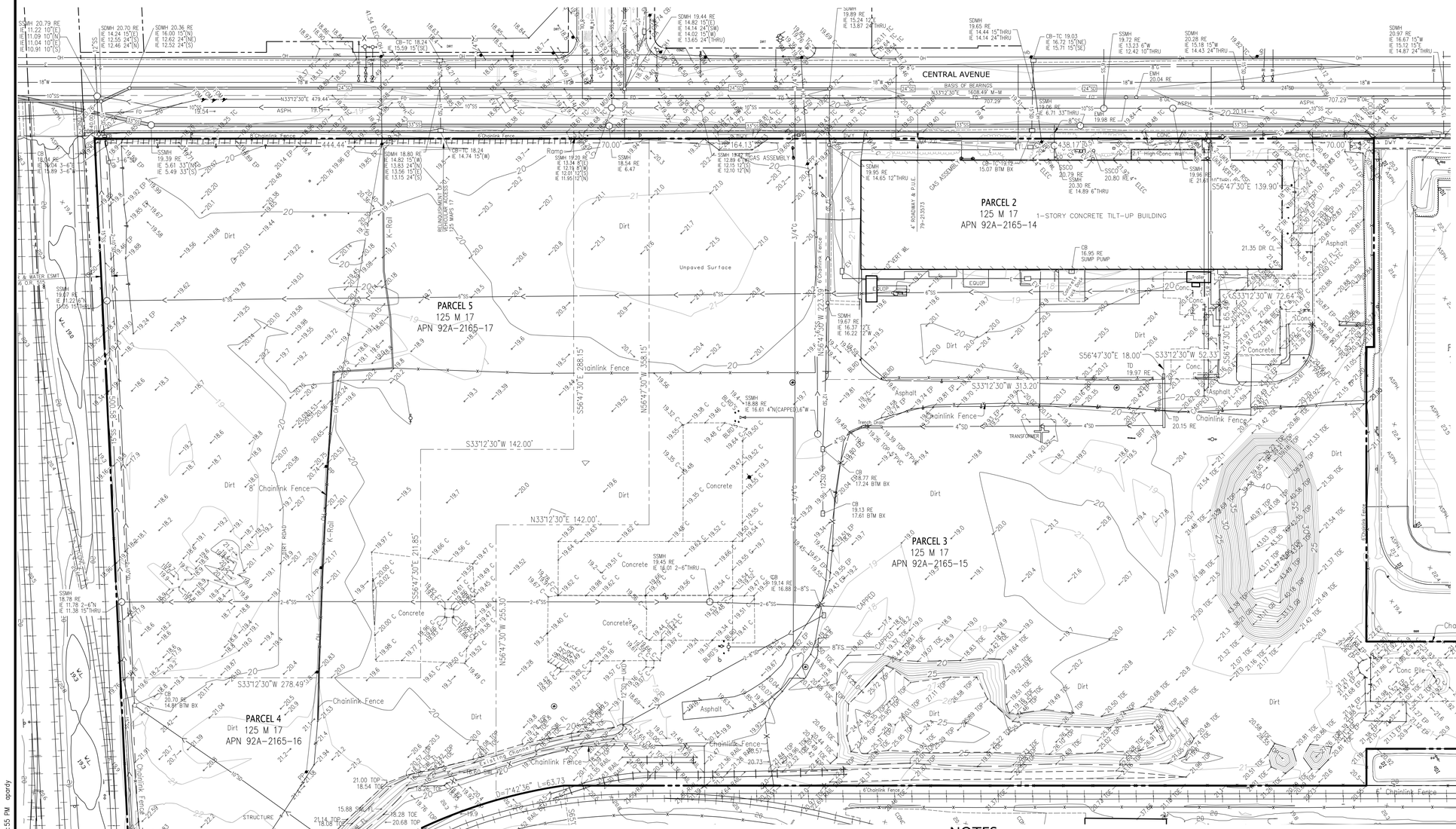
CENTRAL AVENUE
BASIS OF BEARINGS
N33°12'30"E 1608.49' M-M
PARCEL 2
125 M 17
APN 92A-2165-14
1-STORY CONCRETE TILT-UP BUILDING
PARCEL 5
125 M 17
APN 92A-2165-17
PARCEL 3
125 M 17
APN 92A-2165-15
PARCEL 4
125 M 17
APN 92A-2165-16
S56°47'30"E 139.90'
S33°12'30"W 72.64'
S56°47'30"E 18.00'
S33°12'30"W 52.33'
S33°12'30"W 313.20'
S33°12'30"W 142.00'
N33°12'30"E 142.00'
S33°12'30"W 278.49'
N56°47'30"W 223.39'
N56°47'30"W 358.15'
S56°47'30"E 288.15'
N56°47'30"W 211.85'
N56°47'30"W 255.30'
R=70.00' L=444.44'
D=742°36" L=63.73'
Chainlink Fence
6'Chainlink Fence
8' Chainlink Fence
Concrete
Asphalt
Dirt
Unpaved Surface
STRUCTURE
TRANSFORMER
EQUIP
Trailer
Conc Pile
CENTRAL AVENUE
ASPH.
19.54
19.34
19.25
19.15
19.05
18.95
18.85
18.75
18.65
18.54
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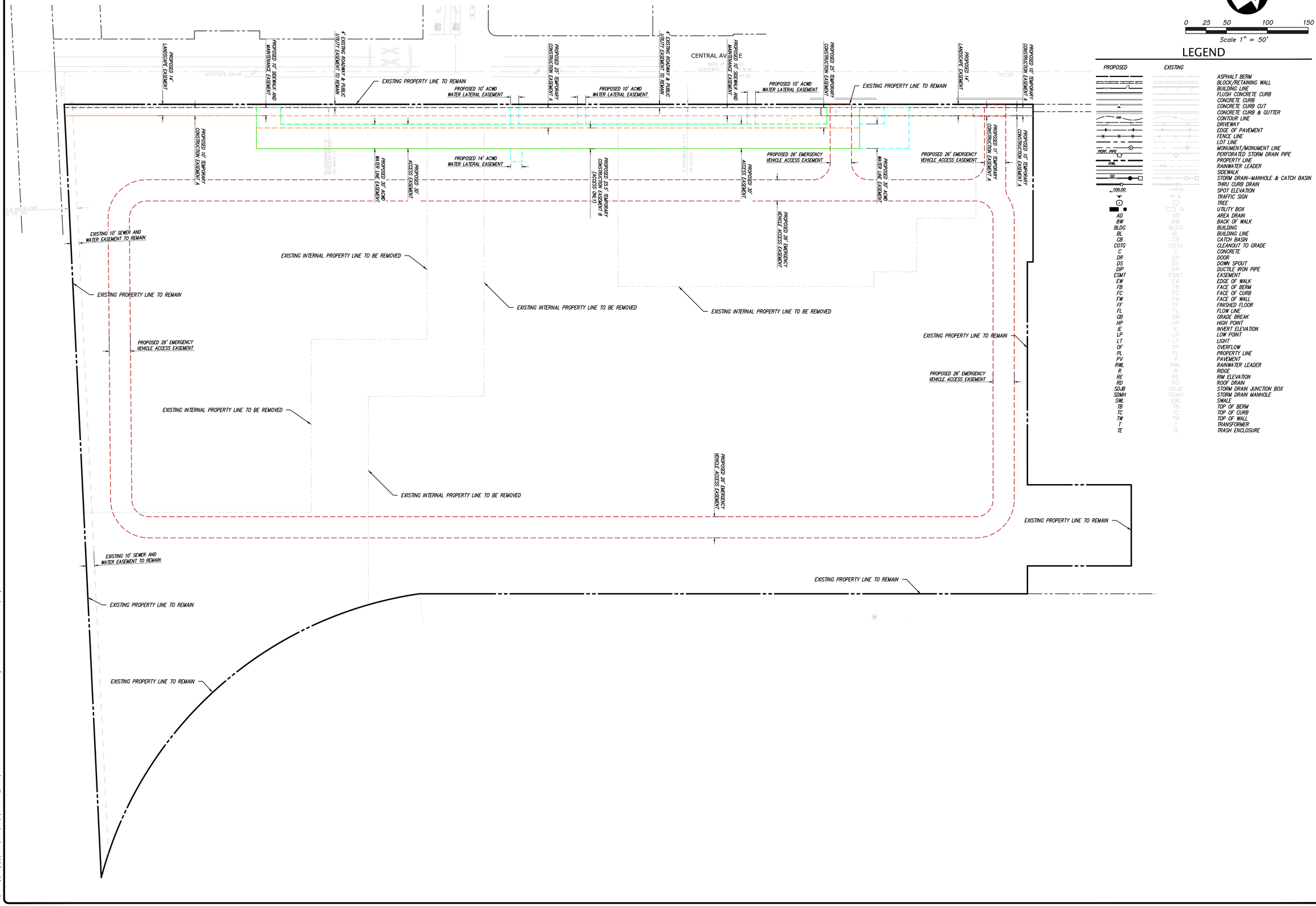

LEGEND

PROPOSED	EXISTING	
		ASPHALT BERM
		BLOCK/RETAINING WALL
		BUILDING LINE
		FLUSH CONCRETE CURB
		CONCRETE CURB
		CONCRETE CURB CUT
		CONCRETE CURB & GUTTER
100	100	CONTOUR LINE
		DRIVEWAY
		EDGE OF PAVEMENT
		FENCE LINE
		LOT LINE
		MONUMENT/MONUMENT LINE
PERF. PIPE		PERFORATED STORM DRAIN PIPE
		PROPERTY LINE
RWL	RWL	RAINWATER LEADER
		SIDEWALK
SD	SD	STORM DRAIN-MANHOLE & CATCH BASIN
100.00	+100.00	THRU CURB DRAIN
		SPOT ELEVATION
		TRAFFIC SIGN
		TREE
		UTILITY BOX
AD	AD	AREA DRAIN
BW	BW	BACK OF WALK
BLDG	BLDG	BUILDING
BL	BL	BUILDING LINE
CB	CB	CATCH BASIN
COTG	COTG	CLEANOUT TO GRADE
C	C	CONCRETE
DR	DR	DOOR
DS	DS	DOWN SPOUT
DIP	DIP	DUCTILE IRON PIPE
ESMT	ESMT	EASEMENT
EW	EW	EDGE OF WALK
FB	FB	FACE OF BERM
FC	FC	FACE OF CURB
FW	FW	FACE OF WALL
FF	FF	FINISHED FLOOR
FL	FL	FLOW LINE
GB	GB	GRADE BREAK
HP	HP	HIGH POINT
IE	IE	INVERT ELEVATION
LP	LP	LOW POINT
LT	LT	LIGHT
OF	OF	OVERFLOW
PL	PL	PROPERTY LINE
PV	P	PAVEMENT
RWL	RWL	RAINWATER LEADER
R	R	RIDGE
RE	RE	RIM ELEVATION
RD	RD	ROOF DRAIN
SDJB	SDJB	STORM DRAIN JUNCTION BOX
SDMH	SDMH	STORM DRAIN MANHOLE
SWL	SWL	SWALE
TB	TB	TOP OF BERM
TC	TC	TOP OF CURB
TW	TW	TOP OF WALL
T	T	TRANSFORMER
TE	TE	TRASH ENCLOSURE

NO.	BY	REVISION

NO.	BY	REVISION

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, CA 94551
Phone: (925) 245-8788
www.kierwright.com

EASEMENTS AND PROPERTY LINES
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	JAN 22, 2025
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX2
OF	7 SHEETS

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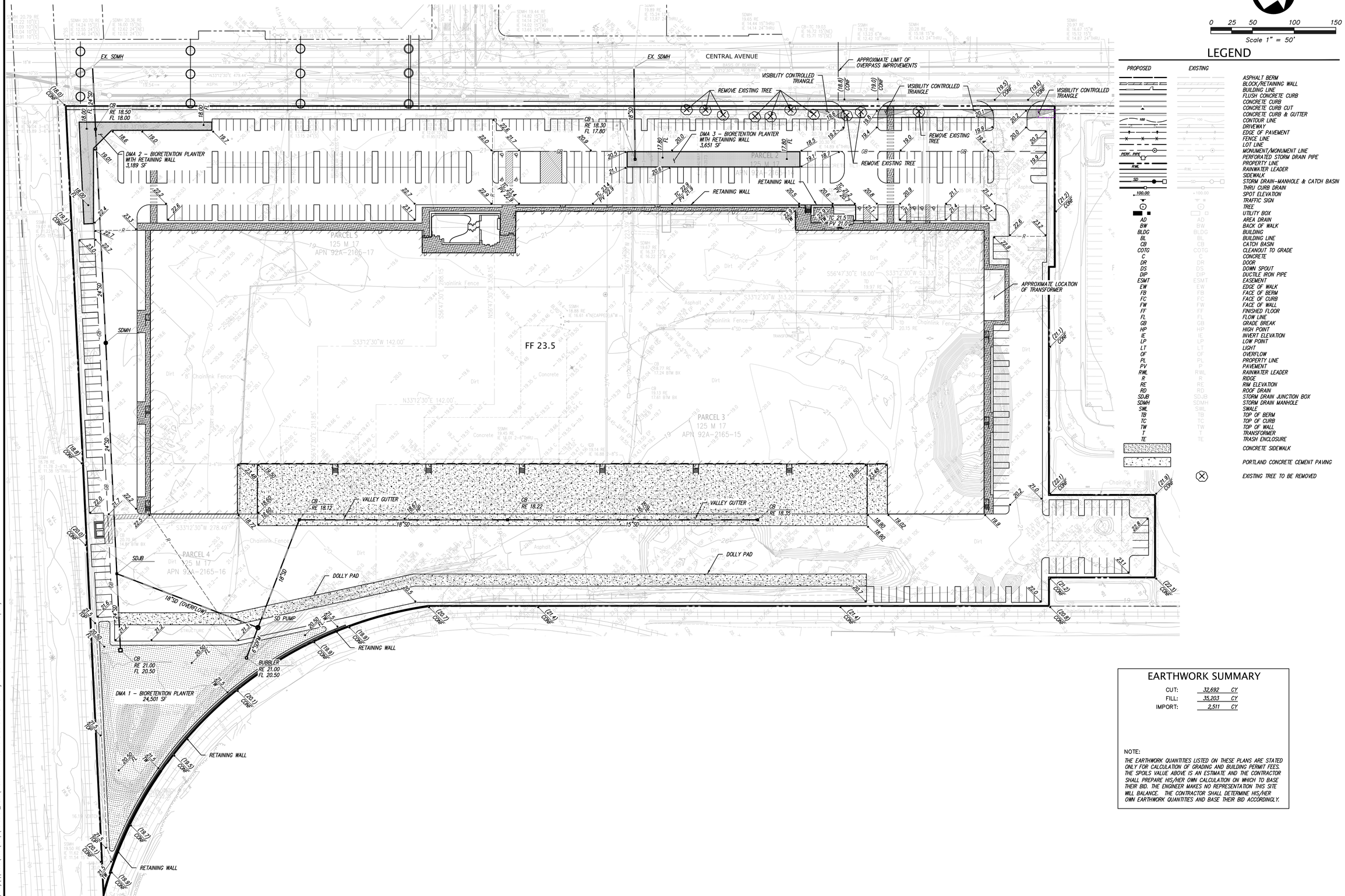

LEGEND

PROPOSED	EXISTING	
		ASPHALT BERM
		BLOCK/RETAINING WALL
		BUILDING LINE
		FLUSH CONCRETE CURB
		CONCRETE CURB
		CONCRETE CURB CUT
		CONCRETE CURB & GUTTER
100	100	CONTOUR LINE
		DRIVEWAY
		EDGE OF PAVEMENT
		FENCE LINE
		LOT LINE
		MONUMENT/MONUMENT LINE
PERF. PIPE	PERF. PIPE	PERFORATED STORM DRAIN PIPE
		PROPERTY LINE
RWL	RWL	RAINWATER LEADER
		SIDEWALK
SD	SD	STORM DRAIN–MANHOLE & CATCH BASIN
100.00	+100.00	THRU CURB DRAIN
		SPOT ELEVATION
		TRAFFIC SIGN
		TREE
		UTILITY BOX
AD	AD	AREA DRAIN
BW	BW	BACK OF WALK
BLDG	BLDG	BUILDING
BL	BL	BUILDING LINE
CB	CB	CATCH BASIN
COTG	COTG	CLEANOUT TO GRADE
C	C	CONCRETE
DR	DR	DOOR
DS	DS	DOWN SPOUT
DIP	DIP	DUCTILE IRON PIPE
ESMT	ESMT	EASEMENT
EW	EW	EDGE OF WALK
FB	FB	FACE OF BERM
FC	FC	FACE OF CURB
FW	FW	FACE OF WALL
FF	FF	FINISHED FLOOR
FL	FL	FLOW LINE
GB	GB	GRADE BREAK
HP	HP	HIGH POINT
IE	IE	INVERT ELEVATION
LP	LP	LOW POINT
LT	LT	LIGHT
OF	OF	OVERFLOW
PL	PL	PROPERTY LINE
PV	P	PAVEMENT
RWL	RWL	RAINWATER LEADER
R	R	RIDGE
RE	RE	RIM ELEVATION
RD	RD	ROOF DRAIN
SDJB	SDJB	STORM DRAIN JUNCTION BOX
SDMH	SDMH	STORM DRAIN MANHOLE
SWL	SWL	SWALE
TB	TB	TOP OF BERM
TC	TC	TOP OF CURB
TW	TW	TOP OF WALL
T	T	TRANSFORMER
TE	TE	TRASH ENCLOSURE

CONCRETE SIDEWALK

PORTLAND CONCRETE CEMENT PAVING

EXISTING TREE TO BE REMOVED

EARTHWORK SUMMARY

CUT:	32,692	CY
FILL:	35,203	CY
IMPORT:	2,511	CY

NOTE:

THE EARTHWORK QUANTITIES LISTED ON THESE PLANS ARE STATED ONLY FOR CALCULATION OF GRADING AND BUILDING PERMIT FEES. THE SPOILS VALUE ABOVE IS AN ESTIMATE AND THE CONTRACTOR SHALL PREPARE HIS/HER OWN CALCULATION ON WHICH TO BASE THEIR BID. THE ENGINEER MAKES NO REPRESENTATION THIS SITE WILL BALANCE. THE CONTRACTOR SHALL DETERMINE HIS/HER OWN EARTHWORK QUANTITIES AND BASE THEIR BID ACCORDINGLY.

NO.	REVISION	BY

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, CA 94551
Phone: (925) 245-8788
www.kierwright.com

CONCEPTUAL GRADING
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	JAN 22, 2025
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX3
OF	7 SHEETS

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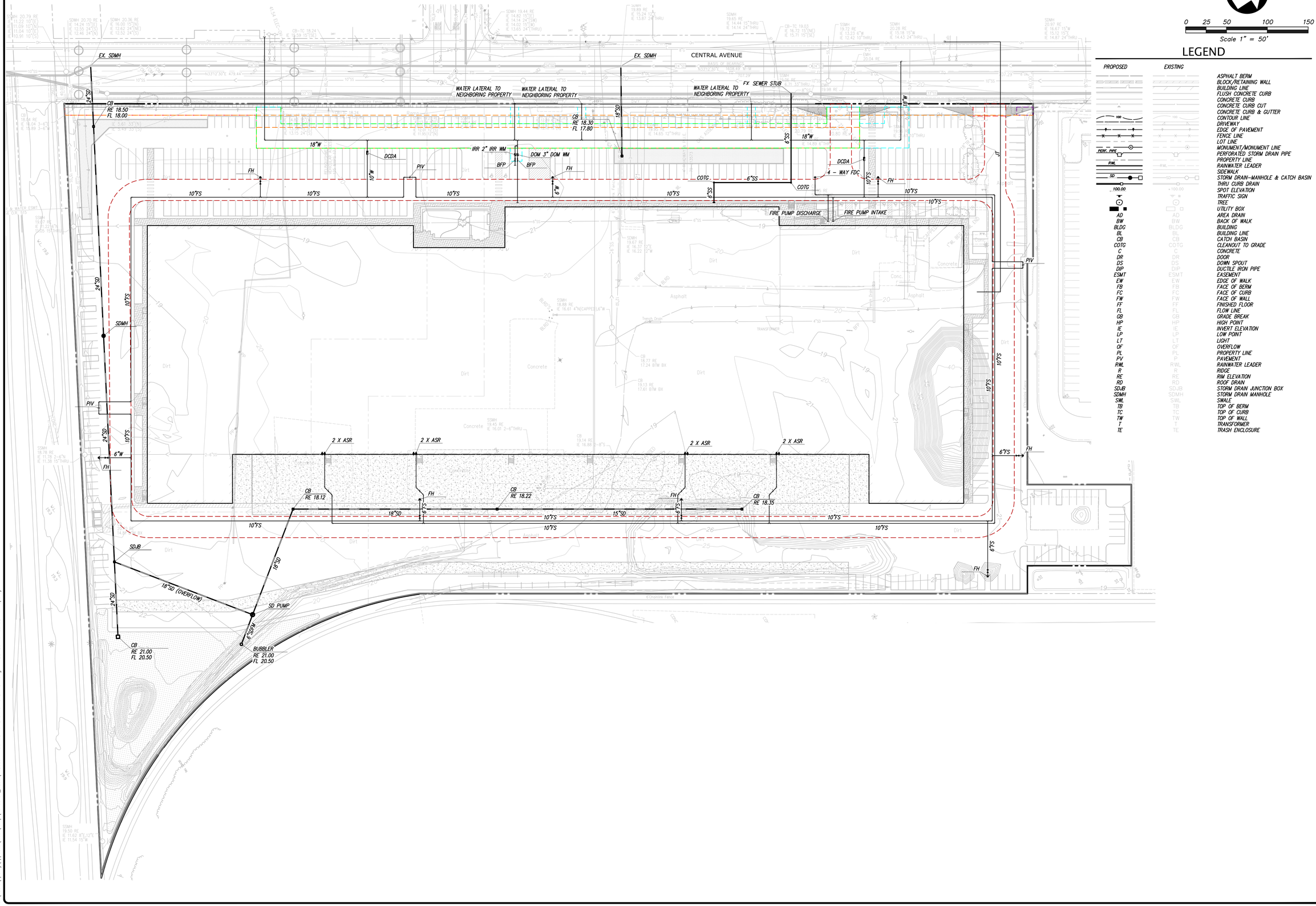

0 25 50 100 150

Scale 1" = 50'

LEGEND

PROPOSED	EXISTING	
		ASPHALT BERM
		BLOCK/RETAINING WALL
		BUILDING LINE
		FLUSH CONCRETE CURB
		CONCRETE CURB
		CONCRETE CURB CUT
		CONCRETE CURB & GUTTER
100	100	CONTOUR LINE
		DRIVEWAY
		EDGE OF PAVEMENT
		FENCE LINE
		LOT LINE
		MONUMENT/MONUMENT LINE
PERF. PIPE	PERF. PIPE	PERFORATED STORM DRAIN PIPE
		PROPERTY LINE
RWL	RWL	RAINWATER LEADER
		SIDEWALK
SD	SD	STORM DRAIN-MANHOLE & CATCH BASIN
100.00	+105.00	THRU CURB DRAIN
		SPOT ELEVATION
		TRAFFIC SIGN
		TREE
		UTILITY BOX
AD	AD	AREA DRAIN
BW	BW	BACK OF WALK
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COTG	COTG	CLEANOUT TO GRADE
C	C	CONCRETE
DR	DR	DOOR
DS	DS	DOWN SPOUT
DIP	DIP	DUCTILE IRON PIPE
ESMT	ESMT	EASEMENT
EW	EW	EDGE OF WALK
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FL	FL	FLOW LINE
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HP	HP	HIGH POINT
IE	IE	INVERT ELEVATION
LP	LP	LOW POINT
LT	LT	LIGHT
OF	OF	OVERFLOW
PL	PL	PROPERTY LINE
PV	P	PAVEMENT
RWL	RWL	RAINWATER LEADER
R	R	RIDGE
RE	RE	RIM ELEVATION
RD	RD	ROOF DRAIN
SDJB	SDJB	STORM DRAIN JUNCTION BOX
SDMH	SDMH	STORM DRAIN MANHOLE
SWL	SWL	SWALE
TB	TB	TOP OF BERM
TC	TC	TOP OF CURB
TW	TW	TOP OF WALL
T	T	TRANSFORMER
TE	TE	TRASH ENCLOSURE

NO.	REVISION	BY

NO.	REVISION	BY

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CONCEPTUAL UTILITIES
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	JAN 22, 2025
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX4
OF	7 SHEETS

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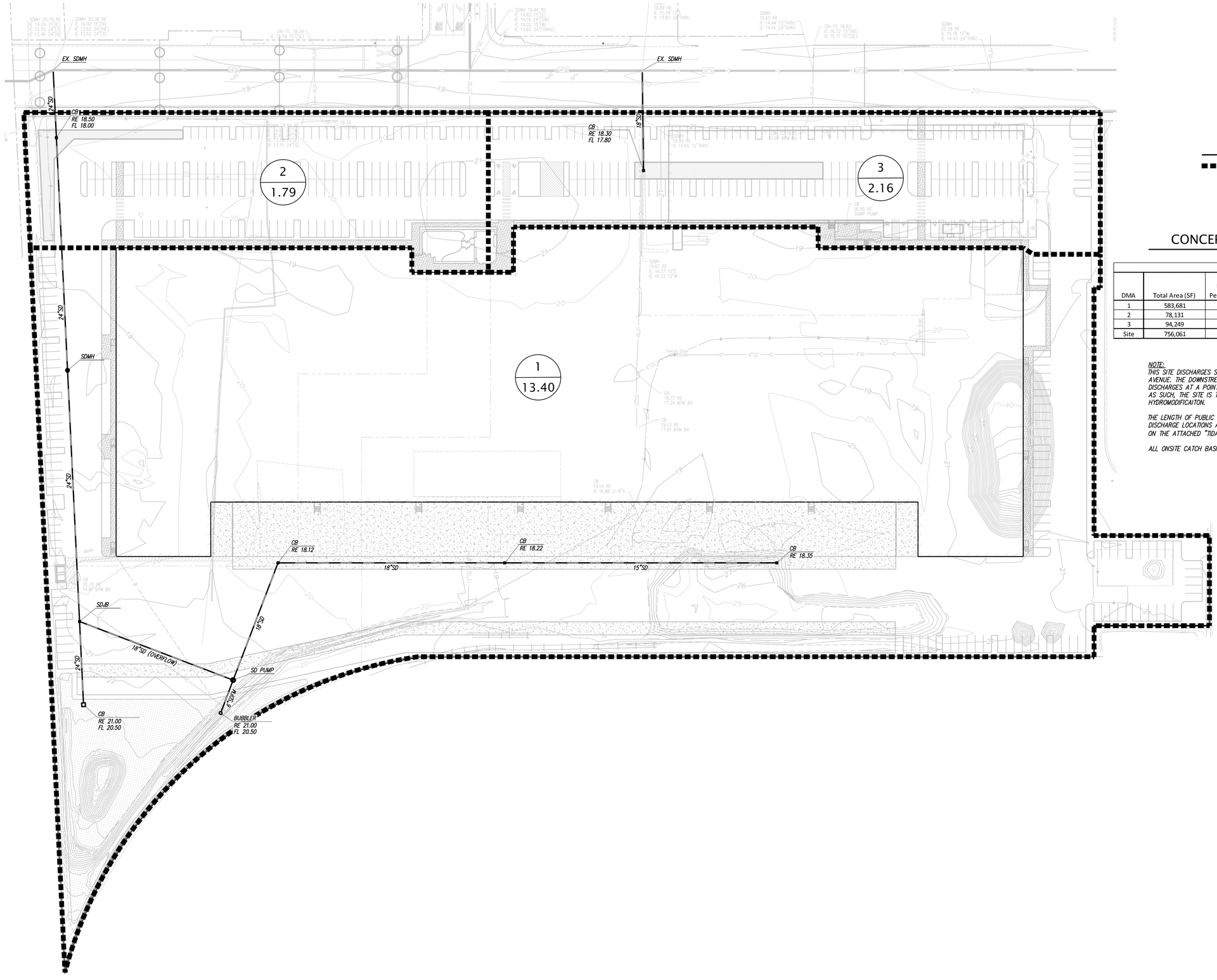

LEGEND

TRIBUTARY AREA LIMITS

X
X.XX

DMA NUMBER
ACRES

CONCEPTUAL SIZING CALCULATIONS

BIORETENTION TREATMENT SIZING

DMA	Total Area (SF)	Combined Impervious & Pervious Area (SF)	Bioretention Planter Surface Area (SF)	Sizing Ratio (Planter Area / Non-Planter Area)	Sizing Method
1	583,681	559,180	24,501	4.4%	Combination
2	78,131	74,942	3,189	4.3%	Combination
3	94,249	90,598	3,651	4.0%	Combination
Site	756,061	724,720	31,341	N/A	N/A

NOTE:
THIS SITE DISCHARGES STORMWATER TO THE PUBLIC STORM DRAIN LINE LOCATED IN CENTRAL AVENUE. THE DOWNSTREAM OUTLET OF THE PUBLIC STORM DRAIN LINE IN CENTRAL AVENUE DISCHARGES AT A POINT IN PLUMMER CREEK WHICH IS CLASSIFIED AS TIDALLY INFLUENCED. AS SUCH, THE SITE IS TIDALLY INFLUENCED AND IS NOT REQUIRED TO PROVIDE HYDROMODIFICAITON.

THE LENGTH OF PUBLIC STORM DRAIN LINE IN CENTRAL AVENUE BETWEEN THE SITE DISCHARGE LOCATIONS AND THE ULTIMATE DISCHARGE POINT IN PLUMMER CREEK IS SHOWN ON THE ATTACHED "TIDAL INFLUENCE EXHIBIT" SHEET EX3.

ALL ONSITE CATCH BASINS SHALL HAVE TRASH CAPTURE DEVICES INSTALLED.

NO.	REVISION	BY

NO.	REVISION	BY

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, CA 94551
Phone: (925) 245-8788
www.kierwright.com

CONCEPTUAL SWQCP
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	JAN 22, 2025
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX5
OF	7 SHEETS

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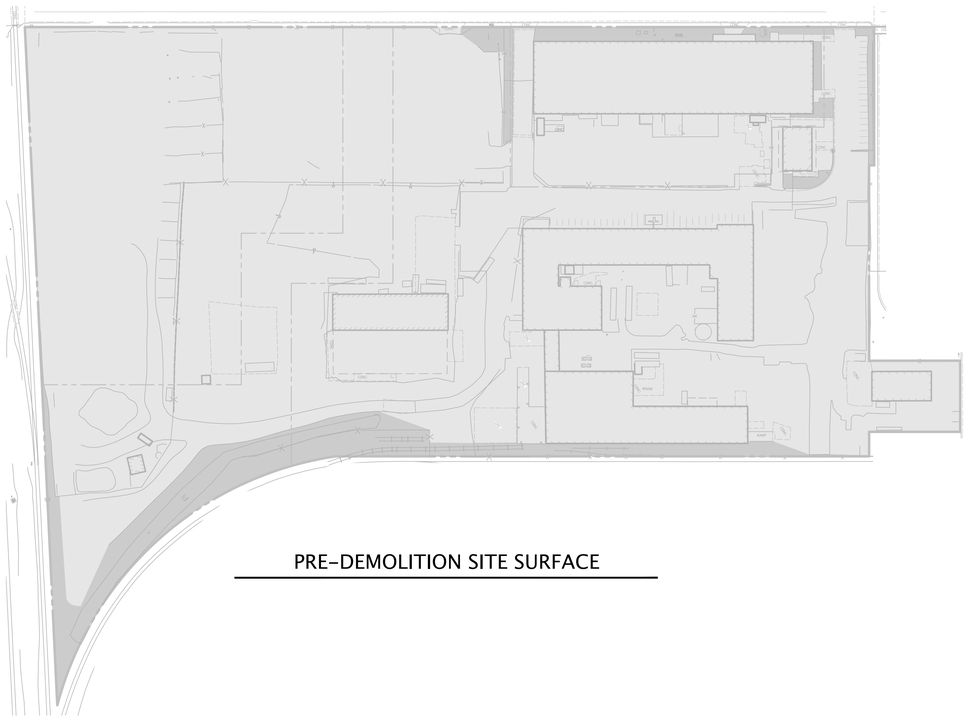
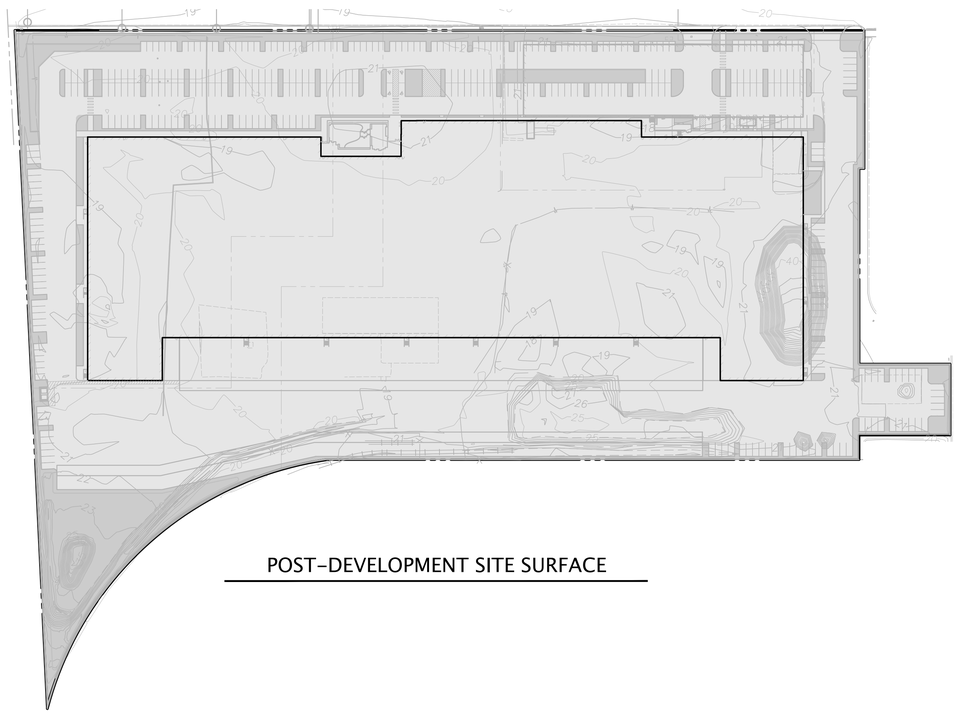
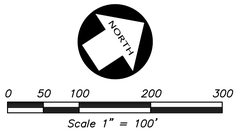


PRE-DEMOLITION SITE SURFACE



POST-DEVELOPMENT SITE SURFACE



LEGEND

IMPERVIOUS SURFACE AREA

PERVIOUS SURFACE AREA

SITE SURFACE COMPARISON

PRE-DEMOLITION SITE SURFACE		
TOTAL (SF)	IMPERVIOUS (SF)	PERVIOUS (SF)
756,061	695,179	60,882

POST-DEVELOPMENT SITE SURFACE		
TOTAL (SF)	IMPERVIOUS (SF)	PERVIOUS (SF)
756,061	666,027	90,034

NOTE:
AFTER THE IMPROVEMENTS HAVE BEEN INSTALLED, THE SITE WILL HAVE A GREATER AMOUNT OF PERVIOUS SURFACE AREA THAN PRIOR TO REDEVELOPMENT. AS SUCH, STORM WATER RUNOFF FROM THE SITE WILL DECREASE COMPARED TO THE PRE-DEVELOPMENT CONDITION.

NO.	REVISION	BY

NO.	REVISION	BY

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, CA 94551
Phone: (925) 245-8788
www.kierwright.com

SITE DRAINAGE EXHIBIT
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	JAN 22, 2025
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX6
OF	7 SHEETS

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NO.	REVISION	BY

NO.	REVISION	BY

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, CA 94551
Phone: (925) 245-8788
www.kierwright.com

TIDAL INFLUENCE EXHIBIT
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	JAN 22, 2025
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX7
OF	7 SHEETS

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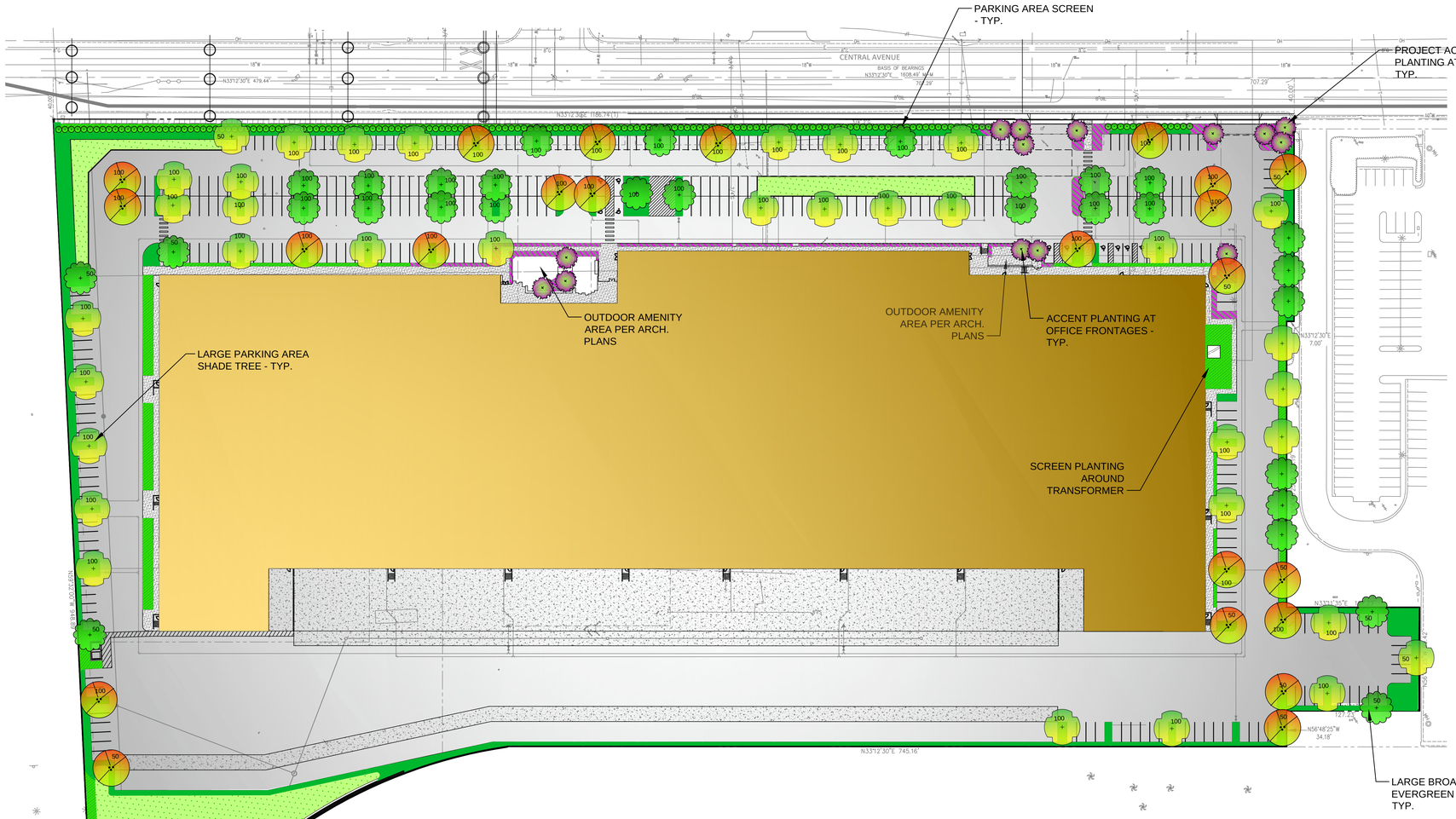


LANDSCAPE LEGEND

- LARGE DECIDUOUS SHADE TREE — CHINESE PISTACHE, FRONTIER ELM
- LARGE EVERGREEN SHADE TREE — HOLLY OAK
- MEDIUM BROADLEAF EVERGREEN TREE — BAY LAUREL OR FRUITLESS OLIVE
- FLOWERING ACCENT TREE — CRAPE MYRTLE
- PARKING EVERGREEN SCREEN SHRUB — COFFEEBERY, SALVIA
- LOW TO MEDIUM FLOWERING SHRUBS w/ ACCENT PERENNIALS PARKING LOT SCREEN SHRUBS WHERE REQUIRED
- FRONTAGE PLANTING LOW SHRUBS GROUNDCOVER MEANDERING GROUPS OF ORNAMENTAL GRASSES W/ BOULDERS
- PROJECT ACCENT PLANTING FLOWERING SHRUBS & GROUND-COVERS, PERENNIAL ACCENT
- SCREEN / FOUNDATION PLANTING LARGE SHRUBS
- SEEDED PER NATIVE BIO-RETENTION GRASSES HYDROSEED MIX

WATER EFFICIENT LANDSCAPE REQUIREMENTS

AUTOMATIC CONTROLLER W/ ET DATA, REPEAT CYCLING
IRRIGATION ZONES PER PLANT WATER REQUIREMENTS
RAIN SENSOR SENSOR TO IS SPECIFIED
SOIL AMENDMENTS TO BE INCORPORATED
PLANTER SURFACE AREAS TO BE MULCHED
WATER USAGE TO MEET STATE WATER EFFICIENT LANDSCAPE STANDARD

WATER EFFICIENT LANDSCAPE

I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE 2015 WATER EFFICIENT LANDSCAPE ORDINANCE AND SHALL SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

BARBARA M. HATCH ASLA

PRELIMINARY PLANT LIST

BOTANICAL NAME	COMMON NAME	SIZE	WATER REGIME HYDROZONE	MATURE HABIT H X W
TREES				
QUERCUS ILEX	HOLLY OAK	24" BOX	VL	40' X 40'
OLEA EUROPAEA 'SWAN HILL'	FRUITLESS OLIVE	15 GAL.	L	20' X 25'
PISTACIA C. 'KEITH DAVEY'	CHINESE PISTACHE	24" BOX	L	50' X 40'
ULMUS 'FRONTIER'	FRONTIER ELM	24" BOX	L	50' X 60'
LAGERSTROEMIA 'DYNAMITE RED'	CRAPE MYRTLE	15 GAL.	L	15' X 15'
LAURUS N. 'SARATOGA'	SWEET BAY	15 GAL.	L	25' X 20'
EVERGREEN SCREENING SHRUBS				
DODONEA VISCOSA	HOPBUSH	5 GAL.	L	10' X 10'
HEMEROMELES ARBUTIFOLIA	TOYON	5 GAL	VL	8' X 12'
CEANOTHUS 'RAY HARTMAN'	CEANOTHUS	5 GAL.	L	6' X 8'
ARBUTUS U. 'COMPACTA'	DW. STRAWBERRY	5 GAL,	L	8' X 10'
GRASSES				
FESTUCA MAIREI	ATLAS FESCUE	1 GAL.	L	2' X 3'
PENNISETUM S. 'HAMMILIN'	DW. FOUNTAIN GRASS	1 GAL.	L	3' X 3'
LOMANDRA L. 'BREEZE'	BREEZE MAT RUSH	1 GAL.	L	3' X 3'
MUHLENBERGIA RIGENS	DEER GRASS	1 GAL.	L	4' X 4'
PERENNIALS				
TULBAGHIA V. 'TRICOLOR'	SOCIETY GARLIC	1 GAL.	L	1' X 1.5'
VERBENA LILACINA 'DE LA MINA'	VERBENA	1 GAL.	L	2' X 4'
ACHILLEA 'MOONSHINE	YARROW	1 GAL.	L	2 X 2
DIETES V. 'VARIEGATA'	FORT NIGHT LILY	1 GAL.	L	3' X 3'

PRELIMINARY PLANT LIST

BOTANICAL NAME	COMMON NAME	SIZE	WATER REGIME HYDROZONE	MATURE HABIT H X W
SHRUBS				
OLEA 'LITTLE OLLIE''	DW. FRUITLESS OLIVE	5 GAL.	L	6' X 6'
NERIUM OLEANDER 'PETITE SALMON'	PETITE OLEANDER	5 GAL.	L	5' X 5'
RHAMNUS C. 'MOUND SAN BRUNO'	COFFEEBERRY	5 GAL.	L	4' X 5'
CALLISTEMON 'LITTLE JOHN'	DW. BOTTLEBRUSH	5 GAL.	L	3' X 4'
ROSMARINUS O. 'COLLINGHAM INGRED'	ROSEMARY	5 GAL.	L	4' X 4'
CISTUS X 'SKANBERGII'	SKANBURG ROCKROSE	5 GAL.	L	3' X 5'
SALVIA C. 'POZO BLUE'	CLEVELAND SAGE	5 GAL.	L	3' X 3'
LEUCOPHYLLUM F. 'COMPACTA'	TEXAS RANGER	5 GAL.	L	5' X 5'
MYOPORUM P. 'PUTAH CREEK'	PUTAH CREEK MYOPORUM	1 GAL.	L	1' X 7'
HESPERALOE PARVIFLORA	RED YUCCA	5 GAL.	L	3' X 3'
BACCHARUS P. 'CONSANQUINEA'	COYOTE BRUSH	5 GAL	L	2' X 6'
LANTANA 'DWARF YELLOW'	DWARF YELLOW LANTANA	1 GAL	L	2' X 5'
'WESTRINGIA F. 'GREY BOX'	DW. COAST ROSEMARY	1 GAL	L	2' X 3'
SALVIA C. 'AROMAS'	CLEVELAND SAGE	5 GAL.	L	4' X 6'

LEGEND — COMBINATION OF MULCHES TO BE UTILIZED IN FINAL DESIGN

NOT SHOWN — 3" MINIMUM DEPTH OF DARK BROWN BARK MULCH
3" MINIMUM DEPTH OF 1" MINUS MOCHA ROCK

NOT SHOWN — 2"-4" DIA. FRACTURED ROCK BOULDERS. BOULDER COLOR AND TEXTURE TO BLEND WITH ROCK MULCH.

LANDSCAPE CALCULATIONS

TOTAL SITE AREA: 756,100 S.F.
- TOTAL LANDSCAPE AREA PROVIDED (10.4%): 78,600 S.F.
- FRONT AND STREET FACING SETBACK LANDSCAPE: (PROVIDED)

TOTAL PARKING AREA: 157,484 S.F.
- PARKING AREA LANDSCAPE REQUIRED (10%): 15,749 S.F.
- PARKING AREA LANDSCAPE PROVIDED (18%): 28,609 S.F.
- TOTAL SHADE REQUIRED (50%): 79,742 S.F.
- TOTAL SHADE PROVIDED (55%): 89,865 S.F.
  - 65 TREES @ 100% 40' DIAMETER (1257 S.F.) = 81,705 S.F.
  - 13 TREES @ 50% 40' DIAMETER (628 S.F.) = 8,164 S.F.
- PARKING AREA SPACES PROVIDED: 399
- TREES REQUIRED (1 TREE/8 STALLS) : 50
- TREES PROVIDED : 79

PRELIMINARY LANDSCAPE PLAN

SCALE: 1" = 50'

GreenDesign
Landscape Architects, Inc.
1464 Popinjay Drive
Reno, NV.
p: 775 829 1364
email: bhatch00@charter.net

Owner:

PROLOGIS

3353 GATEWAY BLVD.
FREMONT, CA 94538-6526
TEL: (510) 661-4000

Project:
Central Avenue

Newark, CA

Title:
PRELIMINARY LANDSCAPE PLAN

Project Number:	0
Drawn by:	B.H.
Date:	12/9/21
Revision:	
REVISED	10-31-22
REVISED	2-10-23
REVISED	5-16-23
REVISED	11-8-23

Sheet:

LC1.1

NEWARK HYDROZONE INFORMATION TABLE

Please complete the hydrozone table(s) for each hydrozone. Use as many tables as necessary to provide the square footage of landscape area per hydrozone.

Table reflects irrigated areas only. Rock areas with no plant material and non-irrigated seeded bio-swales. are excluded in the landscape square footage.

Hydrozone*	Zone or Valve	Irrigation Method**	Area (Sq. Ft.)	% of Landscape Area
LW Trees and Shrubs High Density	**Frontage planting low shrubs groundcover meandering groups of ornamental grasses w boulders** **Project accent planting, flowering shrubs, ground-cover, and perennial accent**	**Drip/Bubbler**	**7,530**	**9%**
LW Trees and Shrubs Med Density	**Parking area planting low shrubs groundcover with meandering groups of ornamental grasses and perennials**	**Drip/Bubbler**	**29,590**	**35%**
LW Trees and Shrubs Low Density	**Screen/foundation tall shrub planting**	**Drip/Bubbler**	**16,643**	**20%**
LW Bio-Retention	**Seeded native grasses**	**Spray**	**31,259**	**36%**
	Total		**85,022 sq.ft.**	**100%**

Hydrozone
HW = High Water Use Plants
MW = Moderate Water Use Plants
LW = Low Water Use Plants
VLW= Very Low Water Us –Non Irrigated
Trees are assumed a 40 s.f. area for watering each.

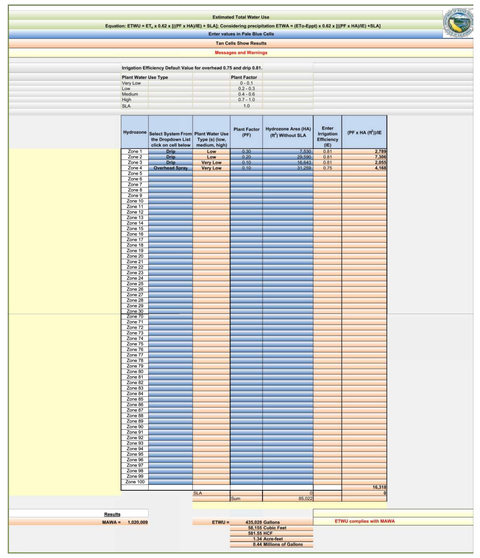
Maximum Applied Water Allowance Calculations for New and Rehabilitated Non-Residential Landscapes

Enter value in Pale Blue Cells

Tan Cells Show Results

Messages and Warnings

Click on the blue cell on right to Pick City Name	Fremont	Name of City
ET_o of City from Appendix A	47.00	ET_o (inches/year)
	31259	Overhead Landscape Area (ft^2)
	53,763	Drip Landscape Area (ft^2)
	0	SLA (ft^2)
Total Landscape Area	85,022	
Results:		
(ET_o) x (0.62) x [(0.45 x LA) + (1.0 - 0.45) X SLA)]	-	Gallons
	-	Cubic Feet
	-	HCF
	-	Acre-feet
	-	Millions of Gallons
MAWA calculation incorporating Effective Precipitation (Optional)		
Precipitation (Optional)		
ET_o of City from Appendix A	47	ET_o (inches/year)
Total Landscape Area	85,022	LA (ft^2)
Special Landscape Area	0	SLA (ft^2)
	16	Total annual precipitation (inches/year)
Enter Effective Precipitation	4.00	Eppt (in/yr)(25% of total annual precipitation)
Results:		
MAWA = [$(ET_o$ - Eppt) x (0.62)] x [(0.45 x LA) + ((1.0 - 0.45) x SLA)]	1,020,009	Gallons
	136,355.81	Cubic Feet
	1,363.56	HCF
	3.13	Acre-feet
	1.02	Millions of Gallons



PRELIMINARY IRRIGATION CALUCLATIONS

GreenDesign
Landscape Architects, Inc.
1464 Popinjay Drive
Reno, NV.
p: 775 829 1364
email: bhatch00@charter.net

Owner:

PROLOGIS

3353 GATEWAY BLVD.
FREMONT, CA 94538-6526
TEL: (510) 661-4000

Project:
Central Avenue

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Title:

PRELIMINARY LANDSCAPE PLAN

Project Number:	0
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REVISED	10-31-22
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REVISED	5-16-23
REVISED	11-8-23

Sheet:

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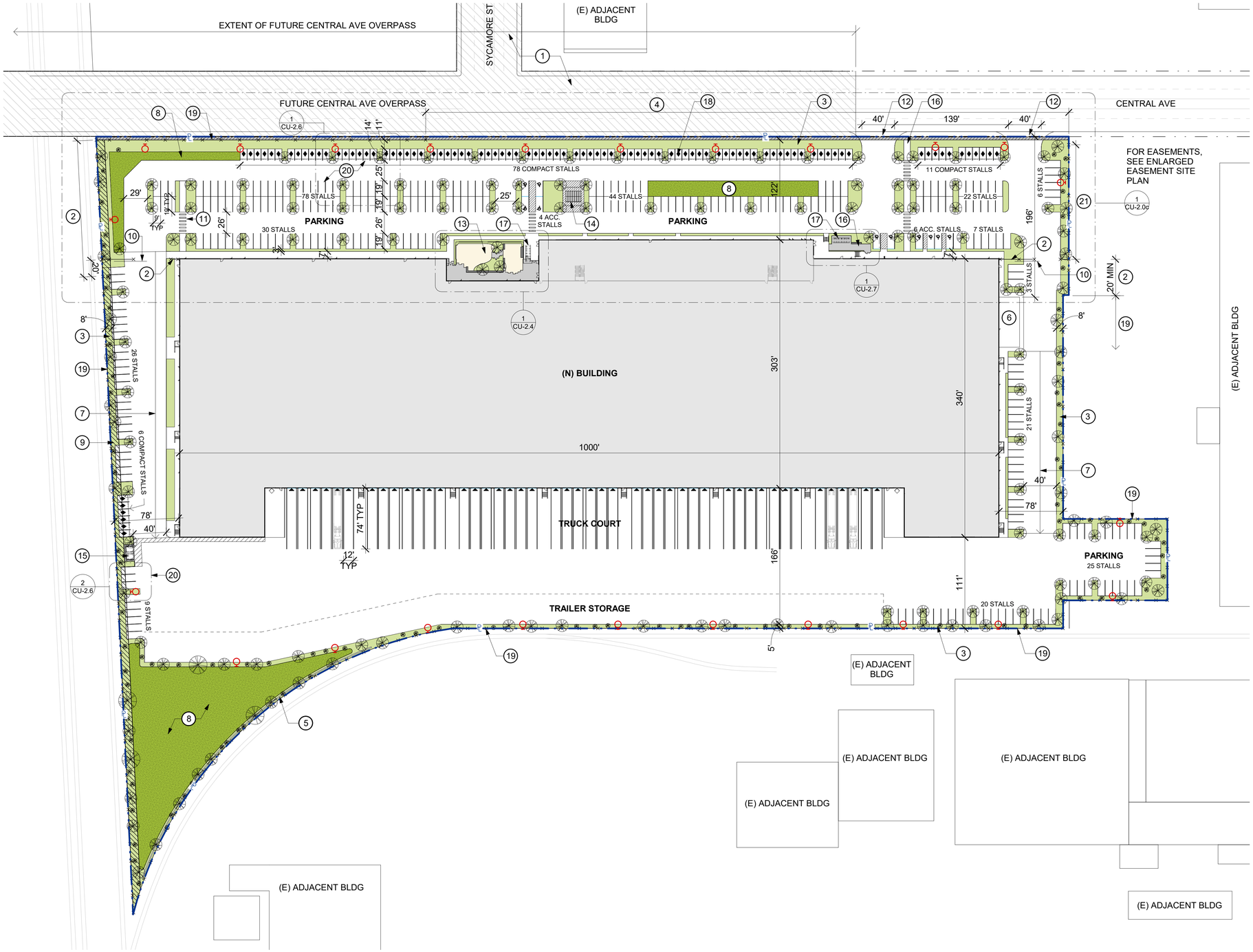

1 PROPOSED SITE PLAN
1" = 60'-0"

RN

PROJECT INFORMATION

BUILDING AND SITE AREA

SITE AREA	IN S.F.	756,061 SF
	IN ACRES	17.4 ACRES
BUILDING AREA	INDUSTRIAL	281,584 SF
	OFFICE	33,806 SF
	TOTAL	315,390 SF
COVERAGE		37.6 %

ON-SITE PARKING SPACES

REQUIRED	OFFICE (1/300 SF)	113
	INDUSTRIAL (1/1000 SF)	282
	TOTAL	**395**
PROVIDED	STANDARD (9 x 19')	291
	ACCESSIBLE (9' x 19')	10
	COMPACT (8'-6" x 14')	95
	TOTAL	396

BICYCLE PARKING

REQUIRED	LONG-TERM (1:30 VEHICLE SPACES)	14
	SHORT-TERM (5% OF REQ'D VEHICLE SPACES)	20
PROVIDED	BIKE LOCKERS (LONG-TERM)	14
	SHORT-TERM	20

LOADING SPACES

REQUIRED	LOADING SPACES (5 SPACES / FIRST 75,000 SF, THEN 1 SPACE / EACH ADDITIONAL 75,000 SF)	9
PROVIDED	DOCK DOORS	46
	DRIVE-IN DOORS	2

ZONING

ZONING DESIGNATION		GENERAL INDUSTRIAL
MAXIMUM BUILDING HEIGHT ALLOWED		200 FT
MAXIMUM FLOOR AREA RATIO		NONE
SETBACKS	FRONT	10 FT
	SIDE	15 FT
	REAR	20 FT

NOTES

GENERAL NOTES:

1. AN AUTOMATIC SPRINKLER SYSTEM WILL BE INSTALLED THROUGHOUT THE BUILDING PER NFPA-13 STANDARDS.

2. WATER EFFICIENT PLUMBING FIXTURES AND IRRIGATION SHALL BE IMPLEMENTED PER ACWD MEASURES.

SPECIFIC NOTES:

1. NEW OVERPASS AT CENTRAL AVENUE AND SYCAMORE STREET
2. 6' HIGH PREFINISHED VERTICAL TUBE STEEL FENCE. SEE CU-1.6 FOR IMAGE & ELEVATION
3. LANDSCAPING PROVIDED WITHIN FRONT SETBACK AND AT SIDE AND REAR PROPERTY LINES, SEE LANDSCAPE PLAN
4. NO FENCE AT PORTION OF FRONTAGE ADJACENT TO OVERPASS WALL OR AT GRADE PORTION OF CENTRAL AVE
5. RETAINING WALL W/ CHAIN LINK FENCE ABOVE
6. TRANSFORMER LOCATION. EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW WITH TREES AND LANDSCAPING. TRANSFORMER TO BE PAINTED DARK GREEN TO BLEND IN WITH SURROUNDING LANDSCAPE AREA.
7. SLOPED GRADING AT SIDES OF BUILDING DOWN TO LOWERED TRUCK COURT
8. STORMWATER PLANTER AREA
9. HATCHED AREA INDICATES 10' WIDER SEWER AND WATER EASEMENT IN FAVOR OF SOUTHERN PACIFIC COMPANY
10. ROLLING TUBE STEEL GATE TO REMAIN OPEN DURING BUSINESS HOURS
11. CROSSWALK
12. CURB CUT PER CITY STANDARD PLANS, SEE CIVIL DRAWINGS FOR ADDITIONAL DETAILS
13. EMPLOYEE OPEN SPACE, SEE CU-2.4 & CU-2.5
14. LONG TERM BICYCLE LOCKERS. SEE DR-6.2 FOR DETAILS
15. TRASH ENCLOSURE
16. ACCESSIBLE ROUTE TO BUILDING ENTRANCE
17. SHORT TERM BICYCLE PARKING, SEE CU-6.2 FOR DETAILS
18. PER NMC SECTION 17.23.090(G)(2), COMPACT STALL TO UTILIZE 2' OVERHANG OVER LANDSCAPING. STALL TO BE LABELED "COMPACT," TYP
19. 6' HIGH CHAIN LINK FENCE AT PROPERTY LINE
20. SEE CU-2.6 FOR ENLARGED PARKING PLAN
21. 3' HIGH PREFINISHED VERTICAL TUBE STEEL FENCE AT PROPERTY LINE. SEE CU-1.6 FOR IMAGE & ELEVATION

LEGEND

- DOCK DOOR
- DRIVE IN DOOR
- SITE LIGHTING FIXTURE
- COMPACT PARKING STALL
- ACCESSIBLE PARKING STALL
- STANDARD PARKING STALL

Jackson Liles ARCHITECTURE
jacksonliles.com / 415.621.1799

PROPOSED SITE PLAN

CU-2.0a

1" = 60'-0"
01/27/25

6756 CENTRAL AVE

6756 Central Ave
Newark, CA 94560

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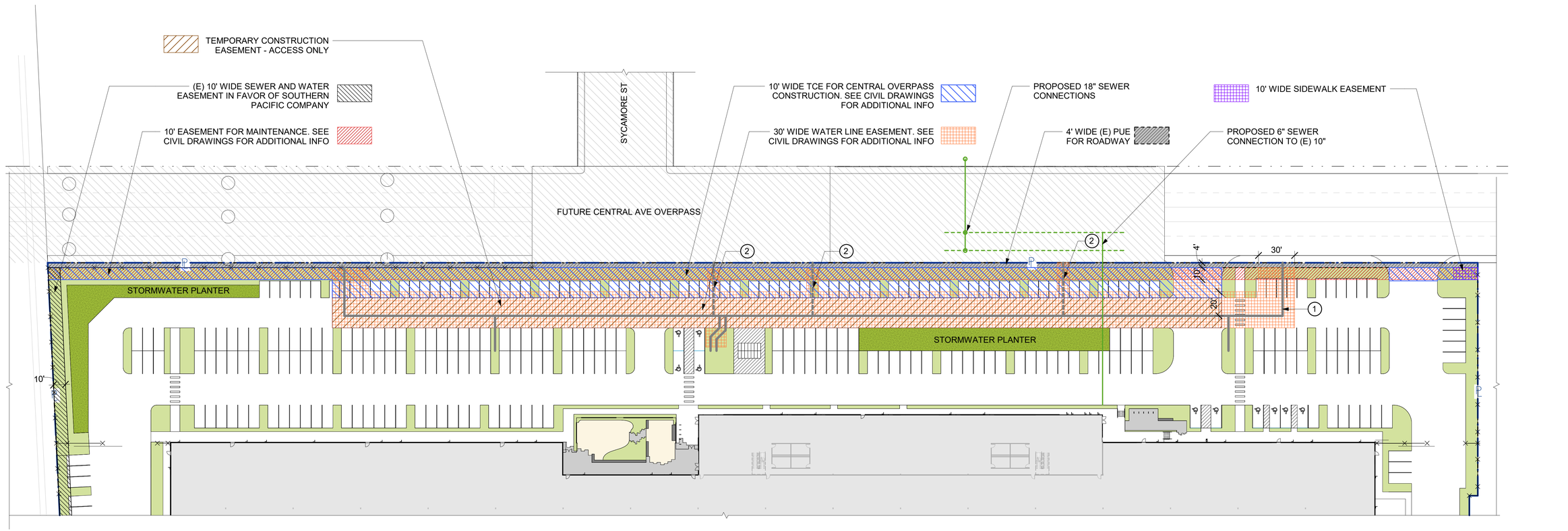

1 ENLARGED EASEMENT SITE PLAN
1" = 40'-0"

RN

NOTES

GENERAL NOTES:

1. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO PROPOSED EASEMENTS

2. NOTE THAT THE EASEMENT CONFIGURATIONS ARE UNDER DISCUSSION WITH THE CITY AND HAVE NOT BEEN FINALIZED

SPECIFIC NOTES:

1. (N) WATER LINE ALIGNMENT WITHIN WATER LINE EASEMENT
2. (N) WATER LATERAL

Jackson Liles ARCHITECTURE
jacksonliles.com / 415.621.1799

ENLARGED EASEMENT SITE PLAN

CU-2.0c

1" = 40'-0"
01/27/25

6756 CENTRAL AVE

6756 Central Ave
Newark, CA 94560

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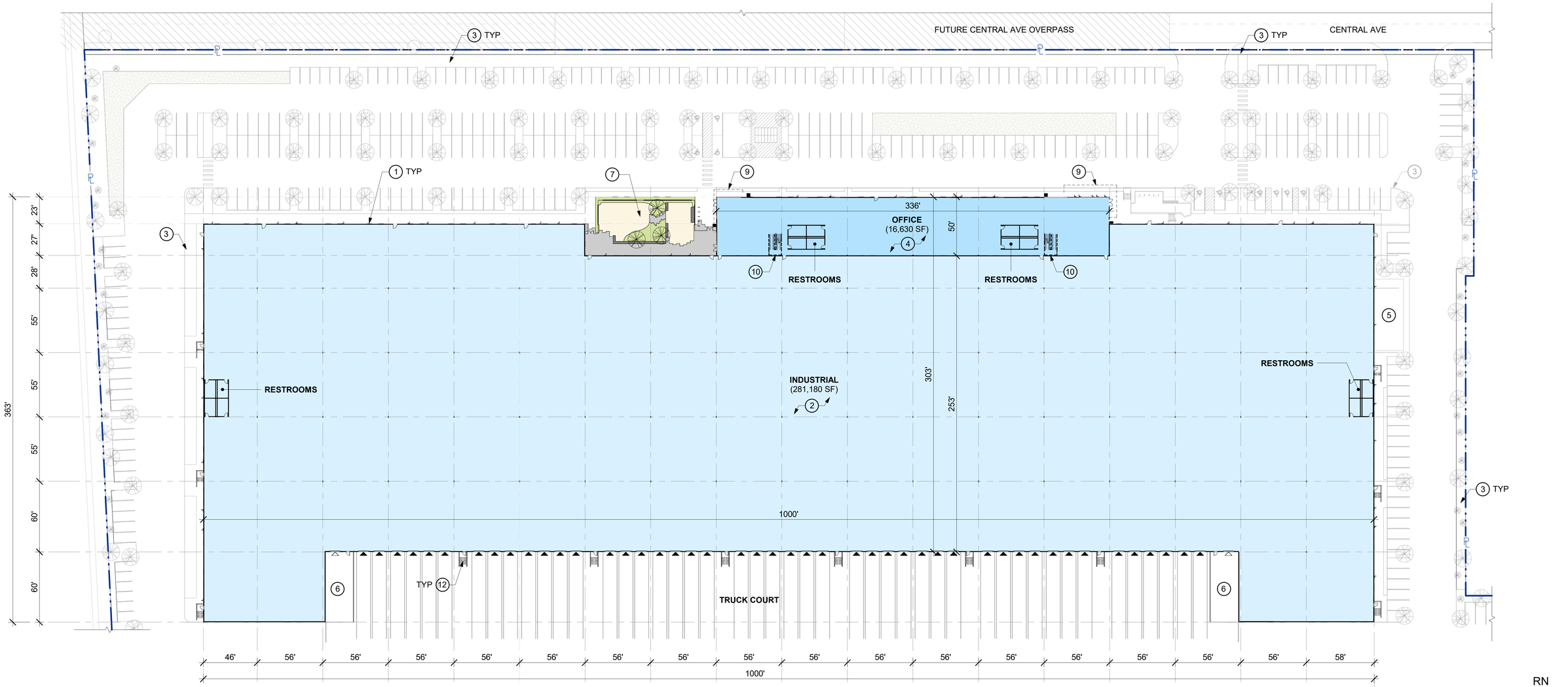

1 FLOOR PLAN - LEVEL 1
1" = 40'-0"

NOTES

GENERAL NOTES:

1. AN AUTOMATIC SPRINKLER SYSTEM WILL BE INSTALLED THROUGHOUT THE BUILDING PER NFPA-13 STANDARDS.

2. WATER EFFICIENT PLUMBING FIXTURES AND IRRIGATION SHALL BE IMPLEMENTED PER ACWD MEASURES.

SPECIFIC NOTES:

1. TILT UP SLAB CONSTRUCTION, TYP AT BUILDING EXTERIOR
2. SLAB ON GRADE
3. LANDSCAPING, SEE LANDSCAPE PLAN
4. MEZZANINE ABOVE
5. TRANSFORMER LOCATION
6. VEHICLE/FORK LIFT RAMP
7. OUTDOOR AMENITY, SEE SHEET CU-2.4
8. STAIR OPEN TO OFFICE
9. LINE OF CANOPY ABOVE
10. STAIR OPEN TO OFFICE
11. ENCLOSED MEZZANINE LEVEL
12. EXTERIOR STAIR

LEGEND

- DOCK DOOR
- DRIVE IN DOOR
- SITE LIGHTING FIXTURE

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FLOOR PLAN - LEVEL 1

CU-2.1

1" = 40'-0"
01/27/25

6756 CENTRAL AVE

6756 Central Ave
Newark, CA 94560

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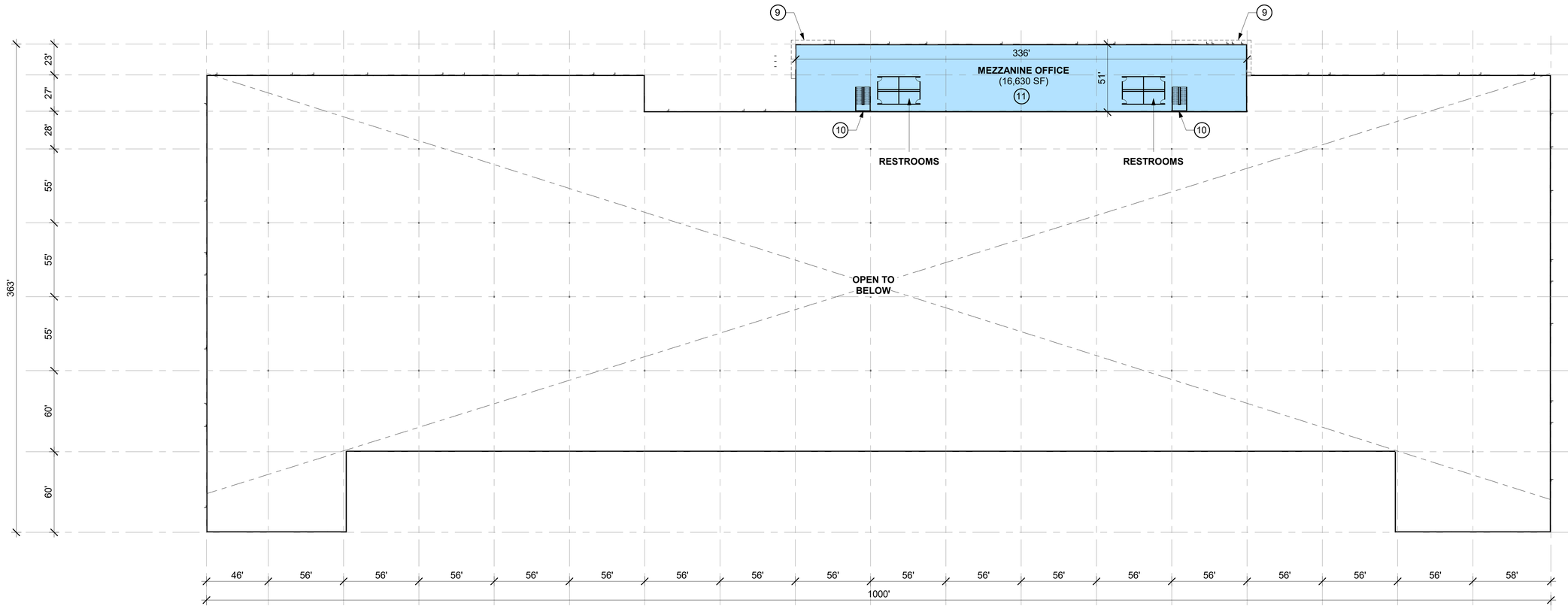

1 FLOOR PLAN - MEZZANINE
1" = 40'-0"

RN

NOTES

GENERAL NOTES:

1. AN AUTOMATIC SPRINKLER SYSTEM WILL BE INSTALLED THROUGHOUT THE BUILDING PER NFPA-13 STANDARDS.

2. WATER EFFICIENT PLUMBING FIXTURES AND IRRIGATION SHALL BE IMPLEMENTED PER ACWD MEASURES.

SPECIFIC NOTES:

1. TILT UP SLAB CONSTRUCTION, TYP AT BUILDING EXTERIOR
2. SLAB ON GRADE
3. LANDSCAPING, SEE LANDSCAPE PLAN
4. MEZZANINE ABOVE
5. TRANSFORMER LOCATION
6. VEHICLE/FORK LIFT RAMP
7. OUTDOOR AMENITY, SEE SHEET CU-2.4
8. STAIR OPEN TO OFFICE
9. LINE OF CANOPY ABOVE
10. STAIR OPEN TO OFFICE
11. ENCLOSED MEZZANINE LEVEL
12. EXTERIOR STAIR

LEGEND

- DOCK DOOR
- DRIVE IN DOOR
- SITE LIGHTING FIXTURE

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FLOOR PLAN - MEZZANINE

CU-2.2

1" = 40'-0"
01/27/25

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6756 Central Ave
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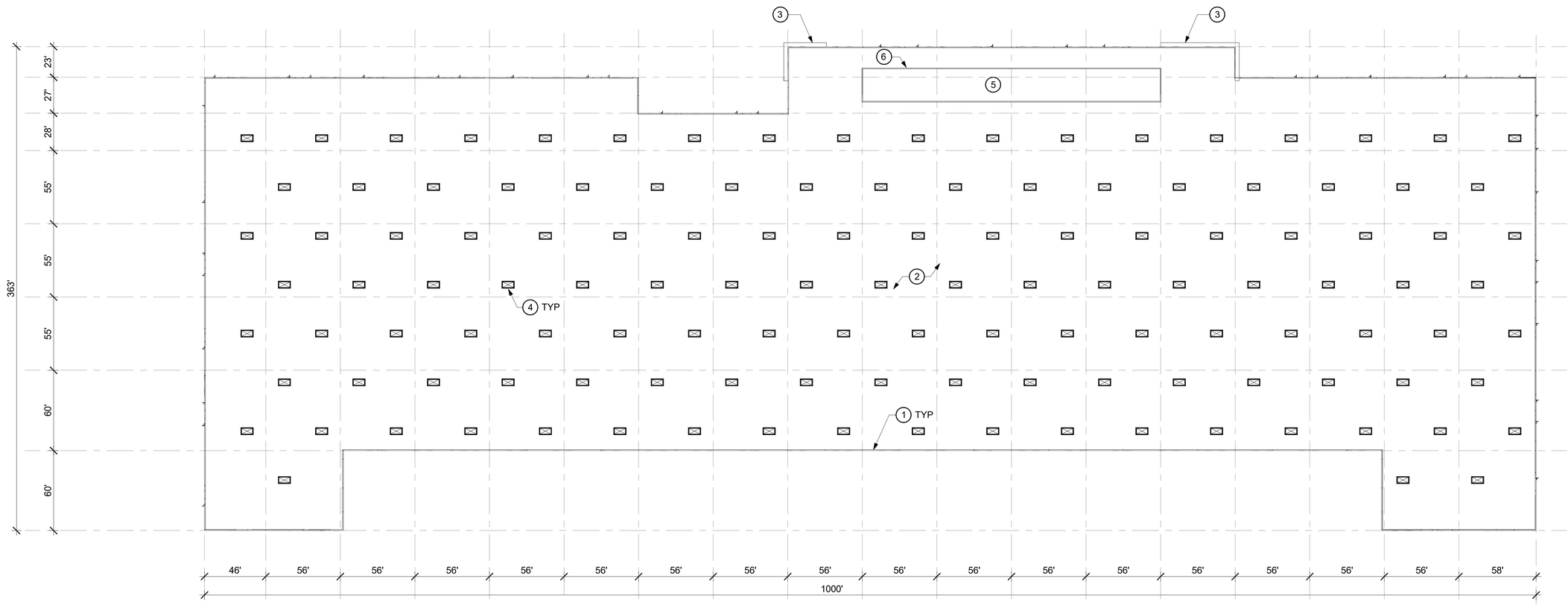

1 ROOF PLAN
1" = 40'-0"

RN

NOTES

GENERAL NOTES:

1. AN AUTOMATIC SPRINKLER SYSTEM WILL BE INSTALLED THROUGHOUT THE BUILDING PER NFPA-13 STANDARDS.

2. WATER EFFICIENT PLUMBING FIXTURES AND IRRIGATION SHALL BE IMPLEMENTED PER ACWD MEASURES.

SPECIFIC NOTES:

1. PARAPET
2. 4-PLY BUILT UP ROOF SYSTEM
3. CANOPY BELOW
4. SKYLIGHTS
5. AREA OF MECHANICAL EQUIPMENT, PROVIDE ROOF SCREEN
6. PRE-FINISHED METAL PANEL ENCLOSURE TO MATCH BUILDING EXTERIOR

LEGEND

- DOCK DOOR
- DRIVE IN DOOR
- SITE LIGHTING FIXTURE

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ROOF PLAN

CU-2.3

1" = 40'-0"
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1 ENLARGED PLAN - OUTDOOR AMENITY
1/8" = 1'-0"

RN

NOTES

1. PLANTS/LANDSCAPING
2. SEAT WALL, SEE CU-1.6 FOR COLOR & MATERIAL
3. SHADE TREES
4. EATING TABLES
5. CONCRETE PAVING WITH VARYING COLORS, SEE CU-1.5 FOR COLOR & MATERIAL
6. AMENITY ENTRANCE GATE, SEE CU-1.6 FOR COLOR & MATERIAL
7. PAINTED CEMENT BOARD OR SIMILAR FENCE, SEE CU-1.5 FOR COLOR & MATERIAL
8. PERFORATED METAL PANEL WITH STEEL FRAME, SEE CU-1.6 FOR COLOR & MATERIAL
9. SIDEWALK
10. CASUAL SEATING
11. OUTDOOR COOKING
12. BUILDING ENTRY
13. SHORT TERM BICYCLE RACK, SEE CU-6.2 FOR DETAILS

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ENLARGED PLAN - OUTDOOR AMENITY

CU-2.4
1/8" = 1'-0"
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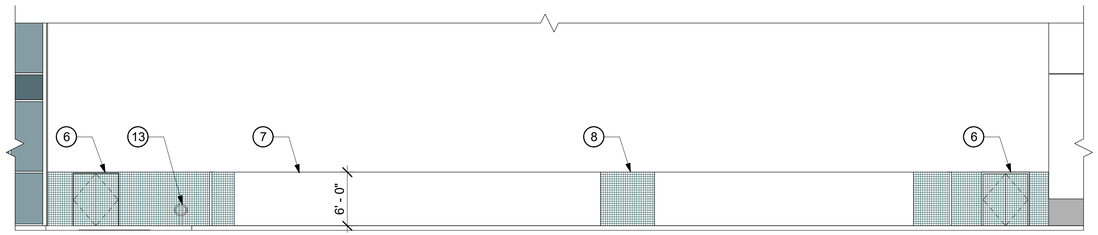
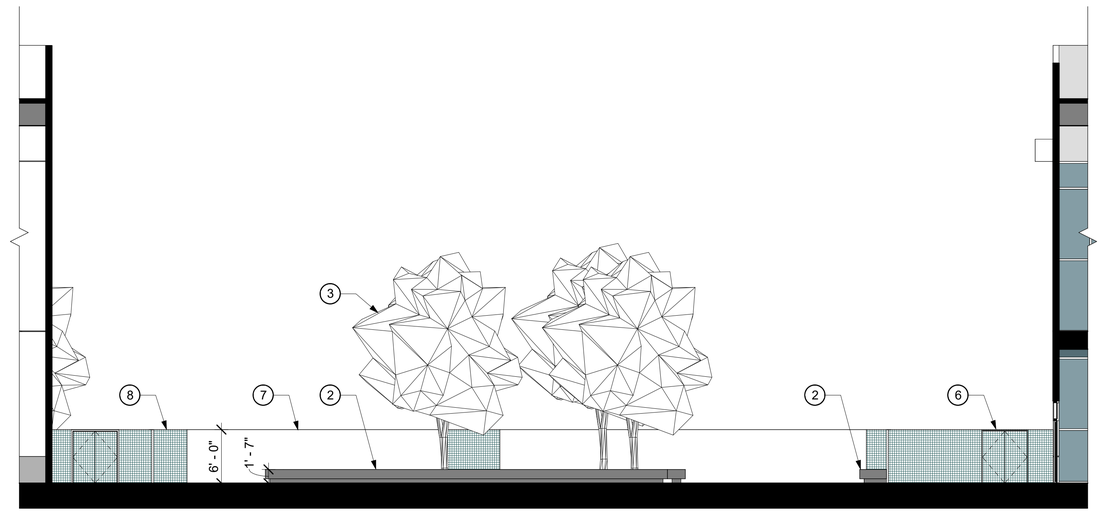


1 ENLARGED ELEVATION
1/8" = 1'-0"



2 ENLARGED SECTION
1/8" = 1'-0"

NOTES

1. PLANTS/LANDSCAPING
2. SEAT WALL, SEE CU-1.6 FOR COLOR & MATERIAL
3. SHADE TREES
4. EATING TABLES
5. CONCRETE PAVING WITH VARYING COLORS, SEE CU-1.5 FOR COLOR & MATERIAL
6. AMENITY ENTRANCE GATE, SEE CU-1.6 FOR COLOR & MATERIAL
7. PAINTED CEMENT BOARD OR SIMILAR FENCE, SEE CU-1.5 FOR COLOR & MATERIAL
8. PERFORATED METAL PANEL WITH STEEL FRAME, SEE CU-1.6 FOR COLOR & MATERIAL
9. SIDEWALK
10. CASUAL SEATING
11. OUTDOOR COOKING
12. BUILDING ENTRY
13. SHORT TERM BICYCLE RACK, SEE CU-6.2 FOR DETAILS

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ENLARGED ELEVATIONS - OUTDOOR AMENITY

CU-2.5

1/8" = 1'-0"
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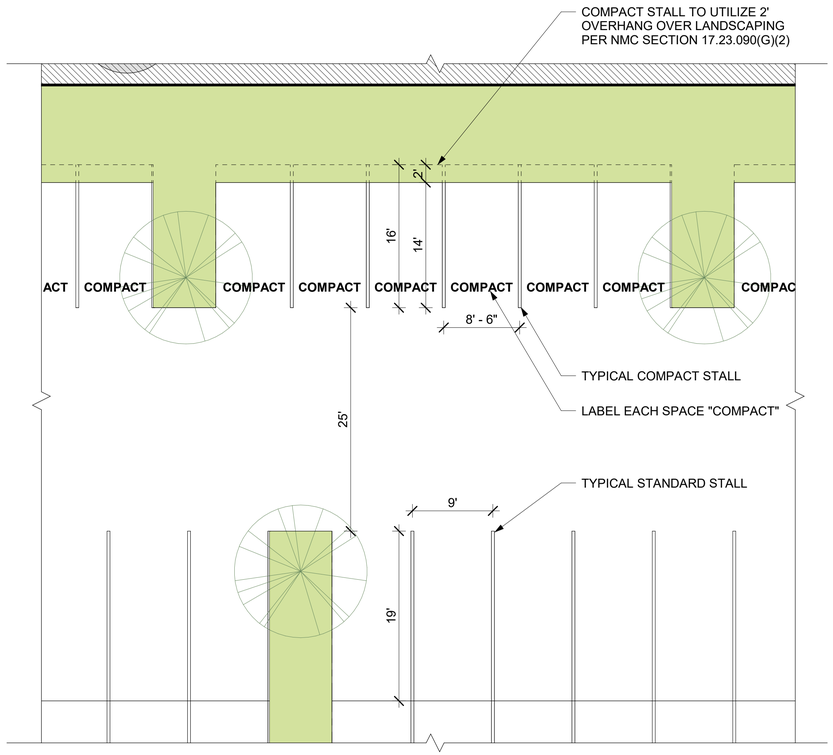
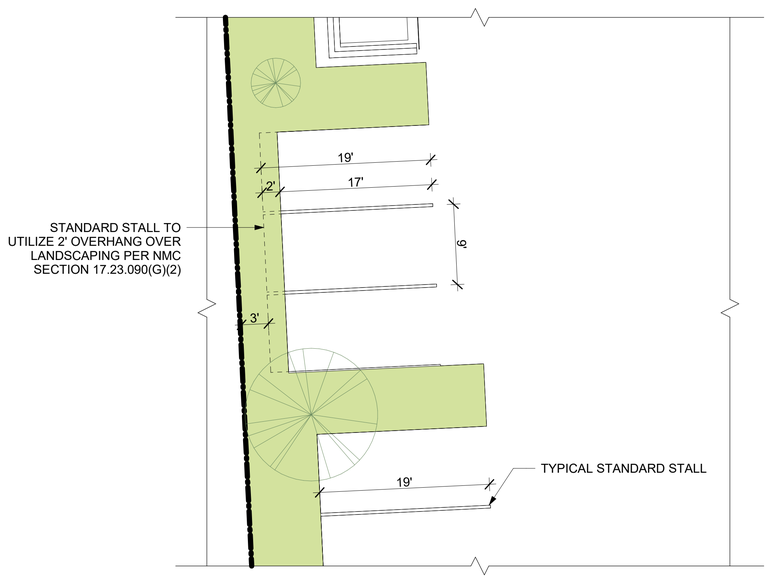


1 ENLARGED PLAN - PARKING
1/8" = 1'-0"



2 ENLARGED PLAN - PARKING
1/8" = 1'-0"

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ENLARGED PLAN - PARKING STALLS

CU-2.6

1/8" = 1'-0"
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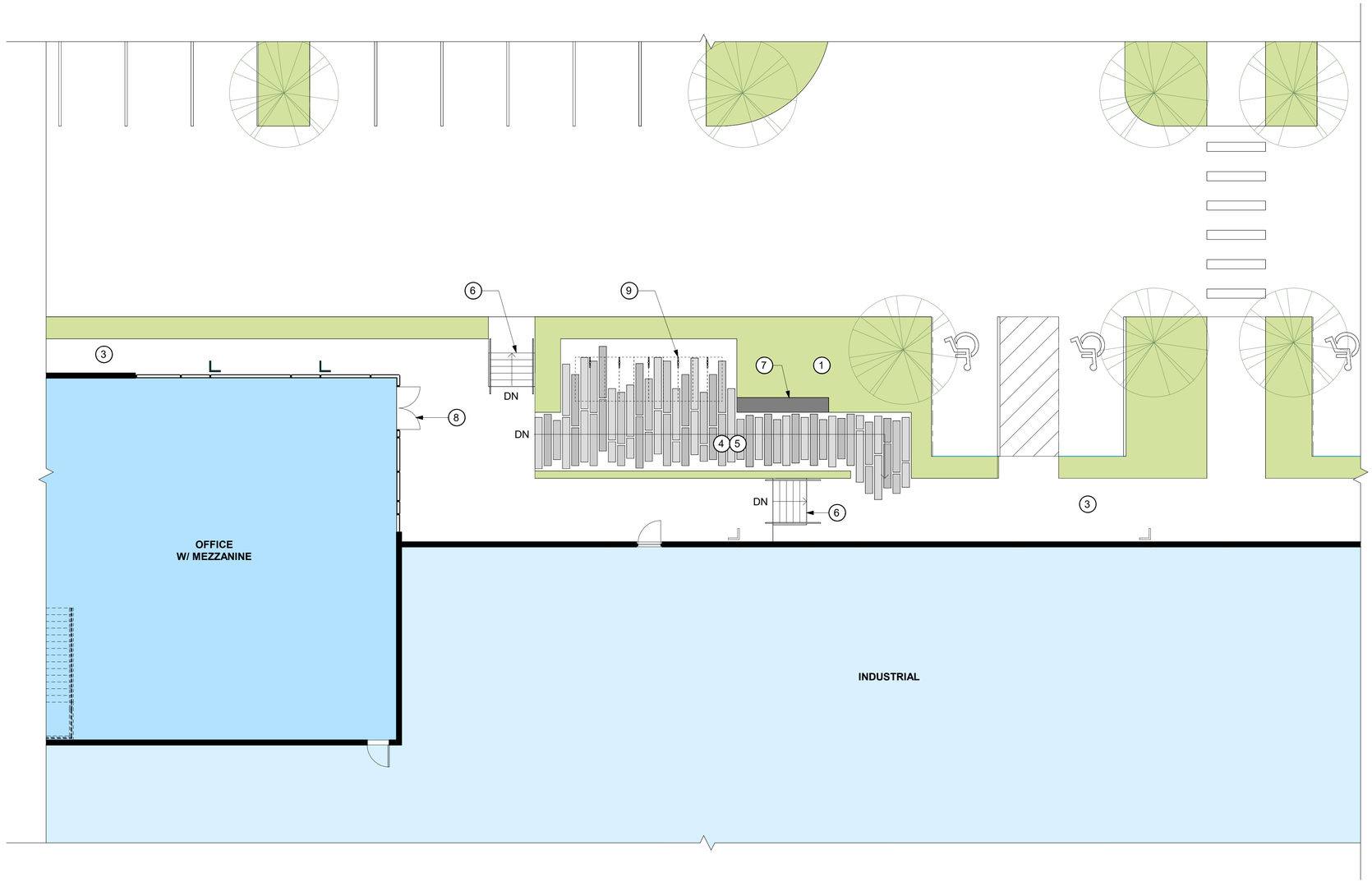

1 ENLARGED PLAN - MAIN ENTRY
1/8" = 1'-0"

RN

NOTES

1. PLANTS/LANDSCAPING
2. SEAT WALL, SEE CU-1.6 FOR COLOR & MATERIAL
3. SIDEWALK
4. SLOPED WALKWAY, 1:20 MAX SLOPE
5. CONCRETE PAVING WITH VARYING COLORS, SEE CU-1.5 FOR COLOR & MATERIAL
6. STAIR W/ HANDRAILS
7. SEAT WALL, SEE CU-1.6 FOR COLOR & MATERIAL
8. BUILDING ENTRY
9. SHORT TERM BICYCLE RACK, SEE CU-6.2 FOR DETAILS

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ENLARGED PLAN - MAIN ENTRY

CU-2.7
1/8" = 1'-0"
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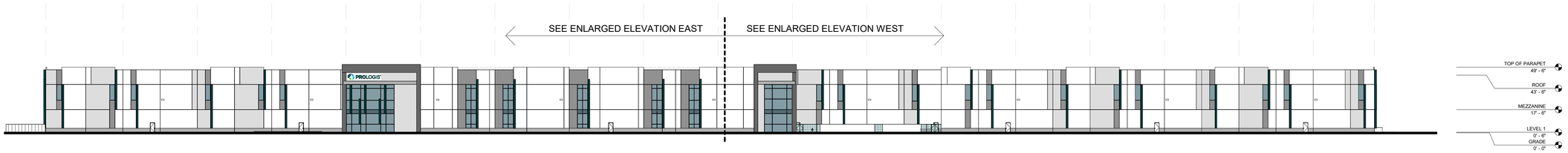
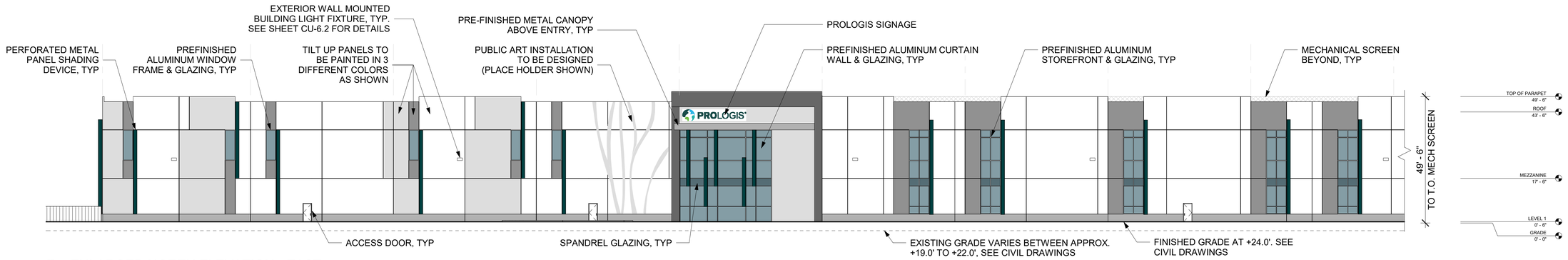


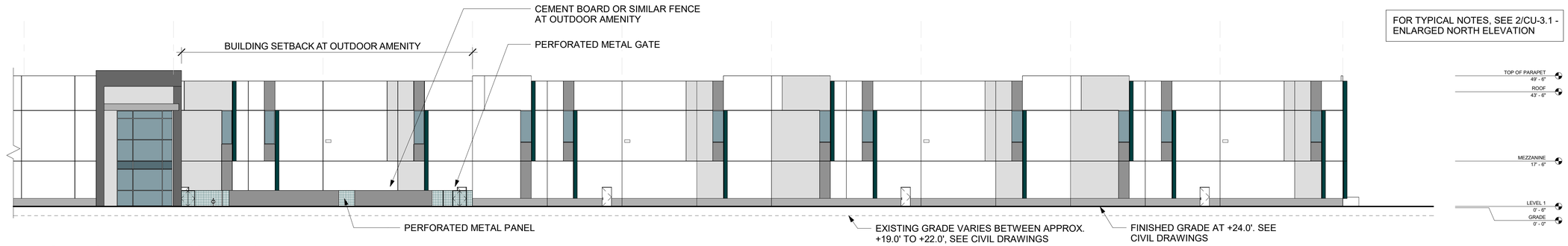
1 NORTH ELEVATION

1" = 40'-0"



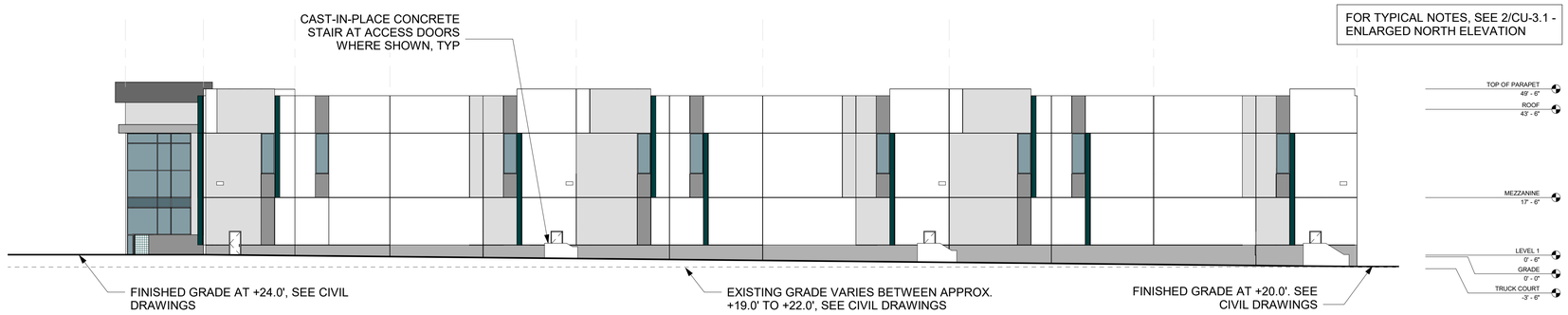
2 ENLARGED NORTH ELEVATION - EAST

1" = 20'-0"



3 ENLARGED NORTH ELEVATION - WEST

1" = 20'-0"



4 WEST ELEVATION

1" = 20'-0"

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NORTH & WEST ELEVATIONS

CU-3.1

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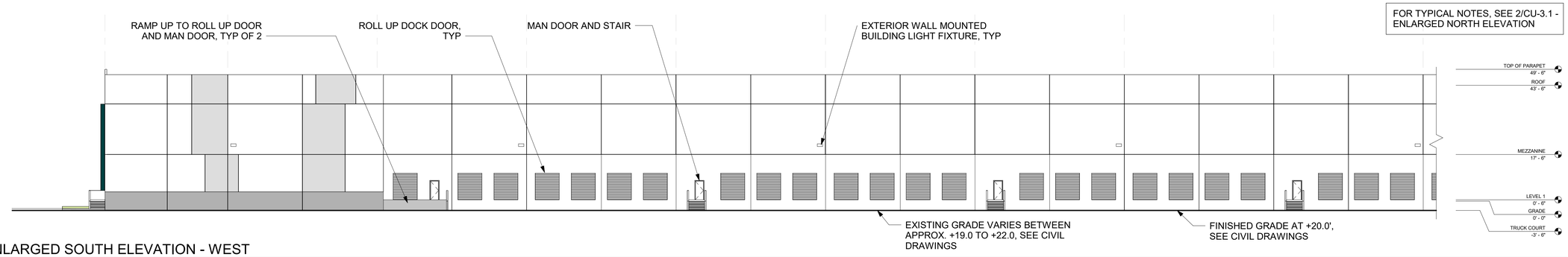
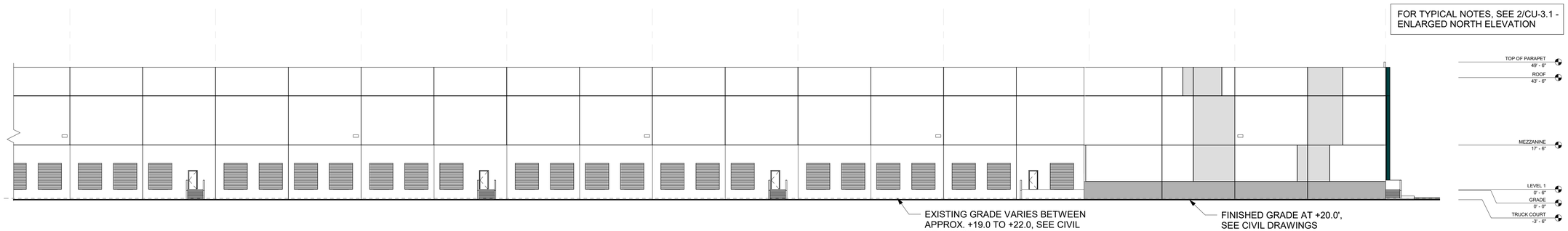
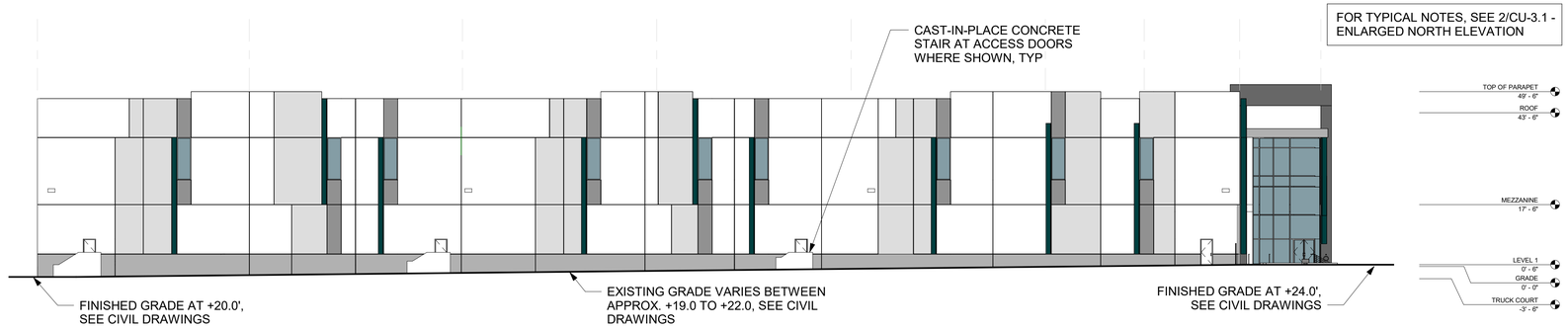
1 SOUTH ELEVATION
1" = 40'-0"



2 ENLARGED SOUTH ELEVATION - WEST
1" = 20'-0"



3 ENLARGED SOUTH ELEVATION - EAST
1" = 20'-0"



4 EAST ELEVATION
1" = 20'-0"

SOUTH & EAST ELEVATIONS

CU-3.2

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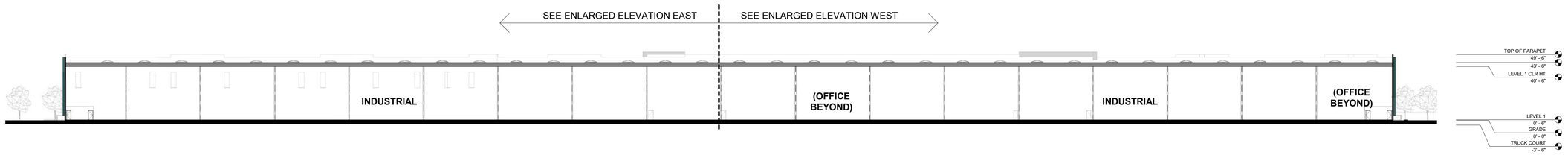
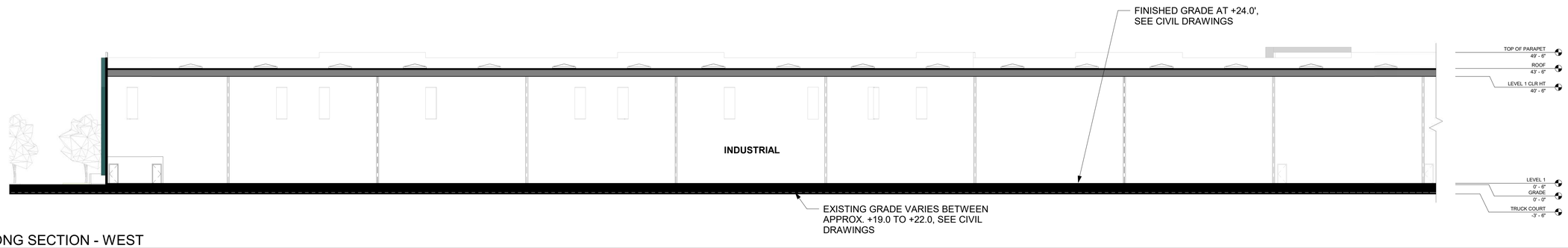
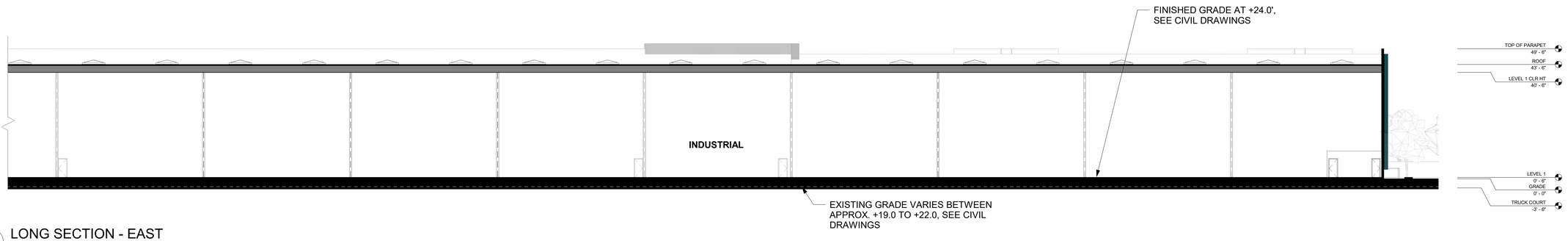


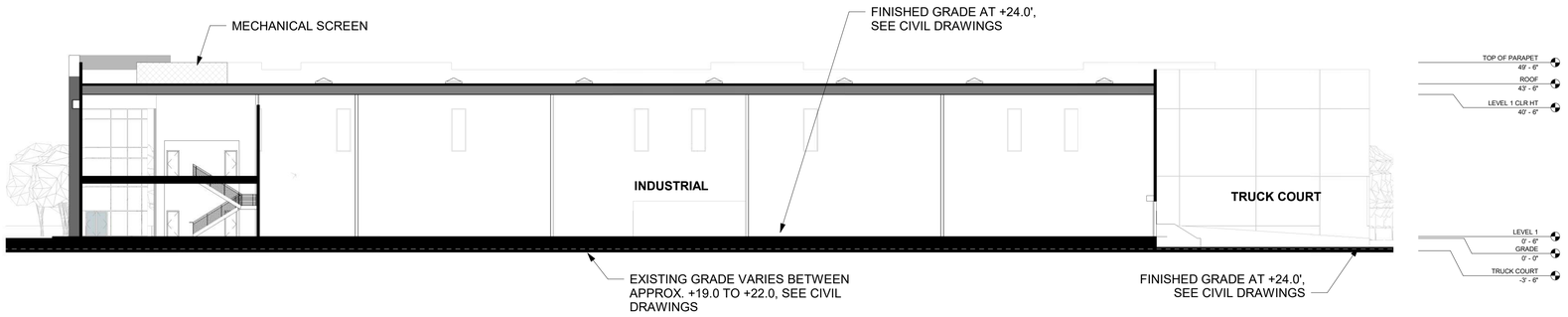
1 LONG SECTION
1" = 40'-0"



2 LONG SECTION - WEST
1" = 20'-0"



3 LONG SECTION - EAST
1" = 20'-0"



4 TRANSVERSE SECTION
1" = 20'-0"

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BUILDING SECTIONS

CU-4.1

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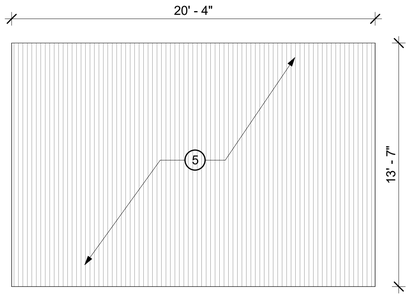
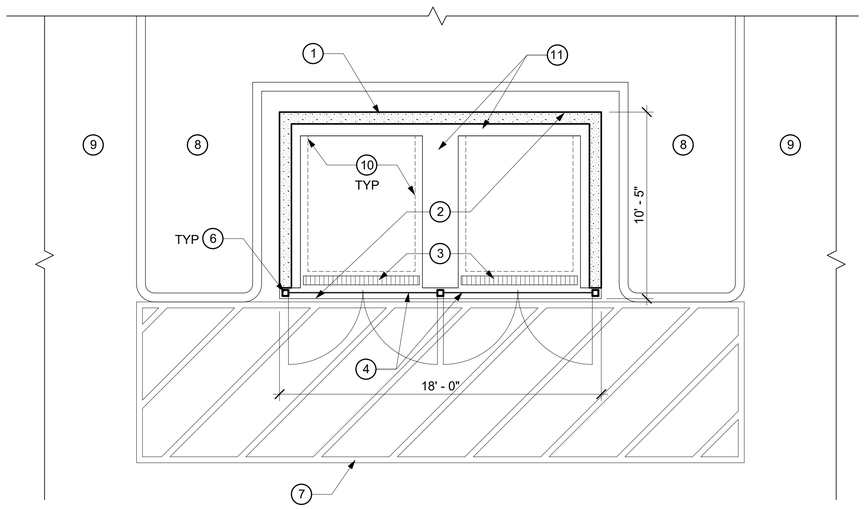
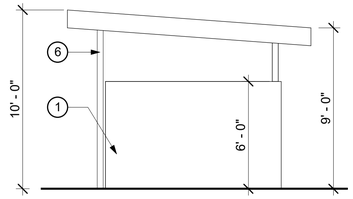


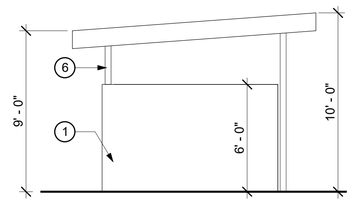
1 TRASH ENCLOSURE - ROOF PLAN
1/4" = 1'-0"



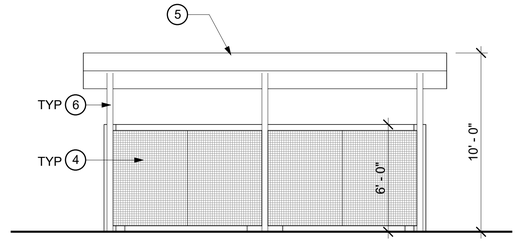
2 TRASH ENCLOSURE - PLAN
1/4" = 1'-0"



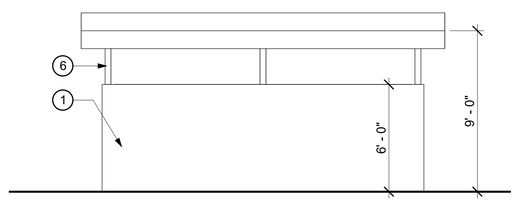
3 TRASH ENCLOSURE - NORTH ELEVATION
1/4" = 1'-0"



4 TRASH ENCLOSURE - SOUTH ELEVATION
1/4" = 1'-0"



5 TRASH ENCLOSURE - EAST ELEVATION
1/4" = 1'-0"



6 TRASH ENCLOSURE - WEST ELEVATION
1/4" = 1'-0"

NOTES

1. TILT UP CONCRETE WALL WITH FORMLINER PATTERN TO MATCH BUILDING
2. SLAB ON GRADE
3. DRAIN
4. PERFORATED METAL GATE TO MATCH MATERIAL ON BUILDING
5. CORRUGATED METAL ROOF
6. TUBE STEEL ROOF STRUCTURE
7. STRIPING TO INCLUDE "NO PARKING" TEXT
8. ADJACENT LANDSCAPING AND CONCRETE CURB
9. PARKING STALL
10. OUTLINE OF 8 CUBIC YARD DUMPSTER - 72" X 91" X 72"
11. CONCRETE CURB

LEGEND

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TRASH ENCLOSURE DETAILS

CU-6.1

1/4" = 1'-0"
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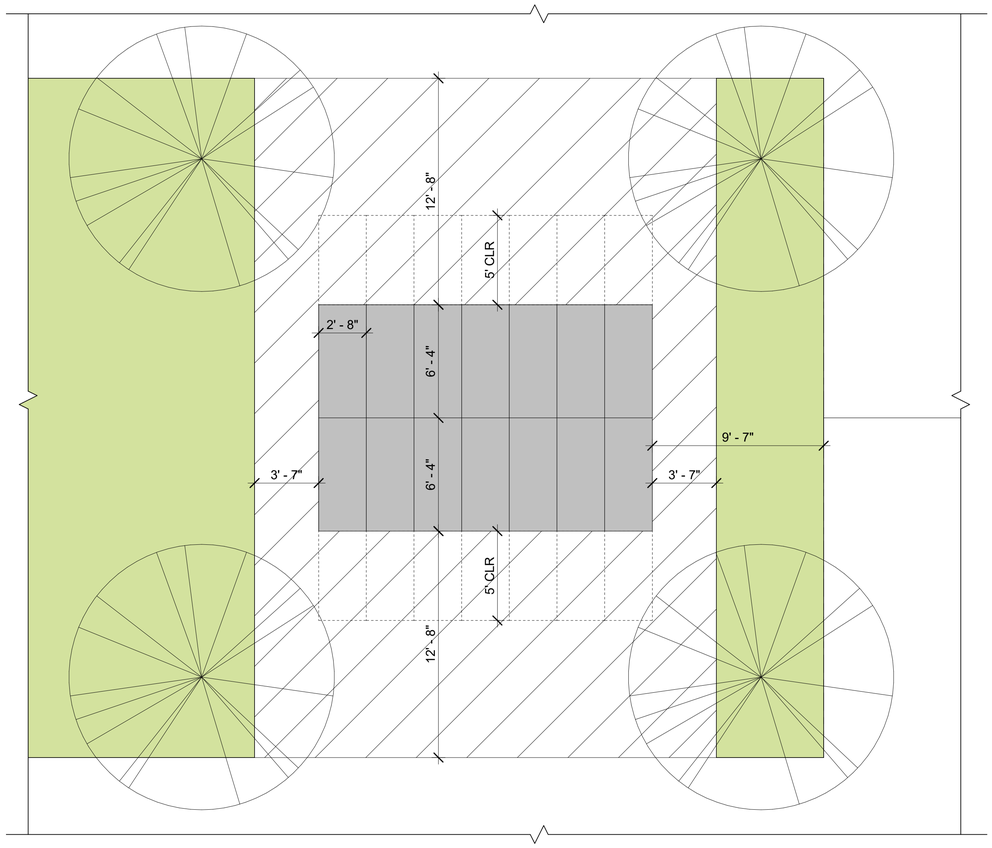
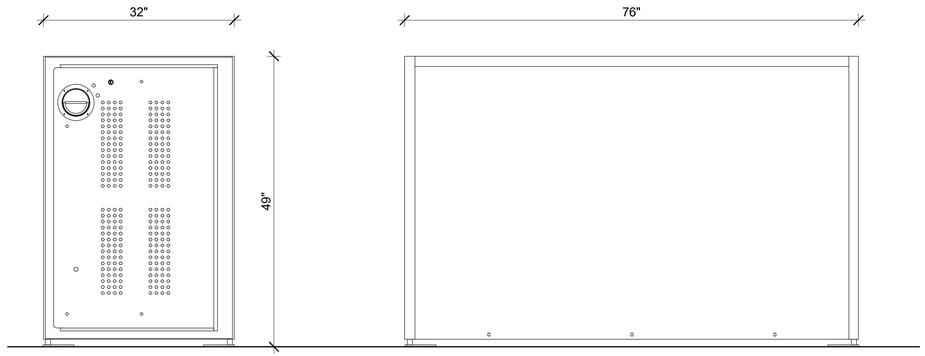


1 LONG TERM BICYCLE LOCKERS - ENLARGED PLAN
1/4" = 1'-0"



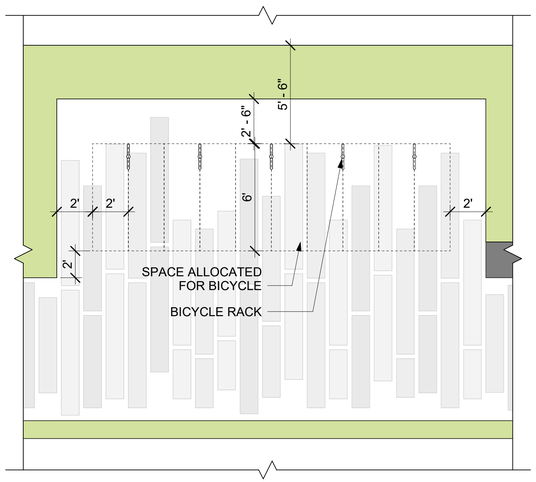
4 LONG TERM BICYCLE LOCKER - ELEVATIONS
1" = 1'-0"



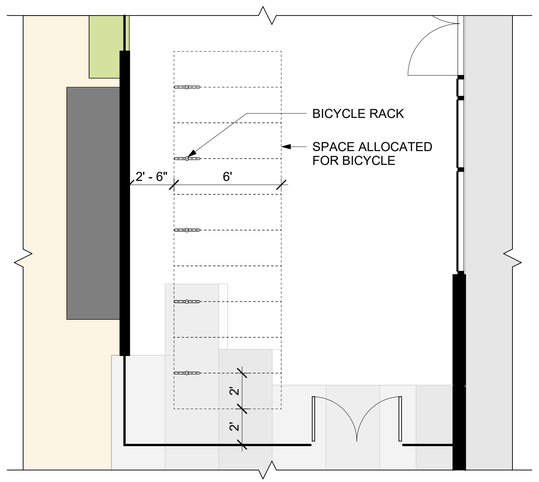
SHORT TERM BICYCLE RACK - GRAY



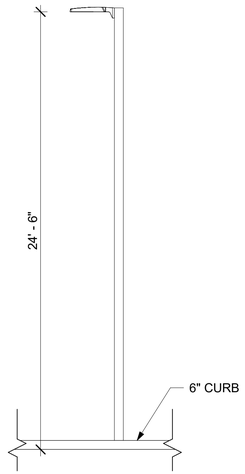
LONG TERM BICYCLE LOCKER - GRAY



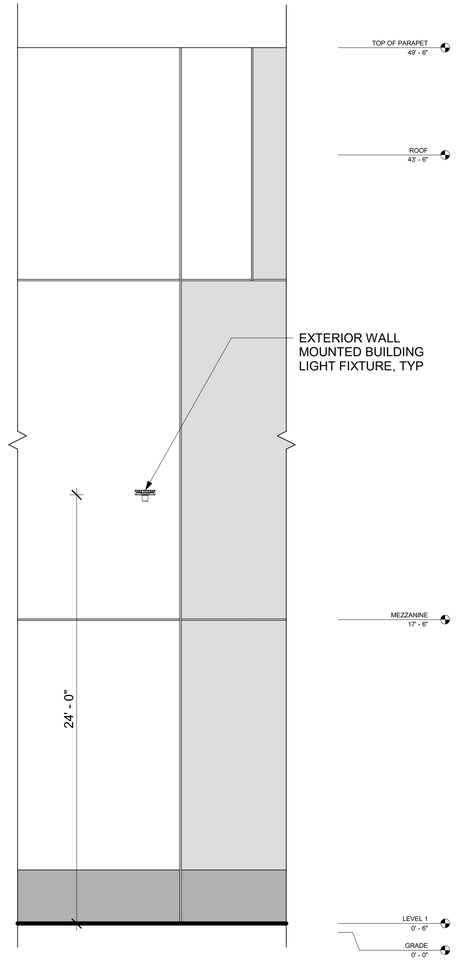
2 SHORT TERM BICYCLE PARKING - MAIN ENTRY
1/4" = 1'-0"



3 SHORT TERM BICYCLE PARKING - OUTDOOR AMENITY
1/4" = 1'-0"



5 LIGHTING FIXTURE - POST MOUNTED - SIDE ELEVATION
1/4" = 1'-0"



6 LIGHTING FIXTURE - WALL MOUNTED - FRONT ELEVATION
1/4" = 1'-0"



EXTERIOR LIGHTING FIXTURE - BLACK

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SITE FIXTURE DETAILS

CU-6.2

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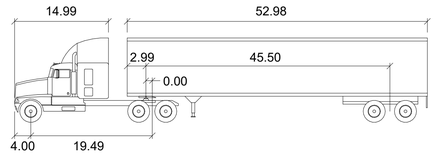
DESIGN VEHICLE



WB-67

Feet

Tractor Width	:	8.01	Lock to Lock Time	:	6.0 s
Trailer Width	:	8.50	Steering Angle	:	28.4 deg
Tractor Track	:	8.01	Articulating Angle	:	75.0 deg
Trailer Track	:	8.50			

LEGEND

LONG HAUL TRUCK ENTRY

LONG HAUL TRUCK EXITING

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APPENDIX 1 - LONG HAUL TRUCK TURNING

CU-A.1

6756 CENTRAL AVE

1" = 60'-0"
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ENVIRONMENTAL CHECKLIST FOR STREAMLINED REVIEW

PURSUANT TO CALIFORNIA PUBLIC RESOURCES CODE SECTION 21083.3 AND CEQA GUIDELINES SECTION 15168 and 15183

6756-6792 CENTRAL AVENUE INDUSTRIAL BUILDING DEVELOPMENT PROJECT

Prepared For:

City of Newark
37101 Newark Boulevard
Newark, CA 94560



Prepared By:

M-Group
51 E. Campbell Ave #1247
Campbell, CA 95009

June 2025

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6756-6792 CENTRAL AVENUE INDUSTRIAL BUILDING DEVELOPMENT PROJECT
CEQA ENVIRONMENTAL CHECKLIST FOR STREAMLINED REVIEW

Project Title:	6756-6792 Central Avenue Industrial Building Development Project	
Lead Agency:	City of Newark 37101 Newark Boulevard Newark, CA 94560	
Contact Person:	Joseph Balatbat Phone: (510) 578-4042 Email: joseph.balatbat@newarkca.gov	
Project Location:	6756-6792 Central Avenue, City of Newark, Alameda County, California APNs 092A-2165-014, -015, -016, and -017	
Property Sponsor and Owner(s):	Property Owner: Prologis LP Pier 1, Bay 1 San Francisco, CA 94111 (510) 661-4038	Project Applicant: Ryan Marshall Pier 1, Bay 1 San Francisco, CA 94111 (415) 733-9411
General Plan Designation:	General Industrial	
Zoning:	General Industrial (GI)	
Description of Project:	The Project proposes the demolition of all existing buildings and site improvements on an approximately 17.4-acre site and the construction of an approximately 315,390 square-foot new industrial building. The new industrial building includes approximately 33,806 square feet of office space and 281,584 square feet of industrial space. Associated improvements include drive aisles for circulation and two 40-foot-wide driveways providing access to the site from Central Avenue. The Project would provide 396 on-site parking spaces, which include 291 standard spaces, 10 accessible spaces, and 95 compact spaces. In addition, 46 loading spaces with dock doors and 2 loading spaces with drive-in doors are proposed. The Project would also include 14 long-term bike lockers and 20 short-term bike parking spaces. Ancillary improvements include landscaping, fencing, and lighting.	
Surrounding land uses and setting; briefly describe the project's surroundings:	The most recent General Plan, adopted in 2013, designates the areas surrounding the Project site for General Industrial use. The Project site is bordered by a Union Pacific right-of-way to the south, manufacturing and industrial use facilities to the east and west (beyond Central Avenue), and a commercial laundry facility (Mission Linen Supply) to the north. Central Avenue is located along the Project Site's frontage, providing direct access to the site. The Project is located approximately 1.43 miles southwest of the interchange of I-880 and Mowry Avenue, allowing access to and from I-880; Mowry Avenue crosses I-880 with an overpass.	
Other public agencies whose approval is required (e.g. permits, financial, or participation agreements):	San Francisco Regional Water Quality Control Board (SFRWQCB) Alameda County Water District (ACWD) Alameda County Flood Control and Water Conservation District (ACFCWCD) Union Sanitary District (USD) UPR (Union Pacific Railroad) PG&E (Pacific, Gas, & Electric)	

Have California Native American tribes requested consultation pursuant to Public Resources Code section 21080.3.1?	Public Resources Code Section 21080.3.1 requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if they have requested notice of projects proposed within that area. No tribes have requested notice of projects proposed in the city of Newark.

6756-6792 CENTRAL AVENUE INDUSTRIAL BUILDING DEVELOPMENT PROJECT

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APPENDICES

A. Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue, July 19, 2024, prepared by FirstCarbon Solutions.

B. Geotechnical Investigation, Central Avenue Logistics Center, October 13, 2022, prepared by Cornerstone Earth Group.

C-1. Phase I Environmental Site Assessment Report, April 30, 2024, prepared by Farallon Consulting.

C-2. Data Gap Investigation and Request for Site Closure, September 13, 2023, prepared by Farallon Consulting.

D-1. Acoustical Assessment, 6750 Central Avenue Project, City of Newark, California, December 2023, prepared by Kimley Horn.

D-2. General Plan Noise Policy Consistency Analysis, March 2023, prepared by Kimley Horn.

E. Transportation Impact Study, prepared by Kimley Horn, dated May 2025.

1. INTRODUCTION

This California Environmental Quality Act (CEQA) Analysis evaluates environmental impacts from the proposed 6756-6792 Central Avenue Development Project. The Project consists of the demolition of all existing improvements on the approximately 17.4-acre site to facilitate the construction and operation of a new 315,390-sf. industrial building and associated improvements (hereinafter referred to as the "Project"). Documentation herein has been prepared by the City of Newark as the lead agency as defined in Section 15367 of the CEQA Guidelines and in full accordance with the procedural and substantive requirements of CEQA Guidelines. This CEQA Analysis uses streamlining and tiering in accordance with CEQA Guidelines Sections 15183 and 15168 for consistency with the General Plan and the certified Environmental Impact Report (EIR).

2. PROJECT SUMMARY

The Project site is located at 6756-6792 Central Avenue (Assessor Parcel Numbers 092A-2165-014, -015, -016, and -017) northeast of the Union Pacific right-of-way intersection with Central Avenue, in the City of Newark, Alameda County, California. The Project proposes the demolition of all existing improvements on the approximately 17.4-acre site and the construction of an approximately 315,390 square feet industrial building comprised of 281,584 gross square feet in industrial area and 33,806 square feet in office. Construction will be tilt-up concrete with metal panel accents providing for both solar shading and architectural detail. The overall exterior height of the proposed structure would be 49'-6", to the top of the parapet.

The interior of the building would comprise the industrial space, 281,180 square feet in area and 40'-0" in clear height. The office area would comprise of approximately 16,630 square feet of interior space on the first floor and 16,630 square feet in the mezzanine office area above. The new industrial development would include outdoor amenity space for use by tenants at the west side of the building. Proposed associated improvements include internal drive aisles for circulation, onsite parking for employees, 46 loading truck dock doors and two drive-in doors located at the east side of the site, and two 40-foot-wide driveways providing access to the site from Central Avenue.

2.1. GENERAL PLAN AND ZONING

The City's current General Plan, adopted in 2013, designated the parcels surrounding the Project site as General Industrial (**Figure 3: Land Use**). The site has a Zoning Designation of General Industrial (GI) (**Figure 4: Zoning**). The General Industrial land use is intended to provide a wide range of manufacturing, warehousing, wholesaling, and distribution uses with a floor area ratio (FAR) between 0.2 and 2.5; site specific factors like height limits, parking and landscaping requirements, proximity to residential areas, and site size and dimensions can alter the allowed FAR.

2.2. VICINITY SETTING

The Project site is located in the central part of Newark in an industrial area of the city, adjacent to Central Avenue, and is surrounded by industrial land uses with manufacturing facilities to the east and west (across Central Avenue), a commercial laundry facility to the north, and the Union Pacific right-of-way to the south and east. The nearest residential use is over 650 feet northwest of the project site, near the intersection of Central Ave. and Cherry Street. Other nearby facilities include an existing logistics and distribution center across the Union Pacific tracks and storage yards to the southeast and northwest. The Cargill Salt Harvesting and processing facility is approximately 1,500 feet to the south-southwest of the Project site. The Project site is approximately 1.5 miles northwest of the developing Southwest Newark Residential and Recreational Focus Area.

The Project site is located 2.34 miles from State Route 84 (SR-84), which borders the city of Newark to the northwest, approximately 1.2 miles from Interstate 880 (I-880) that defines Newark's northeastern edge, and approximately 1.4 miles southwest of the I-880 and Mowry Avenue interchange. The interchange of I-880 and Mowry Avenue allows access to and from I-880; Mowry Avenue crosses I-880 with an overpass. Two bus stops located at the intersection of Central Avenue and Sycamore Street serve the Alameda-Contra Costa Transit District's 200 and 620 lines. **Figure 2: Project Site and Vicinity** shows the Project site location and its vicinity.

2.3. PROJECT SITE SETTING

The 17.4-acre Project site consists of four parcels and contains multiple easements. Parcels 092A-2165-015, -016, and -017 are vacant open spaces. Parcel number 092A-2165-014 is currently developed with a 27-foot tall single-story, 39,539 square foot, rectangular, concrete warehouse. Uncovered storage yards are located east of the warehouse and along the northwestern property line. The existing structure has no windows or pedestrian access points along the Central Avenue property line other than a vehicle access point on the northwest side of the building. The Project proposes to demolish all existing structures and hardscapes on site. No parcel to be redeveloped contains any historic resources listed on a municipal, state, or federal registry.

The Project site is enclosed by a six-foot (6') tall, metal chain-link barbed wire fence with portions along Central Avenue covered with tarp or plastic slats. The site was used as a materials storage yard, containing metal beams, pallets, trucks, concrete road barriers, wood, and metal scaffolding. However, the site has been cleared of these materials and existing surfaces on the Project site include unpaved ground, dirt roads, asphalt, concrete, and concrete pads. Currently, the site contains 695,179 square feet of impervious surface and 60,882 square feet of pervious surface.

Ten mature non-deciduous trees occupy the grass space between the existing concrete building and Central Avenue. The southwest portion of the Project site is mostly barren land with little vegetation. The northeast portion of the lot contains patches of dirt and grass with a few shrubs and a parking lot at the north side of the building.

The site is accessed via three existing, two-way driveways along Central Avenue on the western side of the building. The first driveway is located near the northernmost corner of the site, the second is south of the first driveway, separated by a distance of 139 feet. The third driveway is located approximately 40 feet southwest of the second driveway, near the intersection of Central Avenue and Sycamore Street, and is gated. An existing utility pole is located on site adjacent to this gated driveway.

At the Project Site frontage, Central Avenue extends at grade and provides two vehicle travel lanes in each direction. There are no existing sidewalks along Central Avenue proximate to the project site. The City of Newark is in the process of developing plans to construct an overpass along Central Avenue above the Union Pacific Railroad and in front of the Project site. The overpass would extend across approximately 75% of the Project's frontage.

2.4. PROJECT DESCRIPTION

The 6756-6792 Central Avenue Prologis Industrial Development Project proposes demolition of all existing buildings and hardscapes on the Project site and construction of an approximately 315,390 square-foot industrial building. The proposed building 49'-6" in height to the top of the parapet, with approximately 33,806 square feet of office space in the building. As described above, the interiors of the building would comprise the industrial space, 281,180 square feet in area and 40'-0" in clear height. The additional office area would comprise of 16,630 square feet of interior space on the first floor and 16,630 square feet above comprising the mezzanine.

Although there are no prospective tenants at the time of this environmental analysis, the Project would prohibit Cold Storage Use and Transport Refrigeration Units by including:

- Contractual language in all tenant lease agreements that will prohibit tenants from operating Transport Refrigeration Units (TRUs) within the project site;
- A restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property unless the applicant seeks and receives an amendment to its conditional use permit allowing such use, and
- A requirement that prior to granting approval of future application request(s) for cold storage and associated TRU usage, the applicant will provide a Health Risk Assessment of air toxic contaminants

emitted from operation demonstrating that TRUs would not result in a significant health impact as defined by BAAQMD threshold.[1]

As shown in **Figure 5: Site Plan,** the proposed industrial building is situated on the site facing Central Avenue (to the west of the site) with 46 truck dock doors and two drive-in doors proposed on the eastern portion of the site. The Project proposes both chain-link and steel tube fencing on the northern, eastern, and southern property lines. There is no fencing proposed along Central Avenue.

Access and Parking

Access to the site would be provided via two, 40-foot-wide, two-way driveways from Central Avenue. The Project would include 396 standard, accessible, and compact automobile parking spaces along the western portion of the site, with some spaces along the southern, northern, and eastern perimeters. Fourteen (14) long-term bike lockers and 20 short-term bicycle spaces are also proposed.

Building Design

The facility will be predominately a single-story, tilt-up concrete building with metal panel accents providing for both solar shading and architectural detail. Additional design features have been provided along the Central Avenue façade. A pre-finished metal canopy and perforated metal panels are proposed at the facility's entrance. The facility's exterior design includes a monochromatic palate of painted concrete, clerestory windows, and perforated metal window accent panels. The outdoor employee space at the west side of the building façade, facing Central Avenue, includes a location for a public art installation within the cement board fence and perforated metal gate. The space will also contain concrete seating/retaining walls, tables, seating, shading trees, planters, and an outdoor cooking space.

Landscaping and Site Amenities

The Project would provide 78,600 square feet of landscaped area and trees along the perimeter of the site. Additional trees and a landscaped area of 28,609 square feet are proposed within parking areas. A variety of low to medium flowering shrubs and screening plants are also proposed along the Project's property line. Bio-retention planter areas would be provided on the western portion and eastern portion of the site. The proposed pervious and impervious surface area onsite would be the same as the existing conditions with 695,179 sf. of impervious surface and 60,882 sf. of pervious surface.

A ten-foot-tall trash enclosure would be provided in the southern portion of the site. Post-mounted lighting fixtures are proposed throughout the perimeter of the Project site and wall-mounted lighting is proposed along the exterior of the proposed structure.

Easements and Utilities

The Project includes the removal of all internal lot lines onsite to allow for the merger of four lots to one lot. The site contains multiple easements, of which a 10-foot-wide sewer and water easement on the southern edge of the site, a 4-foot-wide roadway and public utility easement along the Central Avenue frontage would remain. Additionally, the Project includes the establishment of new easements along the Central Avenue frontage, including but not limited to:

- A 10-foot-wide sidewalk and maintenance easement.
- Three temporary construction easements – 10 feet, 25 feet and 25.5 feet wide, respectively.
- Three 10-foot-wide Alameda County Water District (ACWD) water lateral easement.
- A 17-foot wide ACWD water lateral easement, and
- A 30-foot wide ACWD waterline easement.

The Project proposes a 24" storm drain connecting the bioretention area in the southern corner of the Project site, along the southwestern property line, to the existing Central Avenue municipal storm drain. An additional

[1] Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis, prepared by FirstCarbon Solutions, July 19, 2024.

18” storm drain is proposed to connect the northwestern parking lot bioretention area to the Central Avenue storm drain. The Project will be served by one 6” sewer connection to Central Avenue. Two new municipal water line connections and three new water laterals are proposed along the northwestern property line along Central Avenue.

Off-Site Improvements

The Project’s offsite improvements include extensions of lateral connections for utilities such as water, sewer, stormwater, and a joint trench. Additionally, four existing driveway curb cuts will be removed and curb cuts for two new driveways will be constructed.

2.5. CONSTRUCTION

For the purposes of this analysis, it is assumed that construction of the Project would begin in the second quarter of 2025 and would take approximately one and a half years to complete. Construction would include demolition, site preparation & grading, utility & building construction, paving, and landscaping/architectural finishes. Construction vehicles would access the site via Central Avenue with construction traffic routed to and from I-880 via Mowry Avenue and Cherry Street to Central Avenue. On-site construction staging areas will be determined at the time of construction.

Demolition

This construction phase would include demolition and removal of the existing building and structures, pavement and hardscape improvements, utilities, and transformer in the electrical maintenance room inside the existing main building. Demolition material would be transported offsite to the Fremont Recycling and Transfer facility on Boyce Road in Fremont. Demolition equipment would include excavators, loaders, bobcats, aerial man lifts, tow behind generator, water trucks, and concrete crusher.

Site Preparation and Grading

Site preparation and grading would follow demolition activity to allow for construction of the proposed industrial structure, utility connections, and landscaping. Grading onsite would result in 32,692 cubic yards of cut and 35,203 cubic yards of fill. As such, the site preparation activities would result in 2,511 cubic yards of material to be hauled off the site. Construction equipment required to accomplish this phase of the construction would include excavators, scrapers, bulldozer, skip loader, compactor, and water truck. Site preparation and grading activities are anticipated to take approximately six weeks to complete.

Utility and Building Construction

This phase would involve installation of connections to existing utility lines in Central Avenue and building construction. Construction equipment required for this phase includes backhoes, compactors, forklift, welders, cranes, generators, paving equipment and rollers. This phase is anticipated to be completed in approximately six months.

Architectural Finishes and Landscaping

This phase would conclude Project construction and would require the use of backhoes, trucks, and air compressors. This phase is anticipated to be completed in approximately three months.

Offsite Improvements

Offsite improvements as specified above are anticipated to take approximately two months.

2.6. PUBLIC OUTREACH

The applicant provided notice of a community meeting, held on December 18, 2023, ten days in advance via mail to property owners within a 1,000-foot radius of the Project site. The meeting was conducted at the Silliman Activity Center on Mowry Avenue. No members of the public attended the meeting.

A second community meeting was held at the City Hall Library on January 21, 2025. The applicant provided notice of a community meeting, ten days in advance via mail to property owners within a 1,000-foot radius of the Project site. The project applicant team, City staff, and one member of the public attended the meeting. The project applicant team presented an overview of the project.

2.7. ENTITLEMENTS

The Project applicant has requested the following entitlements:

1. Design Review of the proposed buildings and site improvements
2. Conditional Use Permit for indoor warehousing & storage use and wholesaling & distribution use
3. Minor Use Permit for additional fence height

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Figure 1: Regional Location

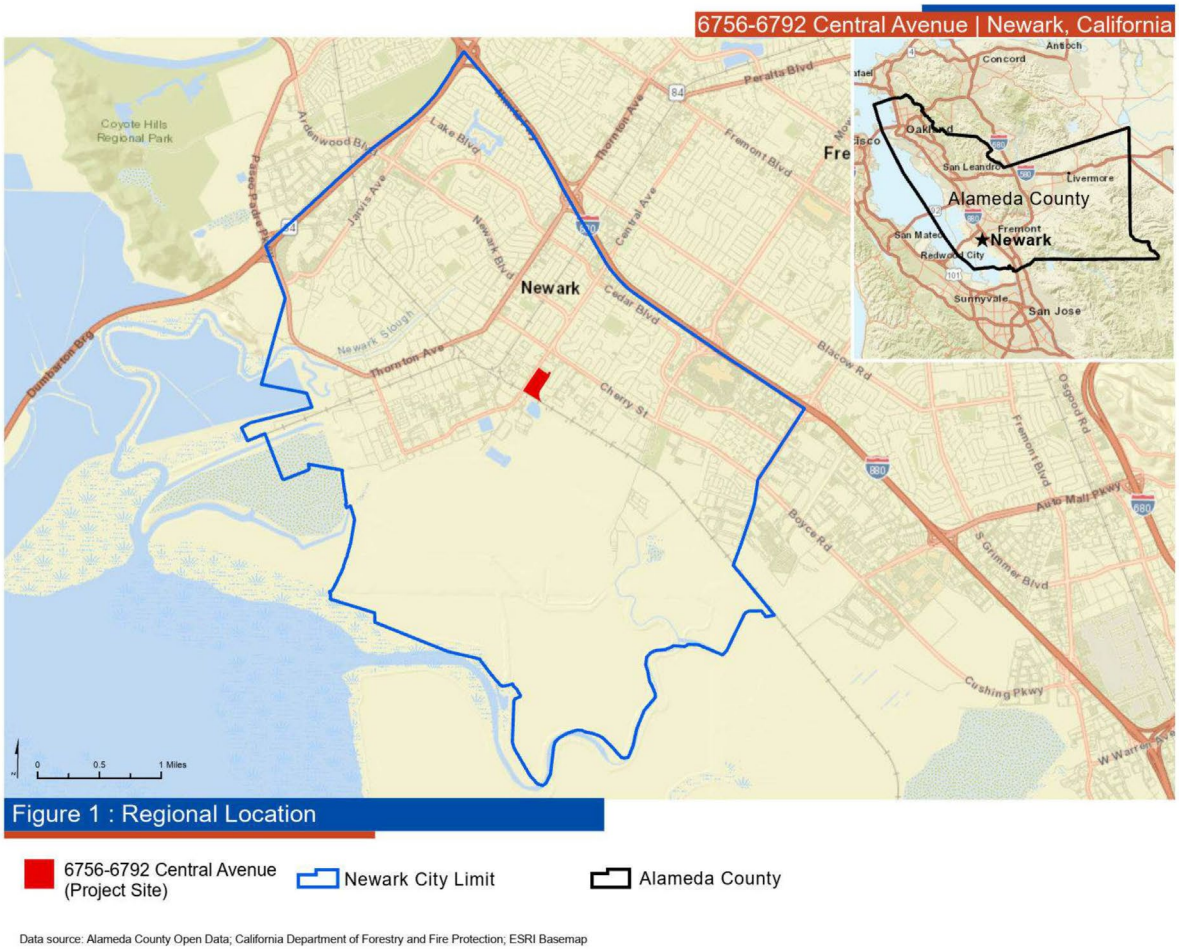

Figure 2: Project Site and Vicinity



Figure 3: Land Use

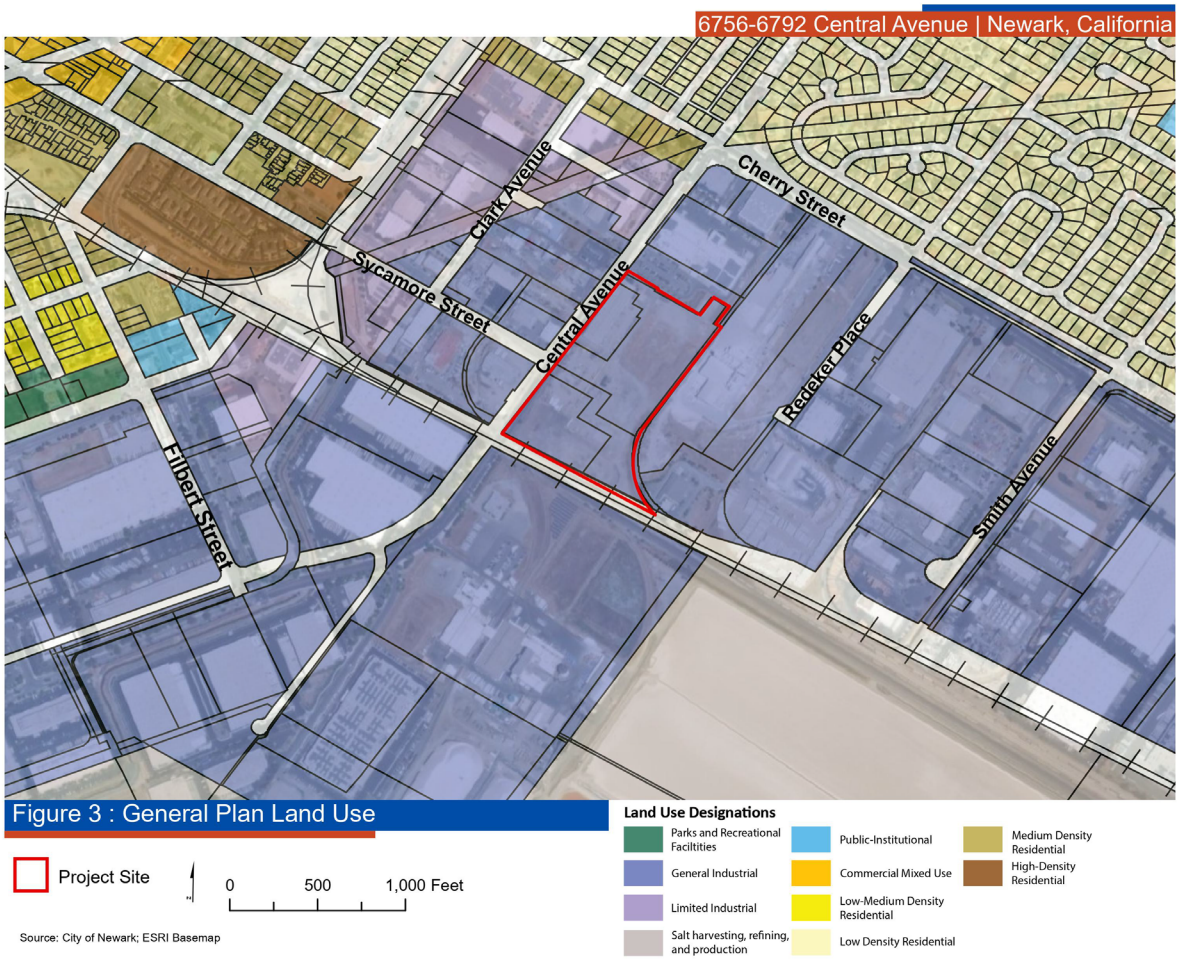

Figure 4: Zoning

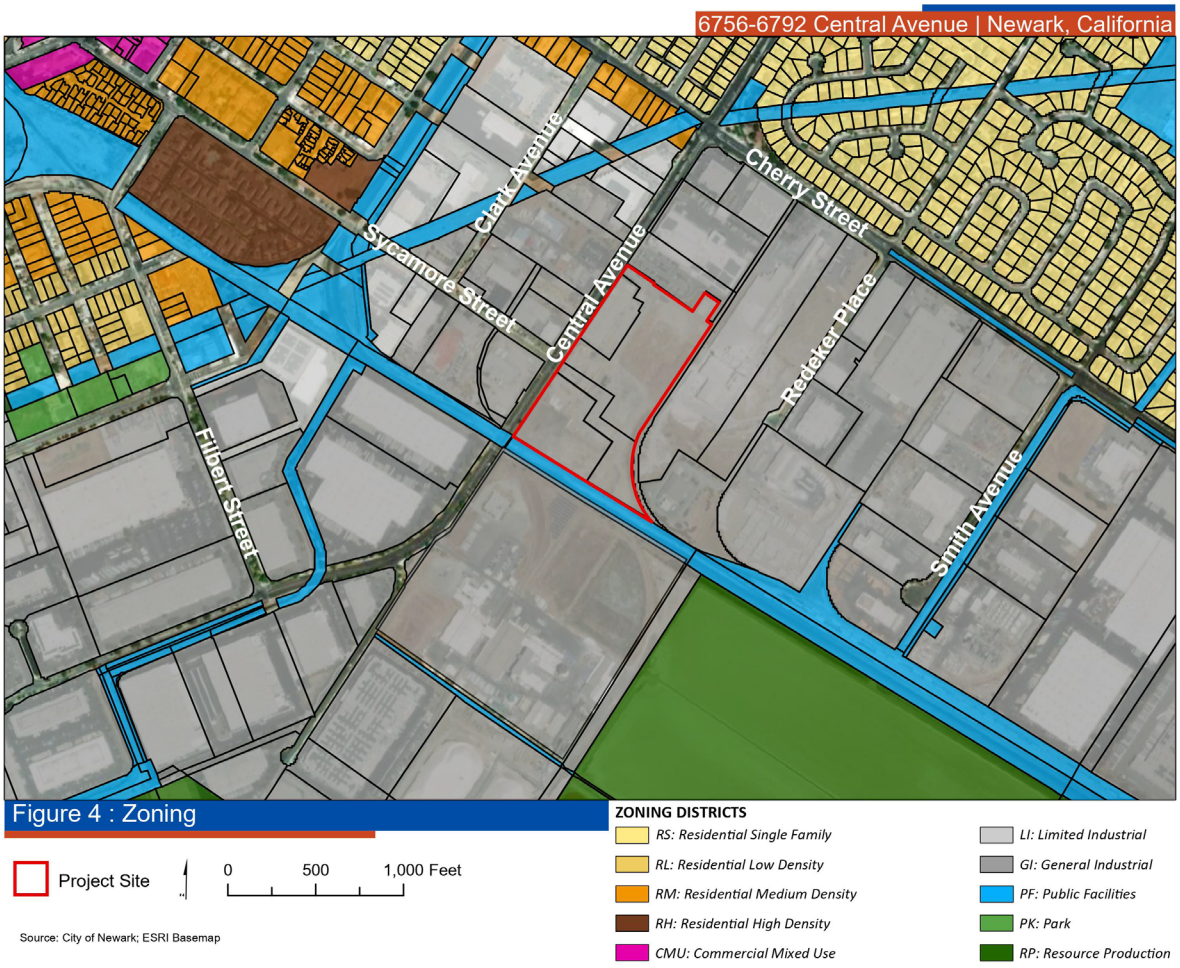

Figure 5: Site Plan



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3. APPLICABLE CEQA PROVISIONS AND FINDINGS

The following discussion presents the relevant provisions of CEQA to which the proposed 6756-6792 Central Avenue Industrial Building Development Project complies. It provides an overview of the Community Plan Exemption, determination of consistency with the City's program level Environmental Impact Report (EIR) for the General Plan (referred to as "General Plan Tune Up" in the 2013 FEIR) and the Final Environmental Impact Report (FEIR), 2013. A description of how the Project complies with each provision is presented below. Finally, this section concludes with the CEQA findings and determination that the project is exempt from further environmental review.

3.1. GENERAL PLAN EIR (2013 FEIR)

The City of Newark General Plan that was adopted in 2013 serves as the document that guides future development citywide and expresses the community's development goals and public policies related to land uses. The General Plan EIR (2013 FEIR) assesses potentially significant environmental impacts associated with implementation of the General Plan. The 2013 FEIR was prepared to provide the public, responsible agencies, and decision makers with information about the probable environmental effects of adoption and implementation of the General Plan. The 2013 FEIR serves as a programmatic document that is intended to be used to evaluate subsequent projects and activities within the planning area. The findings of the 2013 FEIR are presented below in Section 4 for each environmental category.

3.2. CONSISTENCY WITH PROGRAM EIR (CEQA GUIDELINES SECTION 15168)

The City of Newark certified the 2013 FEIR, a program level EIR, which includes an analysis of the development potential of the 6756-6792 Central Avenue site. The 2013 FEIR provides streamlining and/or tiering opportunities under CEQA Guidelines Section 15168. CEQA Guidelines Section 15168(c) states that "later activities in the program must be examined in the light of the program EIR to determine whether an additional environmental document must be prepared."

3.3. APPLICABILITY OF THE PROJECT TO 15168

The proposed 6756-6792 Central Avenue Industrial Building Project is a "later activity" of the program EIR. Section 4 of this CEQA Analysis provides an assessment of the Project's environmental impacts relative to what was analyzed in the 2013 FEIR. As described in Section 4, the Project does not result in environmental effects that were not previously examined. As such, pursuant to CEQA Guidelines Section 15162 and 15163, no subsequent or supplemental EIR is required. In accordance with CEQA Guidelines Section 15168(c)(2), the City can "approve the activity as being within the scope of the project covered by the program EIR, and no new environmental document would be required."

CEQA Guidelines Section 15168(c)(3) states that "an agency shall incorporate all feasible mitigation measures and alternatives developed in the program EIR into later activities in the program." Section 6 of this CEQA analysis identifies the relevant environmental conditions of approval that will be required of the proposed Project to demonstrate compliance with mitigation measures set forth in the program level EIR, and policies, programs, and goals of the City of Newark General Plan.

As described below in Section 4, for each environmental resource topic in the Environmental Checklist, with implementation of mitigation measures, the Project would not result in significant impacts beyond those analyzed in the 2013 FEIR. In addition, the Project is subject to the payment of Development Impact Fees, which are collected to offset incremental increases in demand for public services and infrastructure from implementation of the General Plan.

3.4. GENERAL PLAN/COMMUNITY PLAN EXEMPTION (CEQA GUIDELINES SECTION 15183)

California Public Resources Code Section 21083.3 and CEQA Guidelines Section 15183 allow a streamlined environmental review process for projects that are consistent with the densities established by existing zoning, community plan, or general plan policies for which an EIR was certified.

Section 15183 (a) "mandates that projects which are consistent with the development density established by existing zoning, community plan, or general plan policies for which an EIR was certified shall not require additional environmental review, except as might be necessary to examine whether there are project-specific significant effects which are peculiar to the project or its site. This streamlines the review of such projects and reduces the need to prepare repetitive environmental studies."

Section 15183(b) specifies that "in approving a project meeting the requirements of Section 15183, a public agency shall limit its examination of environmental effects to those which the agency determines, in an initial study or other analysis:

1) Are peculiar to the project or the parcel on which the project would be located;

2) Were not analyzed as significant effects in a prior EIR on the zoning action, general plan, or community plan, with which the project is consistent;

3) Are potentially significant off-site impacts and cumulative impacts which were not discussed in the prior EIR prepared for the general plan, community plan or zoning action; or

4) Are previously identified significant effects which, as a result of substantial new information which was not known at the time the EIR was certified, are determined to have a more severe adverse impact than discussed in the prior EIR."

Section 15183(c) specifies that if an impact is not peculiar to the parcel or to the project, has been addressed as a significant effect in the prior EIR, or can be substantially mitigated by the imposition of uniformly applied development policies or standards, then an additional EIR need not be prepared for the project solely on the basis of that impact.

Section 15183(d) further states that the streamlining provisions of this section "shall apply only to projects that meet the following conditions:

(1) the project is consistent with a community plan adopted as part of a general plan, a zoning action which zoned or designated the parcel on which the project would be located to accommodate a particular density of development, or a general plan of a local agency; and

(2) an EIR was certified by the lead agency for the zoning action, the community plan, or the general plan."

3.5. APPLICABILITY OF THE PROJECT TO 15183

The proposed 6756-6792 Central Avenue Industrial Building Development Project is consistent with the General Plan land use designation and zoning for the site, as outlined below, and meets the streamlining provisions under CEQA Guidelines Section 15183(d)(1):

(d)(1)(A) The project is consistent with a community plan adopted as part of a general plan.

The City of Newark General Plan was approved, and the EIR (SCH Number 2013012052) was certified on November 12, 2013, by City Council Resolution Number 10,415. The Project is located in the western part of Newark on a site that carries a General Industrial land use designation and is zoned General Industrial (GI). The General Industrial land use designation allows for designation allows for a range of manufacturing, warehousing, wholesaling, and distribution uses with a floor area ratio of 0.2 to 2.5.

Consistent with the intent of the General Industrial land use designation, the Project proposes construction of an approximately 315,390 square foot industrial building with approximately 33,806 square feet of office space upon demolition of all existing buildings, pavement, and improvements on the Project site. The Project site does not conflict with existing residential or commercial uses and is consistent with the 2013 Newark General Plan.

(d)(1)(B) The project is consistent with a zoning action which zoned or designated the parcel on which the project would be located to accommodate a particular density of development.

The Project is subject to and consistent with the General Industrial development standards and zoning requirements within the General Plan and the City of Newark Zoning Code (Title 17 of the Newark Municipal Code). The Project meets applicable policies and actions of the General Plan and the applicable development standards within the Zoning Code.

(d)(1)(C) The project is consistent with the City of Newark General Plan.

As described above, the Project is proposed and would be developed consistent with the density and intent of the General Industrial designation of the City's General Plan. The proposed Project is consistent with applicable General Plan policies, including, but not limited to:

- Policy ED-1.5 Managing Land Resources. Ensure the wise use of Newark's available industrial and commercial land supply. The City will plan strategically to ensure that the economic development potential of its commercial and industrial areas is fully realized. Vacant sites in such areas should be viewed as essential assets that can be used to strengthen and diversify Newark's economy. Land uses such as group assembly, which are potentially incompatible with industrial operations and retail vitality, should be discouraged in the city's major employment centers.

- Policy ED-3.4 Affordable Industrial Space. Continue to support and foster the growth of general industrial uses, such as warehouse and distribution centers and manufacturing, in the Cherry Street and Central Avenue corridors and other areas designated for "General Industrial" uses on the Land Use Diagram

- Policy ED-3.7 Industrial Redevelopment. Encourage property owners to redevelop industrial sites and buildings when the proposed redevelopment will generate high-quality and high-paying jobs. Likewise, support the refurbishing of such spaces for continued use as general industrial properties.

- Policy ED-3.11 Vacant Building Reuse. Strive for an economically healthy industrial and office vacancy rate, and seek creative solutions to reduce the number of long-term vacant industrial and office buildings in the city. The reuse of such buildings with higher value employment-generating land uses is encouraged, provided such reuse does not adversely affect the ability of surrounding properties to continue their operations.

- Policy T-6.7 Truck Routes. Maintain a network of truck routes in Newark to ensure that truck traffic is directed away from residential areas and other sensitive uses, and to avoid congestion at major intersections. Truck traffic should be managed in a way that minimizes the distance that must be traveled between industrial areas and freeway interchanges while keeping commercial vehicles off of local streets and avoiding the potential for trucks to divert off of I-880 and SR 84 to "cut-through" Newark.

- Policy T-6.8 Land Use and Truck Traffic. To the extent feasible, locate warehouse and distribution centers, heavier industrial facilities, and similar activities that generate large volumes of truck traffic in areas where ingress and egress can be accommodated without impacting residential areas and freeway access can be provided without using streets with predominantly residential traffic.

- Policy T-6.9 Service and Loading Areas. Strategically locate and screen truck loading areas so as not to impact the attractiveness and safety of the street system. In general, loading areas should be located to the side or rear of buildings, away from pedestrian areas.

3.6. CEQA DETERMINATION AND SUMMARY OF FINDINGS

As summarized above and presented herein, the proposed 6756-6792 Central Avenue Industrial Building Development Project is eligible for the following CEQA exemptions:

Consistency with Program EIR. The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the Project would

not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2013 FEIR). No further environmental review is required.

Community Plan Exemption. Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR. The Project is exempt from further CEQA review since it is consistent with the General Plan.

Findings Summary

As described herein, the proposed 6756-6792 Central Avenue Industrial Building Development Project is within the scope of development projected under the General Plan for which an EIR was certified in 2013. The proposed Project will implement applicable mitigation measures identified in the 2013 FEIR. In addition, the Project would be required to comply with applicable conditions of approval and subject to uniformly applied development standards. With implementation of required mitigation measures and conditions of approval, the Project would not result in a substantial increase in the severity or significant impacts that were previously identified in the program level EIR, nor would the Project introduce any new significant impacts that were not previously identified. Therefore, there would be no additional environmental impacts beyond those analyzed in the 2013 FEIR.

Each of the above findings provides for a separate and independent basis for CEQA compliance. We do hereby certify that the above determination has been made pursuant to State and Local requirements.

3.7. ENVIRONMENTAL CONDITIONS OF APPROVAL

The Project shall incorporate all feasible mitigation measures set forth in findings of fact for prior applicable Environmental Impact Reports (EIR). The following EIRs have been determined by the City to be applicable to the Project:

• City of Newark General Plan EIR (SCH Number 2013012052)

In each impact section of the Evaluation of Environmental Impacts, applicable mitigation measures from the findings of fact for the certified EIR are identified. Section 6 of this CEQA Analysis identifies relevant conditions of approval for the Project derived from mitigation measures, policies, and implementing programs established in the City's General Plan and the certified 2013 FEIR.

Conditions of approval have been identified throughout the following analysis to ensure implementation of applicable mitigation measures and policies set forth in the General Plan and its EIR. The 6756-6792 Central Avenue Industrial Building Development Project applicant has reviewed, accepted, and shall implement all conditions of approval as part of the Project.

4. EVALUATION OF ENVIRONMENTAL EFFECTS

This section examines the Project's potential environmental effects within the parameters outlined in CEQA Guidelines Section 15183(b). The "Prior EIRs" (as defined in CEQA Guidelines Section 15183(b)(3)) is the City of Newark General Plan EIR (2013 FEIR), inclusive of all impact determinations, significance thresholds and mitigation measures identified therein.

Th evaluation builds from the Appendix G Environmental Checklist and has been modified to reflect the parameters outlined in CEQA Guidelines Section 15183(b). The checkboxes in the evaluation below indicate whether the proposed Project would result in environmental impacts, as follows:

- **New Significant Impact relative to GP EIR–** The proposed Project would result in a new significant impact that was not previously identified in the 2013 FEIR.

- **Substantial Increase in Severity of Previously Identified Significant Impact in GP EIR –** The proposed Project's specific impact would be substantially greater than the specific impact described in the 2013 FEIR.

- **Substantial Change Relative to GP EIR –** The proposed Project would involve a substantial change from analysis conducted in the 2013 FEIR.

- **Equal or Less Severity of Impact than Previously Identified in GP EIR –** The severity of the specific impact of the proposed Project would be the same as or less than the severity of the specific impact described in the 2013 FEIR.

Where the severity of the impacts of the proposed Project would be the substantially the same as or less than the severity of the impacts described in the 2013 FEIR, the checkbox for Equal or Less Severity of Impact Previously Identified in FEIR is checked. Where the checkbox for Substantial Increase in Severity of Previously Identified Significant Impact in FEIR or New Significant Impact is checked, there are significant impacts that are:

- Peculiar to project or project site (CEQA Guidelines Section 15183[b][3]);

- Not analyzed as significant impacts in the previous EIRs, including off-site and cumulative impacts (CEQA Guidelines Section 15183[b][2]);

- Due to substantial changes in the project (CEQA Guidelines Section 15162[a][1]);

- Due to substantial changes in circumstances under which the project will be undertaken (CEQA Guidelines Section 15162[a][2]); or

- Due to substantial new information not known at the time the EIRs were certified (CEQA Guidelines Sections 15162[a][3] and 15183[b][4]).

As described herein, the proposed Project will be required to comply with all applicable mitigation measures identified in the 2013 FEIR.

This evaluation hereby incorporates by reference the 2013 FEIR discussion and analysis of all environmental topics. The 2013 FEIR significance thresholds have been consolidated and abbreviated in this Checklist; a complete list of the significance thresholds can be found in the 2013 FEIR.

The 2013 FEIR is a program level document that considers the combined effects of implementing several related projects. As such, the analyses presented in the 2013 FEIR represent a cumulative analysis of environmental impacts that may occur from buildout of the General Plan.

4.1. AESTHETICS

Except as provided in Public Resources Code Section 21099, would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☒
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to aesthetics in Chapter 4.1 in the Plan Area incorporating the City of Newark and determined the following:

- Impact AES-1: The proposed Plan would not have a substantial adverse effect on a scenic vista and the impact of the proposed Plan on scenic vistas subject to the City of Newark Municipal Code (NMC), Chapter 17.16.220 Design Guidelines and implementation of General Plan Policies LU-4.13, LU-4.14 and POS-1.6. This impact is considered to be less than significant.

- Impact AES-2: The proposed Plan would not substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings, within a State scenic highway and the proposed Plan would have no impact on these resources.

- Impact AES-3: The proposed Plan would result in a significant impact to the visual character of the Southwest Newark Residential and Recreational Focus Area and there is no feasible mitigation which would reduce impacts to a less-than significant level. This impact would be significant and unavoidable. A statement of overriding consideration was adopted with certification of the 2013 FEIR.

- Impact AES-4: The Plan would not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area subject to compliance with NMC regulations intended to limit adverse light and glare impacts and the implementation of General Plan Policies LU-4.7 and PROS-3.5. This impact is considered less than significant.

General Plan Policies and Actions would render most impacts less than significant; however not all impacts may be reduced to less than significant levels. A statement of overriding consideration was adopted with the certification of the 2013 FEIR.

Project Consistency with the 2013 FEIR

4.1(a) (Scenic Vistas) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that there are no designated scenic vistas within the City and the General Plan does not identify any specific vistas or views for special protection in the future. However, views of the Coyote Hills to the northeast, of Mission Peak to the east, and of the East Bay Hills to the east and southeast are available from open spaces within the Plan Area. The 2013 FEIR concluded impacts to scenic vistas would be less than significant with implementation of the General Plan.

The Project proposes the demolition of one existing single-story warehouse structure on a largely vacant site and the construction of an approximately 50-foot-tall industrial facility. The closest open spaces to the Project site are Jerry Raber Ash Street Park 3,172 feet to the west of the Project Site on Enterprise Drive and Civic Center Park accessed from Newark Boulevard via Civic Center Avenue 3,279 feet to the north of the Project Site. The Project's 49'-6" height would not impact scenic views from either park as the existing developments within sightline of the Project are already obscured by existing developments. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.1(b) (Scenic Highways) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that there are no State designated scenic highways in or adjacent to Newark. Accordingly, the Project will have no impact on scenic resources within a state scenic highway. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.1(c) (Scenic Quality) No Change Relative to the 2013 FEIR: The 2013 FEIR determined there would be significant and unavoidable impacts related to scenic quality in the Southwest Newark Residential and Recreational Focus Area. The Project is not within the Southwest Newark Residential and Recreational Focus Area, located approximately 1.5 miles southeast of the Project site. Additionally, the following apply to the Project:

- The Project proposes an industrial use that is consistent with the General Industrial (GI) zoning designation applicable to the 17.4-acre Project site and the surrounding area.
- The Project would comply with Policy LU-4.12 of the City's General Plan, requiring that the fences and gates be compatible with adjacent structures.
- The Project would be subject to design review, ensuring compliance with Policy LU-2.2 requiring context-sensitive design and positive impacts to the visual quality of neighborhoods.
- The Project would not have any substantial adverse effect on scenic vistas as discussed in 4.1(a) and would not conflict with General Plan Policy LU-4.14, regarding the protection and enhancement of panoramic views and vistas of horizon features such as Mission Peak, the East Bay, Peninsula Hills, Coyote Hills, and San Francisco Bay.

Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.1(d) (Lighting and Glare) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that future development under the General Plan may create new sources of light and glare but determined that in the urbanized context of Newark, this increase would not substantially and adversely affect daytime or nighttime views. The 2013 FEIR identified compliance with the NMC regulations intended to limit adverse light and glare impacts and the implementation of General Plan Policies LU-4.7 and PROS-3.5 as the means to address adverse light and glare impacts.

The Project's exterior lighting would comply with LU-4.7 and all other applicable provisions of the NMC implemented through Design Review. Proposed exterior lighting will consist of post and wall mounted downward facing LED lighting fixtures up to 4,000 Kelvin and be directed on-site and not create glare off-site. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The Project would not result in any substantial new or more severe impacts relative to aesthetics than those

identified in the 2013 FEIR. The Project would be required to comply with City of Newark regulations that implement General Plan policies and Zoning Code standards intended to limit adverse light and glare impacts captured in the following environmental condition of approval:

COA AES-1: All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 (Lighting and Illumination) and NMC Chapter 17.23 (Parking and Loading). All exterior lighting shall be directed on-site so as not to create glare off-site, as required by the Community Development Director.

4.2. AGRICULTURAL AND FORESTRY RESOURCES

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; and California Department of Conservation Farmland Mapping and Monitoring Program.

General Plan EIR Findings

The 2013 General Plan Tune Up EIR determined under Chapter 7.1 that implementation of the General Plan would not result in any potentially significant impacts to agricultural and forestry resources because the city is located in a highly urbanized sector of Alameda County. There is no active timberland production in Newark or the surrounding area nor are there any forest resources or timberland resource zones in the general vicinity of the Plan Area. The conversion of agricultural uses in the Plan Area to non-agricultural uses would not make a cumulatively considerable contribution to the loss of agricultural lands in the surrounding area.

Project Consistency with the 2013 FEIR

4.2(a-e) (Farmland, Agricultural Land, Forest Land) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that buildout would result in a less than significant impact to agricultural resources. The Project site is an infill development with existing structures and paving on site. It does not contain farmland or forest

land pursuant to Section 12220(g) of the Public Resources Code. Since the Project is within the scope of development projected under the General Plan/Specific Plan and the 2013 FEIR, there would be no additional impacts to agricultural and forestry resources beyond those analyzed in the 2013 FEIR.

Conclusion

The Project would not result in any new or more severe impacts relative to agricultural and forestry resources than those identified in the 2013 FEIR. The Project consists of development within an urban context that would not impact agricultural or forestland resources and is consistent with the City's General Plan. No environmental conditions of approval related to agriculture and forestry resources are required.

4.3. AIR QUALITY

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c) Exposure of sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013, Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue Warehouse Project, City of Newark, Alameda County, California, dated July 19, FirstCarbon Solutions.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to air quality in Chapter 4.2 of the General Plan Tune Up EIR and determined the following:

- Impact AIR-1: Buildout of the proposed project (General Plan) would not be consistent with the Bay Area Clean Air Plan (2010) because the projected vehicle miles traveled (VMT) increase from the build out would be greater than the projected population increase. Although the General Plan contains goals, policies and actions to address future increase in VMT and criteria air pollutants, the impact would be significant and unavoidable, and there are no available mitigation measures. A statement of overriding consideration was adopted with certification of the 2013 FEIR.

- Impact AIR-2 and AIR-3: Subsequent land use activities associated with implementation of the proposed project (General Plan) would generate an increase in operational and construction related emissions of criteria air pollutants in the Plan area. However, they would not violate any air quality standard or contribute substantially to an existing or projected air quality violation with implementation of General Plan Policies CS-5.1 to CS-5.5, T-1.1 to T-1.3, T-1.6, T-2.1 to T-2.11, T-3.1 to T-3.9, T-4.1 to T-4.9, LU-1.1 to LU-1.4, and LU-4.2 as they relate to operational emissions, and compliance with Bay Area Air Quality Management District (BAAQMD) Basic Control Measures pursuant to General

Plan Action HW-1.G, and Action HW-1.I as they relate to construction emissions. This impact is considered less than significant.

- Impact AIR-3: Subsequent land use activities associated with implementation of the proposed project (General Plan) would not result in significant impacts with respect to the placement of sensitive receptors proximate to major sources of air pollution or the siting of new sources of air pollution proximate to sensitive receptors in the City subject to implementation of General Plan Policies LU-2.4 and LU-2.C, and Action HW-1. F. This impact is considered less than significant.

- Impact AIR-4: Subsequent land use activities associated with implementation of the proposed project (General Plan) would not result in significant impact with regard to creating or exposing a substantial number of people to objectionable odors subject to implementation of General Plan Action HW-1.H, as applicable. This impact is considered less than significant.

Implementation of the General Plan would result in potentially significant air quality impacts. General Plan Policies and Actions would render most impacts less than significant; however not all impacts may be reduced to less than significant levels. A statement of overriding consideration was adopted with the certification of the 2013 FEIR.

Project Consistency with the 2013 FEIR

A report titled “The Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis,” dated July 19, 2024, was prepared by FirstCarbon Solutions (**Appendix A**). The following discussion is based on this report:

4.3(a) (Conflict with Plan) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR found that build out of the General Plan would result in significant and unavoidable impacts on air quality. The 2013 FEIR determined that while the General Plan would support the primary goals of the 2010 Bay Area Clean Air Plan, buildout of the proposed Plan would not be consistent with the Clean Air Plan because the projected vehicle miles traveled (VMT) increase from buildout of the proposed Plan would be greater than the projected population increase. As it relates to the General Plan, the development proposed by the proposed Project is within the projections analyzed in 2013 FEIR and would not create new impacts, more significant impacts, or a substantial change from the 2013 FEIR.

The Project’s VMT impact would be less than significant because the 14.02 VMT per capita daily generated by the Project’s employees would be less than the applicable VMT per capita threshold of significance of 14.6 VMT per capita. Therefore, the Project’s VMT would not contribute to significant and unavoidable impacts on air quality as a result of the build out of the General Plan. The 2022 BAAQMD CEQA Air Quality Guidelines includes thresholds of significance for construction and operation for emission levels that, if exceeded, may be considered potentially significant impacts. Project-specific analysis of air pollutant emissions (**Appendix A**) quantifies emission from short-term construction-related activities (e.g., demolition, grading, building, paving, construction equipment, worker trips etc.) and long-term operations of the warehouse use. Air quality emissions generated by the Project would not exceed BAAQMD significance thresholds during construction nor would the ongoing, long-term project operations have the potential to generate a significant quantity of air pollutants, as shown in Tables 1 and 2 below.

Table 1. Construction Emissions

Parameter	Air Pollutants[1] (tons/year)				
	Year	ROG	NO_X	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)
Project Construction					
Demolition	2025	0.010	0.401	0.006	0.006
Site Preparation	2025	0.007	0.148	0.001	0.001
Grading	2025	0.007	0.160	0.002	0.002
Building Construction	2025	0.073	1.295	0.013	0.012
Building Construction	2026	0.002	0.042	0.000	0.000
Paving	2025	0.016	0.139	0.002	0.002
Architectural Coating	2025	0.037	0.000	0.00001	0.00001
Architectural Coating	2026	1.618	0.018	0.00048	0.00044
Total Emissions (tons/year)		1.77	2.20	0.024	0.023
Total Emissions (lbs)		3,538.5	4,405.6	48.3	46.8
Average Daily Emissions (lbs/day)[1]		17.69	22.03	0.24	0.23
Significance Threshold (lbs/day)		**54**	**54**	**82**	**54**
Exceeds Significance Threshold?		**No**	**No**	**No**	**No**

Notes:
lbs = pounds
NO_X = oxides of nitrogen
PM_{10} = particulate matter 10 microns in diameter
$PM_{2.5}$ = particulate matter 2.5 microns in diameter
ROG = reactive organic gases
[1] Totals may not add up due to rounding. Calculations use unrounded totals.
[2] Average daily emissions equal total emissions divided by working days (200 workdays).
Source: CalEEMod Output (see Attachment A).

Source: Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue Warehouse Project, City of Newark, Alameda County, California, July 19, 2024, prepared by First Carbon Solutions.

Table 2. Operational Emissions

Emissions Source	Air Pollutants [1]			
	ROG	NO_X	PM_{10} (Total)	$PM_{2.5}$ (Total)
Annual Emissions				
Mobile	1.26	6.01	4.86	1.31
Area	1.61	0.01	0.002	0.002
Energy	–	–	–	–
Stationary (Stand by generators)	–	–	–	–
Off-Road	–	–	–	–
Total (tons/year)	2.87	6.02	4.86	1.31
Significance Threshold (tons/year)	**10**	**10**	**15**	**10**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**

Emissions Source	Air Pollutants [1]			
	ROG	NO_X	PM_{10} (Total)	$PM_{2.5}$ (Total)
Daily Average Emissions				
Total Emissions (pounds/year)	5,736	12,046	9,722	2,628
Average Daily Emissions (pounds/day)[1]	15.72	33.00	26.64	7.20
Significance Threshold (pounds/day)	**54**	**54**	**82**	**54**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**

Notes:
NO_X = nitrous oxides
PM_{10} = particulate matter less than 10 microns or less in diameter
$PM_{2.5}$ = particulate matter less than 2.5 microns or less in diameter
ROG = reactive organic gases
[1] Calculated by dividing the total pounds of emissions by 365 days in a typical year.
Source: CalEEMod Output (see Attachment A).

Source: Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue Warehouse Project, City of Newark, Alameda County, California, July 19, 2024, prepared by First Carbon Solutions.

Operational Carbon Monoxide Hotspots

Carbon Monoxide (CO) generated from traffic by the Project are a concern at the local level because congested intersections can result in high, localized concentrations of "CO hotspot." The BAAQMD screening criteria[2] were used to determine whether implementing the Project could result in local carbon monoxide emissions that exceed the thresholds of significance are as follows:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, the RTP, and local congestion management agency plans.
- Project-generated traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.

[2] Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed May 13, 2024.

- Project-generated traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g. tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

  Based on the project-specific transportation analysis[3], the existing plus project traffic volumes on these local residential streets would not experience hourly traffic levels above 24,000 and 44,000 vehicles per hour cited in the BAAQMD criteria. Specifically, Figure 10 of the traffic study shows the existing plus project peak-hour turning volumes at 10 studied intersections. As shown in Figure 10, the intersection of Central Avenue and Cherry Street would experience the highest amount of peak-hour volume (3,241 Am peak-hour trips and 3,482 PM peak-hour trips). The peak-hours trip volume experienced at this intersection is significantly below the threshold levels of 24,000 and 44,000 vehicles per hour. Therefore, the proposed project would meet all the CO screening criteria and would result in a less than significant impact related to carbon monoxide.

PM10/PM2.5 (fugitive dust) is recognized to impact local communities. During construction, fugitive dust would principally be generated from demolition, site grading, and other earthmoving activities. The BAAQMD does not have a quantitative threshold of significance for fugitive dust emissions. The BAAQMD determination of significance for fugitive dust is based on implementing effective control measures. Action HW-1.G identified in the 2013 FEIR as set forth in the General Plan requires the use of BAAQMD-recommended basic Best Management Practices (BMPs) to limit emissions of construction-related criteria pollutants, including fugitive dust. The Project will be required to implement the BMPs from the latest BAAQMD CEQA Air Quality Guidelines, consistent with Action HW-1. G. Condition of approval COA AQ-1 imposes on the Project the BMPs for controlling fugitive dust. With the implementation of COA AQ-1, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.3(b) (Increase Criteria Pollutants) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that cumulative impacts related to criteria air pollutant increases would be the same as the Plan-specific impacts. The Project is consistent with the projected buildout of the General Plan. At the Project-level, analysis of criteria pollutant emissions from development of the Project, as described above in 4.3(a), indicate that the Project would have emissions that are below the BAAQMD thresholds of significance as shown in Table 1 and 2 above. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.3.(c) (Sensitive Receptors) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined impacts to sensitive receptors would be less than significant with the implementation of General Plan Policies LU-2.4 and Actions LU-2.C and Action HW-1. F. In accordance with Action LU-2.C, the Project would require the approval of a Conditional Use Permit to improve compatibility between the use proposed by the Project and surrounding uses and limit adverse activity.

The Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis, dated July 19, 2024, prepared by FirstCarbon Solutions, includes an analysis of health risk and hazard on sensitive receptors within a 1,000-foot radius of the Project site. The BAAQMD defines a sensitive receptor as “Facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses.” The sensitive receptors have been expanded to include off-site workers and students per 2022 BAAQMD Guidelines. Sensitive receptors in the proximity of the Project site, include:

- Residential uses approximately 750 feet away.
- Multi-family residences to northwest to the south of Cherry Street, 800 feet way.
- Single-family residences north of Cherry Street, approximately 1,000 feet away.

The proposed project would result in a potentially significant impact on sensitive receptors if any of the following three criteria are met:

[3] Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed May 13, 2024.

- Criterion 1: Construction of the proposed project would exceed the BAAQMD health risk significance thresholds.
- Criterion 2: Operation of the proposed project would exceed the BAAQMD health risk significance thresholds.
- Criterion 3: The proposed project would locate new sensitive receptors (residents) that could be subject to existing sources of TACs at the project site which exceed the BAAQMD cumulative health risk significance thresholds.

Criterion 1: As discussed above, the sensitive receptors near the project site include residents and off-site workers. Of these sensitive receptors, AERMOD dispersion modeling of construction emissions shows that the maximally exposed individual resident (MEIR) is a residence located on Manzanita Street approximately 1,750 feet away. The maximally exposed individual worker (MEIW) is located in an industrial use area immediately east of the Project site. The MEIR is outside of the 1,000 feet zone of potential impact since all the residential receptors in this zone are immediately upwind from the site and are not significantly influenced by the site emissions. To capture the maximum impact, the dispersion modeling and HRA analysis extended the zone of impact for residences in the downwind direction. Detailed summaries of the HRA results and maps of the MEIR and MEIW locations are included with supporting information in **Appendix A**

Table 3, below, summarizes the cancer risk and chronic HI results for the proposed project construction at the MEIR and MEIW locations that show that the construction diesel particulate matter (DPM) and PM2.5 emissions generated by the Project would not result in an exceedance of BAAQMD cancer risk and chronic non-cancer HI thresholds at any location. Therefore, Project construction would not result in significant health impacts to nearby sensitive receptors.

Table 3. Estimated Cancer Risks and Chronic Non-Cancer Hazards

Cancer Risk Scenario[1]	Average DPM ($\mu g/m^3$)	DPM Cancer Risk (risk per million)	DPM Chronic Non-Cancer Hazard Index	Annual $PM_{2.5}$ ($\mu g/m^3$)
Maximum Exposed Individual Resident[2]	0.0124	0.1187	0.00025	0.0360
Maximum Exposed Individual Worker	0.02928	0.2351	0.006	0.2151
Thresholds of Significance		**10**	**1**	**0.3**
Exceeds Individual Source Threshold?		**No**	**No**	**No**

Notes:
$\mu g/m^3$ = micrograms per cubic meter
MEIR = Maximally Exposed Individual Resident
MEIW = Maximally Exposed Individual Worker
DPM = Diesel Particulate Matter based in PM_{10}
Exhaust= particulate matter less than 10 microns in diameter
$PM_{2.5}$ = particulate matter less than 2.5 microns in diameter (includes $PM_{2.5}$ exhaust, dust, brake wear and tire wear)

1 The proposed project construction cancer risk and chronic non-cancer hazard estimates shown here are based on a construction fleet with Tier 4 engines for equipment with engines of 25 horsepower or higher, consistent with PDF AIR-3.

2 The maximum impact for residential was determined as a location on Manzanita Street 1,750 feet to the northwest of the project site at 586634.18 Easting 4153672.54 Northing.

3 The maximum impact for off-site workers is immediately to the east of the project site at 586070.57 Easting 4153576.44 Northing approximately 30 feet from the project site boundary.

Emissions Source: Attachment A.
Thresholds Source: Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed March 25, 2024.

Criterion 2: For project operation, potential TAC emissions would be from the exhaust of the trucks entering, exiting, and idling on the site. Projects with the potential for health risk from DPM are those with high level of

truck traffic, or sites where trucks with TRUs (small diesel engines used to run refrigeration devices on trucks) idle for a significant amount of time. According to the guidance in the ARB's Air Quality and Land Use Handbook, new sensitive land uses should be avoided within 1,000 feet of a distribution center (that accommodates more than 100 trucks per day, more than 40 trucks with operating Transport Refrigeration Units (TRUs) per day, or where TRU unit operations exceed 300 hours per week).

The Project's traffic analysis estimates the daily heavy heavy-duty (HHD) truck trips accessing the project site would be 142 trips, which is approximately 71 HHD trucks per day and below the 100-truck advisory threshold in the Air Quality and Land Use Handbook. Therefore, an operational HRA is not required to be prepared for the proposed project. Since the facility would be designed and limited to dry storage only and would not involve cold storage, the 71 truck visits (142 trips) would not involve any operating TRU units that could contribute additional DPM. Additionally, the nearest residences are located 750 feet away, and emission dispersion modeling shows that due to wind directions the maximum impacted residential receptors are over 1,700 feet away.

Therefore, risks due to DPM from this level of truck traffic would be less than significant and the proposed project would not generate a significant amount of DPM or other TAC emissions during operation and would not result in significant health impacts to nearby sensitive receptors during operation.

Criterion 3. When existing sensitive receptors, as identified above under 4.3.(c), within 1,000 feet of the Project site, are subject to the localized risks and hazards that are less than the BAAQMD thresholds, the Project's contribution to a significant cumulative impact can be rendered less than cumulatively considerable. The proposed project is an industrial project and would not site new sensitive receptors (residents) that could be subject to existing sources of TACs at the Project site which exceed the BAAQMD cumulative health risk significance thresholds. Therefore, the cumulative health risks to new sensitive receptors that could be subject to existing sources of TAC at the Project site would be less than significant.

4.3(d) (Odors) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts due to odors would be less than significant with implementation of General Plan Action HW-1.H, which requires an evaluation of the potential for proposed projects to emit nuisance odors beyond the property line and that property owners submit odor management plans consistent with BAAQMD regulations.

General Plan Action HW-1.H requires an evaluation of the potential for the Project to emit nuisance odors beyond the property line and requires that property owners submit odor management plans consistent with BAAQMD regulations. In that regard, the BAAQMD does not have a recommended odor threshold for construction activities. However, the BAAQMD recommends operational screening criteria based on the distance between receptors and types of sources known to generate odors.

Construction odor could result from diesel exhausts or ROGs. However, they would disperse rapidly from the Project site and would not affect a substantial number of people. As shown in Table 5-4, Odor Screening Distances, in Chapter 5 Project-level Air Quality Impacts, 2022 BAAQMD CEQA Guidelines[4] identify the following land uses typically associated with objectionable odors that include:

- wastewater treatments plants,
- compost facilities,
- landfills,
- solid waste transfer stations,
- fiberglass manufacturing facilities,
- paint/coating
- operations (e.g., auto body shops),
- dairy farms,
- petroleum refineries,
- asphalt batch plants,
- chemical manufacturing, and

[4] Bay Area Air Quality Management District (BAAQMD). 2022. BAAQMD CEQA Guidelines, Chapter 5 Project-level Air Quality Impacts, Table 5-4, Odor Screening Distances.

- food manufacturing facilities.

As indicated in the Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the Project, the warehouse would likely not generate objectionable odors that may affect a substantial number of nearby receptors. Minor sources of odors that would be generated by the proposed Project, such as exhaust from mobile sources, are not typically associated with numerous odor complaints but are known to have temporary and less concentrated odors. The nearest sensitive receptor is approximately 750 feet from the Project site and in an upwind direction. Because of distance from this sensitive receptor, operation of the proposed Project would not have an impact related to odors. Therefore, operational odor impacts would be less than significant.

Odors that may be emitted from construction equipment and vehicles during construction are temporary in nature and would be minimized through best management practices. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant odor impact relative to the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The proposed Project is within the scope of development projected under the General Plan, and there would be no additional impacts to air quality beyond those analyzed in the 2013 FEIR. The following environmental conditions of approval would apply to the Project in accordance with Actions HW-1.G included in the General Plan.

COA AQ-1: The following dust control measures, as recommended by the Bay Area Air Quality Management District (BAAQMD), shall be included in the design of the proposed Project and implemented during construction:

- All exposed non-paved surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and access roads) shall be watered at least two times per day and/or non-toxic soil stabilizers shall be applied to exposed non-paved surfaces.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered and/or shall maintain at least 2 feet of freeboard.
- All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes, as required by the California Airborne Toxics Control Measure (ATCM) Title 13, Section 2485 of California Code of Regulations. Clear signage regarding idling restrictions shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- The prime construction contractor shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. The construction contractor shall take corrective action within 48 hours. The BAAQMD's and the City's phone numbers shall also be visible to ensure compliance with applicable regulations.

4.4. BIOLOGICAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	☐	☐	☒	☐
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

Biological resources are protected by federal and state statutes including the Federal Endangered Species Act (FESA), the California Endangered Species Act (CESA), the Clean Water Act (CWA), and the Migratory Bird Treaty Act (MBTA) which affords protection to migratory bird species including birds of prey. These regulations provide legal protection for identified plant and animal species of concern and their habitat.

The 2013 FEIR evaluated potential impacts to biological resources in Chapter 4.3 and determined the following:

- Impact BIO-1: Implementation of the proposed project (General Plan) would not have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service, This impact is considered less than significant subject to the implementation of General Plan Policies CS-1.1 to 1.3, CS-2.1 to CS-2.7, and Actions CS-1.A and CS-2.C.

- Impact BIO-2: Implementation of the proposed project (General Plan) would not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service in the Plan Area. This impact is considered less than significant, subject to the implementation of mitigation measures MM BIO-2.1 to 2.5 from the Area 3 and 4 Specific Plan EIR, as applicable, and implementation of General Plan Goal CS-2, Policies CS-1.1, CS-1, CS-4, CS-3.4 to CS-3.6, and Actions CS1.A, CS2.B, CS2.C, CS3.H, CS T-2B.

- Impact BIO-3: Implementation of the proposed project (General Plan) would not have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means, This impact will be less than significant. subject to the implementation of General Plan Goal CS-1, Policies CS-2.3 to CS-2.5, CS-2.8, and Actions CS2.B, CS2.C, CS.E, CS T-2.B.

- Impact BIO-4: Implementation of the proposed project (General Plan) would not interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites. This impact is considered less than significant subject to the implementation of General Plan Policies CS-1.2, CS-1.3, CS-2.1, CS-2.3, CS-2.5, and Actions CS1.A, Actions CS2.B, Actions CS2.E.

- Impact BIO-5: Implementation of the proposed project (General Plan Update) would not conflict with the City of Newark tree preservation ordinance, subject to the implementation of General Plan Goal CS-4, Policies CS-4.1 and CS-4.3, and Actions CS4.A, CS4.D. This is considered a less than significant impact.

- Impact BIO-6: Implementation of the proposed project (General Plan) would result in less than significant impact to the Basin Plan and Habitat Goals, local and regional habitat conservation planning initiatives relevant to Newark. This impact is considered less than significant, subject to implementation of General Plan Policies CS-2.4, CS-2.5, CS-2.8, and Actions CS-2.B, CS2-C, CS-2.E.

- Impact BIO-7: Implementation of the proposed project (General Plan) would result in less-than significant cumulative impacts related to biological resources. This impact is considered less than significant with adherence to applicable federal, State, and local regulations and implementation of mitigation measures identified in the previous Area 3 and 4 Specific Plan and the Dumbarton TOD Specific Plan EIRs previously certified by the City of Newark

Project Consistency with the 2013 FEIR

4.4(a) (Special-Status Species and Sensitive Communities) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined there would be less than significant impacts to special-status species in the Plan Area with implementation of federal, state, and local regulations and applicable General Plan policies and actions. According to the 2013 FEIR, the urbanized portions of the Plan Area are considered to have low habitat value for biological resources. The Project site is located in an urban portion of the City and consists largely of impervious surfaces. Additionally, the site was previously developed and has minimal vegetation to support special-status species and/or sensitive communities. Existing trees may provide nesting habitat for passerines and/or raptors. If tree removal is to occur, COA BIO-1 shall be implemented, to avoid any impacts to nesting birds present on the site. As a result, the Project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to candidate, sensitive, or special-status species.

4.4(b) (Adverse Effects to Sensitive Natural Communities) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with applicable federal, state, and local regulations and applicable General Plan policies and actions would reduce potential impacts to wetlands, riparian habitat, and sensitive natural communities to a less than significant level. Figure 4.3-2 in the 2013 FEIR shows annual

grassland on a portion of the proposed Project site that provides habitat for foraging and breeding for birds, mammals, and reptiles. However, most of the Project site has previously been developed for a materials storage yard and consists of impervious surfaces with limited vegetation. Thus, the conditions of the site are not suitable for sensitive natural communities. Therefore, the Project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to sensitive natural communities.

4.4(c) (Adverse Effects to Jurisdictional Waters) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with applicable General Plan goals, policies, and actions would reduce potential impacts to waters of the U.S. to a less than significant level. The Project site largely consists of impervious surfaces and the surrounding vicinity is characterized by urban development including paving and buildings. There are no water bodies in the vicinity of the Project site and, as shown in Figure 4.3-1 in the 2013 FEIR, there are no wetlands on the Project site. The Project would have no impact on state or federally protected wetlands and would, therefore, not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to jurisdictional waters.

4.4(d) (Adverse Effect on Wildlife Movement) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with applicable General Plan policies and actions would reduce impacts associated with the substantial interference with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impeding the use of native wildlife nursery sites to a less than significant level. Given the urban setting of the Project site and the surrounding development, there is minimal opportunity for wildlife movement. Additionally, the site is currently enclosed by a fence and has limited vegetation to support wildlife. Therefore, the Project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to movement of any wildlife.

4.4(e) (Conflict with Local Ordinances) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with City's tree preservation ordinance and applicable General Plan goals, policies, and actions would reduce potential adverse impacts to trees within the Plan Area to a less than significant level.

The Project site contains ten mature non-deciduous trees between the existing concrete building and Central Avenue. These trees are proposed for removal in the process of development that could result in potential impacts to nesting birds. COA BIO-1 will render any impact to nesting birds to a less than significant level.

Additionally, prior to development, the Project would be subject to compliance with the tree preservation ordinance, which includes the requirement of a tree removal permit, as indicated in COA BIO-2. Additionally, the Project would be subject to compliance with applicable General Plan goals, policies, and actions, namely, Goal CS-4, Policies CS-4.1 and CS-4.3, and Actions CS4.A, CS4.D. Therefore, the Project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.4(f) (Conflict with Habitat Conservation Plans) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with applicable federal, state, and local regulations, applicable General Plan policies and actions would reduce impacts related to conflicts with the Basin Plan and Baylands Ecosystem Habitat Goals (Habitat Goals) to a less than significant level. There are no Habitat Conservation Plans (HCPs) as defined in the federal Endangered Species Act Section 10(a)(2)(A), in the General Plan Area. However, there are local and regional habitat conservation planning initiatives relevant to the City of Newark, which include the Baylands Ecosystem Habitat Goals (Habitat Goals) and the Basin Plan. The Basin Plan and Habitat Goals focus mainly on wetland restoration, conservation, and enhancement. Since there are no wetlands on the proposed Project site, these plans are not applicable. As such, the Project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to conflict with Habitat Conservation Plans.

Conclusion and Environmental Conditions of Approval

The Project would not result in any new or more severe impacts to biological resources relative to what was identified the 2013 FEIR. The Project would result in the removal of 10 existing trees along the Project site's frontage along Central Avenue. The following environmental conditions reflect best practices:

COA BIO-1: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. Grading or removal of potentially occupied habitat shall be conducted outside the nesting season, which occurs between approximately February 1 to August 31.
2. If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey (migratory species, passerines, and raptors) of the potentially occupied habitat (trees, shrubs, grassland) shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.
3. If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat until the young have fledged, as determined by a qualified biologist. The radius of the required buffer zone can vary depending on the species, (i.e., 75-100 feet for passerines and 200-500 feet for raptors). The dimensions of any required buffer zones shall be determined by a qualified biologist.
4. To delineate the buffer zone around the occupied habitat, construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.
5. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriate, adjusted by a qualified biologist as needed to avoid disturbance.
6. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

COA BIO-2: Prior to any tree removal or alteration, the applicant shall obtain a tree removal permit from the City of Newark Public Works Department and implement tree planting requirements in accordance with development review.

4.5. CULTURAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5?	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	☐	☐	☒	☐
c) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☒	☐

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to cultural resources in Chapter 4.4 and determined the following:

- Impact CULT-1: Implementation of the proposed project (General Plan) would not cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5. This impact is considered less than significant subject to implementation of Mitigation Measure 4.4-2 from the 2010 Newark Housing Element EIR that pertains to the Old Town portion of Newark, Mitigation Measure 4.4-1b from the Dumbarton Transit-Oriented Development (TOD) Specific Plan EIR that pertains to the Dumbarton TOD Focus Area (now known as Bayside Newark) and General Plan Goal LU-5, Policies LU-5.1 to LU-5.4, and Actions LU5.A to LU5.E. for the Plan area overall.

- Impact CULT-2: Construction activities associated with the implementation of the proposed project (General Plan) could cause a significant impact to archaeological resources in the Southwest Newark Residential and Recreational Focus Area by potentially damaging or disturbing undiscovered archaeological deposits through the placement of fill and soil compression. Regulatory compliance and the implementation of General Plan Policy LU-5.5 would reduce but not eliminate the potential for damage or disturbance and no additional feasible mitigation exists to further reduce this impact in the Newark Residential and Recreational Focus Area. Therefore, impacts to archaeological resources in the Southwest Newark Residential and Recreational Focus Area would be significant and unavoidable. A statement of overriding consideration was adopted with certification of the 2013 FEIR.

  In the rest of the Plan area this impact would be rendered less than significant with implementation of Mitigation Measure 4.4-1 from the 2010 Housing Element EIR, and Mitigation Measure CUL-2.1 to CULT-2.4 from the Area 3 and 4 Specific Plan EIR, as applicable, and the implementation of General Plan Policy LU-5.5.

- Impact CULT-3, related to paleontological resources is discussed under Geology and Soils.

- Impact CULT-4: Construction activities associated with the implementation of the proposed project (General Plan) could cause a significant impact to Native American human remains in the Southwest Newark Residential and Recreational Focus Area by potentially damaging or disturbing undiscovered Native American human remains through the placement of fill and soil compression. Compliance with the provisions of SB18, California Health and Safety Code Section 7052 and 7050.5, and California Public Resources Code Section 5097 and 15064.5 together with the implementation of Mitigation Measure 4.4-1 from the 2010 Housing Element EIR, and Mitigation Measures CUL-2.1 through CUL-

2.4 from the Area 3 and 4 Specific Plan EIR would reduce this impact. However, damage or disturbance of human remains through the placement of fill and soil compression could still result in a significant impact during construction activities associated with buildout of the General Plan and no additional feasible mitigation exists to further reduce this impact Therefore, impacts to human remains, including those interred outside of formal cemeteries in the Southwest Newark Residential and Recreational Focus Area would be significant and unavoidable. A statement of overriding consideration was adopted with certification of the 2013 FEIR.

- Impact CULT-5: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable projects, would result in less than significant cumulative impacts with respect to cultural resources subject to compliance with federal and State laws protecting cultural resources.

Implementation of the General Plan would result in significant and unavoidable impacts to archaeological resources and human remains in the Southwest Newark Residential and Recreational Focus Area. In other locations in the Plan area, mitigation measures, General Plan Policy LU-5.5 and Actions as identified above would render impacts to cultural resources less than significant. A statement of overriding consideration was adopted with the certification of the 2013 FEIR because not all impacts in the Southwest Newark Residential and Recreational Focus Area may be reduced to less than significant levels.

Project Consistency with the 2013 FEIR

4.5(a) (Historic Resources) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that no substantial adverse impacts related to historic resources would occur within the Plan area. The Project site is currently developed with a single-story 39,539 square foot concrete warehouse constructed in 1984 and uncovered storage yards east of the warehouse and along the northwestern property line. The existing building on the site is less than 45 years old and is not a historic resource for which a historic resource evaluation would be required pursuant to CEQA. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.5(b) (Archaeological Resources) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined substantial adverse impacts to be less than significant subject to implementation of the policies set forth in the General Plan, as identified above. As applicable to the Project site, the 2013 FEIR concluded that compliance with General Plan Policy LU-5.5 would ensure that subsequent development projects result in less than significant impacts to archaeological resources. General Plan Policy LU-5.5 requires coordination with local tribal representatives and the Native American Heritage Commission to ensure the protection of Newark's Native American resources and to follow appropriate mitigation, preservation, and recovery procedures in the event that important resources are identified during development.

The City implemented General Plan Policy LU-5.5 by contacting the Native American Heritage Commission for a Sacred Lands File Search that did not identify the subject site as Native American Sacred Lands. No California Native American tribes have requested notice from the City of Newark of proposed projects in the city. Additionally, the City incorporates a condition of approval as protocols for unanticipated cultural resource finds. Accordingly, with implementation of COA CUL-1 specified below, the Project will result in less than significant impacts from a substantial adverse change in the significance of an archaeological resource, if encountered during construction. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to archaeological resources.

4.5(c) (Discovery of Human Remains) No Substantial Change Relative to the 2013 FEIR: In the event human remains are discovered during ground disturbing activities, the Project shall comply with COA CUL-1, which requires the immediate cessation of ground disturbing activities near or in any area potentially overlying adjacent human remains and contacting the City and County Coroner upon the discovery of any human remains and provisions of state law carried out, which include immediately contacting the Native American Heritage Commission, if it is determined by the City, and County Coroner that the discovered remains are of Native American descent. Compliance with COA CUL-1 as well as California Health and Safety Code Section

7050.5 and performance of actions therein will ensure that in the event of accidental discovery of historically significant remains the Project will result in less than significant impacts. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion and Environmental Condition of Approval

The Project would not result in any new or more severe impacts to archaeological resources relative to what was identified the 2010 FEIR. The Project site is not within the Dumbarton TOD Focus Area (now known as Bayside Newark) or the Southwest Newark Residential and Recreational Focus Area where the significant impacts were found. Implementation of COA CUL-1 below, specified in accordance with Mitigation Measure 4.4-1 from the 2010 Housing Element EIR will ensure that the Project does not result in impacts to buried archaeological resources onsite, if present.

COA CUL-1: During project construction, if historic, archaeological or Native American materials or artifacts are identified, work within 50-foot radius of such find shall cease and the City shall retain the services of a qualified archeologist and/or paleontologist to assess the significance of the find. If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources and similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, all ground disturbing activities near or in any area potentially overlying adjacent human remains shall cease, the County Coroner shall be contacted immediately, and the provisions of State law carried out.

4.6. ENERGY

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☐	☒
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR addresses energy in Chapter 4.2, Air Quality and Chapter 4.6, Greenhouse Gas Emissions, with reference to the control measures from the 2010 Bay Area Clean Air Plan related to energy use, water use and waste generation, and identifies various General Plan policies and actions that would support these measures. These policies and actions, include but are not limited to, green building (Policies CS-6.2, CS-6.3, and CS-6.4, and Actions CS-6.B, CS-6.C and CS-6.D), building codes (Action CS-6.A), and energy efficiency and use (Policies CS-7.1, CS-7.2, CS-7.3, CS-7.4, CS-7.5, and Action CS-7.A, CS-7.B, Action CS-7.C, CS-7.D, and CS-7.F) and implementation of the City's Climate Action Plan programs (Action CS-7.E).

Project Consistency with the 2013 FEIR

4.6(a-b) (Energy Consumption) No Change Relative to the 2013 FEIR: The Project consists of the construction and operation of an industrial development that would be subject to the applicable General Plan policies regarding green building and energy use and current building code standards requiring energy efficiency in new industrial construction. The Project would be subject to the latest energy efficiency standards as well as other green building standards pursuant to Title 24, with conformance ensured through the City's building permit review process.

The Project will maintain compliance with the 2015 Water Efficient Landscape Ordinance thereby contributing to a reduction in energy expended to treat and convey water. Construction of the Project would be subject to the BAAQMD best management practices that require minimizing idling time and maintaining construction equipment to manufacturer's specifications that would reduce inefficient consumption of fuels. As an industrial development subject to the latest building code and construction standards, energy consumption of the Project would neither be wasteful or inefficient nor would it obstruct a state or local plan for renewable energy or energy efficiency. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion

The Project would not result in any new or more severe impacts to energy relative to what was identified in the 2013 FEIR. The Project would be required to comply with the latest energy efficiency standards as a new construction. Additionally, it is subject to uniformly applied development standards including review of construction plans by building officials to verify compliance with the most recent building codes. No environmental conditions of approval related to energy are required.

4.7. GEOLOGY AND SOILS

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	☐	☐	☒	☐
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii) Strong seismic ground shaking?	☐	☐	☐	☒
iii) Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv) Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; and Geotechnical Investigation, prepared by Cornerstone Earth Group, October 13, 2022.

General Plan EIR Findings

The 2013 FEIR evaluated the potential impacts related to geology and soils in Chapter 4.5 and determined the following.

- Impact GEO-1: Implementation of the proposed project (General Plan), would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving surface rupture along a known active fault; strong seismic ground shaking; seismic-related ground failure, including liquefaction; and landslides. The impact is considered less than significant, subject to compliance with the City of Newark Code. Such compliance would ensure that construction, grading, and related activities meet California Building Code standards, implement erosion control methods, and provide, where required, a professionally prepared soils engineering report, engineering geology report, a liquefaction study, and a geotechnical report in identifying seismic hazards for any projects located in a seismic hazard zone. Additionally, implementation of General Plan Goal EH-2, Policies EH-1.1, EH-1.2 EH2.1 to EH-2.4, and Actions EH-1.A, EH-1.B, EH-2.A to EH-2.F would further address impacts related to ground shaking and liquefaction.

- Impact GEO-2: Implementation of the proposed project (General Plan) would not result in substantial soil erosion or the loss of topsoil. This impact is considered less than significant subject to implementation of the General Plan Goal CS-1, Policy CS-1.4, and Action CS-1.B, and Mitigation Measure 4.5-1 from the Housing Element EIR and Mitigation Measure 4.5-1 from the Dumbarton TOD EIR that pertain to development of complexes containing four or more dwellings on a housing site, or for major remodel projects on such complexes, and development in the Dumbarton TOD area, respectively.

- Impact GEO-3: Implementation of the proposed project (General Plan) would not result in a significant impact related to development on unstable geologic units and soils or result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse. This impact is considered less than significant with the implementation of the City of Newark Code as described above and General Plan Goal EH-1, Policies EH-1.1 and EH-1.2, and Actions EH-1.A, EH-2.A and EH-2.B.

- Impact GEO-4: Implementation of the proposed (General Plan) would not create substantial risks to life or property as a result of its location on expansive soil, as defined in Table 18-1-b of the Uniform Building Code (1994). This impact is considered less than significant, subject to the implementation of General Plan Goal EH-1, Policies EH-1.1 and EH-1.2, EH-2.4, and Actions EH-1.A, EH-2.A and EH-2.B and Mitigation Measure 4.5-1 from the Housing Element EIR and Mitigation Measure 4.5-1 from the Dumbarton TOD EIR that pertain to development of complexes containing four or more dwellings on a housing site, or for major remodel projects on such complexes, and development in the Dumbarton TOD area, respectively. Additionally, implementation of the City of Newark Code, as described above, would further reduce this impact to a less than significant level.

- Impact GEO-5: Implementation of the proposed project (General Plan) would not result in impacts associated with the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater. As sewers are available for disposal of wastewater there will be no impact.

- Impact GEO-6: Implementation of the proposed project (General Plan) in combination with existing, planned, proposed, and reasonably foreseeable development, would not contribute to cumulative geologic, seismic, and soil impacts, as the impacts are often site-specific and not additive in character. Therefore, there would be no cumulatively considerable impacts related to Geology and Soils as a result of the proposed project (General Plan). Additionally, there would be further protection with compliance with the City of Newark Code, and implementation of Mitigation Measure 4.5-1 from the Housing Element EIR and Mitigation Measure 4.5-1 from the Dumbarton TOD EIR , as described above as well as the following General Plan goals, policies, and actions: Goals EH-1, EH-2, CS-1, Policies EH-1.1, EH-1.2, EH-2.1 to EH-2.4, and Actions EH-1.A, EH-1.B, EH-2.A, EH-2.B, EH-2.C, EH-2.D, EH-2.E, EH-2.F, and CS-1.B.

- Impact CULT-3: Implementation of the proposed project (General Plan) would not directly or indirectly destroy a unique paleontological resource or site, or unique geologic feature. This impact would be less than significant because the potential for fossil remains of significance are unlikely in the Plan Area due to the relatively recent age of Holocene Bay mud underlying the city. Additionally, since no previous fossil finds have been made in the vicinity, and there are no known paleontological resources in Newark according to the University Of California Museum Of Paleontology Specimen Search database, paleontological potential of this area is considered low.

Project Consistency with the 2013 FEIR

A “Geotechnical Investigation,” dated October 2022, was prepared for the Project by Cornerstone Earth Group (**Appendix B**). This investigation evaluated physical and engineering properties of the subsurface, conducted engineering analysis to prepare recommendations for site work and grading, building construction and installation of associated improvements. The following discussion relative to the Project is based on this “Geotechnical Investigation.”

4.7(a) (Seismic Hazards) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts related to exposing people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving surface rupture along a known fault; strong seismic ground shaking; seismic-related ground failure, including liquefaction; and landslides would be less than significant, subject to compliance with the City of Newark Building Codes and General Plan policies and actions identified under Impact GEO-1

The “Geotechnical Investigation” (**Appendix B**) conducted for the Project site, pursuant to Action EH-2.A of the City’s General Plan, indicates that the Project site is not located within a designated Alquist-Priolo Earthquake Fault Zone and no known surface expression of fault traces is believed to exist within the site. However, due to the site’s location in the seismically active Bay Area region, as identified and considered in the 2013 FEIR, the site and the city would experience ground shaking. The Project is subject to construction standards established for seismic safety within the most recent California Building Code, which would minimize potential impacts resulting from ground shaking.

The Project’s geotechnical investigation encountered 1.25 to 9 feet of potentially undocumented fill overlying alluvial clays, silts, sands, and gravels on the previously developed Project site with groundwater depths approximately from 5 to 12 feet below ground surface (bgs). The geotechnical exploration concluded the primary geotechnical hazards potentially impacting the proposed development include potential for liquefaction-induced settlements and ground deformation, the presence of soft to medium stiff clays, shallow groundwater, the presence of moderately expansive soils, presence of undocumented fill, the potential for soil corrosion potential, and redevelopment considerations. The Project is located within a State-designated Liquefaction Hazard Zone. Per the investigation, liquefaction could occur on the site and result in differential

settlement of 1 to 2 2/3 inches with moderate potential for the liquified soils to vent through cracks in the surficial soil. The liquefaction hazard could significantly increase during a strong seismic event. According to the General Plan Tune Up EIR, the Project site is not within an earthquake-induced landslide hazard zone.

The Project's geotechnical report includes detailed recommendations regarding foundation design to tolerate the potential liquefaction-induced settlement and ground deformation. This report has been reviewed and accepted by the City's Engineering Division. Additionally, pursuant to COA GEO-1 specified below, the applicant shall provide the City with a design level geotechnical report for review and approval to ensure that the design of the proposed building foundation withstand liquefaction induced settlement and ground deformation impacts. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.7(b) (Erosion) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts related to soil erosion would be less than significant subject to General Plan goals and policies and other measures identified under Impact GEO-2.

The Project site is previously disturbed from past uses and would be redeveloped with new grading, paving, and landscaping. The Project reduces impervious surfaces by 29,474 square feet and would convert it to pervious surfaces. As such, redevelopment would decrease the storm water runoff from the site when compared to pre-development conditions. Consistent with Action CS-1.B, the City would require best management practices for soil erosion and sediment control during construction. Implementation of these requirements would serve to minimize impacts of pollutants and sediment in runoff to stormwater systems.

Ground disturbance activities on the Project site will be carried out in accordance with the City of Newark "Grading and Excavation" regulations (NMC Chapter 15.50), The City's Public Works Department administers NMC Chapter 15.50 and has reviewed and conditionally accepted the Project's grading and drainage plans as for compliance with NMC Chapter 15.50. As a result, soil erosion or loss of topsoil impacts because of the Project would be less than significant. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.7(c) (Geologic Stability) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts related to geologic stability would be less than significant. According to the Project's geotechnical investigation, there is potential for liquefaction of localized sand layers to occur during a seismic event. The geotechnical investigation provides recommendations for shallow footings and ground improvement to help mitigate the seismic-induced settlement and increase bearing capacity. Additionally, the City of Newark Code would ensure that construction, grading, and any related activities meet the California Building Code standards and implement erosion control strategies. As such, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.7(d) (Expansive Soils) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts related to expansive soils would be less than significant. The Project's geotechnical investigation (**Appendix B**) indicates the presence of expansive soils that generally cover the site and exhibit moderate shrink/swell potential. These changes in soil volume with changes in moisture content can cause heaving and cracking of slabs-on-grade, pavements, and structures founded on shallow foundations. The investigation provides grading and foundation recommendations to minimize potential effects of expansive soils on the Project. Therefore, the Project would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.8(e) (Septic Tanks) No Change Relative to the 2013 FEIR: The 2013 FEIR determined there would be no impacts to septic tanks or alternative wastewater disposal systems. The Project would not include the use of septic tanks. Instead, a 6" sanitary sewer line would collect waste from the industrial facility and connect to the existing 33" sanitary sewer line in Central Avenue. Therefore, the Project would not result in any changes relative to the 2013 FEIR regarding use of septic tanks or alternative wastewater disposal systems.

4.9.(f) (Paleontological Resources) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts on unique geologic or paleontological resources would be less than significant. It is unlikely that the

project construction activities would directly or indirectly destroy a unique paleontological resource or site or unique geologic feature given the age of recent subsurface soils, lack of paleontological resource discoveries in the city and previous development and disturbance on the Project site. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to Paleontological Resources.

Conclusion and Environmental Conditions of Approval

The proposed Project is within the scope of development projected under the General Plan and would not result in any new or more severe impacts to geology and soils relative to what was identified the 2013 FEIR with implementation of the following environmental conditions of approval.

COA GEO-1 Prior to issuance of a building permit, the applicant shall prepare and submit a design-level geotechnical report to the City for review and implement the recommendations herein, as approved by the City.

4.8. GREENHOUSE GAS EMISSIONS

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; and Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue Warehouse Project, City of Newark, Alameda County, California, dated July 19, FirstCarbon Solutions.

General Plan EIR Findings

The 2013 FEIR evaluated the potential impacts related to greenhouse gas emissions in Chapter 4.6 and determined the following:

- Impact GHG-1: Implementation of the proposed project (General Plan) would result in greenhouse gas emissions (GHG) in excess of the long-term 2050 GHG reduction target interpolated from Executive Order S-03-05 (2025) with significant GHG emissions within the City of Newark. These emissions would exceed 4.0 $MTCO_{2e}$ per service population for the City for long term growth anticipated to the year 2035. These GHG emissions could not be avoided without major advancement in technological state of the art that existed in 2013 despite Uniformly Applicable Development Standards for new developments. Therefore, the impact with respect to generation of GHG emissions would be significant and unavoidable. A statement of overriding consideration was adopted with certification of the 2013 FEIR.

- Impact GHG-2: The proposed project (General Plan) would not conflict with an applicable plan, policy, or regulation for the purpose of reducing the emissions of GHGs, namely, California Air Resources Board (CARB) scoping plan, Metropolitan Transportation Commission's (MTC's) Plan Bay Area and the Newark Climate Action Plan. This impact is considered less than significant.

Project Consistency with the 2013 FEIR

A report titled "Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis," dated July 19, 2024, was prepared by FirstCarbon Solutions (**Appendix A**). The following discussion is based on this report.

4.8(a) (Greenhouse Gas Generation) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that GHG generation for buildout of the General Plan would be significant and unavoidable without advancement in technology.

Global climate change is not confined to a particular project area and is generally accepted as the consequence of global industrialization over the last 200 years. A typical project, even a very large one, does not generate enough GHG emissions on its own to influence global climate change significantly. Therefore, the issue of global climate change is, by definition, a cumulative environmental impact. BAAQMD specifies qualitative thresholds for measuring a project's contribution to GHG emissions during both the construction and operation phases. Both the construction and operational impacts of the Project are analyzed below relative to BAAQMD's qualitative thresholds.

Construction

The Project's construction emissions are specified under the assumption that construction will commence in May 2025 and conclude in February 2026. The Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis assesses that the Project's construction emission would be less as vehicle and equipment fuel efficiencies and emission control standards continue to incrementally improve with each year. Based on analysis presented in the Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the Project, construction would generate approximately 849 metric tons of carbon dioxide equivalents (MT CO2e) should it to begin May 2025 and end in February 2025. The Project's construction emissions are likely to decrease nominally from the aforementioned 840 metric tons of carbon dioxide equivalents (MT CO2e), if construction is rescheduled to later years.

Operation

The BAAQMD adopted qualitative thresholds to determine whether the impact from GHG would be significant. Compliance with these thresholds would render the GHG impact of a Project less than significant.

Table 4. CEQA Thresholds of Significance for Greenhouse Gas Emissions, Adopted April 2022
Thresholds for Land Use Projects (Must Include A or B)

A. Projects must include, at a minimum, the following project design elements: 1. Buildings a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 2. Transportation a. Achieve a reduction in project-generated vehicle miles traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita ii. Office projects: 15 percent below the existing VMT per employee iii. Retail projects: No net increase in existing VMT b. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2.
B. Be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).

As stated in the Project Description, The Project's energy supply would be required to be electric with high-efficiency appliances. As described in Section 4.6 Energy, the Project will not result in any wasteful, inefficient, or unnecessary energy usage. As described in Section 4.17. Transportation, the Project is within a South Planning Area Traffic Analysis Zone (TAZ) that has a VMT per capita of 14.02. The target VMT, based on the South Planning Area Average, for a less than significant VMT impact is 14.6 or below (which is 15 percent below the 17.2 VMT per employee). COA GHG-1, below, would ensure that the Project achieves compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.8(b) (Conflict with Plans) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that the General Plan would not conflict with California Air Resources Board (CARB) scoping plan, Metropolitan Transportation Commission's (MTC's) Plan Bay Area or the Newark Climate Action Plan. These plans include measures and strategies for greenhouse gas emissions reduction to meet state targets. The Project proposes development that is consistent with the development envisioned in the General Plan and is consistent with the General Plan policies, such as those related to green building and energy use, that promote a reduction in greenhouse gas emission through the application of energy efficiency standards and green building requirements under the California Building Code. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact regarding GHG relative to the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The proposed Project is within the scope of development projected under the General Plan and analyzed in the 2013 FEIR. Impacts from greenhouse gas emissions were determined to be significant and unavoidable in the 2013 FEIR and a statement of overriding considerations was adopted. The Project would include design elements that, in combination with the COA GHG-1 below, would reduce GHG emissions impacts to a less than significant impact.

COA GHG-1 The Project shall comply with the most recent CalGreen Tier 2 EV requirements for non-residential projects and show the required number of EV spaces on the plans.

4.9. HAZARDS AND HAZARDOUS MATERIALS

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result,	☐	☐	☒	☐

would it create a significant hazard to the public or the environment?				
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; Phase I Environmental Site Assessment Report, prepared by Farallon Consulting, April 30, 2024; Data Gap Investigation and Site Closure, prepared by Farallon Consulting, September 13, 2023; and State Responsibility Fire Hazard Severity Zone Maps, Office of the State Fire Marshall, accessed April 2024.

General Plan EIR Findings

The 2013 FEIR evaluated potential Hazards and Human Materials impacts in Chapter 4.7 and determined the following:

- Impact HAZ-1: The implementation of the proposed project (General Plan) would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. This impact is considered less than significant, subject to compliance with applicable federal, state, and local regulations. Further, implementation of the following General Plan goals, policies and actions would further minimize the risks from routine transport, use, or disposal of hazardous materials: Goal EH-4, Policies EH-4.1, EH-4.4 to EH-4.7, Actions EH-4.A, EH-4.C, EH-4.E, EH-4.G and EH-4.I.

- Impact HAZ-2: Implementation of the proposed project (General Plan) would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment. This impact is considered less than significant, subject to compliance with applicable federal, State, and local regulations and conditions of approval, including Mitigation Measures HAZ-1.1 through HAZ-5.1 (Newark Areas 3 and 4 Specific Plan), 4.6-1 and 4.6-2a (2010 Housing Element), and 4.7-1a through 4.7-1e (Dumbarton TOD Specific Plan). Implementation of the following General Plan goals, policies and actions would further minimize the risks to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment: Goal EH-4, Policies EH-4.1 and EH-4.4, and Actions EH-4.A, EH-4.C, EH-4.E, EH-4H, EH-4.J and EH-4.K.

- Impact HAZ-3: Implementation of the proposed project (General Plan) would not result in significant impacts associated with hazardous emissions or handling of hazardous or acutely hazardous materials, substances, or waste within ¼-mile of an existing or proposed school. This impact is considered less than significant, subject to implementation of applicable regulations and conditions of approval. Mitigation Measures HAZ-2.1 (Newark Areas 3 and 4 Specific Plan), 4.6-1 and 4.6-2a (2010 Housing Element), and 4.7-1a through 4.7-1e (Dumbarton TOD Specific Plan) would apply to land uses that could have the potential to result in an increased risk of release of hazardous materials. Further, implementation of General Plan goals, policies, and actions listed under Impacts HAZ-1, HAZ-2, and HAZ-4, would ensure that hazardous emissions or handling of hazardous materials, substances, or waste within ¼-mile of an existing school is minimized to the maximum extent practicable. This impact is considered less than significant.

- Impact HAZ-4: Implementation of the proposed project (General Plan) would not create a significant hazard to the public or the environment as a result of development on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. This impact is considered less than significant, subject to compliance with applicable regulation and conditions of approval, including Mitigation Measures 4.6-1 and 4.6-2a (2010 Housing Element Update), HAZ-1.1 though HAZ-5.1 (Newark Areas 3 and 4 Specific Plan), and 4.7-1a though 4.7-1e (Dumbarton TOD Specific Plan), together with implementation of General Plan goals, policies, and actions under Impacts HAZ-1 and HAZ-2, and as follows: Goal HW-5, Policies HW-5.1 to HW-5.3, and Action HW-5.A. This impact is considered less than significant.

- Impact HAZ-5: Implementation of the proposed project (General Plan) would not result in a safety hazard for people residing or working in the Plan Area due to development within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport because there are no public use airports public use airports within the Plan area with the nearest airport greater than two miles away from the City of Newark. Therefore, there would be no impact to the safety for people residing in or working in the area because of proximity to airports.

- Impact HAZ-6: Implementation of the proposed project (General Plan) would not result in a safety hazard for people residing or working in the Plan Area due to development in the vicinity of a private airstrip because there are no private airstrips within or in the near vicinity of the Plan Area and there would be no impact as a result.

- Impact HAZ-7: Implementation of the proposed project (General Plan) would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. This impact is considered less than significant, subject to compliance with the Cal EMA (Strategic Plan 2010-2015), the City of Newark Emergency Operations Plan and the City of Newark Chemical Emergency Preparedness Plan along with the following goals, policies and actions of the General Plan: Goal EH-5, Policies EH-5.1, to EH-5.8, and Actions EH-5.A to EH-5.H.

- Impact HAZ-8: Implementation of the proposed project (General Plan) would not expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands because the Plan Area is surrounded on all sides by land within the limits of the City of Fremont and is not designated as having high, very high, or extreme wildland fire threat to people, as determined by CAL FIRE's Wildlife Urban Interface Fire Threat data. Future development in the Plan Area would be constructed pursuant to the California Building Code, California Fire Code, and the City of Newark Municipal Code and the General Plan Goal EH-1, and Policies EH-1.1 and EH-1.2 would further ensure minimization of risks from wildland fires. This impact is considered less than significant.

- Impact HAZ-9: Implementation of the proposed project (General Plan) in combination with past, present, and reasonably foreseeable projects, would not contribute to cumulative increase in risk to hazards or hazardous materials. This impact is considered less than significant, subject to compliance with the applicable federal, state and local regulations, conditions of approval and General Plan goals, policies and actions identified above under Impacts HAZ-1 to HAZ-8.

Project Consistency with the 2013 FEIR

A Phase I Environmental Site Assessment Report, dated April 30, 2024 (**Appendix C-1**), and a Media Management Plan titled “Data Gap Investigation and request for site closure”, dated September 13, 2023 (**Appendix C-2**), were prepared by Farallon Consulting. The following discussion relative to hazardous materials issues on the Project site is based on these reports.

4.9(a) (Routine Transport, Use or Disposal) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with applicable federal, state, and local regulations would reduce the risk to

the public or the environment because of the routine transport, use, or disposal of hazardous materials to a less than significant level.

The Project site has had a history of hazardous materials and hazardous materials contamination, investigations and remediation, as described in the Project's Phase I Environmental Site Assessment, and is currently under a voluntary cleanup agreement with the Alameda County Water District (ACWD) related to limited chemical releases and is pursuing a regulatory case closure from the regulatory agency. The Applicant has provided ACWD, a Media Management Plan, dated 2023, which, according to the Applicant, was required by the ACWD in support of case closure. At the time of preparation of this environmental analysis, the Applicant has indicated that a Media Management Report is under final review and an approval is expected.

The Project may result in potential management of hazardous materials and would be required to comply with General Plan policies and standard regulatory measures governing their handling and treatment. Potentially hazardous building materials (e.g., asbestos containing materials, lead-based paint, etc.) could be encountered during demolition of existing structures. Additionally, subsequent Project construction activities would result in the temporary presence of potentially hazardous materials including, but not limited to, fuels, lubricants, paints, solvents, insulation, electrical wiring, and other construction related materials onsite. The Project may result in routine transport, use, or disposal of hazardous materials because of the prospective uses of the proposed building. However, compliance with applicable federal, and state laws, implementation of General Plan Policies EH-4.4 to EH-4.7, and Actions EH-4.A, EH-4.E, EH-4.G and EH-4.I and other applicable local regulations would ensure less than significant impact from routine transport, use, or disposal of hazardous materials. Moreover, the Project is sited in an area with land use and zoning designations intended to provide for industrial activities operated in accordance with General Plan policies and applicable regulations. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(b) (Upset and Accident Involving Release) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that compliance with applicable federal, state, and local regulations, applicable General Plan goals and policies, and applicable mitigation measures from previous plans as described would reduce the hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment to a less than significant level.

As it relates to the Project, General Plan Policies EH-4.4 to EH-4.7, and Actions EH-4.A, EH-4.E, EH-4.G and EH-4.I as well as Action EH-4.J are applicable to address any impact from upset and accident involving release of hazardous materials in the environment. In accordance with Action EH-4. J, a Phase I Environmental Site Assessment (ESA) (**Appendix C-1**), and a Media Management Plan, titled "Data Gap Investigation and request for site closure", dated September 13, 2023, were prepared for the Project site because of the presence of hazardous materials on site because of its industrial use. The Phase I ESA was prepared in general conformance with the scope and limitations of American Society for Testing and Materials (ASTM) E1527-21 and the standards and practices of the All-Appropriate Inquiry – Final Rule (40 Code of Federal Regulations Part 312). As described above, the latter document is under review by ACWD for a case closure request. COA HAZ -1 is imposed to subject the development on the Project site to the determination on the case closure determination by the ACWD, requested by the Applicant. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(c) (Emit or Handle Hazardous Material within ¼ Mile of School Sites) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the implementation of the General Plan would result in a less than significant impact as it relates to the release and exposure of hazardous material onto schools sites with ¼ mile of the Project site subject to implementation of the Mitigation Measures identified under Impact HAZ-3 above and implementation of General Plan goals, policies, and actions listed under Impacts HAZ-1, HAZ-2, and HAZ-4. However, there are no schools within ¼ mile of the Project site. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(d) (Existing Hazardous Materials Sites) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that implementation of the General Plan would result in less than significant impacts due to

development on a hazardous materials sites compiled pursuant to Government Code Section 65962.5 subject mitigation measures and General Plan goals, policies and actions. As described under 4.9 (a) and 4.9 (b), the Project site, which is a hazardous materials site itself, would be subject to the applicable regulations of ACWD and the San Francisco Regional Water Quality Control Board (SFRWQCB), Region 2, the responsible state and local agencies. And COA HAZ-1, below. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(e) (Public Airport Land Use Plans, Public, Public Use Airport) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that no impacts related to airports or airstrips would occur as no airports are located within or proximate to the Plan area. The subject Project site is not located within the boundaries of an airport land use plan, public or public use airport nor is it located in direct proximity to a private airstrip. The nearest airport, Hayward Executive Airport, is located approximately 11 miles to the north of the Project site. Other area airports include, Palo Alto Airport, which is located approximately 13 miles west of the Project site and Norman Y. Mineta San Jose International Airport, which is located further away at approximately 16 miles to the south of the Project site. Accordingly, no impacts associated with airport-related hazards will result from the Project. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(f) (Impair Emergency Response Plan) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the General Plan would not impair implementation of or physically interfere with the City's emergency response plan or emergency evacuation plan and impacts would be less than significant subject to compliance with applicable regulations, conditions of approval and the applicable General Plan goal, policies and actions identified above under Impact HAZ-7.

The City of Newark has adopted two emergency response plans. The "Emergency Operations Plan" is the City's primary plan which provides operational procedures for responding to a variety of emergency conditions, including earthquakes, flooding, tsunamis, hazardous material incidents, and civil defense conditions. The guidelines included in this plan address the needs of the entire community and identify key responsible agencies and personnel. The "Chemical Emergency Preparedness Supporting Plan" is the City's second response plan, which establishes standard operating procedures for responding to a chemical spill or hazardous materials incidents within the City.

As an industrial development consistent with the General Plan and applicable policies, the proposed Project improvements are not expected to impair the implementation of or physically interfere with the aforementioned plans. The Project is not altering the existing road network and includes adequate onsite access to accommodate emergency vehicles, including adequate driveway/drive aisle width and turning radii that have been reviewed and approved by the Alameda County Fire Department Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(g) (Wildland Fire Hazards) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the General Plan would not result in impacts related to wildland fire hazard because of the highly urbanized nature of the Plan area and vicinity. Further, the General Plan goal and policies as identified under Impact HAZ-8 that pertain to compliance with development and code requirements and location of projects would ensure that the impacts are less than significant.

The Project area is largely surrounded by urban development and roadways and is not adjacent to a wildland urban interface fire hazard area. The Project site is not in an area categorized as any of the Fire Hazard Severity Zones by CAL FIRE and is surrounded by land also not included in any Fire Hazard Severity Zones. The Project development would also be subject to the California Building Code, California Fire Code, and the City of Newark Municipal Code and the Project site is proximate to an existing fire station, which is located approximately one mile away from the Project site. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The Project would not result in any new or more severe impacts to human health caused by hazards or hazardous materials relative to what was identified the 2013 FEIR subject to implementation of applicable regulations, conditions of approval, and General Plan policies and actions. The Project is generally consistent with the General Plan by introducing industrial development on a site designated for such use. The following environmental conditions of approval are imposed in compliance with the General Plan goals, policies and actions regarding hazardous materials and waste.

COA HAZ-1: Prior to issuance of any demolition permit, the applicant/project developer shall provide the City of Newark with evidence of approval by the ACWD of the Media Management Plan, titled "Data Gap Investigation and request for site closure", dated September 13, 2023, prepared by Farallon Consulting and case closure.

4.10. HYDROLOGY AND WATER QUALITY

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☐	☒
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i) result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; FEMA FIRMette maps, accessed April 2024; Department of Conservation Tsunami Hazard Area Map, accessed April 2024; and National Oceanic and Atmospheric Administration (NOAA) Office of Coastal Management, Sea Level Rise Viewer, accessed April 2024.

General Plan EIR Findings

The 2013 FEIR evaluated the potential impacts related to hydrology and water quality in Chapter 4.8 and determined the following.

- Impact HYD-1: Implementation of the proposed project (General Plan), would not violate any water quality standards or waste discharge requirements subject to compliance with the C.3 provisions set by the SFRWQCB, preparation of a Stormwater Management Plan (SWMP), implementation of stormwater management measures, preparation of an Operations and Maintenance (O&M) Plan for post-construction water quality. and implementation of the General Plan goals and policies as follows: Policies CS-3.1, CS-3.4, CS-3.5, CS-3.8, and Actions CS-1.B, CS-3.G and CS-3.H. This impact is considered less than significant.

- Impact HYD-2: Implementation of the proposed project (General Plan) would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level subject to required compliance with ACWD's Well Ordinance (Ordinance No. 2010-01), coordination with the ACWD and SFRWQCB on a former Leaking Underground Fuel Tank (LUFT) site or Site Cleanup Program (SCP) site, C.3 provisions of the Alameda County Clean Water Program, the implementation of water use efficiency measures, and the following General Plan goals and policies: Policies CS-3.1, CS-3.3, CS-6.5 and Actions CS-3.A and CS-3.C.

- Impact HYD-3: Implementation of the proposed project (General Plan) would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion, siltation, or flooding on- or off-site subject to post construction storm water management measure pursuant to C.3 provisions of the Alameda County Clean Water Program and implementation of the following General Plan policies and actions: Policies CS-5.4 to CS-5.8, and Actions CS-5.D and CS-5.E. This impact is considered to be less than significant.

- Impact HYD-4: Implementation of the proposed project (General Plan) would not create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff with the implementation of C.3 provisions for new development, development impact fees that would require developers to pay a fair share of improvements to the storm drain system necessary to accommodate increased flows from the development, and the implementation of General Plan goals and policies as follows: Policies CS-5.5 to CS-5.8, and Actions EH-3.D, EH-3.E and CS-5.E. This impact is considered to be less than significant.

- Impact HYD-5: Implementation of the proposed project (General Plan) would not otherwise substantially degrade water quality with implementation of the applicable regulations, namely, C.3 provisions of the Alameda County Clean Water Program and the City of Newark Municipal Code (NMC), Chapter 8.36 Stormwater Management and Discharge Control. This impact is considered to be less than significant.

- Impact HYD-6: Implementation of the proposed project (General Plan) would not result in a significant impact with respect to the placement of housing or structures, which would impede or redirect flood flows within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map subject to applicable regulations, namely the FEMA Regulations in floodplains – LOMR-Fill Determination Requirements and NMC Chapter 15.40 Construction in Flood Hazard Areas as well as implementation of General Plan policies and actions as follows: Policies EH-3.3 to EH-3.5, EH-3.7 and EH-3.8, and Actions EH-3.A, EH-3.B, EH-3.C and EH-3.E. This impact is considered less than significant.

- Impact HYD-7: Implementation of the proposed project (General Plan) would not expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result

of the failure of a levee or dam subject to compliance with applicable regulations, namely, the FEMA – Levee Certification, California Division of Safety of Dams Regulations – California Water Code – Supervision of Dams and Reservoirs, and Association of Bay Area Government's (ABAG) Multi-Jurisdictional Local Hazard Mitigation Plan together with the implementation of General Plan Goals EH-3, EH-5, Policy EH-3.6, and Actions EH-5.G and EH-5.H. This impact is considered to be less than significant.

- Impact HYD-8: Implementation of the proposed project (General Plan) would not result in significant adverse effects related to inundation by seiche, tsunami, or mudflow. The City of Newark is not considered to be subject to significant risk from tsunamis, seiches, or mudflows. Implementation of the following General Plan policies and actions would further reduce the risks: Goal EH-5, Policies EH-3.9, CS-5.8, EH-5.2 to EH-5.5 and Actions EH-5.A, EH-5.B, EH-5.C, EH-5.D, EH-5.E, EH-5.F, EH-5.G. This impact is considered to be less than significant.

- Impact HYD-9: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would not result in a significant cumulative impact with respect to hydrology and water quality subject to compliance with applicable regulations, namely, the NPDES General Construction Permit, Alameda County Clean Water Program, NMC Chapter 8.36 Stormwater Management and Discharge Control and Chapter 15.40 Construction in Flood Hazard Zones together with General Plan Policies CSF-5.4, CSF-5.7 and Action CSF-5.E. The cumulative impact with respect to hydrology and water quality is considered to be less than significant.

Stormwater Regulations

The State Water Resources Control Board is responsible for implementing the Clean Water Act and has issued a statewide General Permit for construction, which acts to minimize pollutant runoff to surface waters and groundwater. The SFBRWQC board is the regional entity facilitating regional implementation and has issued an NPDES permit to Alameda County and its cities. The NPDES permit applies to development projects and establishes runoff requirements. The City's coverage under the NPDES requires compliance with the Alameda Costa Clean Water Program Stormwater C.3 Guidebook to protect water quality, which includes implementing best management practices (BMP) to control runoff pollutants and guidance on Low Impact Development (LID) to manage stormwater on site. Further, these requirements for stormwater control under the NPDES permit are integrated into the City of Newark Municipal Code. The City of Newark Public Works Department has jurisdiction over stormwater management in the City and is a co-permittee of the Alameda County Clean Water Program.

Project Consistency with the 2013 FEIR

4.9(a) (Discharge) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that the implementation of the General Plan would have a less than significant impact subject to the measures identified under Impact HYD-1 above. Accordingly, the Project is required to comply with the applicable requirements for stormwater control and apply best management practices to the management of stormwater on the Project site, including the stormwater regulations described above. The applicant submitted a "Conceptual Stormwater Quality Control Plan," dated March 27, 2024, prepared by Kier+Wright, which has been reviewed and accepted by the City's Public Works Department. For final approval. the Public Works Department has required that, prior to grading permit issuance, the applicant provide necessary plans, details, and calculations that demonstrate that the plan complies with the applicable Municipal Regional Stormwater NPDES Permit (MRP), as reproduced in COA HYD-1 below. Additionally, COA HYD-2 requires preparation of an Operations and Maintenance (O&M) Plan/Stormwater Treatment Measures Maintenance Agreement for post-construction water quality. With these measures the Project will be in conformance with the General Plan policies and actions applicable to the Project. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(b) (Groundwater) No Change Relative to the 2013 FEIR: Based on the analysis in the 2013 FEIR, the Project would not substantially deplete groundwater supplies with implementation of applicable regulations such as the Alameda County Water District's Well Ordinance and C.3 provisions of the Alameda County Clean

Water Program. The Project would be required to comply with these requirements. The Project does not involve the extraction and use of groundwater for its operation on the site. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(c)(i-iv) (Drainage Pattern) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that the implementation of the General Plan would not substantially alter the drainage patterns and erosion and siltation impacts would be less than significant, subject to implementation of applicable C.3 provisions of the Alameda County Clean Water Program and General Plan policies as identified above under Impact HYD-3. The 2013 FEIR also determined that developments constructed under the purview of the General Plan would be subject to development impact fees that would require developers to pay a fair share of improvements to the storm drain system necessary to accommodate increased flows from the development. Additionally, the City of Newark has adopted standards of construction in flood hazard zones and projects in flood zones are reviewed by the Newark Public Works Department - Engineering Division in coordination with Alameda County Flood Control District (ACFCD) with detailed review of improvement plans to ensure that flood flows are addressed.

The Project would be subject to and required to comply with all applicable regulations including C.3 provisions of the Alameda County Clean Water Program and the City's Municipal Code that would reduce Project-specific impacts to a less than significant level. With respect to the capacity of the City's stormwater system, Newark is served by an existing storm drain system. As per the City Engineering Division, the Project would not result in inadequate capacity for stormwater discharges from the Project. Further, the City has established development impact fees for new developments to contribute to any needed new or expanded infrastructure. Payment of development impact fees is payable during the building permit process and final drainage plans are reviewed during the improvements plans review process. Development impacts fees are used to maintain and expand the City storm drain system as warranted. The Project is consistent with the development potential analyzed in the 2013 FEIR, including storm drain infrastructure onsite with connections to the existing drain system, and is subject to impact fees.

4.9(d) (Flood Hazard, Tsunami, or Seiche Zones) No Substantial Change Relative to the 2013 FEIR: The Project site is located in an area of minimal flood hazard as presented in the National Flood Hazard Layer FIRMette maps accessed from the Federal Emergency Management Agency (FEMA) in April 2024. Therefore, the risk of the release of pollutants due to project inundation would be less than significant with implementation of COA HYD-2. The Project site is not located on the shoreline and is not subject to associated risk of flooding in these areas. The Project site is not located in an area identified as a shoreline area vulnerable to sea level rise as per the National Oceanic and Atmospheric Administration (NOAA) Office of Coastal Management data on sea level rise (Sea Level Rise Viewer), accessed April 2024. Tsunamis and seiches are not identified as significant flood hazards that may affect the Project as the Project site is located more than 2.6 miles from the shoreline. The site is not located in a tsunami hazard area, as shown in the California Department of Conservation Tsunami Hazard Area Map, accessed April 2024. As a result, there would be no substantial risk of flood hazards, tsunamis, or seiches causing release of pollutants due to Project inundation. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.9(e) (Water Quality Control and Sustainable Groundwater) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that new development would be required to adhere to applicable regulations, namely the Alameda County Clean Water Program – C.3 Provisions and NMC, Chapter 8.36 Stormwater Management and Discharge.

The Project would be required to include source control, site design, and LID measures in compliance with the C.3 measures and comply with applicable requirements of the NMC. It would thus not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The proposed Project is within the scope of development projected under the General Plan and there would be no additional impacts to hydrology beyond those analyzed in the 2013 FEIR. The following environmental conditions of approval would apply to the Project.

COA HYD-1: Preliminary Stormwater Treatment Plan is approved in concept only. Final approval is subject to the applicant providing, prior to the issuance of the grading permit, the necessary plans, details, and calculations that demonstrate the plan complies with the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2022-0018, revised July 1, 2022, issued to the City of Newark by the Regional Water Quality Control Board, San Francisco Bay Region.

COA HYD-2: Prior to issuance of a building permit, the applicant shall prepare an Operations and Maintenance (O&M) Plan for post-construction water quality. The O&M Plan shall be reviewed and accepted by the City Engineer prior to Project Construction on the site.

4.11.LAND USE AND PLANNING

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to Land Use in Chapter 4.9 and determined the following:

- Impact LU-1: Implementation of the proposed project (General Plan) would not physically divide an established community subject to compliance with the applicable provisions of the NMC, namely, Title 16, Subdivision Ordinance and Title 17, Zoning Code, together with implementation of General Plan policies and actions intended to foster greater connectivity in the Plan Area and to prevent new development from dividing existing communities, as follows: Policies LU-2.6, LU-4.2, LU-2.5, T-1.4, T-2.3, T-2.5, T-2.12, T-2.10, T-2.2, T-2.9, and Actions T-2.B, T-2.G and T-2.H. This impact is considered less than significant.

- Impact LU-2: Implementation of the proposed project (General Plan) would not conflict with an applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. This impact is considered less than significant, subject to implementation of General Plan Actions LU-6.A, LU-7.B and LU-7.E that are applicable to the Dumbarton TOD Specific Plan Implementation and Southwest Newark Residential and Recreational Focus Area.

- Impact LU-3: Implementation of the proposed project (General Plan) would not result in significant conflicts with the Bay Plan and the Don Edwards San Francisco Bay National Wildlife Refuge Comprehensive Conservation Plan (CCP). Numerous General Plan policies and actions are consistent with the objectives of the Bay Plan, including Policies CS-1.1 to CS-3.1, CS-2.1 and CS-3.1, and Actions CS-2.A, CS-3.G and CS-3.H. Implementation of General Plan policies and actions as follows would minimize disturbances and support the goals of the CCP: Policies CS-1.1 to 1.3, CS-1.5: CS-

2.1 to CS-2.3, CS-2.7, CS-3.4 and CS-3.5, Actions LU-7.A, CS-1.A, CS-1.C, CS-2.A, CS-2.D, CS-2.E, CS-3.H, POS-1.A and POS-1.B.

- Impact LU-4: When considered in combination with past, present, and reasonably foreseeable development in the surrounding area, implementation of the proposed project would not result in significant cumulative impacts with respect to land use and planning. The proposed project would have a less than cumulatively considerable contribution to this impact.

Project Consistency with the 2013 FEIR

4.1(a) (Physically Divide Community) No Change Relative to the 2013 FEIR: The Project is consistent with General Industrial land use and GI zoning designation that are applicable to the Project site as outlined in the General Plan and Newark Municipal Code, respectively. Development on this site would not disrupt the established physical layout of the existing community with new roads, above ground infrastructure or easements running offsite through the existing development in the vicinity. The Project would conform to the provisions of the NMC including development standards such as setbacks and height. The Project would be consistent with applicable General Plan Policy LU-2.6 regarding scale transition in that there would not be an abrupt transition in height between the development proposed by the Project and development in the vicinity. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.1(b) (Conflict with Land Use) No Substantial Change Relative to the 2013 FEIR: The Project site is not within the Dumbarton TOD or Southwest Newark Residential and Recreational Focus Area; therefore, the General Plan actions outlined in LU-2 above do not apply to the Project. The Project proposes a use consistent with the General Industrial land use designation for the site. The Project would comply with the applicable provisions of the City's Zoning Code. As such, the Project would not result in any significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, it would not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion

The Project would not result in any new or more severe impacts relative to land use than those identified in the 2013 FEIR. The Project consists of development consistent with the land use and zoning code as provided. No environmental conditions of approval related to land use are required.

4.12. MINERAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR describes that there are no mineral recovery sites in Newark and while the State Board of Mining and Geology has identified mineral resource zones (MRZ) underlying almost all of the Plan Area, given the extent of urban development in Newark and the proximity of sensitive environmental resources in the Don Edwards San Francisco Bay National Wildlife Refuge, future mineral extraction is unlikely, and an area that was previously designated as containing extractable aggregate deposits is no longer considered to be underlain by aggregate resources per Update of Mineral Land Classification: Aggregate Materials in the South San Francisco Bay Production-Consumption Region (1996). As such, impacts related to the loss of mineral resource availability from the implementation of the project (General Plan) would be less than significant.

Project Consistency with the 2013 FEIR

4.12(a-b) (Mineral Resources) No Change Relative to the 2013 FEIR: The City does not contain known significant mineral resources of value or any mineral recovery sites. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion

The Project would not result in any new or more severe impacts to mineral resources relative to what was identified in the 2013 FEIR.

4.13.NOISE

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; and Acoustical Assessment, prepared by Kimley-Horn and Associates, Inc., December 2023.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to Noise in Chapter 4.10 and determined the following:

- Impact NOI-1: Implementation of the proposed project (General Plan) would not expose people to or generate noise levels in excess of standards established in the General Plan or the NMC and/or the applicable standards of other agencies. This impact is considered less than significant, subject to compliance with the California Building Code and Newark Land Use Noise Compatibility Guidelines and the implementation of General Plan Policy EH-7.4, Action EH-7.A as it pertains to interior noise, and Actions EH-6.A and EH-7.A as it pertains to exterior noise.

- Impact NOI-2: Implementation of the proposed project (General Plan) would not expose people to or generate excessive groundborne vibration or groundborne noise levels. This impact is considered less than significant, subject to compliance with the California Building Code and Newark Land Use Noise Compatibility Guidelines and the implementation of General Plan policies and actions for non-residential uses as follows: Policies LU-2.5, LU-3.5, EH-6.4, EH-7.3, EH-7.6, and Actions EH-6.6, EH-6.7, EH-7.B, EH-7.C, EH-7.D, EH7.E, EH7.F, EH-6.B, LU-2.A..

- Impact NOI-3: Implementation of the proposed project (General Plan) would result in a substantial permanent increase in ambient noise levels in the Plan Area above levels existing without the project with increases in vehicular traffic because of the project implementation in conjunction with regional growth. The permanent increases to ambient noise levels would exceed applicable standards along ten major roadway segments in the Plan Area. Implementation of the applicable goals, policies and actions of the General Plan would reduce or prevent significant increases in ambient noise at sensitive land uses under implementation of the project. However, the mitigation measures described in these policies would not be universally feasible and/or appropriate. No additional measures are available to reduce this impact to a less than significant level and related impacts would be significant and unavoidable. A statement of overriding consideration was adopted with the certification of the 2013 FEIR.

- Impact NOI 4: Implementation of the proposed project (General Plan) would not result in substantial temporary or periodic increases in ambient noise levels in the Plan Area above existing levels subject to compliance with the California Building Code and Newark Land Use Noise Compatibility Guidelines, and the implementation of General Plan Policies EH-6.6, EH-6.7, and Action EH-7.B. This impact is considered less than significant.

- Impact NOI-5: Implementation of the proposed project (General Plan) would not result in exposure of people residing or working in the vicinity of the Plan area to excessive aircraft noise levels, for a project located within an airport land use plan, or where such a plan has not been adopted, within 2 miles of a public airport or public use airport because there are no areas in Newark which fall within an airport land use plan or 55 (decibels) dBA contour for any of the airports located in proximity to the city and all public and public use airports in the vicinity are located a distance of 5 miles or greater. This impact is considered to be less than significant.

- Impact NOI-6: Implementation of the proposed project (General Plan) would not result in exposure of people residing or working in the project area to excessive noise levels, for a project within the vicinity of a private airstrip because there are no private airstrips within Newark and heliports operated by First Interstate Bank and Washington Hospital in Fremont are located at a distance of 1.7 and 2.2 miles, respectively, from the City of Newark border and used sporadically. Therefore, noise impact related to private airstrips would be less than significant.

Project Consistency with the 2013 FEIR

An "Acoustical Assessment", December 2023., (**Appendix D-1**), and a "General Plan Noise Policy Consistency Analysis", March 2023 (**Appendix D-2**), were prepared by Kimley-Horn and Associates, Inc that evaluated the potential construction and operational noise and vibration levels associated with the Project and determined the level of impact the Project would have on the environment. The assessment also analyzed the vibration impacts of the way traffic on the Union Pacifica Railroad adjacent to the Project. The following discussion relative to the Project is based on these reports.

4.13(a) (Increase in Ambient Noise) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that implementation of the General Plan would have a less than significant impact related to temporary or permanent increases in ambient noise levels subject to compliance with the California Building Code and Newark Land Use Noise Compatibility Guidelines with implementation of General Plan policies and actions as identified above under Impact NOI-1.

The Project would entail the demolition of the existing buildings, grading/site preparation work and the construction of one 315,390 square foot industrial facility and associated improvements on the Project site surrounded by other industrial uses. As indicated in the Project's "Acoustical Assessment," both construction activity for the Project and its operation would generate new sources of noise from the Project.

Construction

Construction activities associated with development of the Project would include demolition, site preparation, grading, paving, building construction, and architectural coating. Such activities may require dozers and tractors during site preparation; heavy-duty trucks, backhoes, bulldozers, excavators, front-end loaders, and scrapers during grading and excavation; cranes, forklifts, generators, tractors, and welders during building construction; pavers, rollers, mixers, tractors, and paving equipment during paving; and air compressors during architectural coating. Construction noise would vary depending on the type of equipment being used, location, and stage of the construction process.

The Project's "Acoustical Assessment" indicates grading and excavation to be the shortest phases in the construction process but those that tend to be the loudest because of the operating cycles of the construction equipment used in grading and excavation. These operating cycles may involve one or two minutes of full power operation followed by three to four minutes at low settings. The other primary sources of construction noise would include activity such as placement of large pieces of equipment or the hydraulic movement of machinery lifts. These would be shorter-duration incidents, which would last less than one minute. According to the applicant, no pile-driving activities are proposed for the Project.

While the City of Newark General Plan has not adopted a quantitative construction noise threshold, the Newark Municipal Code (NMC) limits construction equipment noise levels to 86 dBA at the property line and 83 dBA at 25 feet from the source for individual pieces of equipment. The closest noise sensitive receptor is identified as a residential neighborhood located at approximately 670 feet to the northeast of the Project site. The loudest piece of equipment used during the construction process is projected to generate 65 dBA at 670 feet at the site of the residential neighborhood without accounting for the nearby multi-story industrial buildings, multi-story commercial buildings, and trees located north and west of the Project site. With these features taken into consideration, noise levels at the residential neighborhood, 670 feet away from the Project site, would be less than 65 dBA, which is below the normally acceptable noise levels for typical sensitive receptors i.e., residences and churches. At the closest industrial use, located 40 feet northwest from the edge of the Project site, the

loudest piece of equipment would produce a noise level of 90 dBA without accounting for any noise attenuation from nearby buildings or structures.

The aforementioned noise scenarios represent the worst-case because construction activities would typically be spread throughout the Project site, placing some equipment farther away from the affected receptors. Additionally, overall construction noise levels would be intermittent and fluctuate over time due to the variability of construction activities and equipment. COA NOI-1 will be implemented to regulate hours of construction and to address construction noise sources, in accordance with the General Plan Action EH-6.6 and Action EH-6.7, and restrictions of the City's Municipal Code including NMC Section 17.24.100(A)(2) that sets limits on noise from mechanical equipment in accordance with the

Furthermore, the City of Newark commonly places a condition of approval requiring a construction noise management plan on projects. The Project's "Acoustical Assessment" proposes a Construction Management Plan that is expected to reduce noise levels by 20 to 30 decibels, keeping construction noise levels below the 45 dBA interior noise standard at the closest residence and church and 70 dBA at the closest industrial receptor, 74 dBA at 25 feet from the loudest piece of equipment at 25 feet from the Project site and noise levels at any property line would not exceed 86 dBA. These noise levels are consistent with Newark's land-use compatibility guidelines. COA NOI-2 requires the implementation of the Construction Management Plan during Project construction, which shall be prepared by the applicant and submitted to the City for review and approval by the City's Building Department as part of the building permit process. With implementation of the Construction Management Plan the project would be in compliance with the City routinely applied development standards associated with managing construction noise and the project would not result in new or more severe impacts to noise relative to the 2013 FEIR.

Construction Traffic Noise

Large trucks would be necessary to deliver building materials as well as remove dump materials. The movement of such traffic to and from the site would generate an increase in noise levels. As described in the Project's "Acoustical Assessment" a traffic noise level increase of less than 3 dBA is barely perceptible to people a doubling of traffic volume above the exiting traffic would be required to generate perceptible increase in noise levels (3dBA or more). However, the Project's construction related traffic would not double the traffic volume in the vicinity. Therefore, the increase in noise level from Project's construction related traffic would not be noticeable and would not generate traffic noise above the 83 dBA construction noise threshold outlined in the Newark Municipal Code.

Operational Noise

The Project's operations would create new sources of noise consisting of off-site traffic, mechanical equipment (i.e., trash compactors, air conditioners, etc.), delivery trucks on the Project site, and approaching and leaving the loading areas, activities at the loading areas (i.e., maneuvering and idling trucks, loading/unloading, and equipment noise), parking areas (i.e., car door slamming, car radios, engine start-up, and car pass-by), and landscape maintenance activities.

Table 9 of the Project's "Acoustical Assessment" (**Appendix D-1**) shows the increase in noise levels due to the Project traffic above what is existing. As shown in this table, off-site traffic noise level increase due to the Project's operations would be less than 3 dBA, which would not be perceivable. The "Acoustical Assessment" also concluded that mechanical equipment would generate a noise level of 52 dBA at 75 feet from the Project's property line that is below the 70 dBA threshold per NMC. Mechanical equipment noise levels are projected to reach a maximum of 33 dBA (with intermittent operation) at 670 feet from the Project site to the nearest residences that is below the 55 dBA noise level, which is the normally acceptable noise threshold for residential neighborhoods per the NMC.

Noise generated from the Project's loading area, parking lots, and landscape maintenance would not exceed Newark's 70 dBA municipal code standard. Loading area noise, generated by heavy truck movement and engine idling, is expected to reach 67 dBA at the closet property line. This noise level is further reduced to 42 dBA at the nearest residential receptor with distance and attenuated features. Parking area noise is expected

from the slamming of car doors, conversations, and engine start up. The Project's Acoustical Assessment concluded noise levels are not projected to exceed 68 dBA as measured from the property line and 40 dBA at the closest residential receptor, both below the City's noise level thresholds. Landscape maintenance equipment would operate during daytime hours and would not permanently impact ambient noise levels. Landscape related noise is projected to reach 63 dBA at the property line and 20 dBA at the nearest residential receptor that is below the acceptable noise levels as per NMC.

Although the effect of ambient noise on the Project is not considered an environmental impact under CEQA, General Plan Action EH-7.7 requires the preparation of an acoustical study for new developments in areas where the noise levels exceed the 'normally acceptable' levels for the proposed land use, as set forth in the General Plan. The "Acoustical Assessment," December 2023, prepared by Kimley-Horn and Associates, Inc. indicates that the Project is located in an area where the noise levels do not exceed the normally acceptable levels of 75 dB or less as set forth for industrial uses. Therefore, the Project will not result in conflict with General Plan Action EH-7.7.

4.13(b) (Groundborne Vibration) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts from groundborne vibrations would be less than significant subject to compliance with the California Building Code and Newark Land Use Noise Compatibility Guidelines with implementation of General Plan policies and actions as identified above under "General Plan EIR Findings", Impact NOI-2.

Groundborne vibration because of the Project would be attributable to temporary construction related activities. Ground-borne vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. The intensity of such vibrations would also vary depending on the type of construction equipment used and their operation. As described in the Project's "Acoustical Assessment (**Appendix D-1**), the Project construction would occur approximately 165 feet from the nearest off-site use, the industrial building located to the northeast. At 165 feet from the Project construction activity, the vibration velocities from typical heavy construction equipment operations that would be used during project construction would range from 0.0002 to 0.0052 in/sec PPV. These values are well within the vibration threshold of 0.2 in/sec ppv specified by the Federal Transit Administration for avoidance of architectural damage. The Project site is located near a railroad; however, the Project's operations would not involve the use of railroads. The Project operations would also not involve substantially heavy truck operations that would create significant groundborne vibration.

General Plan Action EH-7.E requires a vibration assessment for projects within 200 feet of a railroad. The closest railway to the Project site is 10 feet from the southwest property line and approximately 60 feet from the proposed building. As discussed in the Project's "Acoustical Assessment," industrial uses are not considered vibration sensitive, nonetheless vibration at the building would be below the building damage threshold of 100 VdB as defined in the FTA Transit Noise and Vibration Impact Assessment Manual. Additionally, due to the distance, future receptors inside the proposed industrial building also would not experience vibration levels exceeding the annoyance level threshold of 85 VdB. Therefore, the proposed project would not result in a conflict with General Plan Action EH-7.E.

4.13(c) (Airfield Noise) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that noise impacts due to the proximity of the Project site to an airfield would be less than significant. The City is not located within the vicinity of a private airstrip or an airport land use plan, nor is it within two miles of a public airport or public use airport. As indicated in Chapter 4.9 of this document, the nearest airport, Hayward Executive Airport, is located approximately 11 miles to the north of the Project site. Other area airports include, Palo Alto Airport, which is located approximately 7 miles west of the Project site and Norman Y. Mineta San Jose International Airport, which is located further away at approximately 12 miles to the southeast of the Project site. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The Project would not result in any new or more severe impacts to noise relative to what was identified in the 2013 FEIR with the implementation of the following conditions of approval:

COA NOI-1: The Applicant/Project Contractor shall implement the following noise reduction measures to minimize the impact of construction noise onto offsite receivers and demonstrate compliance to the satisfaction of the City of Newark Director of Public Works or City Engineer:

1. Construct solid plywood fences around ground level construction sites adjacent to the project property line, resulting in a decibel reduction of 5-15 dBA.
2. ii. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. This would provide at least a 10 dBA reduction to individual equipment noise.
3. Prohibit unnecessary idling of internal combustion engines.
4. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from the project property line. Construct temporary noise barriers to screen stationary noise-generating equipment at the project property line.
5. Utilize “quiet” air compressors and other stationary noise sources where technology exists.
6. Control noise from construction workers’ radios to a point where they are not audible at existing residences bordering the Project site.
7. Notify all adjacent businesses, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of “noisy” construction activities to the adjacent land uses and nearby residences.
8. If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.
9. Designate a “disturbance coordinator” who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

COA NOI-2 Prior to issuance of a demolition permit or improvements plans, the Applicant shall prepare and submit the Construction Management plan to the City’s Building Department for review and shall make any modifications to the Plan for Building to find it acceptable. The Applicant/Project’s Contractor shall implement the Project’s Construction Management Plan included in the “Acoustical Assessment”, prepared for the Project by Kimley-Horn and Associates, Inc., December 2023. .

4.14.POPULATION AND HOUSING

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to Population and Housing in Chapter 4.11 and determined the following:

- Impact POP-1: Implementation of the proposed project (General Plan) would not induce substantial unplanned population growth in the Plan Area either directly or indirectly, subject to the implementation of Mitigation Measure 4.9-1 from the Newark Housing Element EIR and General Plan Policies LU-1.2 and LU-1.4. This impact is considered less than significant.

- Impact POP-2: Implementation of the proposed project (General Plan) would not displace substantial numbers of existing housing units, necessitating the construction of replacement housing elsewhere, subject to implementation of the General Plan Policies LU-1.2, LU-1.8 and LU-1.10. This impact is considered less than significant.

- Impact POP-3: Implementation of the proposed project (General Plan) would not displace substantial numbers of people, necessitating the construction of replacement housing elsewhere, subject to implementation of General Plan Policy LU-1.8 and the development of new housing units as per the General Plan. This impact is considered less than significant.

- Impact POP-4: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable projects, would not result in significant cumulative impacts with respect to population and housing as buildout of the project would be consistent with regional planning initiatives, and occur incrementally over a period of 20 years and would not represent substantial, unplanned growth even though and the project could result in more growth than currently envisioned in regional projections. This impact is less than cumulatively considerable.

Project Consistency with the 2013 FEIR

4.14(a) (Induced Substantial Unplanned Population Growth). No Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts from induced substantial growth would be less than significant with the implementation of policies identified under Impact POP-1. The Project would facilitate infill development of an Industrial facility that may lead to a minor increase in population because of the potential influx of employees and their families into the city. However, the Project site has been previously developed with industrial use and the proposed development is consistent with the General Industrial land use designation that was planned for in the General Plan. According to the General Plan, vacant industrial sites are part of the most substantial development opportunities in the city. Additionally, the Project site is served by existing infrastructure within an established urban environment. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR with respect to substantial unplanned population growth. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

4.14(b) (Displacement and Replacement Housing). No Change Relative to the 2013 FEIR: The 2013 FEIR determined that impacts from displacement of people that could necessitate construction of replacement housing elsewhere would be less than significant with the implementation of policies identified under Impact POP-2, and Impact POP-3. Consistent with these policies, the General Plan has designated areas for the development of housing in the city, with the intent to increase the amount and variety of housing opportunities. The Project involves the development of an industrial facility and associated office space within an area currently developed and designated for such use; the Project site does not propose demolition of housing because the site does not contain any housing, and would, thus, not result in displacement of people that could necessitate construction of replacement housing elsewhere. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR in this regard.

Conclusion

The Project would not result in any new or more severe impacts displacement of people and construction of replacement housing relative to what was identified in the 2013 FEIR. The Project consists of development consistent with the projected growth under the General Plan and no environmental conditions of approval related to population and housing are required.

4.15. PUBLIC SERVICES

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	☐	☐	☒	☐
Fire Protection?	☐	☐	☒	☐
Police Protection?	☐	☐	☒	☐
Schools?	☐	☐	☒	☐
Parks?	☐	☐	☒	☐
Other public facilities?	☐	☐	☒	☐

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to Public Services in Chapter 4.12 and determined the following:

Fire Protection

- Impact PS-1: Implementation of the proposed project (General Plan) would not result in the provision of or need for new or physically altered fire protection facilities, the construction or operation of which could cause significant environmental impacts because, per the Alameda County Fire Department (ACFD), the increase in population at project buildout would not require the construction or expansion of facilities. Further compliance with the provisions of the California Building Code and California Fire Code and implementation of the following General Plan goals, policies and actions would reduce the risks associated with fire hazards and minimize calls for fire and emergency medical response services in Newark: Goals CS-2 and CSF-4; Policies CSF-4.2, CSF-4.4 to CSF-4.7, and Actions CSF-4.F, CSF-4.G and CSF-4.H. This impact is considered to be less than significant.

- Impact PS-2: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would not result in significant cumulative impacts with respect to fire protection service subject to the California Building Code, California Fire Code, and

development review of future projects under the General Plan and ACFD Strategic Business Plan. This is a less than cumulatively considerable impact.

Law Enforcement Services

- Impact PS-3: Implementation of the proposed project (General Plan) would not result in a significant impact related to the construction or expansion of police facilities with continued collection of Capital Facilities Fees from development under the proposed project and implementation of General Plan Goal CSF-4, Policy CSF-4.1, and Actions CSF-4 and CSF-4.D.

- Impact PS-4: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable growth, would not result in significant cumulative impacts with respect to law enforcement services subject to Capital Facilities Fees from development under the Plan and development review of future projects under the General Plan and because the changes and growth anticipated under the proposed Plan would not have any cumulative impact beyond the service boundary of the Newark Police Department service area. This is a less than cumulatively considerable impact.

Public Schools

- Impact PS-5: Implementation of the proposed project (General Plan) would not result in the provision of or need for new or physically altered school facilities, the construction or operation of which could cause significant environmental impacts subject to school impact fees and pursuant to the provisions of California Government Code Section 65996(3)(h) whereby payment of these fees is deemed to be full and complete mitigation of these impacts. This is a less than significant impact. Further, General Plan Policies CSF-2.1 and CSF-2.2, and Actions CSF-2.A and CSF-2.B provide the framework for the accommodation of increased enrollment as it occurs incrementally over the horizon of the proposed project.

- Impact PS-6: Implementation of the proposed project (General Plan) in combination with past, present, and reasonably foreseeable growth in the Newark Union School District Service area would result in less than significant cumulative impacts with respect to schools subject to the payment of school impact fees by future development under the Plan and implementation of the policies and actions identified above. This is a less than cumulatively considerable impact.

Parks

- Impact PS-7: Implementation of the proposed project (General Plan) would not result in substantial adverse physical impacts associated with the provision of new or physically altered parks and recreational facilities in order to maintain the City's adopted ratio of parkland per thousand residents with the implementation of the General Plan Actions POS-3.A, POS-3.D and POS-3.H and subject to project-level CEQA review at the time future park facilities are proposed for construction in order to identify and mitigate associated impacts, as needed. This impact is considered to be less than significant.

- Impact PS-8 is discussed under the "Recreation Section".

- Impact PS-9 is discussed under the "Recreation Section".

- Impact PS-10 is discussed under the "Recreation Section".

Other Facilities

- Impact PS-11: Implementation of the proposed project (General Plan) would not result in the need for new or physically altered library facilities with the implementation of the Goal CSF-1, Policy CSF-1.6, and Actions CSF-1.E and CSF-1.F. This impact is considered to be less than significant.

- Impact PS-12: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would result in less than significant cumulative impacts with respect to libraries because the proposed project is not anticipated to contribute to a substantial adverse impact on the library system's ability to serve its constituents and future library expansion or improvements when and if identified would undergo project specific CEQA review. This is a less than cumulatively considerable impact.

Project Consistency with the 2013 FEIR

4.15(a) (Public Services) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded a less than significant level of impact on public utilities at built out of the General Plan, subject to implementation of the General Plan policies as identified under "General Plan EIR Findings", development impact fees that would be required to offset the increase in the use of police, schools, parks and other services, and engagement of City departments in the review of future development projects to ensure that projects are designed and developed to minimize impacts.

The Project is consistent with the development potential specified in the General Plan for this site and analyzed in the 2013 FEIR, and as an industrial infill development would directly impact the demand for police and fire protection facilities. The Project plans were reviewed and accepted by the Fire and Police Departments, and it would comply with the applicable policies and actions outlined above under Impact PS-1 and PS-3. The Project does not propose any residential units but may indirectly impact schools and parks through demand that could potentially be generated by the employees of the facility and their families. The potential impact of industrial development on this site on Newark's housing supply was evaluated in the 2013 FEIR and determined to be less than significant. The 2013 FEIR determined that much of the additional demand from the buildout of the General Plan was accounted for in the Newark Union School District (NUSD) projections. The increase in demand for parks associated with population growth and development was also determined to be less than significant in the 2013 FEIR at built out of the General Plan. As such, the Project's impact would be less than significant on schools and parks because it would be developed in accordance with the City's General Plan land use designation and zoning applicable to the Project site.

Additionally, the Project would be subject to school impact fees where payment of these fees is deemed to be full and complete mitigation of school impacts pursuant to the provisions of California Government Code Section 65996(3)(h). Furthermore, as described in Chapter 4.16 of this document, the Project would include a private open space area, for use by the occupants of the industrial facility. The Project is also subject to development impact fees to fund maintenance, acquisition, and development of City of Newark facilities. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to public services other than those identified in the 2013 FEIR.

Conclusion

The Project would not result in any new or more severe impacts to public services relative to what was identified in the 2013 FEIR. The Project consists of development anticipated in and consistent with the General Plan and would be developed in accordance with the applicable zoning. Additionally, the Project would be subject to the required development impact fees would offset potential incremental increase in the use of services. No environmental conditions of approval related to public services are required.

4.16.RECREATION

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Would the project increase the use of existing neighborhood and regional parks or other recreational	☐	☐	☐	☒

facilities such that substantial physical deterioration of the facility would occur or be accelerated?				
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to recreational parks and facilities in Chapter 4.12, Public Services and Recreation, and determined the following:

- Impact PS-7: The proposed Plan would not result in substantial adverse physical impacts associated with the provision of new or physically altered parks and recreational facilities in order to maintain the City's adopted ratio of parkland per thousand residents subject to implementation of POS-3.A, POS-3.D, and POD-3.H.

- Impact PS-8: Implementation of the proposed project (General Plan) would not increase the use of existing neighborhood and regional parks or other recreational facilities, such that substantial physical deterioration of the facility would occur, or be accelerated with the implementation of General Plan Goal POS-3, and Policies POS-3.1, POS-3.2 and POS-3.8. This impact is considered a less than significant impact.

- Impact PS-9: Implementation of the proposed project (General Plan) would not include or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment as described under Impact PS-7 above. This impact is considered to be less than significant.

- Impact PS-10: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable growth, would not result in significant cumulative impacts with respect to parks and recreational facilities with the implementation of the following General Plan goal, policies and actions: Goal PR-5, Policies PR-1.5, PR-4.4, PR-5.1 to PR-5.8, and Actions PR-5.A, PR-5.B, PR-5.C and PR-5.D. This is a less than cumulatively considerable impact.

Project Consistency with the 2013 FEIR

4.16(a) (Deterioration of Parks) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the General Plan would not result in a significant impact to existing recreational facilities because of increased use. The Project does not directly propose the construction of any parks or recreational facilities; however, it includes numerous goals, policies, and actions that seek to promote and encourage the development of parks in the Plan Area. Specific actions for increasing provision of parks are identified above in Impact PS-7 discussion. Further, General Plan goals and policies identified under Impact PS-8 and PS-9 would be implemented to keep up with the anticipated population increase at buildout, modernization and maintenance of existing recreations facilities.

The Project is generally consistent with the General Plan as an industrial facility on a site designated for such use in the General Plan. Additionally, the Project would include a common open space area for employees at the front of the proposed industrial facility. This space would serve new employees that would occupy the proposed industrial facility. The Project would also be subject to parks impact fees, which are used to fund maintenance, acquisition, and development of Newark parks and recreational facilities. Therefore, the Project implementation would not result in new or more severe impacts relative to the 2013 FEIR with respect to deterioration of parks or other recreational facilities.

4.16(b) (Additional Recreational Facilities) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the General Plan would not result in a significant impact related to an adverse physical effect on the environment due to the construction or expansion of recreational facilities. The General Plan does not directly propose the construction of any parks or recreational facilities; however, it includes goals, policies, and actions that seek to promote and encourage the development of parks in the Plan Area. The General Plan identified facilities in the Dumbarton TOD and Southwest Newark Residential and Recreational Focus Area that were analyzed in the respective EIRs at a programmatic level and the specific park projects will be analyzed at the project level at the time of their development. However, the Project is not in the Dumbarton TOD and Southwest Newark Residential Focus Area and potential impacts from future park facilities identified in the General Plan would not be attributable Project.

The Project proposes an outdoor employee open space at the front of the proposed industrial facility, which would accommodate new employees. As such, the proposed Project would not require the construction or expansion of recreational facilities. Furthermore, the Project would contribute development impact fees to fund parkland acquisition as well as maintenance and development of Newark parks and recreational facilities. Therefore, environmental impacts related to construction, or expansion of recreational facilities are not expected to be substantially new or more severe relative to the 2013 FEIR as a result of the proposed Project.

Conclusion

The Project consists of an infill development of an industrial facility anticipated by the General Plan and will be subject to park impact fees. Therefore, the Project would not result in any new or more severe impacts relative to what was identified in the 2013 FEIR with respect to recreation.

4.17.TRANSPORTATION

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☐	☒
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☐	☒
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
d) Result in inadequate emergency access?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; and Transportation Impact Study, prepared by Kimley Horn, revised May 2025.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to Traffic and Circulation in Chapter 4.13 and determined the following:

- Impact TRANS-1: Implementation of the proposed project (General Plan) would cause intersection operation to degrade to an unacceptable LOS F at the a) Ardenwood Boulevard and SR 84 westbound ramps intersection during the AM peak hour in 2035, b) the Newark Boulevard and SR 84 eastbound

ramps intersection during the PM peak hour in 2035, and c) the Cherry Street/Boyce Road and Stevenson Boulevard intersection during the PM peak hour at buildout. This is considered a significant impact and remains significant and unavoidable with mitigation. A statement of overriding consideration was adopted with the certification of the 2013 FEIR.

None of the above referenced intersections would be impacted by the Project traffic and were not required to be studied as part of the Project.

- Impact TRANS-2: Implementation of the proposed project (General Plan) would not conflict with the 2011 Alameda County Transportation Commission (CTC) Congestion Management Program (CMP) and would not add traffic representing more than 1 percent of the roadway capacity to any of the Metropolitan Transportation System (MTS) roadway segments in the Plan Area or its vicinity. Additionally, congestion levels would be reduced by the following General Plan goals, policies and actions: Goals T-3, T-4, Policies T-3.1, T-3.3, T-3.4, T-4.1 to T-4.9, T-6.1, T-6.2 and T-6.4, and Actions T-3.A to T-3.C, T-4, T-4.A to T-4.E. This impact is considered a less than significant impact.

- Impact TRANS-3: Implementation of the proposed project (General Plan U) would not result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks because as described in Chapter 4.9 and 4.13 of this document there are no airports in the vicinity of the Project site except helipads located 1.7 miles away where landings are infrequent. This impact is considered a less than significant impact.

- Impact TRANS-4: Implementation of the proposed project (General Plan) would not substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment) subject to the design and safety standards in Newark Municipal Code, the State Building Code, and the State-referenced provisions of the International Fire Code and the implementation of the General Plan goals, policies and actions, including Policies T-1.6, T-2.7, T-2.8, T-5.11, and Action T-1.B This impact is considered a less than significant impact.

- Impact TRANS-5: Implementation of the proposed project (General Plan) would not result in inadequate emergency access subject to the subject to the design and emergency standards specified in the Newark Municipal Code, the State Building Code, and the State-referenced provisions of the International Fire Code and the implementation of General Plan policies and actions intended to ensure adequate emergency access and efficient circulation, including Policies T-5.1 and T-5.9, and Action T-1.B. This impact is considered a less than significant impact.

- Impact TRANS 6: Implementation of the proposed project (General Plan) would not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities because of the following:
    - City of Newark has adopted a Complete Streets Policy that is consistent with California AB 1358, and requires that transportation improvements in Newark be planned, funded, designed, constructed, operated, and maintained to provide safe mobility for all users appropriate to the function and context of the facility. The Complete Streets Policy is supported by General Plan Goal T-1, Policies T-1.1, T-1.3, T-1.6, and Actions T-1.B to T-I.D.
    - The General Plan is consistent with the Newark Transportation System Management Ordinance, adopted to manage employment-related travel demand supported by Policy T-4.6.
    - The City's ongoing efforts at preparation of a Pedestrian and Bicycle Master Plan for a system of bikeways and support facilities within Newark that will also establish design standards for bicycle facilities, as well as education and safety programs. The General Plan goals, policies and actions that support the development of the City's Pedestrian and Bicycle Master Plan are as follows: Goal T-2, Policies T-2.1 to T-2.13, and Actions T-2.A to T-2.F, T-2.H to T-2.J.

  This impact is considered a less than significant impact.

- Impact TRANS 7: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable projects, would not result in additional cumulatively considerable impacts because cumulative impacts would be the same as impacts specific to the proposed project

that would be addressed locally through specific road improvements, as well as through implementation of the goals, policies, and actions of the General Plan that seek to reduce existing vehicle trips, minimize the addition of new vehicle trips, and lower per capita VMT. This is a less than cumulatively considerable impact.

Level of Service to Vehicle Miles Traveled

Level of service (LOS) has historically been used as a standard measure of traffic service within the City of Newark. Pursuant to SB 743, as of July 1, 2020, lead agencies are required to evaluate transportation impacts of a project using a Vehicle Miles Traveled (VMT) metric, which focuses on balancing the needs of congestion management with statewide goals related to infill development, promotion of public health through increased active mobility facilitated by closer proximity to alternative travel modes and reduction of greenhouse gas emissions.

In December 2018, the California Governor's Office of Planning and Research (OPR) published the Technical Advisory on Evaluating Transportation Impacts in CEQA, which provides recommendations for evaluating a project's transportation impact using a VMT metric, thresholds of significance, and mitigation measures. Pursuant to Government Code Section 15064.3(b), lead agencies have discretion to select the most appropriate methodology for evaluating a project's VMT impacts. To date, February 2024, the City of Newark has not adopted VMT thresholds or guidelines. In the absence of locally adopted thresholds at the time of review of the proposed Project, the City of Newark relies upon recommendations set forth in the Governor's Office of Planning and Research (OPR)'s Technical Advisory. The Technical Advisory provides qualitative thresholds for which projects are considered to have characteristics that will not result in significant VMT impacts and are therefore not required to conduct transportation analysis for VMT.

Vehicle Miles Traveled (VMT) Screening Analysis

SB 743 established a change in the metric to be applied for determining traffic impacts associated with development projects. The OPR Technical Advisory (December 2018) provides guidance to analysts and local jurisdictions for implementing VMT as a metric for determining the transportation impact for land use projects The OPR guidelines state that for analysis purposes, "VMT" refers to automobile VMT, specifically passenger vehicles and light trucks. Heavy truck traffic is typically excluded. The OPR methodology and implementation guidelines were adopted by the Alameda County Transportation Commission in July 2020.

Project Consistency with the 2013 FEIR

The following discussion is based on the Transportation Impact Study, dated May 2025, prepared by Kimley Horn (**Appendix E**):

4.17(a) (Conflicts with Plans, Policies, Ordinances) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that the implementation of the General Plan would not conflict with the 2011 Alameda CTC (ACTC) Congestion Management Program (CMP). The CMP is a technical document that describes strategies and procedures to: (1) measure the performance of the county's multimodal transportation system, (2) address roadway congestion and improve the performance of a multimodal system, and (3) connect transportation and land use planning. Pursuant to state legislation, the ACTC is required to update the CMP every two years and the ACTC CMP has been updated after the adoption of the General Plan in 2013 and certification of the 2013 FEIR. However, the technical elements of a CMP remain the same. The CMP recommends a detailed transportation impact analysis (TIA) for projects generating 100 vehicle-trips or more during the weekday PM peak hour.

The Transportation Impact Study, prepared by Kimley Horn (**Appendix E**), estimated that the Project would generate 3,339 net daily trips of which 303 (248 inbound, 55 outbound) trips would be generated during the a.m. peak hour and 376 (151 inbound, 225 outbound) trips would be generated during the p.m. peak hour. Since the project is expected to generate greater than 100 net PM peak hour trips, a CMP roadway segment analysis was required. The Transportation Impact Study evaluates the impacts on the transportation infrastructure due to the addition of traffic from the Project at 10 study intersections during the morning (a.m.)

and afternoon (p.m.) peak hours under No Project and Plus Project scenarios for existing conditions using the Level of Service analysis methodology. While the LOS standards are no longer used for identifying impacts under CEQA, the LOS analysis is still used for determining consistency with adopted agency plans and standards.

Based on the City of Newark standards, a project would result in an adverse impact on traffic conditions at a signalized intersection if for either peak hour:

1. The level of service at the intersection degrades from an acceptable LOS D or better under no project conditions to an unacceptable LOS E or F under project conditions.
2. The level of service at the intersection is an unacceptable LOS (e.g. LOS E or F) under no-project conditions and the addition of project trips causes the average delay at the intersection to increase by four (4) or more seconds.

The Transportation Impact Study, prepared by Kimley Horn, concludes that development of the proposed project and resulting traffic generation would result in no LOS operations deficiencies. However, the Project would result in a queuing deficiency at the northbound left-turn lane of Cherry Street and Central Avenue in the Existing Plus Project Conditions. To address the queuing deficiency in the AM and PM peak hours, the Traffic Impact Study recommends that a twice per cycle left-turn phase be provided for the northbound left-turn lane of Cherry Street and Central Avenue. This recommendation is included below as COA TRAN-1. The signal timing splits should be adjusted accordingly. With these improvements, the Project would add less than 25 feet of queue to the movement in comparison to Existing Conditions.

The Transportation Impact Study also evaluated unsignalized intersections. Unsignalized intersections that operate unacceptably are not considered a project deficiency if the intersection is operating unacceptably without the project and the increase in delay is less than four (4) seconds, or the intersection does not meet the signal warrants. The following intersections operate unacceptably and add more than four (4) seconds of delay, but each are not considered a project deficiency because the intersections do not meet signal warrants:

- Cherry St/Robertson Ave (AM and PM peak hours)
- Cherry St/Moores Ave (AM and PM peak hours)

Pedestrians and Bicyclists

The City has adopted a “Pedestrian and Bicycle Master Plan,” on February 23, 2017, that comprehensively addresses the City’s biking and walking environment in the years to come. The Project site is served by a Class III bicycle route in each direction along Central Avenue adjacent to the project. In Class III bicycle routes, bicyclists share the roadway with motorists. A Class II bicycle lane also exists on Sycamore Street from Cedar Boulevard to Central Avenue. Within the Project site, bicyclists can share the drive aisles with motorists.

In the vicinity of the project site, there are limited pedestrian and bicycle facilities. On Central Avenue adjacent to the Project site, there are currently no pedestrian facilities, and no sidewalks. The Project proposes to install a sidewalk along the site frontage to Central Avenue. As such, there would be sufficient pedestrian facilities adjacent to the Project site and to nearby uses to provide adequate connectivity. The Project would not introduce any conflicts with the City’s Pedestrian and Bicycle Master Plan. Therefore, the Project will not introduce new or more severe impacts due to a conflict with policies related to vehicular level of service, pedestrian, bicycle and transit services, beyond those identified in the 2013 FEIR.

4.17(b) (Conflict with 15064.3(b) VMT) No Change Relative to the 2013 FEIR: Following adoption of the General Plan and certification of the 2013 FEIR, SB 743 went into effect. In the absence of locally adopted VMT thresholds, the City of Newark is relying upon the Alameda County Transportation Commission (ACTC) guidelines for VMT analysis drawn from the Technical Advisory for evaluating VMT issued by the Governor's Office of Planning and Research (OPR). A VMT Screening Analysis was completed for the Project (**Appendix E**) based on the ACTC guidelines.

With respect to VMT, the ACTC guidelines include a screening process that describes five scenarios in which a project would be exempted from a VMT analysis requirement: 1) projects exempt from CEQA analysis, 2) small projects, 3) local serving projects, 4) projects in transit priority areas, and 5) projects in low VMT areas. ACTC defines a low VMT area as a city or unincorporated portion within one of the ACTC subregions where home-based VMT per resident is at least 15 percent below the countywide VMT or where the commute VMT per employee is at least 15 percent below the regional average. Therefore, under ACTC guidelines, an employee-based project would have a significant impact on VMT if it would generate VMT per employee that is higher than 85 percent of the South Alameda County average. The ACTC model includes traffic analysis zones (TAZ) covering geographic areas throughout Alameda County. As indicated in the Project's Transportation Impact Study , the Project is within a South Planning Area Traffic Analysis Zone (TAZ) that has a VMT per employee of 14.02. The VMT per employee threshold, based on the South Planning Area Average, is at or below 14.6 (which is 15 percent below the 17.2 VMT per employee). Therefore, the proposed Project would not result in a significant impact relative to VMT, since the project's VMT would be below the per employee threshold.

4.17(c) (Geometric Design Feature Hazard) No Change Relative to the 2013 FEIR: The 2013 FEIR determined that there would be a less than significant impact as it relates to hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment), subject to design and construction of the transportation and circulation improvements consistent with local, regional, and federal standards and implementation of General Plan policies identified under Impact TRANS-4 above.

Access to the Project would be provided in generally the same location along Central Avenue with two proposed 40-foot-wide driveway entrances. The "Project Transportation Impact Analysis" includes sight distance analysis at the northernmost (identified as east driveway in the study) driveway, and the second driveway to the south of it (identified as east driveway in the study). The northernmost driveway provides truck access to the site while automobile traffic would utilize the second driveway, south of the first driveway . The sight distance analysis indicates that the sight triangles at the northernmost Project driveway would be clear of obstructions for a truck exiting the driveway to observe oncoming northbound and southbound vehicles along Central Avenue. Similarly, the sight triangles at the second driveway to the south of the first driveway would be clear of obstruction for automobile traffic.

As shown on the Site Plan (Figure 5), the internal vehicular circulation network on the Project site would consist of a drive aisle encircling the proposed industrial building. Internal pedestrian sidewalks will be provided on the three sides of the proposed industrial facility where truck loading bays are not proposed. The proposed internal vehicular circulation has been reviewed and accepted by the Fire Department and Engineering Division staff of the City.

The Project does not propose off-site transportation-related improvements, and the overall geometric design feature will not be altered upon completion of the Project. Therefore, the Project will not result in new or more severe impacts beyond those analyzed in the 2013 FEIR by way of introducing a hazardous design feature.

4.17(d) (Emergency Access) No Change Relative to the 2013 FEIR: The 2013 FEIR concluded that impacts related to emergency access would be less than significant subject to design and construction of the transportation and circulation improvements consistent with local, regional, and federal standards and implementation of General Plan policies identified under Impact TRANS-5 above. The Project's circulation plan would be subject to review by the Alameda County Fire Department and the City Public Works Department that would ensure that all emergency access requirements are met. The Project's internal circulation would be adequate and provide sufficient street widths and drive aisles to allow for fire truck access to the proposed Project. During construction activities, temporary lane closures primarily on Central Avenue may occur during frontage improvements and utility work that will be coordinated with the Alameda County Fire Department, City Police Department, and emergency responders to ensure that through access is maintained and adequate response times are achievable. Given these factors, the Project's emergency access is in accordance with the applicable General Plan policies and actions. Therefore, emergency vehicle access would be adequate under the proposed Project and there would be no new or more severe impacts relative to the 2013 FEIR with respect to emergency access.

Conclusion and Environmental Conditions of Approval

The Project would not result in any new or more severe impacts to traffic and circulation including transportation relative to what was identified the 2013 FEIR. With the conditions of approval specified below, the Project would be generally consistent with the General Plan:

COA TRAN-1: Project improvements shall include a twice per cycle left-turn phase at the northbound left-turn lane of Cherry Street and Central Avenue.

4.18. TRIBAL CULTURAL RESOURCES

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	☐	☐	☒	☐
a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or				
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

According to Public Resources Code (PRC) Section 21074, tribal cultural resources are defined as follows:

1. Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
    a. Included or determined to be eligible for inclusion in the California Register of Historical Resources (CRHR); or
    b. Included in a local register of historical resources as defined in PRC Section 5020.1(k).
2. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in PRC Section 5024.1(c). In applying the criteria set forth in PRC Section 5024.1(c), the lead agency shall consider the significance of the resource to a California Native American tribe.
3. A cultural landscape that meets the criteria of PRC Section 21074(a) to the extent that the landscape is geographically defined in terms of the size and scope of the landscape.
4. A historical resource described in PRC Section 21084.1, a unique archaeological resource as defined in PRC Section 21083.2(g), or a “non-unique archaeological resource” as defined in PRC Section 21083.2(h) if it conforms with the criteria of PRC Section 21074(a).

General Plan EIR Findings

The 2013 FEIR concluded that the implementation of the General Plan would result in significant and unavoidable impacts related to cultural resources, which may include tribal cultural resources, in the Southwest Newark Residential and Recreational Focus Area. The Project site is not included in the Southwest Newark Residential and Recreational Focus Area. In other locations in the Plan Area, General Plan Policy LU-5.5 would render these impacts to tribal resources less than significant.

Project Consistency with the 2013 FEIR

4.18(a-b) (Listed or Eligible for Listing, Significant Resources) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR identifies the Dumbarton TOD Focus Area and the Southwest Newark Residential and Recreational Focus Area as sensitive for potential archaeological resources. The Project site is not located within any of these areas. It has been previously developed as a storage yard. Public Resources Code Section 21080.3.1 requires lead agencies to provide notice to tribes that are traditionally and culturally affiliated with the geographic area of a proposed project if they have requested notice of projects proposed within that area. No tribes have requested notice of projects proposed in the city of Newark. Therefore, the Project would not result in new or more severe impacts relative to the 2013 FEIR as it relates to a cultural resource of value to a tribe that is listed or eligible for listing in the CRHR, or in a local register of historical resources as defined in PRC Section 5020.1(k).

Additionally, Condition of Approval CUL-1, which is imposed on the Project and set forth in Chapter 4.5, provides for the protection of buried cultural resources, including tribal cultural resources, in the event of discovery. Therefore, the proposed Project would not result in new or more severe impacts than those identified in the 2013 FEIR, with respect to significant tribal resources.

Conclusion and Environmental Condition of Approval

The Project would not result in any new or more severe impacts to tribal cultural resources, relative to what was identified in the 2013 FEIR. Additionally, Condition of Approval CUL-1 is imposed on the Project and would provide for the protection of buried cultural resources, including tribal cultural resources, in the event of discovery.

4.19.UTILITIES AND SERVICE SYSTEMS

Would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the	☐	☐	☒	☐

project's projected demand in addition to the provider's existing commitments?				
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts to Utilities and Service Systems in Chapter 4.14 and determined the following:

Water Supplies/Infrastructure

- Impact UTIL-1: Implementation of the proposed project (General Plan) would increase water demand; however, sufficient water supplies are available to serve the project from existing entitlements and resources. Further, the following General Plan goal, policies and actions would ensure that new development under the proposed project contribute to reducing water demands in the service area: Goal CS-3, Policies CS-3.2, CS-3.3, CS-3.9, CSF-5.1, CSF-5.3, CSF-5.6 to CSF-5.8, and Actions CS-3.B, CSF-5.A, CSF-5.B. This impact is considered to be less than significant.

- Impact UTIL-2: Implementation of the proposed project (General Plan) would not require or result in the construction of new water facilities or expansion of existing facilities, the construction of which would cause significant environmental effects because sufficient water supplies are available to serve the project from existing entitlements and resources as described in Impact UTIL-1. Further, General Plan Policies CSF-5.7 and CSF-5.8 and Action CSF-5.B would ensure that impacts to water facilities would be adequately addressed. This impact is considered to be less than significant.

- Impact UTIL-3: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would result in less than significant cumulative impacts with respect to water supply because cumulative water demands would neither exceed planned levels of supply nor require building new water treatment facilities or expanding existing facilities beyond what is currently planned in the ACWD's Capital Improvements Plan (CIP). Additionally, future development would be required to pay development fees, which would offset the costs of system maintenance and capital upgrades to support the new development in the ACWD service area.

Wastewater

- Impact UTIL-4: Implementation of the proposed project (General Plan) would not exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board (SFRWQCB). This impact is considered a less than significant impact.

- Impact UTIL-5: Implementation of the proposed project (General Plan), would not require or result in the construction of new wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects subject to applicable regulations of the Union Sanitary District (USD) and City of Newark, including their development review process and fees, as well as the implementation of General Plan policies and actions, including Policies CSF-

5.2, CSF-5.3, CSF-5.7, CSF-5.8, and Action CSF-5.C. This impact is considered to be less than significant.

- Impact UTIL-6: Implementation of the proposed project (General Plan), would not result in a determination by the wastewater treatment provider which serves or may serve the project that it does not have adequate capacity to serve the project's projected demand in addition to the provider's existing commitments. This is because future demands from the implementation of the General Plan would not exceed the capacity of Newark's wastewater treatment plant, the Alvarado Wastewater Treatment Plant (AWWTP), and the implementation of policies and actions identified under Impact UTIL-5 would address potential impacts to USD collection system. Additionally, future projects pursuant to the General Plan would be subject to the City of Newark and USD Development Review Process, USD Capacity Fees, and NMC Chapter 3.24 Development Impact Fees. This impact is considered a less than significant impact.

- Impact UTIL-7: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would not result in significant cumulative impacts with respect to wastewater because the increase in volume of wastewater as a result of the project would not be cumulatively considerable, cumulative demand would not substantially impact the existing or planned capacity of the wastewater treatment system, and the construction of new wastewater treatment facilities would not be necessary. Further, implementation of the following General Plan policies would ensure provision of adequate wastewater facilities: Policies CSF-5.2, CSF-5.7 and CSF-5.8. This is a less than cumulatively considerable impact.

Stormwater

- Impact UTIL-8: Implementation of the proposed project (General Plan) would not require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects subject to compliance with the C.3 provisions of the Alameda County Clean Water Program. Further, the following General Plan policies and actions would reduce demand on the storm drainage system: Policies CSF-5.4 to CSF-5.8, CS-6.4, CS-6.5, and Actions CSF-5.D, CSF-5.E, CS-3.G and CS-3.H.

- Impact UTIL-9: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would not result in significant cumulative impacts with respect to stormwater facilities because implementation of the regulations and policies identified above would not substantially increase either the volume or the velocity of stormwater flowing into the storm sewer system that would be upgraded and expanded as necessary to support development in Newark. This is a less than cumulatively considerable impact.

Solid Waste

- Impact UTIL-10: Implementation of the proposed project (General Plan) would be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs. Further, the General Plan contains goals and policies intended to reduce waste generation and the demand for landfill capacity. This impact is considered to be less than significant.

- Impact UTIL-11: The proposed project (General Plan) would comply with federal, State, and local statues and regulations related to solid waste with implementation of General Plan Actions CS-8.A, CS-8.C, CS-8.D, and CS-8.F. This impact is considered to be less than significant.

- Impact UTIL-12: Implementation of the proposed project (General Plan), in combination with past, present, and reasonably foreseeable development, would not result in significant cumulative impacts with respect to solid waste because increase in solid waste generation would be minimal due to waste source reduction and diversion programs that include recycling, composting, mandatory construction and demolition (C&D) debris recycling, and mandatory commercial recycling.

Project Consistency with the 2013 FEIR

4.19(a) (Relocation/Expansion of Utilities) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the implementation of the General Plan would not significantly increase demands for utilities and services systems including water, wastewater, storm drain, and solid waste and impacts related to relocation/expansion of utilities would be less than significant. The proposed Project would develop an industrial facility that would generate demand for utilities and services.

The site is served by existing utilities, including water, wastewater, and storm drain infrastructure which will service the proposed development on the Project site. The proposed development would include installation of water, sanitary sewer and storm drain lines that will connect to the existing infrastructure, respectively. However, the demand for utilities and service systems generated by the infill development Project is anticipated by the 2013 FEIR and does not require the relocation or substantial expansion of infrastructure. Therefore, the Project's impacts related to the relocation, construction, or expansion of utilities will not result in new or more severe impacts relative to the 2013 FEIR.

4.19(b) (Sufficient Water Supplies) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that the implementation of the General Plan would result in a less than significant impact to water supplies because sufficient water supplies during normal, dry, and multiple dry years are available to serve development pursuant to the General Plan from existing entitlements and resources. Additionally, applicable General Plan goals, policies and actions as identified under Impact UTIL-1 would serve to reduce water demand generation by development pursuant to the General Plan.

The proposed Project is consistent with the General Plan and its designated land use. Additionally, the Project would include water efficient landscaping that complies with the 2015 Water Efficient Landscape Ordinance and as a result it would reduce the Project's water demand. Additionally, the Project proposes the use of water efficient plumbing fixtures and irrigation per Alameda County Water District (ACWD) measures. The Project is in an industrial area that has been previously developed and would connect to the existing water distribution system. The Project would be subject to fees required by ACWD for the maintenance of the water system and capital upgrades. Therefore, impacts related to water supplies would not result in new or more severe impacts relative to those identified in the 2013 FEIR.

4.19(c) (Wastewater Capacity) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that implementation of the General Plan would result in less than significant impact related to waste water treatment capacity. The Project is generally consistent with the General Plan and would connect to existing wastewater infrastructure. As such, the Project would be within the flow capacity analyzed as part of the 2013 FEIR. Furthermore, the Project is subject to USD fees and City of Newark Development Impact Fees, which would be used to fund maintenance and expansion of wastewater conveyance systems and treatment facilities, as required. As such, the proposed Project will not cause or exceed wastewater treatment requirements set forth by the SFRWQCB, nor will the Project necessitate the expansion or construction of wastewater conveyance or treatment facilities. Therefore, impacts to wastewater capacity would not result in new or more severe impacts relative to those identified in the 2013 FEIR.

4.19(d,e) (Solid Waste Generation/Compliance with Solid Waste Management) No Substantial Change Relative to the 2013 FEIR: The 2013 FEIR concluded that implementation of the General Plan would have a less than significant impact related to solid waste because future developments under the Plan would be served by a landfill with sufficient permitted capacity to accommodate their solid waste disposal needs. Further, implementation of the applicable General Plan goals and policies would reduce waste generation and the demand for landfill capacity.

The Project would contribute to the generation of solid waste within the General Plan area, but the Project applicant would be required to adhere to all regulations governing the disposal of solid waste, solid waste management and reduction goals. A "Will Serve" letter for the Project, dated January 16, 2023, was provided by the Republic Services that provides solid waste collection services for recycling and waste disposal.

Therefore, solid waste related impacts from the Project construction and operation would not result in new or more severe impacts relative to those identified in the 2013 FEIR.

Conclusion and Environmental Conditions of Approval

The Project would not result in any new or more severe impacts to utilities and service systems relative to what was identified in the 2013 FEIR with the implementation of the following condition of approval:

COA UTIL-1: Prior to the issuance of a building permit, the applicant shall pay the applicable impact fees, in the amount in effect at the time.

4.20. WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013; and State Responsibility Fire Hazard Severity Zone Maps, Office of the State Fire Marshall.

General Plan EIR Findings

The 2013 FEIR evaluated potential impacts related to Wildfires in Chapter 4.9, Hazards and Hazardous Materials and determined the following:

- Impact HAZ-8: As also discussed under Chapter 4.9 of this document, implementation of the proposed project (General Plan) would not expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands because the Plan Area is surrounded on all sides[sic] by land within the limits of the City of Fremont and is not designated as having high, very high, or extreme wildland fire threat to people, as determined by CAL FIRE's Wildlife Urban Interface Fire Threat data. Future development in the Plan Area would be constructed pursuant to the California Building Code, California Fire Code, and the City of Newark Municipal Code and the General Plan Goal EH-1 and Policies EH-1.1 and EH-1.2 would further ensure minimization of risks from wildland fires. This impact is considered to be less than significant.

Project Consistency with the 2013 FEIR

4.20(a-d) (Impair Emergency Plans, Exacerbate Wildfire Risk Exacerbation, Infrastructure Contributing to Wildfire Risk, Exposure to Wildfire-Related Risks – if located in or near state responsibility areas or lands classified as very high fire hazard severity zones) No Change Relative to the 2013 FEIR: As indicated in Chapter 4.9 of this document, the Project site and lands surrounding and in the vicinity of the Project site are not in an area categorized by CAL FIRE as any of the Fire Hazard Severity Zones, including Very High Fire Hazard Severity Zones (VFHSZ). The Project site and surrounding lands are not located in or near state responsibility areas or lands classified as VFHSZ. Therefore, the Project will not result in a new significant impact or substantially increase the severity of a previously identified significant impact relative to the 2013 FEIR.

Conclusion

The Project and surrounding land are not located in or near state responsibility areas or lands classified as Very High Fire Hazard Severity Zones. Therefore, the Project would not result in any new or more severe impacts due to wildfire relative to what was identified the 2013 FEIR.

4.21. MANDATORY FINDINGS OF SIGNIFICANCE

	New Significant Impact Not Identified in 2013 FEIR	More Severe Impact Relative to 2013 FEIR	No Substantial Change Relative to 2013 FEIR	No Change Relative to the 2013 FEIR
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☐	☒
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☐	☐	☐	☒
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☐	☒

Sources: City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013.

General Plan EIR Findings

As presented above in Sections 4.1 through 4.20, the 2013 FEIR included an evaluation of cumulative impacts associated with implementation of the General Plan.

Project Consistency with the 2013 FEIR

4.21(a) (Degrade the Environment) No Change Relative to the 2013 FEIR: The Project is located within the General Plan area boundary and potential impacts associated with its development have been anticipated by the City's General Plan and analyzed in the 2013 FEIR. The Project is consistent with the General Plan Land Use designation, applicable goals, policies, and programs and is required to comply with applicable state, local and federal regulations.

As described in this document, the Project has the potential to result in environmental impacts primarily associated with temporary construction activities related to Air Quality, Biological Resources, Cultural Resources, Geology, Greenhouse Gas Emissions, Hazardous Materials Noise and Utilities; Aesthetics related impact that would pertain to Project operation. Environmental conditions of approval as identified would avoid, reduce, or offset impacts consistent with the 2013 FEIR. With the implementation of conditions of approval set forth in this document with respect to Aesthetics, Air Quality, Biological Resources, Cultural Resources, Geology, Greenhouse Gas Emissions, Hazardous Materials, Noise and Utilities as well as adherence to the City's uniformly applied development standards, the Project's potential to degrade the quality of the environment would be substantially the same as that analyzed in the 2013 FEIR. Therefore, the Project will not degrade the quality of the environment, reduce habitat, or affect cultural resources beyond what has already been disclosed and analyzed in the certified 2013 FEIR.

4.21(b) (Cumulatively Affect the Environment) No Change Relative to the 2013 FEIR: The CEQA Guidelines define cumulative impacts as "two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. The individual effects may be changes resulting from a single project or an increase in environmental impacts. The cumulative impact from several projects is the change in the environment which results from the incremental impact of the proposed project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time (Guidelines, Section 15355(a)(b)).

The analysis of cumulative impacts for each environmental factor can employ one of two methods to establish the effects of other past, current, and probable future projects. A lead agency may select a list of projects, including those outside the control of the agency, or alternatively, a summary of projections. These projections may be from an adopted general plan or related planning document or from a prior environmental document that has been adopted or certified; these documents may describe or evaluate the regional or area-wide conditions contributing to the cumulative impact.

Cumulative impacts of the implementation of the General Plan were evaluated in the 2013 FEIR and found to be less than significant as discussed in Chapter 4.1 to 4.20 of this document. Development of the Project is consistent with the General Plan and the Project is subject to environmental conditions of approval as well as uniformly applied development standards. Implementation of identified conditions of approval and uniformly applied development standards would ensure that development of the proposed Project would not result in cumulatively considerable environmental impacts beyond those analyzed in the 2013 FEIR.

4.21(c) (Substantial Adverse Effect on Humans) No Substantial Change Relative to the 2013 FEIR: The Project would not result in any new or more substantial adverse effects on humans relative to the 2013 FEIR findings for the General Plan because the Project is located in the Plan area and consistent with the General Plan. With implementation of the identified environmental conditions of approval, the Project will not result in new or more severe impacts beyond those identified in the 2013 FEIR that would directly or indirectly cause substantial adverse effects on human beings.

Conclusion

The Project would not result in any new or more severe impacts relative to what was identified the 2013 FEIR subject to identified environmental conditions of approval and standard regulatory requirements. No environmental conditions of approval related to mandatory findings of significance are required.

5. REFERENCE DOCUMENTS

The following reference documents are hereby incorporated by reference and are available for review during normal business hours at the City of Newark, 37101 Newark Boulevard, Newark, CA 94560, in the Community Development Department.

5.1. TECHNICAL APPENDICES

A. Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue, July 19, 2024, prepared by FirstCarbon Solutions.

B. Geotechnical Investigation, Central Avenue Logistics Center, October 13, 2022, prepared by Cornerstone Earth Group.

C-1. Phase I Environmental Site Assessment Report, April 30, 2024, prepared by Farallon Consulting.

C-2. Data Gap Investigation and Request for Site Closure, September 13, 2023, prepared by Farallon Consulting.

D-1. Acoustical Assessment, 6750 Central Avenue Project, City of Newark, California, December 2023, prepared by Kimley Horn.

D-2. General Plan Noise Policy Consistency Analysis, March 2023, prepared by Kimley Horn.

E. Transportation Impact Study, prepared by Kimley Horn, dated May 2025.

5.2. OTHER DOCUMENTS REFERENCED

1. Alameda County Water District Groundwater Management Policy, Adopted January 26, 1989, Amended March 22, 2001
2. Bay Area Air Quality Management District (BAAQMD) CEQA Air Quality Guidelines, dated May 2017
3. Bay Area Air Quality Management District Final 2017 Clean Air Plan
4. Bay Area Air Quality Management District Health Risk Screening and Modeling
5. California Department of Transportation (Caltrans). California State Scenic Highway System Map. Accessed March 2025
6. City of Newark General Plan, 2013 and General Plan Tune Up Draft EIR and Final EIR, 2013
7. Citywide Parks Master Plan, June 2017
8. City of Newark, Green Stormwater Infrastructure (GSI) Plan, September 12, 2019
9. Department of Toxic Substances Control (DTSC). EnviroStor Database
10. Resources Control Board (SWRCB). GeoTracker Database
11. Pedestrian and Bicycle Master Plan, approved by Newark City Council on February 23, 2017
12. State Responsibility Fire Hazard Severity Zone Maps, Office of the State Fire Marshall, accessed June 2023
13. FEMA FIRMette maps, FEMA, accessed April 2024
14. Tsunami Hazard Area Map, Department of Conservation, accessed April 2024
15. Sea Level Rise Viewer, National Oceanic and Atmospheric Administration (NOAA) Office of Coastal Management, accessed April 2024
16. Revised Drawings for 6756 Central CUP Application, dated January 27, 2025

6. ENVIRONMENTAL CONDITIONS OF APPROVAL

The following conditions of approval have been identified through this analysis and ensure implementation of applicable mitigation measures and policies set forth in the General Plan and its EIR.

AES-1: All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 (Lighting and Illumination) and NMC Chapter 17.23 (Parking and Loading). All exterior lighting shall be directed on-site so as not to create glare off-site, as required by the Community Development Director.

AQ-1: The following dust control measures, as recommended by the Bay Area Air Quality Management District (BAAQMD), shall be included in the design of the proposed project and implemented during construction:

1. All exposed non-paved surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and access roads) shall be watered at least two times per day and/or non-toxic soil stabilizers shall be applied to exposed non-paved surfaces.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered and/or shall maintain at least 2 feet of freeboard.
3. All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes, as required by the California Airborne Toxics Control Measure (ATCM) Title 13, Section 2485 of California Code of Regulations. Clear signage regarding idling restrictions shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
8. The prime construction contractor shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. The construction contractor shall take corrective action within 48 hours. The BAAQMD's and the City's phone numbers shall also be visible to ensure compliance with applicable regulations.

BIO-1: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. Grading or removal of potentially occupied habitat shall be conducted outside the nesting season, which occurs between approximately February 1 to August 31.
2. If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey (migratory species, passerines, and raptors) of the potentially occupied habitat (trees, shrubs, grassland) shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.
3. If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the

occupied habitat until the young have fledged, as determined by a qualified biologist. The radius of the required buffer zone can vary depending on the species, (i.e., 75-100 feet for passerines and 200-500 feet for raptors). The dimensions of any required buffer zones shall be determined by a qualified biologist.

4. To delineate the buffer zone around the occupied habitat, construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.

5. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriate, adjusted by a qualified biologist as needed to avoid disturbance.

6. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

BIO-2: Prior to any tree removal or alteration, the applicant shall obtain a tree removal permit from the City of Newark Public Works Department and implement tree planting requirements in accordance with development review.

CUL-1: During project construction, if historic, archaeological or Native American materials or artifacts are identified, work within 50-foot radius of such find shall cease and the City shall retain the services of a qualified archeologist and/or paleontologist to assess the significance of the find. adopted with the certification of the 2013 FEIR because not all impacts in the Southwest Newark Residential and Recreational Focus Area may be reduced to less than significant levels.

If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources and similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, all ground disturbing activities near or in any area potentially overlying adjacent human remains shall cease, the County Coroner shall be contacted immediately, and the provisions of State law carried out.

GEO-1 Prior to issuance of a building permit, the applicant shall prepare and submit a design-level geotechnical report to the City for review and implement the recommendations herein, as approved by the City.

GHG-1: COA GHG-1 The Project shall comply with the most recent CalGreen Tier 2 EV requirements for non-residential projects and show the required number of EV spaces on the plans.

HAZ-1: Prior to issuance of any demolition permit, the applicant/project developer shall provide the City of Newark with evidence of approval by the ACWD of the Media Management Plan, titled “Data Gap Investigation and request for site closure”, dated September 13, 2023, prepared by Farallon Consulting and case closure.

HYD-1: Preliminary Stormwater Treatment Plan is approved in concept only. Final approval is subject to the applicant providing, prior to the issuance of the grading permit, the necessary plans, details, and calculations that demonstrate the plan complies with the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2022-0018, revised July 1, 2022, issued to the City of Newark by the Regional Water Quality Control Board, San Francisco Bay Region.

HYD-2: Prior to issuance of a building permit, the applicant shall prepare an Operations and Maintenance (O&M) Plan for post-construction water quality. The O&M Plan shall be reviewed and accepted by the City Engineer prior to Project Construction on the site.

NOI-1: The Applicant/Project Contractor shall implement the following noise reduction measures to minimize the impact of construction noise onto offsite receivers and demonstrate compliance to the satisfaction of the City of Newark Director of Public Works or City Engineer:

1. Construct solid plywood fences around ground level construction sites adjacent to the project property line, resulting in a decibel reduction of 5-15 dBA.
2. ii. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. This would provide at least a 10 dBA reduction to individual equipment noise.
3. Prohibit unnecessary idling of internal combustion engines.
4. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from the project property line. Construct temporary noise barriers to screen stationary noise-generating equipment at the project property line.
5. Utilize “quiet” air compressors and other stationary noise sources where technology exists.
6. Control noise from construction workers’ radios to a point where they are not audible at existing residences bordering the Project site.
7. Notify all adjacent businesses, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of “noisy” construction activities to the adjacent land uses and nearby residences.
8. If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.
9. Designate a “disturbance coordinator” who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

NOI-2: Prior to issuance of a demolition permit or improvements plans, the Applicant shall prepare and submit the Construction Management plan to the City’s Building Department for review and shall make any modifications to the Plan for Building to find it acceptable. The Applicant/Project’s Contractor shall implement the Project’s Construction Management Plan included in the “Acoustical Assessment”, prepared for the Project by Kimley-Horn and Associates, Inc., December 2023.

TRAN-1: Project improvements shall include a twice per cycle left-turn phase at the northbound left-turn lane of Cherry Street and Central Avenue.

UTIL-1: Prior to the issuance of a building permit, the applicant shall pay the applicable impact fees, in the amount in effect at the time.

Memorandum

Date: July 19, 2024

To: Ryan Marshall, Director of Development, Prologis

From: Philip Ault, Director of Noise and Air Quality, FirstCarbon Solutions
Tsui Li, Senior Air Quality Scientist

Subject: Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis for the 6756 Central Avenue Warehouse Project, City of Newark, Alameda County, California

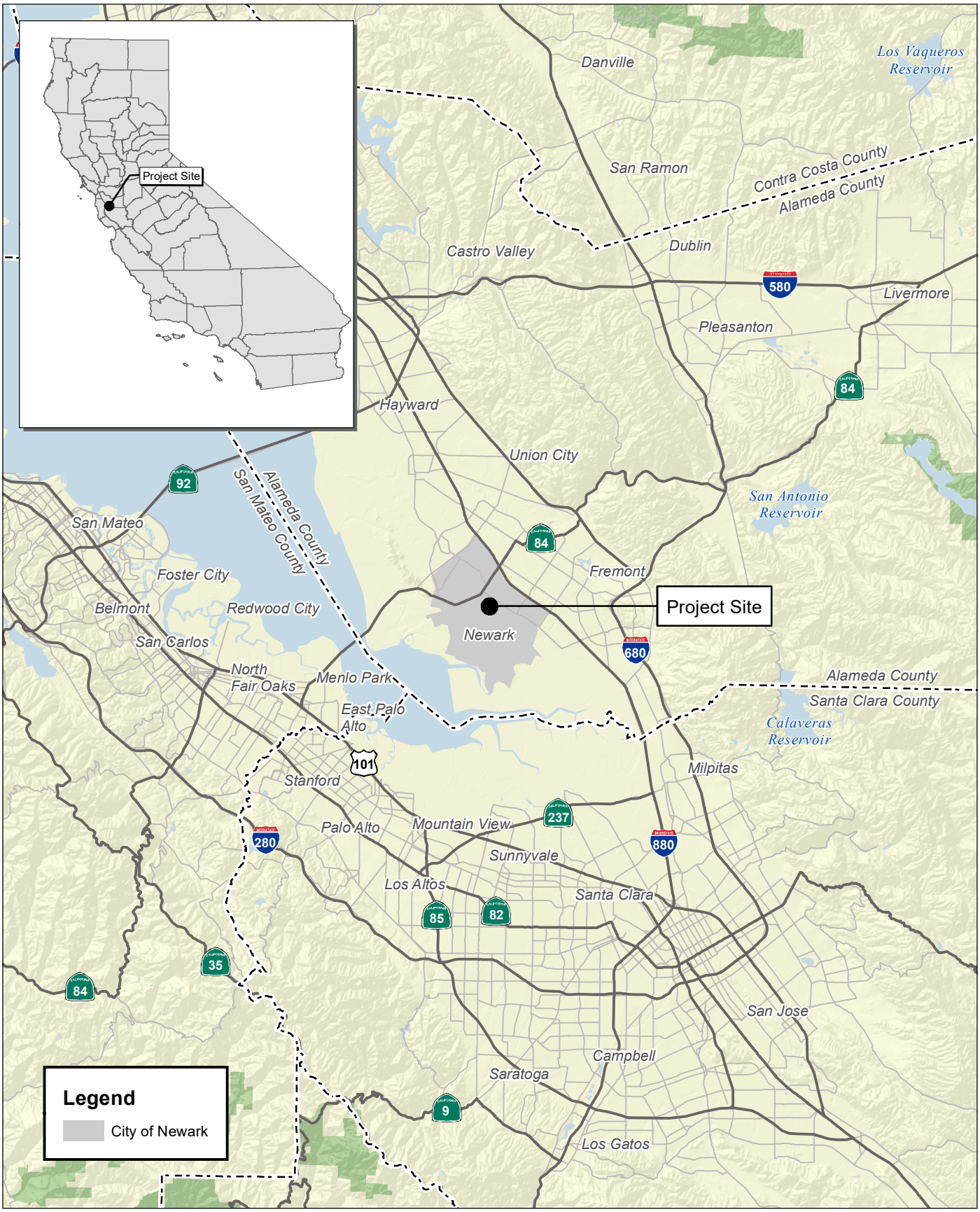
At the request of Prologis (project applicant), FirstCarbon Solutions (FCS) prepared this memorandum to summarize the findings of the air quality, greenhouse gas (GHG) emissions, and energy analyses prepared for the proposed 6756 Central Avenue Warehouse Project (proposed project). The project site is located at 6756 Central Avenue, at the intersection of Central Avenue and Sycamore Street, in the City of Newark (City), Alameda County (County), California (Exhibit 1). The project site consists of Assessor's Parcel Numbers (APNs) 092A-2165-014, -015, -016, and -017. The project site is currently occupied by an industrial building and is bound by a Union Pacific Railroad line, a railroad lay-down area utilized by Altamont Express, industrial and warehouse uses surrounding the project site, and single-family residential uses further northeast and further northwest (Exhibit 2).

RECOMMENDATIONS TO AVOID OR MINIMIZE POTENTIAL PROJECT-RELATED IMPACTS TO SENSITIVE RECEPTORS IN THE PROJECT VICINITY ARE INCLUDED IN THIS MEMORANDUM AS APPROPRIATE.

PROJECT UNDERSTANDING

The overall project site is 17.4 acres. The project applicant proposes to demolish 113,500 square feet of industrial building and 545,679 square feet of hardscape and to construct a 315,390-square-foot building with 281,583 square feet dedicated to industrial/warehouse uses and an additional 33,806 square feet for office uses (Exhibit 3). The proposed project would provide a total of 85,022 square feet of landscaping, including 31,341 square feet of bioretention area.

The proposed project would provide a total of 401 vehicle parking spaces. Ten of the proposed parking spaces would be accessible parking, 95 spaces would be for compact-sized vehicles, and 291 spaces would be standard parking. Parking would be provided throughout the project site, located primarily on the setback between the building and Central Avenue but also dispersed on the northeast, southwest, and southeast project boundaries. In addition, the proposed project would provide 34 total bicycle parking spaces. Fourteen of the bicycle spaces would be for long-term storage, and 20 bicycle spaces would be for short-term parking.



Source: Census 2000 Data, The California Spatial Information Library (CaSIL).

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5 2.5 0 5 Miles

Exhibit 1
Regional Location Map

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CITY OF NEWARK
6756 CENTRAL AVENUE INDUSTRIAL PROJECT
AIR QUALITY, GREENHOUSE GAS EMISSIONS, AND ENERGY TECHNICAL MEMORANDUM

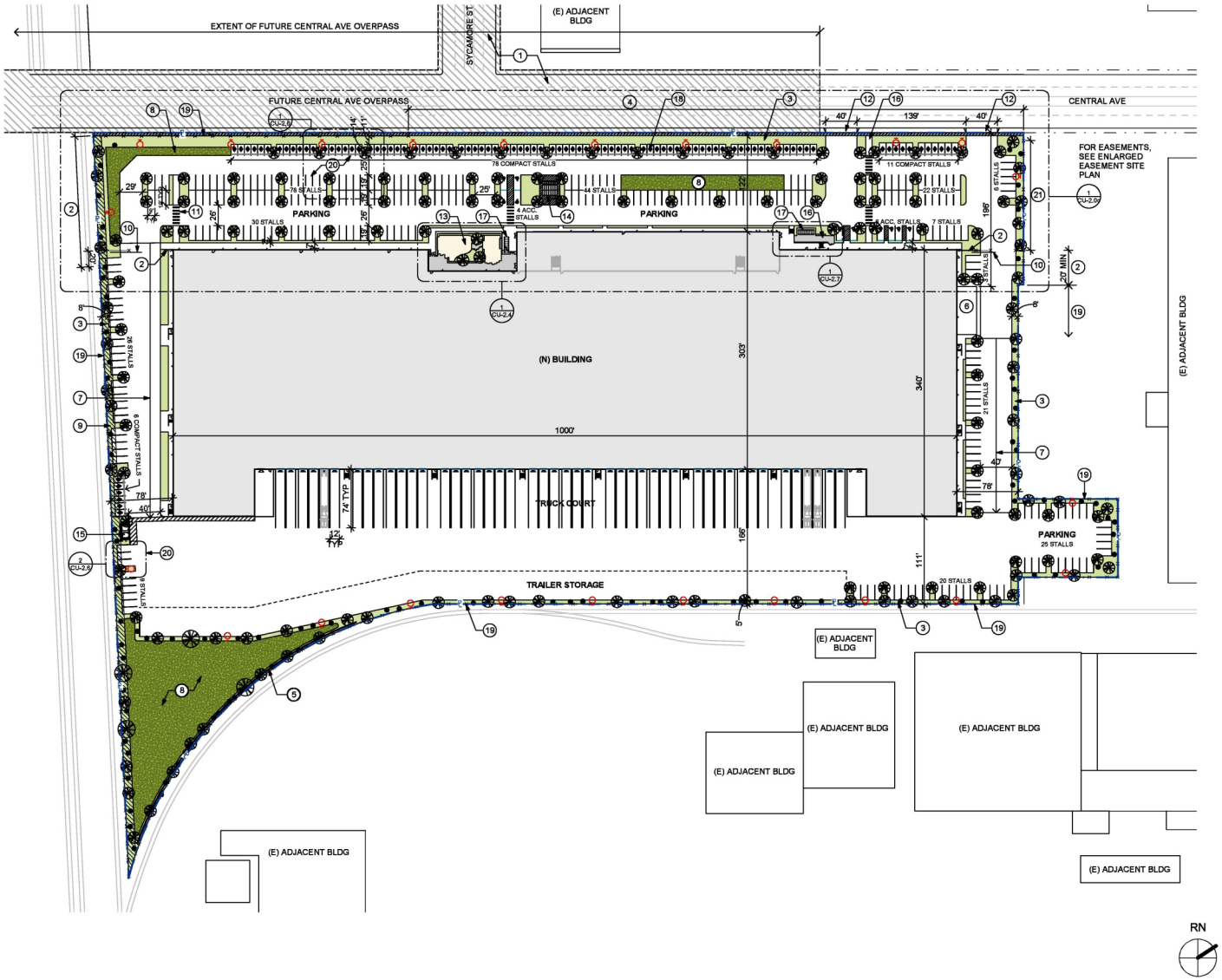


Source: Bing Aerial Imagery.

FIRSTCARBON SOLUTIONS™

1,000 500 0 1,000 Feet

Exhibit 2
Local Vicinity Map



PROJECT INFORMATION

BUILDING AND SITE AREA

SITE AREA	IN S.F.	756,061 SF
	IN ACRES	17.4 ACRES
BUILDING AREA	INDUSTRIAL	281,584 SF
	OFFICE	33,806 SF
	TOTAL	315,390 SF
COVERAGE		37.6 %

ON-SITE PARKING SPACES

REQUIRED	OFFICE (1/300 SF)	113
	INDUSTRIAL (1/1000 SF)	282
	TOTAL	395
PROVIDED	STANDARD (9 x 19')	291
	ACCESSIBLE (9' x 19')	10
	COMPACT (8'-6" x 14')	95
	TOTAL	396

BICYCLE PARKING

REQUIRED	LONG-TERM (1:30 VEHICLE SPACES)	14
	SHORT-TERM (5% OF REQ'D VEHICLE SPACES)	20
PROVIDED	BIKE LOCKERS (LONG-TERM)	14
	SHORT-TERM	20

LOADING SPACES

REQUIRED	LOADING SPACES (5 SPACES / FIRST 75,000 SF, THEN 1 SPACE / EACH ADDITIONAL 75,000 SF)	9
PROVIDED	DOCK DOORS	46
	DRIVE-IN DOORS	2

ZONING

ZONING DESIGNATION		GENERAL INDUSTRIAL
MAXIMUM BUILDING HEIGHT ALLOWED		200 FT
MAXIMUM FLOOR AREA RATIO		NONE
SETBACKS	FRONT	10 FT
	SIDE	15 FT
	REAR	20 FT

NOTES

GENERAL NOTES:

1. AN AUTOMATIC SPRINKLER SYSTEM WILL BE INSTALLED THROUGHOUT THE BUILDING PER NFPA-13 STANDARDS.

2. WATER EFFICIENT PLUMBING FIXTURES AND IRRIGATION SHALL BE IMPLEMENTED PER ACWD MEASURES.

SPECIFIC NOTES:

1. NEW OVERPASS AT CENTRAL AVENUE AND SYCAMORE STREET
2. 6' HIGH PREFINISHED VERTICAL TUBE STEEL FENCE. SEE CU-1.6 FOR IMAGE & ELEVATION
3. LANDSCAPING PROVIDED WITHIN FRONT SETBACK AND AT SIDE AND REAR PROPERTY LINES, SEE LANDSCAPE PLAN
4. NO FENCE AT PORTION OF FRONTAGE ADJACENT TO OVERPASS WALL OR AT GRADE PORTION OF CENTRAL AVE
5. RETAINING WALL W/ CHAIN LINK FENCE ABOVE
6. TRANSFORMER LOCATION. EQUIPMENT SHALL BE SCREENED FROM PUBLIC VIEW WITH TREES AND LANDSCAPING. TRANSFORMER TO BE PAINTED DARK GREEN TO BLEND IN WITH SURROUNDING LANDSCAPE AREA.
7. SLOPED GRADING AT SIDES OF BUILDING DOWN TO LOWERED TRUCK COURT
8. STORMWATER PLANTER AREA
9. HATCHED AREA INDICATES 10' WIDER SEWER AND WATER EASEMENT IN FAVOR OF SOUTHERN PACIFIC COMPANY
10. ROLLING TUBE STEEL GATE TO REMAIN OPEN DURING BUSINESS HOURS
11. CROSSWALK
12. CURB CUT PER CITY STANDARD PLANS, SEE CIVIL DRAWINGS FOR ADDITIONAL DETAILS
13. EMPLOYEE OPEN SPACE, SEE CU-2.4 & CU-2.5
14. LONG TERM BICYCLE LOCKERS. SEE DR-6.2 FOR DETAILS
15. TRASH ENCLOSURE
16. ACCESSIBLE ROUTE TO BUILDING ENTRANCE
17. SHORT TERM BICYCLE PARKING, SEE CU-6.2 FOR DETAILS
18. PER NMC SECTION 17.23.090(G)(2), COMPACT STALL TO UTILIZE 2' OVERHANG OVER LANDSCAPING. STALL TO BE LABELED "COMPACT," TYP
19. 6' HIGH CHAIN LINK FENCE AT PROPERTY LINE
20. SEE CU-2.6 FOR ENLARGED PARKING PLAN
21. 3' HIGH PREFINISHED VERTICAL TUBE STEEL FENCE AT PROPERTY LINE. SEE CU-1.6 FOR IMAGE & ELEVATION

LEGEND

- DOCK DOOR
- DRIVE IN DOOR
- SITE LIGHTING FIXTURE
- COMPACT PARKING STALL
- ACCESSIBLE PARKING STALL
- STANDARD PARKING STALL

Source: Jackson Liles Architecture; Prologis., 01/12/2024.

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Exhibit 3
Site Plan

The proposed project would provide 48 truck loading spaces along the building's eastern side, with 46 spaces having dock doors and two spaces having drive-in doors. Loading spaces would be graded approximately 3.5 feet below grade in relation to the rest of the project site.

Vehicular access to the project site would be provided via two 40-foot-wide entrances along Central Avenue, in the northern corner of the project site. Circulation within the project site would be provided via a loop around the building. Further circulation would be provided around the parking lot on the proposed building's Central Avenue frontage. The loop around the building would have a minimum width of 40 feet for circulation, while circulation through the parking area along Central Avenue would have a minimum width of 25 feet and a maximum width of 32 feet.

Pedestrian access to the project site would be provided via a pedestrian access point off Central Avenue placed between the two vehicle entry access points. A pedestrian path would be developed to link the entry access point, the parking lot area, and the proposed building. Crosswalks would be provided where vehicle circulation and pedestrian paths intersect, and paths would be Americans with Disabilities Act (ADA) compliant.

According to the City of Newark General Plan (General Plan) Land Use map, the project site has a land use designation General Industrial (GI), which is intended "to accommodate a broad range of manufacturing, warehousing, wholesaling, and distribution uses."[1] The project site is zoned GI, which is similarly intended for manufacturing, warehousing, wholesaling, and distribution uses. The proposed project's use and density would be consistent with both the General Plan GI land use designation and GI zoning.

The proposed project would be used for dry storage only and the analysis evaluated impacts related to dry storage operation that does not involve trucks with Transport Refrigeration Units (TRUs). Further, the proposed building would have an all-electric design (i.e., no natural gas plumbing). In addition, the project applicant has committed to using Tier 4 construction equipment. These project design features are included in the air quality modeling and described in detail below.

Project Design Features

The proposed project would include the following Project Design Features (PDFs):

PDF AIR-1 Prohibition of Cold Storage Use and Transport Refrigeration Units

The project operation would address any potential Transport Refrigeration Unit usage by requiring the following:

- Contractual language in all tenant lease agreements that will prohibit tenants from operating Transport Refrigeration Units (TRUs) within the project site.

[1] City of Newark. 2013. General Plan. December 12.

- Requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.
- The application of any future requests for cold storage and associated TRU usage to include an analysis which requires the modeling and a Health Risk Assessment of air toxic contaminants emitted from operation of these TRUs. The results of such analysis must demonstrate that the operation of TRUs would not result in a significant health impact as defined by BAAQMD thresholds.

PDF AIR-2 All-Electric Design

Prior to issuance of building permits, the project applicant shall provide documentation (e.g., site plan) to the City to demonstrate that the proposed industrial development does not include natural gas appliances or natural gas plumbing.

PDF AIR-3 Use of Tier 4 Construction Equipment

Prior to the issuance of any demolition, grading, or building permits (whichever occurs earliest), the project applicant and/or construction contractor shall prepare a construction operations plan that, during construction activities, requires all off-road equipment with engines greater than 50 horsepower to meet particulate matter emissions standards for Tier 4 Interim engines at the minimum. The construction contractor shall maintain records documenting its efforts to comply with this requirement, including equipment lists. Off-road equipment descriptions and information shall include, but are not limited to, equipment type, equipment manufacturer, equipment identification number, engine model year, engine certification (Tier rating), horsepower, and engine serial number. The project applicant and/or construction contractor shall submit the construction operations plan and records of compliance to the City.

SETTING AND REGULATORY FRAMEWORK

Air Quality Regulatory Framework

The proposed project is within the jurisdiction of the Bay Area Air Quality Management District (BAAQMD), which regulates air quality in the San Francisco Bay Area Air Basin (Air Basin). Within the Air Basin, ambient air quality standards for ozone, carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter with an aerodynamic diameter of 2.5 microns and smaller ($PM_{2.5}$) and 10 microns and smaller (PM_{10}), and lead (Pb) have been established by both the California Environmental

Protection Agency (Cal/EPA) and the United States Environmental Protection Agency (EPA).[2] California has also set standards for sulfate concentrations and atmospheric visibility.

The EPA and the California Air Resources Board (ARB) designate air basins, or specific areas within an air basin, as "nonattainment" where ambient air quality standards are exceeded. If standards are met, the area is designated as "attainment." If there is inadequate or inconclusive data to make a definitive attainment designation, they are considered "unclassified." National nonattainment areas are further designated as marginal, moderate, serious, severe, or extreme as a function of deviation from standards.

The Air Basin is classified as a nonattainment area for the State ozone and particulate matter standards and as nonattainment for federal ozone 8-hour and $PM_{2.5}$ 24-hour standards.[3] This indicates that the BAAQMD has not achieved compliance with these State and federal standards in the Air Basin.

In addition to regulating criteria pollutants for attainment of State and federal standards. The ARB and BAAQMD regulate and control emissions of toxic air contaminants (TACs) to further protect human health. TACs are a class of pollutants that includes hundreds of chemicals hazardous to human health. Long-term exposure to TACs may cause more severe health effects, such as neurological damage, hormone disruption, developmental defects, and cancer. TAC emissions are highly localized and are emitted from mobile sources such as cars, trucks, marine, and rail sources as well as stationery and area sources. The ARB and BAAQMD address emissions via mobile source strategies, stationary source permitting requirements, and health risk thresholds for new development under review in the California Environmental Quality Act (CEQA) process.

Particulate Matter (PM) is the most important health risk driver from Bay Area air quality,[4] both as fine $PM_{2.5}$ and as diesel particulate matter (DPM), a toxic air contaminant. Studies indicate that DPM poses the greatest health risk among airborne TACs. The ARB conducted a 10-year research program that demonstrated that DPM from diesel-fueled engines is a human carcinogen and that chronic (long-term) inhalation exposure to DPM poses a chronic long-term health risk. Although DPM is emitted by diesel-fueled internal combustion engines, the composition of the emissions varies depending on engine type, operating conditions, fuel composition, lubricating oil, and whether an emission control system is present. This has serious adverse health impacts because $PM_{2.5}$ can travel deep into lungs and enter the bloodstream. Fine PM originates from a variety of sources, including fossil fuel combustion, residential wood burning, cooking, wildfires, and dust.

Researchers established long ago that exposure to $PM_{2.5}$ has negative effects on the respiratory system, such as triggering asthma attacks, aggravating bronchitis, and diminishing lung function. More recent

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[2] The United States Environmental Protection Agency (EPA) has established National Ambient Air Quality Standards (NAAQS) for six of the most common air pollutants—carbon monoxide, lead, ground level ozone, particulate matter, nitrogen dioxide, and sulfur dioxide—known as "criteria" air pollutants (or simply "criteria pollutants.")

[3] United States Environmental Protection Agency (EPA). 2024. California Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants. April. Website: https://www3.epa.gov/airquality/greenbook/anayo_ca.html. Accessed May 16, 2024.

[4] Bay Area Air Quality Management District (BAAQMD). 2020. Particulate Matter: Spotlight on Health Protection. Advisory Council Particulate Matter Reduction Strategy Report. https://www.baaqmd.gov/~/media/files/board-of-directors/advisory-council/2020/ac_particulate_matter_reduction_strategy_report.pdf?la=en&rev=570867c8b25e4ca0b2f93f80c4c1ef02. Accessed May 10, 2024.

studies have found that $PM_{2.5}$ can also harm the cardiovascular system and studies have found a clear correlation between $PM_{2.5}$ levels, exposure, and mortality. Studies also indicate that exposure to $PM_{2.5}$ may be related to other negative health effects, including impacts on the brain, such as reduced cognitive function, as well as increased risk of diabetes. Exposure to $PM_{2.5}$ remains the leading public health risk and contributor to premature death from air pollution in the Bay Area.

Thresholds of Significance

The significance criteria established or recommended by the BAAQMD were used to make CEQA significance determinations related to the proposed project's impacts on air quality. The BAAQMD has adopted standards of significance for construction and operation. Table 1 shows the thresholds of significance. In developing the thresholds of significance for air pollutants, the BAAQMD considered the emission levels for which a project's individual emissions would be cumulatively considerable. If a project exceeds the identified significance thresholds, its emissions would be cumulatively considerable, resulting in significant adverse air quality impacts on the region's existing air quality conditions.

Table 1: BAAQMD Thresholds of Significance

Pollutant	Construction Thresholds Average Daily Emissions (pounds/day)	Operational Thresholds	
		Average Daily Emissions (pounds/day)	Maximum Annual Emissions (tons per year)
Criteria Air Pollutants			
ROG	54	54	10
NO_X	54	54	10
PM_{10}	82 (exhaust)	82	15
$PM_{2.5}$	54 (exhaust)	54	10
CO	Not applicable	9.0 ppm (8-hour average) or 20.0 ppm (1-hour average)	
Fugitive Dust	Construction Dust Ordinance, BAAQMD Best Management Practices	Not applicable	
Health Risks and Hazards for New Sources			
Excess Cancer Risk	10 per one million	10 per one million	
Chronic or 1-hour Acute Hazard Index	1.0	1.0	
Incremental annual average $PM_{2.5}$	0.3 µg/m^3	0.3 µg/m^3	
Health Risks and Hazards for Sensitive Receptors (Cumulative from All Sources within 1,000-Foot Zone of Influence) and Cumulative Thresholds for New Sources			
Excess Cancer Risk	100 per 1 million		
Chronic Hazard Index	10.0		

Pollutant	Construction Thresholds Average Daily Emissions (pounds/day)	Operational Thresholds	
		Average Daily Emissions (pounds/day)	Maximum Annual Emissions (tons per year)
Annual Average $PM_{2.5}$	0.8 µg/m^3		

Notes:
µg/m^3 = micrograms per cubic meter
CO = carbon monoxide
NO_X = nitrogen oxides
PM_{10} = course particulate matter or particulates with an aerodynamic diameter of 10 µm or less
$PM_{2.5}$ = fine particulate matter or particulates with an aerodynamic diameter of 2.5 µm or less
ROG = reactive organic gases
Source: Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed May 10, 2024.

City of Newark General Plan

The General Plan was adopted December 12, 2013, and includes goals, policies, and actions that guide future growth and conservation in the City. The following policies and actions are specific to air quality and apply to the proposed project.

Health and Wellness Element

Policy HW-1.3 **Reducing Exposure to Air Pollution in New Development.** Use site planning and architectural design to reduce potential exposure of sensitive uses to major air pollution sources, including freeways, and industrial activities.

Policy HW-1.4 **Evaluation of Air Quality Impacts.** Evaluate air quality impacts during the local development review process. Development should be located and regulated to minimize significant air quality related health risks.

Policy HW-1.5 **Cleaner Fuels.** Encourage the use of cleaner burning fuels and low emission vehicles.

Policy HW-1.6 **Reducing Emissions from Single Passenger Vehicles.** Support programs by local employers that encourage employees to carpool, use public transportation, bicycle, walk, telecommute, or pursue other alternatives to driving alone to work.

Policy HW-1.7 **Odors.** Reduce the emission of undesirable odors from manufacturing and commercial activities.

Action HW-1.B **Air Quality Studies for New Development.** Use the environmental review process to require mitigation of potential air quality impacts generated by new development. Site-specific air quality studies should be required for future development that includes sensitive receptors (such as schools, hospitals, daycare centers, or retirement homes) located within designated air quality buffer areas along Interstate 880 and State Route 84.

Action HW-1.C **Furnace Replacement and Clean Appliances.** Support programs that help property owners replace residential, commercial, and industrial furnaces and gasoline powered appliances with cleaner fuel, low emission furnaces, and clean energy appliances.

Action HW-1.F **Health Risk Assessments.** Require submittal of a Health Risk Assessment (HRA) for applicants proposing major development or redevelopment within 1,000 feet of the I-880 or SR-84 freeways. For projects where the incremental cancer risk exceeds 10 in one million, PM2.5 concentrations exceed 0.3 $\mu g/m^3$, or the appropriate non-cancer hazard index exceeds 1.0, the HRA shall identify mitigation measures capable of reducing potential risks to acceptable levels.

HRAs shall be done in accordance with the latest State Office of Environmental Health Hazard Assessment and Bay Area Air Quality Management District guidelines and shall mitigate impacts to levels deemed acceptable by these agencies. The City shall modify its standard Conditions of Approval to implement this action.

Action HW-1.G **Construction-Related Pollutants.** Require that construction contractors implement basic control measures consistent with BAAQMD recommendations to limit emissions of construction-related criteria pollutants, including fugitive dust.

Action HW-1.H **Nuisance Odors.** Evaluate the potential for proposed projects to emit nuisance odors beyond the property line and require that property owners submit odor management plans consistent with BAAQMD regulations.

Action HW-1.I **Standard Conditions of Approval.** Update the City's Standard Conditions of Approval to require measures which reduce particulate emissions (PM_{10}) from construction and reduce construction-related emissions if project-level environmental review determines that BAAQMD thresholds for criteria pollutants may be exceeded. Mitigation measures for construction impacts could include using construction equipment rated by the EPA as complying with current emission limits, ensuring construction equipment is serviced and maintained to the manufacturer's standards, and limiting nonessential construction equipment idling to no more than five minutes.

Greenhouse Gas Regulatory Framework

Assembly Bill 32, Senate Bill 32, and State Climate Change Scoping Plan

In 2006, California passed Assembly Bill (AB) 32, the Global Warming Solutions Act. AB 32 put into law mid-term GHG reduction targets and identified ARB as the State agency responsible for the development and implementation of GHG emission reduction regulations, policies, and measures needed to meet the target.

In 2008, the ARB adopted the Climate Change Scoping Plan (Scoping Plan) which contains the main strategies that California will implement to achieve the required GHG reductions codified in AB 32. ARB

is required to update the Scoping Plan at least once every five years to evaluate progress and develop future GHG inventories that may guide this process.

The Governor signed Senate Bill (SB) 32 in September 2016, giving the ARB the statutory responsibility to include the 2030 target previously contained in Executive Order B-30-15 in the 2017 Scoping Plan Update. SB 32 states that "In adopting rules and regulations to achieve the maximum technologically feasible and cost-effective greenhouse gas emissions reductions authorized by this division, the State [air resources] board shall ensure that Statewide greenhouse gas emissions are reduced to at least 40 percent below the Statewide greenhouse gas emissions limit no later than December 31, 2030." The current Scoping Plan was adopted in 2022[5] and establishes a scenario by which the State may achieve carbon neutrality by 2045 or earlier, and it outlines a technologically feasible, cost-effective, and equity-focused path for achieving this climate target. The 2022 Scoping Plan addresses the latest climate-related legislation and direction from current Governor Gavin Newsom, who, by his signing of AB 1279, required the State to reduce Statewide anthropogenic GHG emissions to at least 85 percent below 1990 levels by 2045 and to maintain net negative GHG emissions thereafter. The 2022 Scoping Plan relies on the aggressive reduction of fossil fuels in all Statewide sectors and accelerating existing carbon reduction programs. Aspects of the 2022 Scoping Plan's scenario include:

- Rapidly moving to zero-emission transportation by electrifying cars, buses, trains, and trucks.
- Phasing out the use of fossil gas used for heating homes and buildings.
- Clamping down on chemicals, refrigerants, and other high global warming potential (GWP) gases.
- Providing communities with sustainable options for walking, biking, and public transit to reduce reliance on cars.
- Continuing to develop solar arrays, wind turbine capacity, and other resources that provide clean, renewable energy.
- Scale up options such as renewable hydrogen and biomethane for end uses that are hard to electrify.

The ARB estimates that successfully achieving the outcomes called for by the 2022 Scoping Plan will reduce demand for liquid petroleum by 94 percent and total fossil fuel by 86 percent in 2045, relative to 2022. The 2022 Scoping Plan also emphasizes the role of natural and working lands and carbon capturing technologies to address residual emissions and achieve net negative emissions.

Assembly Bill 1279

AB 1279 codified Executive Order B-55-18, which established a Statewide goal of achieving carbon neutrality as soon as possible but no later than 2045 and achieving and maintaining net negative

[5] California Air Resources Board (ARB). 2022 Scoping Plan. Website: https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan/2022-scoping-plan-documents. Accessed May 19, 2024.

emissions thereafter. It requires that 2045 Statewide anthropogenic GHG emissions are reduced to at least 85 percent below 1990 levels.

Plan Bay Area 2050

Plan Bay Area 2050 is a State-mandated, integrated, long-range transportation and land use plan for the San Francisco Bay Area. As required by SB 375, all metropolitan regions in California must complete an Sustainable Communities Strategy (SCS) as part of a Regional Transportation Plan (RTP). This strategy integrates transportation, land use, and housing to meet GHG reduction targets set by the ARB. Plan Bay Area 2050 meets those requirements. In addition, the plan sets a roadmap for future transportation investments and identifies what it would take to accommodate expected growth. The plan neither funds specific transportation projects nor changes local land use policies.

In the San Francisco Bay Area, the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG) adopted Plan Bay Area 2050 in October 2021. To meet the GHG reduction targets, the plan identifies four growth geographies where future growth in housing and jobs should be focused: Priority Development Areas (PDAs), Priority Production Areas (PPAs), Transit-Rich Areas (TRAs), and High-Resource Areas. The agencies estimate more than 80 percent of housing growth would occur within TRAs and nearly 30 percent would be within High Resource Areas, and more than 60 percent of job growth would be within walking distance of high-quality transit between 2015 and 2050.

BAAQMD GHG Guidelines

The BAAQMD's 2022 CEQA Air Quality Guidelines provides recommended significance thresholds for GHGs for land use development projects and plans. The new thresholds state that, if a project would contribute its "fair share" of what will be required to achieve California's long-term climate goal of carbon neutrality by 2045, then a reviewing agency can find that the impact will not be significant because the project will help to solve the problem of global climate change. The thresholds for new land use projects require projects to meet either of one of two enumerated Criteria "A" or "B" detailed in Table 2. If a land use development project cannot demonstrate consistency with Criterion A or Criterion B, then that project would result in a potentially significant impact related to the generation of direct and indirect GHG emissions.

Table 2: BAAQMD Thresholds of Significance for Greenhouse Gases

Thresholds for Land Use Projects (Must Include A or B)
A. Projects must include, at a minimum, the following project design elements: 1. Buildings a. The project will not include natural gas appliances or natural gas plumbing (in both residential and nonresidential development). b. The project will not result in any wasteful, inefficient, or unnecessary energy usage as determined by the analysis required under CEQA Section 21100(b)(3) and Section 15126.2(b) of the State CEQA Guidelines. 2. Transportation a. Achieve a reduction in project-generated Vehicle Miles Traveled (VMT) below the regional average consistent with the current version of the California Climate Change Scoping Plan (currently 15 percent) or meet a locally adopted Senate Bill 743 VMT target, reflecting the recommendations provided in the Governor's Office of Planning and Research's Technical Advisory on Evaluating Transportation Impacts in CEQA: i. Residential projects: 15 percent below the existing VMT per capita ii. Office projects: 15 percent below the existing VMT per employee iii. Retail projects: no net increase in existing VMT b. Achieve compliance with off-street electric vehicle requirements in the most recently adopted version of CALGreen Tier 2. **B. Projects must be consistent with a local GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b).**
Source: Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Guidelines. April 20.

Project consistency with Criteria A is based on incorporating project design criteria based on key attributes consistent with the 2022 Scoping Plan and states long-term carbon neutrality goals. Projects incorporating these elements would be contributing their "fair share" of what will be required to achieve California's long-term climate goal of carbon neutrality by 2045. These include criteria for building energy design (elimination of natural gas) as well as criteria related to reduction in transportation emissions via VMT reductions and installation of electrical vehicle (EV) charging infrastructure.

Project consistency with Criterion B involves demonstrating compliance with a local "qualified" GHG plan. CEQA Guidelines Section 15183.5(b) allows projects and plans to be analyzed through a streamlined or tiered approach utilizing an adopted Greenhouse Gas Reduction Plan. A "qualified" reduction strategy capable of being utilized for a streamlined or tiered analysis under CEQA must meet the following requirements:

- Quantify GHG emissions, both existing and projected over a specified time period, resulting from activities within a defined geographic area;
- Establish a level, based on substantial evidence, below which the contribution to GHG emissions from activities covered by the plan would not be cumulatively considerable;

- Identify and analyze the GHG emissions resulting from specific actions or categories of actions anticipated within the geographic area;
- Specify measures or a group of measures, including performance standards, that substantial evidence demonstrates, if implemented on a project-by-project basis, would collectively achieve the specified emissions level;
- Establish a mechanism to monitor the plan's progress toward achieving the level and to require amendments if the plan is not achieving specified levels; and
- Be adopted in a public process following environmental review.

The City does not have a GHG reduction plan or Climate Action Plan that meets all of the aforementioned criteria.[6]

City of Newark General Plan

The City of Newark General Plan was adopted on December 12, 2013, and consists of a comprehensive statement of goals, policies, and actions to guide future growth and conservation in the City. In addition to the relevant policies discussed under the Air Quality section, the following policy is specific to reducing GHG emissions and relevant to the proposed project.

Health and Wellness Element

Policy CS-5.1 **Linking Land Use and Transportation.** Encourage land use and transportation patterns that reduce dependence on automobiles. This includes siting well-designed higher-density, mixed use development near the proposed Dumbarton Rail station and in other areas with frequent transit service.

Policy CS-5.2 **Pedestrian and Bicycle Friendly Design.** Ensure that new development is planned and designed to facilitate walking and bicycling as well as driving. This can potentially reduce the number of vehicle trips and related greenhouse gas emissions.

Policy CS-5.3 **Alternative Fuel Vehicles.** Encourage the use of alternative fuel and electric vehicles and development of the necessary infrastructure for such vehicles to be viable in Newark.

Policy CS-5.4 **Reducing Nonresidential Transportation Emissions.** Encourage the participation of the business sector in efforts to reduce greenhouse gases. This could include commuter benefit and transit pass programs that encourage employees to use transit rather than driving to work. This also includes efforts by local employers to encourage ride sharing, carpooling, BART shuttles, telecommuting, and other programs that provide alternatives to driving alone.

[6] The City of Newark adopted its Climate Action Plan Initial Framework January 28, 2010. It does not include targets for the year 2030 in accordance with SB 32.

Action CS-5.G **Electric Vehicle Infrastructure.** Support the development of additional electric vehicle charging stations and other infrastructure which make electric vehicles more viable in Newark.

Policy CS- 6.2 **Encouraging Greener Construction.** Encourage greener construction methods and greater use of recycled-content materials in new residential, commercial, and industrial construction projects.

Policy CS- 6.5 **Minimizing Impervious Surface Coverage.** Minimize impervious surface coverage and related stormwater runoff in new development areas by allowing narrower roads and shared driveways, and by encouraging the use of pervious materials on driveways and parking areas. Other means of reducing urban runoff, such as rain barrels and bioswales, also should be encouraged.

Policy CS- 6.6 **Cool Pavements.** Encourage the use of cool (light colored) pavements to mitigate the heat island effect of development.

City of Newark Municipal Code

The City's Municipal Code includes the following relevant regulations that would reduce GHG emissions from future development:

- Landscaping, General requirements (Chapter 17.21.050)
- California Energy Code (Chapter 15.22)
- California Green Building Standards Code (Chapter 15.23)
- Green Building and Construction and Demolition Debris Recycling (Chapter 15.44)

Energy Regulatory Framework

EPA Off-Road Diesel Engine Emissions Standards

The EPA regulates nonroad diesel engines that power mobile equipment (bulldozers, scrapers, front-end loaders, etc.) and stationary equipment (generators, pumps, compressors, etc.). The EPA has no formal fuel economy standards for nonroad (e.g., construction) diesel engines but does regulate diesel emissions, which indirectly affects fuel economy. In 1994, the EPA adopted the first set of emission standards ("Tier 1") for all new nonroad diesel engines greater than 37 kilowatts (kW [50 horsepower]). The Tier 1 standards were phased in for different engine sizes between 1996 and 2000, reducing nitrogen oxides (NO_X) emissions from these engines by 30 percent. Subsequently, the EPA adopted more stringent emission standards for NO_X, hydrocarbons, and PM from new nonroad diesel engines. This program included the first set of standards for nonroad diesel engines less than 37 kW. It also phased in more stringent "Tier 2" emission standards from 2001 to 2006 for all engine sizes and added yet more stringent "Tier 3" standards for engines between 37 and 560 kW (50 and 750 horsepower, respectively) from 2006 to 2008. These standards further reduced nonroad diesel engine emissions by 60 percent for NO_X and 40 percent for PM from Tier 1 emission levels. In 2004, the EPA issued the Clean Air Nonroad

Diesel Rule and finalized Tier 4 emission standards. This rule cut emissions from nonroad diesel engines by more than 90 percent and was phased in between 2008 and 2014. These emission standards are intended to promote advanced clean technologies for nonroad diesel engines that improve fuel combustion, but they also result in slight decreases in fuel economy.

California Renewable Energy Standards

Established in 2002 under SB 1078, and accelerated by SB 107 (2006), SB X 1-2 (2011), and SB 100 (2018), California's Renewable Portfolio Standard (RPS) obligates investor-owned utilities, energy service providers, and community choice aggregators to procure 33 percent total retail sales of electricity from renewable energy sources by 2020; 60 percent by 2030; and 100 percent by 2045. SB 100 also states "that it is the policy of the State that eligible renewable energy resources and zero-carbon resources supply 100 percent of retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all State agencies by December 31, 2045." The California Public Utilities Commission and the CEC are jointly responsible for implementing the program.

California Building Standards Code

The Building Energy Efficiency Standards were first adopted in 1976 and have been updated periodically since then as directed by statute. The Standards contain energy and water efficiency requirements (and indoor air quality requirements) for newly constructed buildings, additions to existing buildings, and alterations to existing buildings. The Standards are conceptually divided into three basic sets. The first set is a basic set of mandatory requirements that apply to all buildings. The second set is a set of performance standards—the energy budgets—that vary by climate zone (of which there are 16 in California) and building type; thus, the Standards are tailored to local conditions and provide flexibility in how energy efficiency in buildings can be achieved. Finally, the third set constitutes an alternative to the performance standards, which is a set of prescriptive packages that provide a recipe or a checklist compliance approach.

City of Newark General Plan

The City of Newark General Plan was adopted on December 12, 2013, and consists of a comprehensive statement of goals, policies, and actions to guide future growth and conservation in the City. The following policies are specific to energy and are relevant to the proposed project.

Health and Wellness Element

Policy CS-7.1 **Reducing Energy Use.** Support measures to reduce energy consumption and increase energy efficiency in residential, commercial, industrial, and public buildings.

Policy CS-7.2 **Renewable Energy Sources.** Support the expanded use of renewable energy sources such as wind and solar by Newark residents and businesses, the City of Newark, and other government agencies.

Policy CS-7.3 **Designing for Energy Efficiency.** Support building design, site planning, and subdivision design methods that reduce heating and cooling costs and achieve greater energy efficiency.

Action CS-7.C **Title 24.** Enforce Title 24 and other energy efficiency and conservation standards when reviewing development and building permit applications.

AIR QUALITY EMISSIONS IMPACT ANALYSIS

According to CEQA Guidelines Appendix G, to determine whether impacts related to air quality are significant environmental effects, the following questions are analyzed and evaluated.

Would the project result in:

Impact AIR-1: Would the project conflict with or obstruct implementation of the applicable air quality plan?

Less than significant. The project site is located in the San Francisco Bay Area Air Basin (Air Basin), where the BAAQMD regulates air quality. The EPA is responsible for identifying nonattainment and attainment areas for each criteria pollutant within the Air Basin. The Air Basin is designated nonattainment for State standards for 1-hour and 8-hour ozone, 24-hour respirable PM_{10}, annual PM_{10}, and annual $PM_{2.5}$.[7]

The BAAQMD has adopted several air quality policies and plans to address regional air quality standards, the most recent of which is the 2017 Clean Air Plan. The 2017 Clean Air Plan was adopted in April of 2017 and serves as the regional Air Quality Plan (AQP) for the Air Basin for attaining NAAQS. The primary goals of the 2017 Clean Air Plan are to protect public health and protect the climate. The 2017 Clean Air Plan acknowledges that the BAAQMD's two stated goals of protection are closely related. As such, the 2017 Clean Air Plan identifies a wide range of control measures intended to decrease both criteria pollutants[8] and GHG.[9] The 2017 Clean Air Plan also accounts for projections of population growth provided by ABAG and VMT provided by the MTC and identifies strategies to bring regional emissions into compliance with federal and State air quality standards. A project would be judged to conflict with or obstruct implementation of the 2017 Clean Air Plan if it would result in substantial new regional emissions not foreseen in the air quality planning process.

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[7] Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed May 10, 2024.

[8] The United States Environmental Protections Agency (EPA) has established National Ambient Air Quality Standards (NAAQS) for six of the most common air pollutants—carbon monoxide, lead, ground level ozone, particulate matter, nitrogen dioxide, and sulfur dioxide—known as "criteria" air pollutants (or simply "criteria pollutants").

[9] A greenhouse gas (GHG) is any gaseous compound in the atmosphere that is capable of absorbing infrared radiation, thereby trapping and holding heat in the atmosphere. By increasing the heat in the atmosphere, GHGs are responsible for the greenhouse effect, which ultimately leads to global warming.

The BAAQMD does not provide a numerical threshold of significance for project-level consistency analysis with AQPs. Therefore, the following criteria will be used for determining a project's consistency with the AQP.

- **Criterion 1:** Does the project support the primary goals of the AQP?
- **Criterion 2:** Does the project include applicable control measures from the AQP?
- **Criterion 3:** Does the project disrupt or hinder the implementation of any AQP control measures?

Criterion 1

The primary goals of the 2017 Clean Air Plan, the current AQP to date, are to:

- Attain air quality standards;
- Reduce population exposure to unhealthy air and protect public health in the Bay Area; and
- Reduce GHG emissions and protect the climate.

A measure for determining whether the proposed project supports the primary goals of the AQP is if the project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the air quality plans. This measure is determined by comparing project emissions to the significance thresholds identified by the BAAQMD for construction- and operation-related pollutants. These significance thresholds are applied in the evaluation of Impact AIR-2, below. As discussed under Impact AIR-2 and Impact AIR-3, the proposed project would not significantly contribute to cumulative nonattainment pollutant violations or expose sensitive receptors to substantial pollutant concentrations. Fugitive dust control measures would be required to be implemented during the construction of the proposed project in order to reduce localized dust impacts. Impacts related to fugitive dust from the proposed project's construction would be potentially significant without the inclusion of sufficient dust control measures. The City's General Plan Action HW-1.G requires that construction contractors implement basic control measures consistent with BAAQMD recommendations to limit emissions of construction-related criteria pollutants, including fugitive dust. Accordingly, Condition of Approval (COA) AIR-1 requires the inclusion of Best Management Practices (BMPs) recommended by the BAAQMD to reduce potential impacts related to fugitive dust emissions from use of construction equipment. Therefore, the proposed project would be consistent with Criterion 1.

Criterion 2

Another measure for determining whether a project is consistent with the AQP is to determine whether the project is inconsistent with the growth assumptions incorporated into the AQP and, thus, whether it would interfere with the region's ability to comply with federal and California air quality standards. The development of the AQP is based in part on the land use General Plan determinations of the various cities and counties that constitute the Air Basin. According to the General Plan, the project site is designated as GI. The site is also zoned GI, which is intended for manufacturing, warehousing, wholesaling, and distribution uses. The proposed project's use and density would be consistent with both the General Plan GI land use designation and GI zoning. As such, the proposed project falls within

the land uses contemplated for development by the City. Considering this information, the proposed project would not directly or indirectly result in substantial unplanned population growth. Therefore, the overall development of the project site would generally be consistent with the growth assumptions incorporated into the Clean Air Plan.

The AQPs also assume that all mandatory regulations to reduce air pollution would be adhered to. Therefore, to conform to the assumptions in the AQP, a project must be consistent with all applicable measures contained in the applicable AQP. The Clean Air Plan contains 85 control measures to reduce air pollutants and GHGs at the local, regional, and global levels. Along with the traditional stationary, area, mobile source, and transportation control measures, the Clean Air Plan contains several control measures designed to protect the climate, promote mixed use, and compact development to reduce vehicle emissions and exposure to pollutants from stationary and mobile sources. The Clean Air Plan also includes an account of the implementation status of control measures identified in the 2010 Clean Air Plan.

Table 3 lists the relevant Clean Air Plan policies to the proposed project and evaluates the proposed project's consistency with the policies. As shown below, the proposed project would be consistent with applicable measures.

Table 3: Project Consistency with Applicable Clean Air Plan Control Measures

Control Measure	Project Consistency
Buildings Control Measures	
BL1: Green Buildings	**Consistent**. The proposed project would not conflict with the implementation of this measure. The proposed project would comply with the latest energy efficiency standards and incorporate applicable energy efficiency features designed to reduce project energy consumption.
BL4: Urban Heat Island Mitigation	**Consistent.** The proposed project would incorporate landscaping throughout the site. The proposed project would provide landscaping, including trees, that would reduce the urban heat island effect.
Energy Control Measures	
EN1: Decarbonize Electricity Generation	**Consistent.** The proposed project would not conflict with the implementation of this measure. The proposed project would be designed to be all electric and without natural gas plumbing. Furthermore, the proposed project would comply with the latest energy efficiency standards and incorporate applicable energy efficiency features designed to reduce project energy consumption.
EN2: Decrease Electricity Demand	**Consistent.** The proposed project would be required to conform to the energy efficiency requirements of the California Building Standards Code (CBC), also known as Title 24, which was adopted to meet an Executive Order in the Green Building Initiative to improve the energy efficiency of buildings through aggressive standards. The 2022 Title 24 Standards are the current State building regulations, which went into effect on January 1, 2023. Proposed buildings that would receive building permits after January

Control Measure	Project Consistency
	1, 2023, would be subject to the 2022 Title 24 Standards, including the proposed project.
Natural and Working Lands Control Measures	
NW2: Urban Tree Planting	**Consistent.** The proposed project would incorporate new landscaping and trees throughout the site.
WA3: Green Waste Diversion	**Consistent.** The waste service provider for the proposed project will be required to meet AB 341, SB 939, and SB 1374 requirements that require waste service providers to divert green waste. All plant refuse generated during operations of the proposed project would be recycled off-site.
WA4: Recycling and Waste Reduction	**Consistent.** The waste service provider for the proposed project will be required to meet the AB 341, SB 939, and SB 1374 requirements that require waste to be recycled.
Stationary Control Measures	
SS18: Basin-Wide Combustion Strategy	**Consistent.** Stationary sources are regulated directly by the BAAQMD, which routinely adopts/revises rules or regulations to implement the stationary source control measures to reduce stationary source emissions. Therefore, any new stationary sources associated with the proposed project would be required to comply with BAAQMD's regulations. Based on the proposed warehousing use for the project site, it is not anticipated that the proposed project would result in any new major stationary source emissions. Additionally, in the event stationary equipment is installed on-site, it is anticipated that the equipment would be small-quantity emitters and would require review by BAAQMD for permitted sources of air which would ensure consistency with the 2017 Clean Air Plan.
SS36: Particulate Matter from Trackout	**Consistent.** Mud and dirt that may be tracked out onto the nearby public roads during construction activities shall be removed promptly by the contractor based on the BAAQMD's requirements. COA AIR-1 requires the proposed project to implement BMPs recommended by the BAAQMD for fugitive dust emissions during construction.
SS37: Particulate Matter from Asphalt Operations	**Consistent.** Asphalt used during project construction would be subject to BAAQMD Regulation 8, Rule 15-Emulsified and Liquid Asphalts. Although this rule does not directly apply to the proposed project, it does limit the reactive organic gases (ROG) content of asphalt available for use during construction by regulating the sale and use of asphalt. Using asphalt from facilities that meet BAAQMD regulations, the proposed project would be consistent with this Clean Air Plan measure.
Transportation Control Measures	
TR2: Trip Reduction Programs	**Consistent.** Transportation control measures are strategies to reduce vehicle trips, vehicle use, VMT, vehicle idling, and traffic congestion to reduce motor vehicle emissions. Although most of the transportation control measures are implemented at the regional level—that is, by MTC or California Department of Transportation (Caltrans)—the 2017 Clean Air

Control Measure	Project Consistency
	Plan relies on local communities to assist with the implementation of some measures. The proposed project would also be subject to the Bay Area's Commuter Benefits Program, which requires all employers in BAAQMD's jurisdiction that have 50 or more full-time employees to offer commuter benefits to their employees. Therefore, the proposed project is consistent with this measure.
TR9: Bicycle and Pedestrian Access and Facilities	**Consistent.** Pedestrian access would be provided via a pedestrian access point off Central Avenue between the two proposed vehicle entry access points. A pedestrian path would be developed to link the entry access point, the parking lot area, and the proposed building. Crosswalks would be provided where vehicle circulation and pedestrian paths intersect, and paths would be ADA compliant. The nearest bus stop to the project site is located adjacent to the project site, at the intersection of Central Avenue and Sycamore Street. Therefore, the proposed project would not conflict with and be consistent with the BAAQMD's effort to encourage planning for bicycle and pedestrian facilities.
TR19: Medium and Heavy-Duty Trucks	**Consistent.** The truck fleet used for the proposed project is required to comply with the State's rigorous on-road heavy-duty vehicle programs aimed to transition truck fleets from diesel to Zero-Emission Vehicle (ZEV). Relevant regulations include the "omnibus" regulation, Advanced Clean Truck and Advance Clean Fleets regulations, and TRU Arborne Toxics Control Measure (ACTM).
Source: Bay Area Air Quality Management District (BAAQMD). 2017. Final 2017 Clean Air Plan. April 19.	

In summary, the proposed project would not conflict with any applicable measures under the 2017 Clean Air Plan after implementing COA AIR-1; therefore, the proposed project would be consistent with Criterion 2.

Criterion 3

The proposed project would not preclude extension of a transit line or bike path, propose excessive parking beyond parking requirements, or otherwise create an impediment or disruption to implementation of any AQP control measures. As shown in Table 3 above, the proposed project would incorporate several AQP control measures as project design features, such as utilizing asphalt compliant with BAAQMD regulations, conforming with energy efficiency standards contained in the 2022 CBC, and installing landscaping across the project site. Considering this information, the proposed project would not disrupt or hinder the implementation of any AQP control measures. The proposed project is therefore consistent with Criterion 3.

Summary

As discussed above, the proposed project would be consistent with all three criteria after incorporating COA AIR-1. Thus, the proposed project would not conflict with the 2017 Clean Air Plan. Therefore, impacts associated with conflicting with or obstructing the 2017 Clean Air Plan would be less than significant.

Impact AIR-2: Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?

Less than significant. This impact is related to the cumulative effect of a project's criteria pollutant emissions. By its nature, air pollution is largely a cumulative impact resulting from emissions generated over a large geographic region. The nonattainment status of regional pollutants results from past and present development within the Air Basin, and this regional impact is a cumulative impact. Therefore, new development projects (such as the proposed project) within the Air Basin would contribute to this impact only on a cumulative basis. No single project would be sufficient in size, by itself, to result in nonattainment of regional air quality standards. Instead, a project's emissions may be individually limited but cumulatively considerable when evaluated in combination with past, present, and future development projects.

Potential regional impacts could result in exceedances of State or federal standards for NO_X, particulate matter (PM_{10} and $PM_{2.5}$), or CO. NO_X emissions are of concern because of potential health impacts from exposure to NO_X emissions during both construction and operation and as a precursor in the formation of airborne ozone. PM_{10} and $PM_{2.5}$ are of concern during construction because of the potential to emit exhaust emissions from the operation of off-road construction equipment and fugitive dust during earth-disturbing activities. CO emissions are of concern during project operation because operational CO hotspots are related to increases in on-road vehicle congestion and resulting health effects.

ROG emissions are also important because of their participation in the formation of ground level ozone. Ozone is a respiratory irritant and an oxidant that increases susceptibility to respiratory infections and that can cause substantial damage to vegetation and other materials. Elevated ozone concentrations result in reduced lung function, particularly during vigorous physical activity. This health problem is particularly acute in sensitive receptors such as the sick, elderly, and young children.

The cumulative analysis focuses on whether a specific project would result in cumulatively considerable emissions. According to Section 15064(h)(4) of the CEQA Guidelines, the existence of significant cumulative impacts caused by other projects alone does not constitute substantial evidence that the project's incremental effects would be cumulatively considerable. Rather, the determination of cumulative air quality impacts for construction and operational emissions is based on whether the proposed project would result in emissions that exceed the BAAQMD thresholds of significance for construction and operations on a project level. The thresholds of significance represent the allowable emissions each project can generate without generating a cumulatively considerable contribution to regional air quality impacts. Therefore, a project that would not exceed the BAAQMD thresholds of

significance on the project level also would not be considered to result in a cumulatively considerable contribution to these regional air quality impacts. Construction and operational emissions are discussed separately below.

Construction Emissions

During construction, fugitive dust would principally be generated from demolition, site grading, and other earthmoving activities. The majority of fugitive dust would remain localized and would be deposited near the project site; however, the potential for impacts from fugitive dust exists unless control measures are implemented to reduce the emissions from this source. Exhaust emissions would also be generated from the operation of the off-road construction equipment and on-road construction vehicles.

Construction Fugitive Dust

PM_{10}/$PM_{2.5}$ (fugitive dust) is recognized to impact local communities. Construction-related activities, such as soil disturbance, grading, and material hauling, can also result in fugitive dust emissions (e.g., $PM_{2.5}$ and PM_{10}). The BAAQMD does not have a numerical threshold for fugitive dust PM emissions. Instead, the BAAQMD bases the determination of significance for fugitive dust on implementing effective control measures. In order for a project to have a less than significant criteria air pollutant impact related to construction-related fugitive dust emissions, it must implement all BAAQMD basic BMPs. Air pollution control measures shall be implemented during construction activities as outlined in COA AIR-1. In addition, the proposed project would comply with all applicable district rules, including Regulation 6, Rule 1 (General Requirements) and Regulation 6, Rule 6 (Prohibition of Trackout), which require dust generating operations to limit PM emissions. Therefore, short-term construction fugitive dust impacts would be less than significant.

Construction Air Pollutant Emissions: ROG, NO_X, Exhaust PM_{10}, and Exhaust $PM_{2.5}$

California Emissions Estimator Model (CalEEMod) Version 2022.1 was used to estimate the proposed project's construction emissions. CalEEMod provides a consistent platform for estimating construction and operational emissions from a wide variety of land use projects and is the model recommended by the BAAQMD for estimating project emissions. Estimated construction emissions are compared with the applicable thresholds of significance established by the BAAQMD to assess ROG, NO_X, exhaust PM_{10}, and exhaust $PM_{2.5}$ construction emissions to determine significance for this criterion.

For the purpose of this analysis, construction of the proposed project is expected to begin in May 2025 and conclude in February 2026. Note that construction emissions would likely decrease if the construction schedule were deferred to later years because of improvements in technology and more stringent regulatory requirements. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as CEQA Guidelines require.

Table 4: Preliminary Construction Schedule

Phase	Phase Start Date	Phase End Date	Working Days per Week	Total Number of Working Days
Demolition	5/12/2025	6/6/2025	5	20
Site Preparation	5/12/2025	6/6/2025	5	20
Grading	6/9/2025	6/27/2025	5	15
Building Construction	6/30/2025	1/6/2026	5	137
Paving	11/14/2025	12/30/2025	5	33
Architectural Coating	12/31/2025	2/13/2026	5	33

The calculations of pollutant emissions from the construction equipment account for the type of equipment, horsepower and load factors of the equipment, and the duration of equipment use. Average daily construction emissions are compared with the significance thresholds in Table 5.

Table 5: Construction Emissions

Parameter	Air Pollutants[1] (tons/year)				
	Year	ROG	NO_X	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)
Project Construction					
Demolition	2025	0.010	0.401	0.006	0.006
Site Preparation	2025	0.007	0.148	0.001	0.001
Grading	2025	0.007	0.160	0.002	0.002
Building Construction	2025	0.073	1.295	0.013	0.012
Building Construction	2026	0.002	0.042	0.000	0.000
Paving	2025	0.016	0.139	0.002	0.002
Architectural Coating	2025	0.037	0.000	0.00001	0.00001
Architectural Coating	2026	1.618	0.018	0.00048	0.00044
Total Emissions (tons/year)		1.77	2.20	0.024	0.023
Total Emissions (lbs)		3,538.5	4,405.6	48.3	46.8
Average Daily Emissions (lbs/day)[1]		17.69	22.03	0.24	0.23
Significance Threshold (lbs/day)		**54**	**54**	**82**	**54**
Exceeds Significance Threshold?		**No**	**No**	**No**	**No**

Parameter	Air Pollutants[1] (tons/year)				
	Year	ROG	NO_X	PM_{10} (Exhaust)	$PM_{2.5}$ (Exhaust)

Notes:
lbs = pounds
NO_X = oxides of nitrogen
PM_{10} = particulate matter 10 microns in diameter
$PM_{2.5}$ = particulate matter 2.5 microns in diameter
ROG = reactive organic gases
[1] Totals may not add up due to rounding. Calculations use unrounded totals.
[2] Average daily emissions equal total emissions divided by working days (200 workdays).
Source: CalEEMod Output (see Attachment A).

As indicated in Table 5, the construction emissions from all construction activities are below the recommended thresholds of significance; therefore, the proposed project's construction would have less than significant impact related to emissions of ROG, NO_X, exhaust PM_{10}, and exhaust $PM_{2.5}$.

Operational Emissions

Operational Air Pollutant Emissions: ROG, NO_X, PM_{10}, and $PM_{2.5}$

Emissions from the operation of the facility would be from area sources of emissions at the project site itself and from mobile sources (i.e., passenger cars and trucks) associated with the operation of the warehouse.

There are no direct energy related emissions from the facility since the facility would be all-electric and would not utilize natural gas. Furthermore, there are no sources of air pollutant related to the industrial operations inside of the warehouse since all of the material handling equipment is electric (e.g., battery electric forklifts and electric pallet jacks).

Area sources refer to volatile organic compound (VOC) emissions from use of consumer products by employees (cosmetics and personal care products) and also include emissions from cleaning products including detergents, cleaning compounds, polishes, floor finishes. Emissions from exhaust of any gasoline-fueled landscaping equipment also contribute to, and are included in, the area source emissions.

The warehouse operations would generate both employee and visitor passenger vehicle trips and truck trips which are mobile sources of both criteria pollutant and TAC emissions. On-site idling would generate small amounts of emissions at the site; however, regulations limit this idling to less than 5 minutes per occurrence and the on-site emissions will be minimal. Signs would be posted at the facility to facilitate compliance with the regulation. Signs also directing truck traffic into and out of the facility would ensure smooth traffic flow and avoid wasteful queueing and idling.

The proposed project is estimated to generate 3,165 daily passenger vehicle trips and 142 daily truck trips.[10] The Air Quality Analysis and CalEEMod estimates are conservatively based on CalEEMod defaults for VMT trip length for passenger vehicles. For truck trips, the project applicant anticipates that the proposed warehouse would primarily serve the East Bay market with an average of 30–45 miles per truck trip. However, for the purpose of conservative analysis, truck trip VMT was calculated based on average trip length associated with distances from the project site to the far edges of the air basin. It is appropriate to stop the trip length calculation at the boundary of the air basin because activity beyond that boundary is generally unknown, could be speculative, and would occur in a different air basin (which could have different emissions standards). In order to derive an appropriate average truck trip length for the project, a review of the major travel routes from the project site to the edges of the air basin was conducted:

- Project site to southeastern edge (via U.S. Highway 101 (US-101): 55.5 miles
- Project site to eastern edge (via I-580): 43.1 miles
- Project site to northeastern edge (via I-880 and I-80): 64 miles

Given the proposed project would primarily serve the East Bay, a 40 percent weight was assigned to the southeastern and eastern distances and a 20 percent weight was assigned to the northeastern distance. The resulting average truck trip length is 52.24 miles.

Operational emissions were also calculated using CalEEMod (Version 2022.1) and compared to the BAAQMD-recommended regional thresholds of significance. For detailed assumptions used to estimate emissions, see Attachment A. Table 6 presents the annual and average daily emissions generated during project operation.

Table 6: Operational Emissions

Emissions Source	Air Pollutants[1]			
	ROG	NO_X	PM_{10} (Total)	$PM_{2.5}$ (Total)
Annual Emissions				
Mobile	1.26	6.01	4.86	1.31
Area	1.61	0.01	0.002	0.002
Energy	–	–	–	–
Stationary (Stand by generators)	–	–	–	–
Off-Road	–	–	–	–
Total (tons/year)	2.87	6.02	4.86	1.31
Significance Threshold (tons/year)	**10**	**10**	**15**	**10**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**

[10] Kimley-Horn. 2023. Transportation Impact Study, 6750 Central Avenue Project. December.

Emissions Source	Air Pollutants [1]			
	ROG	NO_X	PM_{10} (Total)	$PM_{2.5}$ (Total)
Daily Average Emissions				
Total Emissions (pounds/year)	5,736	12,046	9,722	2,628
Average Daily Emissions (pounds/day)[1]	15.72	33.00	26.64	7.20
Significance Threshold (pounds/day)	**54**	**54**	**82**	**54**
Exceeds Significance Threshold?	**No**	**No**	**No**	**No**

Notes:
NO_X = nitrous oxides
PM_{10} = particulate matter less than 10 microns or less in diameter
$PM_{2.5}$ = particulate matter less than 2.5 microns or less in diameter
ROG = reactive organic gases
[1] Calculated by dividing the total pounds of emissions by 365 days in a typical year.
Source: CalEEMod Output (see Attachment A).

As shown in Table 6 above, the proposed project would not result in operational air pollutants or precursor emissions that would exceed the BAAQMD's thresholds of significance. Therefore, the ongoing, long-term project operations would not have the potential to generate a significant quantity of air pollutants.

Operational Carbon Monoxide Hotspot

The CO emissions from traffic generated by the proposed project are a concern at the local level because congested intersections can result in high, localized concentrations of CO (referred to as a CO hotspot).

The BAAQMD screening criteria[11] were used to determine whether implementing the proposed project could result in local carbon monoxide emissions that exceed the thresholds of significance. If all the following screening criteria are met, operation of the proposed project would result in a less than significant impact related to carbon monoxide:

- The project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, the RTP, and local congestion management agency plans.
- Project-generated traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- Project-generated traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

[11] Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed May 13, 2024.

In accordance with SB 743, the project's traffic study does not use delay-based metrics such as congestion to analyze project impacts. According to the traffic study, the proposed project would not conflict with a program, plan, ordinance, or policy of the circulation system, including transit, roadway, bicycle, and pedestrian facilities.

Based on the project-specific transportation analysis,[12] the existing plus project traffic volumes on these local residential streets would not experience hourly traffic levels above 24,000 and 44,000 vehicles per hours cited in the BAAQMD criteria. Specifically, Figure 10 of the traffic study shows the existing plus project peak-hour turning volumes at 10 studied intersections. As shown in Figure 10, the intersection of Central Avenue and Cherry Street would experience the highest amount of peak-hour volume (3,241 AM peak-hour trips and 3,482 PM peak-hour trips). The peak-hours trip volume experienced at this intersection is significantly below the threshold levels of 24,000 and 44,000 vehicle per hour. Therefore, the proposed project would meet all the CO screening criteria and would result in a less than significant impact related to carbon monoxide.

In summary, the proposed project would not result in construction or operation impacts related to criteria pollutants. Impacts would be less than significant.

Impact AIR-3: Would the project expose sensitive receptors to substantial pollutant concentrations?

Less than significant. The BAAQMD defines a sensitive receptor as the following: "Facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples include schools, hospitals, and residential areas." In the BAAQMD 2022 CEQA Guidelines, sensitive receptors have been expanded to include off-site workers and students. As specified by the BAAQMD, health risk and hazard should be analyzed for sensitive receptors within a 1,000-foot radius of the project site.[13] The closest existing sensitive receptors include the following:

- A residential treatment facility located at the southwest corner of Central Avenue and Cherry Street, approximately 750 feet away.
- Multi-family residences to northwest to the south of Cherry Street, 800 feet way.
- Single-family residences north of Cherry Street, approximately 1,000 feet away.

The proposed project would result in a potentially significant impact on sensitive receptors if any of the following three following criteria are met:

- **Criterion 1:** Construction of the proposed project would exceed the BAAQMD health risk significance thresholds.

[12] Kimley-Horn. 2023. 6750 Central Avenue Project Transportation Impact Study. December.

[13] Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed May 13, 2024.

- **Criterion 2:** Operation of the proposed project would exceed the BAAQMD health risk significance thresholds.
- **Criterion 3:** The proposed project would locate new sensitive receptors (residents) that could be subject to existing sources of TACs at the project site which exceed the BAAQMD cumulative health risk significance thresholds.

Criterion 1: Project Construction Toxic Air Pollutants

An assessment was made of the potential health impacts on surrounding sensitive receptors resulting from TAC emissions during construction. The assessment is provided below, while Attachment A provides the detailed assumptions and modeling parameters.

DPM has been identified by the ARB as a carcinogenic substance. Major sources of DPM include off-road construction equipment and heavy-duty delivery and vendor trucks and worker activities. For purposes of this analysis, DPM is represented as exhaust emissions of PM_{10}. $PM_{2.5}$ concentrations were calculated using the $PM_{2.5}$ emission rates for the maximum annual year for $PM_{2.5}$ emissions, including fugitive dust from the site and roadway sources.

Estimation of Construction DPM and $PM_{2.5}$ Emissions

Construction DPM exhaust emissions were estimated using CalEEMod, Version 2022.1, as described under Impact AIR-2. Construction was assumed to begin in May 2025 and conclude in February 2026. Project construction emissions were assumed to be distributed over the project site with a working schedule of 8 hours per day, 5 days per week.

Table 7 summarizes the emission rates of DPM and $PM_{2.5}$ emissions during construction of the proposed project with the use of Tier 4 construction equipment (PDF AIR-3), as discussed in the Project Description). Construction of the project utilizing Tier 4 (Tier 4 Interim or Final) Off-Road Engines would result in cancer health impacts shown in Table 7. Tier 4 equipment was phased in between 2006–2008, is widely available and is estimated to represent over 75 percent of the Statewide construction fleet by 2025.[14]

Table 7: Project DPM and $PM_{2.5}$ Construction Emissions

Source	DPM Exhaust	$PM_{2.5}$ Dust, Brake and Tire Wear	$PM_{2.5}$ Total
Construction Site	36.3	157.1	191.8
Roadways	12.0	87.7	99.7
TOTAL	48.3	244.8	291.6

[14] California Air Resources Board (ARB). 2024. ARB Off-Road Tool, Baseline Scenario Population for Construction Equipment by Tier. Website: https://arb.ca.gov/emfac/offroad/meta/off-road. Accessed April 3, 2024.

Source	DPM Exhaust	$PM_{2.5}$ Dust, Brake and Tire Wear	$PM_{2.5}$ Total
Notes: DPM = diesel particulate matter (DPM is defined as PM_{10} exhaust less than 10 microns in diameter). DPM is 95% $PM_{2.5}$ for off-road construction exhaust and 100 percent for on-road mobile diesel exhaust and is conservatively modeled as $PM_{2.5}$ for the $PM_{2.5}$ analysis. $PM_{2.5}$ = particulate matter less than 2.5 microns in diameter Emissions occur over the project construction period of 200 workdays and 1,600 working hours. Emissions Source: Attachment A.			

Estimation of DPM and $PM_{2.5}$ Concentrations

To assess health impacts to off-site sensitive receptors, the American Meteorological Society/EPA Regulatory Model (AERMOD) air dispersion model was used to simulate the dispersal of the emissions from the DPM and $PM_{2.5}$ project emissions and to estimate the concentrations of these pollutants at sensitive receptors within 1,000 feet of the project site.

The dispersion modeling incorporated release characteristics of the sources and accounted for terrain influence at receptors by using base elevations from United States Geological Survey (USGS) digital elevation models. Meteorological data provided by BAAQMD from the Hayward Executive Airport meteorological station from 2013–2017 was used to model the local wind patterns that would influence the dispersion of TACs from the project site and haul road emissions. The Hayward meteorological site is 11 miles to the northwest of the site, also in the San Francisco East Bay region. The prevailing wind is predominantly from the west-northwest.

Health Risk Assessment (HRA) outputs in Attachment A include local maps showing the project site, locations of sources modeled, and identification of sensitive receptors within 1,000 feet of the site. AERMOD dispersion model reports are also included.

Estimation of Cancer Risks

Cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer as a direct result of exposure to potential carcinogens over a specified exposure duration. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor. The inhalation dose is determined by factors such as the concentration of the pollutant in the air, an individual's breathing rate, and the amount of time they inhale the contaminated air.

A risk level of 10 in a million implies a likelihood (or risk) that up to 10 persons, out of one million equally exposed people, would contract cancer if exposed continuously (24 hours per day) to the levels of TACs over a specified duration of time. This risk would be an excess cancer risk that is in addition to any environmental cancer risk borne by a person not exposed to these air toxics. It should be noted that the risk of cancer described here is an increased probability of contracting cancer during a lifetime as a result of exposure to toxics from a project. It does not represent an actual incidence of cancer in an exposed population, nor does it equate to deaths from cancer because not every cancer case results in death.

The BAAQMD 2022 CEQA Air Quality Guidelines[15] provides detailed guidance on estimating cancer risks resulting from exposure to TACs. The methodology used for this HRA is consistent with the BAAQMD Guidance which follows the Cal/EPA Office of Environmental Health Hazard Assessment (OEHHA) guidance.[16] Health impacts are calculated by age groups representing the third trimester to birth, infant, child, and adult age groups. OEHHA developed age sensitivity factors (ASFs) which account for the increased sensitivity to carcinogens during early-in-life exposures are applied to the different age groups. An ASF of 10 is used to multiply the risks for the third trimester and infants less than age 2, an ASF of 3 is applied for ages 2 to 16 years, and an ASF of 1 for ages 16 and older. The estimated risk for each age group is summed to estimate the potential cancer risk for the exposure duration of interest.

See Attachment A for discussion of the exposure parameters used in the HRA that determine the inhalation dose and health risks from the project. The HRA follows BAAQMD and OEHHA guidance and represents a conservative estimate of exposure and health risk.

Estimation of Non-Cancer Chronic Hazards

Adverse health effects are evaluated by comparing the annual receptor concentration of each chemical compound with the appropriate reference exposure limit. Available reference exposure limits promulgated by the OEHHA and contained within the ARB Hot Spots Analysis and Reporting Program (HARP) Version 2 (or HARP2) were utilized in the assessment.

Risk characterization for non-cancer health hazards from TACs is expressed as a hazard index (HI). An HI is a ratio of the predicted concentration of the proposed project's emissions to a concentration considered acceptable to public health professionals, termed the reference exposure limit. The HI assumes that chronic sub-threshold exposures adversely affect a specific organ or organ system (toxicological endpoint). For each discrete chemical exposure, target organs presented in regulatory guidance were used. Each chemical concentration or dose is divided by the appropriate toxicity reference exposure level to calculate the HI. For compounds affecting the same toxicological endpoint, this ratio is summed up. Where the total equals or exceeds 1, a health hazard is presumed to exist. For purposes of this assessment, the TAC of concern is DPM, for which the OEHHA has defined a reference exposure limit of 5 micrograms per cubic meter ($\mu g/m^3$). The principal toxicological endpoint assumed in this assessment is the respiratory system via inhalation as a route.

An HI of 1.0 is the target threshold for assessing non-cancer hazards by project, although a value greater than 1.0 does not necessarily correlate to a statistical probability of harm.

[15] Bay Area Air Quality Management District (BAAQMD). 2022. California Environmental Quality Act – Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-e-recommended-methods-for-screening-and-modeling-local-risks-and-hazards_final-pdf.pdf?rev=b8917a27345a4a629fc18fc8650951e4&sc_lang=en. Accessed May 15, 2024.

[16] Office of Environmental Health Hazard Assessment (OEHHA). 2015. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Website: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed May 15, 2024.

Nearby Sensitive Receptors and Modeling Tools Used

Consistent with BAAQMD Guidance, cancer and chronic non-cancer health risks were calculated for off-site residents and workers within 1,000 feet of the project site. There are no schools within 1,000 feet of the site. The surrounding area nearby the project site is entirely industrial and the closest residential areas are 750 feet to the north of the site, along Cherry Street.

This HRA utilizes Tier 2 (user-specified, non-default) HRA procedures utilizing HARP2. HARP2 is the recommended model by BAAQMD for calculating and presenting HRA results because it follows the risk assessment guidance methodology and is consistent with the Air District's Regulation 2-5.

The HARP Risk Assessment Stand-alone Tool (HARP-RAST) was used since the DPM air concentrations were calculated directly in AERMOD dispersion model. HARP-RAST allows the user to estimate the single- or multi-pathway health impacts at multiple receptor locations from one or more pollutants released from one or more emission points. Both carcinogenic and non-carcinogenic impacts may be evaluated.

Project Construction HRA Summary

As discussed above, the sensitive receptors near the project site includes residents and off-site workers. Of the nearby sensitive receptors, AERMOD dispersion modeling of construction emissions shows that the maximally exposed individual resident (MEIR) is a residence located on Manzanita Street approximately 1,750 feet away and the maximally exposed individual worker (MEIW) is located in industrial uses immediately east of the project site. Table 8 summarizes the cancer risk and chronic HI results for the proposed project construction at the MEIR and MEIW locations.

It is notable that the MEIR is outside of the 1,000 feet zone of potential impact since all the residential receptors in this zone are immediately upwind from the site and are not significantly influenced by the site emissions. The dispersion modeling and HRA analysis extended the zone of impact for residences in the downwind direction to capture this maximum impact. Detailed summaries of the HRA results and maps of the MEIR and MEIW locations are included with supporting information in Attachment A.

Table 8 shows that the construction DPM and $PM_{2.5}$ emissions generated by the proposed project would not result in an exceedance of BAAQMD cancer risk and chronic non-cancer HI thresholds at any location. Therefore, project construction would not result in significant health impacts to nearby sensitive receptors.

Table 8: Estimated Cancer Risks and Chronic Non-Cancer Hazards

Cancer Risk Scenario[1]	Average DPM (µg/m³)	DPM Cancer Risk (risk per million)	DPM Chronic Non-Cancer Hazard Index	Annual $PM_{2.5}$ (µg/m³)
Maximum Exposed Individual Resident[2]	0.0124	0.1187	0.00025	0.0360
Maximum Exposed Individual Worker	0.02928	0.2351	0.006	0.2151
Thresholds of Significance		**10**	**1**	**0.3**
Exceeds Individual Source Threshold?		**No**	**No**	**No**

Cancer Risk Scenario[1]	Average DPM ($\mu g/m^3$)	DPM Cancer Risk (risk per million)	DPM Chronic Non-Cancer Hazard Index	Annual $PM_{2.5}$ ($\mu g/m^3$)
Notes: $\mu g/m^3$ = micrograms per cubic meter MEIR = Maximally Exposed Individual Resident MEIW = Maximally Exposed Individual Worker DPM = Diesel Particulate Matter based in PM_{10} Exhaust= particulate matter less than 10 microns in diameter $PM_{2.5}$ = particulate matter less than 2.5 microns in diameter (includes $PM_{2.5}$ exhaust, dust, brake wear and tire wear) 1 The proposed project construction cancer risk and chronic non-cancer hazard estimates shown here are based on a construction fleet with Tier 4 engines for equipment with engines of 25 horsepower or higher, consistent with PDF AIR-3. 2 The maximum impact for residential was determined as a location on Manzanita Street 1,750 feet to the northwest of the project site at 586634.18 Easting 4153672.54 Northing. 3 The maximum impact for off-site workers is immediately to the east of the project site at 586070.57 Easting 4153576.44 Northing approximately 30 feet from the project site boundary. Emissions Source: Attachment A. Thresholds Source: Bay Area Air Quality Management District (BAAQMD). 2022. CEQA Air Quality Guidelines. April. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/ceqa-guidelines-chapter-3-thresholds_final_v2-pdf.pdf?la=en. Accessed March 25, 2024.				

Criterion 2: Project-Specific Operational Toxic Air Pollutants

For project operation, potential TAC emissions would be from the exhaust of the trucks entering, exiting, and idling on the site. Diesel exhaust particulate emissions from on-road heavy-duty trucks are substantially less than those from off-road construction equipment and are dispersed over a larger linear roadway path. Projects with the potential for health risk from DPM are those with high level of truck traffic, or sites where trucks with TRUs (small diesel engines used to run refrigeration devices on trucks) idle for a significant amount of time. The ARB's Air Quality and Land Use Handbook provides guidance on levels of activity that could result in a potential impact:[17]

> *Avoid siting new sensitive land uses within 1,000 feet of a distribution center (that accommodates more than 100 trucks per day, more than 40 trucks with operating Transport Refrigeration Units (TRUs) per day, or where TRU unit operations exceed 300 hours per week).*

The traffic analysis estimates the daily heavy heavy-duty (HHD) truck trips accessing the project site would be 142 trips,[18] which is approximately 71 HHD trucks per day and below the 100-truck advisory threshold in the Air Quality and Land Use Handbook; therefore, an operational HRA is not necessary and is not analyzed in this study. Since the facility does not involve cold storage, the 71 truck visits (142 trips) would not involve any operating TRU units, which as described above contribute additional DPM. Consistent with PDF AIR-1, the proposed project is designed and limited to dry storage only. Furthermore, the nearest residences are located 750 feet away, and emission dispersion modeling shows

[17] California Air Resource Board (ARB). Air Quality and Land Use Handbook: A Community Health Perspective. 2005. Website: http://www.aqmd.gov/docs/default-source/ceqa/handbook/california-air-resources-board-air-quality-and-land-use-handbook-a-community-health-perspective.pdf. Accessed May 15, 2024.

[18] Kimley-Horn. 2023. 6750 Central Avenue Project Transportation Impact Study. December.

that due to wind directions the maximum impacted residential receptors are over 1,700 feet away. Therefore, risks due to DPM from this level of truck traffic would be less than significant.

Thus, the proposed project would not generate a significant amount of DPM or other TAC emissions during operation and would not result in significant health impacts to nearby sensitive receptors during operation.

Criterion 3: Cumulative Health Risk Assessment

The proposed project is an industrial project and would not site new sensitive receptors (residents) that could be subject to existing sources of TACs at the project site which exceed the BAAQMD cumulative health risk significance thresholds.

With respect to existing sensitive receptors within 1,000 feet, the contribution from project construction to the localized risks and hazards are less than the BAAQMD thresholds; the project's contribution to a significant cumulative impact can be rendered less than cumulatively considerable. Impacts would be less than significant.

Criterion 4: CO Hotspot

As discussed under Impact AIR-2, project operational CO hotspot impact would be less than significant.

In summary, the proposed project would not expose sensitive receptors to substantial pollutant concentrations during construction and operation. Impacts would be less than significant.

Impact AIR-4: Would the project result in other emissions (such as those leading to odors or) adversely affecting a substantial number of people?

Less than significant. The ability to detect odors varies considerably among the populations and is subjective. The BAAQMD does not have a recommended odor threshold for construction activities. However, the BAAQMD recommends operational screening criteria based on the distance between receptors and types of sources known to generate odors.

Project construction would generate diesel exhaust and ROGs; however, these emissions would disperse rapidly from the project site and therefore would not create significant odors affecting a substantial number of people. As such, construction odor impacts would be less than significant.

Land uses typically associated with objectionable odors include wastewater treatments plants, compost facilities, landfills, solid waste transfer stations, fiberglass manufacturing facilities, paint/coating operations (e.g., auto body shops), dairy farms, petroleum refineries, asphalt batch plants, chemical manufacturing, and food manufacturing facilities, as shown in Table 5-4, Odor Screening Distances, in Chapter 5 Project-level Air Quality Impacts, 2022 BAAQMD CEQA Guidelines.[19] The proposed project would involve the construction of a warehouse. The operation of this type of project would likely not

[19] Bay Area Air Quality Management District (BAAQMD). 2022. BAAQMD CEQA Guidelines, Chapter 5 Project-level Air Quality Impacts, Table 5-4, Odor Screening Distances.

generate objectionable odors that may affect a substantial number of nearby receptors. Minor sources of odors that would be generated by the proposed project, such as exhaust from mobile sources, are not typically associated with numerous odor complaints but are known to have temporary and less concentrated odors. The nearest sensitive receptor is approximately 750 feet from the project site and in an upwind direction. Because of distance from this sensitive receptor, operation of the proposed project would not have an impact related to odors. Therefore, operational odor impacts would be less than significant.

Condition of Approval

COA AIR-1 **Implement BAAQMD Best Management Practices to Control Dust During Construction**

The following dust control measures, as recommended by the Bay Area Air Quality Management District (BAAQMD), shall be included in the design of the proposed project and implemented during construction:

- All exposed non-paved surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and access roads) shall be watered at least two times per day and/or non-toxic soil stabilizers shall be applied to exposed non-paved surfaces.
- All haul trucks transporting soil, sand, or other loose material off-site shall be covered and/or shall maintain at least 2 feet of freeboard.
- All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
- All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
- Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes, as required by the California Airborne Toxics Control Measure (ATCM) Title 13, Section 2485 of California Code of Regulations. Clear signage regarding idling restrictions shall be provided for construction workers at all access points.
- All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
- The prime construction contractor shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. The construction contractor shall take corrective action within 48 hours. The BAAQMD's and the City's phone numbers shall also be visible to ensure compliance with applicable regulations.

GREENHOUSE GAS EMISSIONS IMPACT ANALYSIS

According to CEQA Guidelines Appendix G, to determine whether impacts related to GHG emissions are significant environmental effects, the following questions are analyzed and evaluated.

In developing its 2022 GHG significance thresholds, BAAQMD analyzed what new land use development projects will require to achieve California's long-term climate goal of carbon neutrality by 2045, thereby better representing what design elements new land use development projects need to incorporate to sufficiently contribute to achieving the State's goal. As GHG emissions from the land use sector come primarily from building energy use and from transportation, these are the areas that need to be evaluated to determine whether the project can or will be carbon neutral. Because BAAQMD's 2022 GHG significance thresholds are developed to be consistent with State climate goals, if a project incorporates all required design elements and therefore results in a less than significant impact under BAAQMD's GHG thresholds, it follows that the project would also be consistent with State and local policies for GHG emission reduction. Conversely, a project that does not include all design elements required under the BAAQMD GHG significance threshold would not be consistent with the State's climate goals, thereby resulting in a significant GHG impact. Accordingly, the analysis below addresses both GHG Impact a) and GHG Impact b).

Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

or

b) Would the project conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?

Less than significant. Both construction and operational activities have the potential to generate GHG emissions. The proposed project would generate GHG emissions during temporary (short-term) construction activities, such as site grading, operation of construction equipment, operation of on-site heavy-duty construction vehicles, hauling of materials to and from the project site, asphalt paving, and construction worker vehicle trips. Construction activities would vary over the duration of project construction.

Long-term operational GHG emissions would result from project-generated vehicular traffic, operation of any landscaping equipment, natural gas combustion for space and water heating and off-site generation of electrical power over the life of the proposed project, the energy required to convey water to and wastewater from the project site, the emissions associated with the hauling and disposal of solid waste from the project site, and any fugitive refrigerants from air conditioning or refrigerators.

Global climate change is not confined to a particular project area and is generally accepted as the consequence of global industrialization over the last 200 years. A typical project, even a very large one, does not generate enough GHG emissions on its own to influence global climate change significantly; hence, the issue of global climate change is, by definition, a cumulative environmental impact. Therefore, this section measures the proposed project's incremental contribution to the cumulative environmental impact. The following is a discussion of the proposed project's contribution to GHG emissions during both the construction and operation phases. The proposed project is analyzed against BAAQMD's qualitative thresholds; therefore, the proposed project's GHG emissions quantified below are for informational purposes only.

Project Emissions (for Informational Purposes)

Construction Emissions

At the time of this analysis, the construction of the proposed project was anticipated to begin in May 2025 and end in February 2026. The proposed project's construction emissions are presented in Table 9. As vehicle and equipment fuel efficiencies and emission control standards continue to incrementally improve with each year, project construction emissions are likely to decrease nominally from what is shown in Table 9 should the construction schedule move to later years. Therefore, the construction GHG emissions contained in Table 9 represent a conservative assessment of project construction emissions. CalEEMod outputs which detail the GHG emissions during each construction phase are provided in Attachment A. The proposed project would generate approximately 849 metric tons of carbon dioxide equivalents (MT CO_2e) during construction.

Table 9: Proposed Project Construction GHG Emissions

Construction Year	Total MT CO_2e per year (approx.)
2025	830
2026	19
Entire Construction Duration (2025-2026)	
Total	**849**
Amortized over 30 years	***28***
Notes: Because of rounding, total MT CO_2e may be marginally different from California Emissions Estimator Model (CalEEMod) output. MT CO_2e = metric tons of carbon dioxide equivalents Source: Attachment A	

Operation Emissions

Operational or long-term emissions occur over the life of the project. Project operations were modeled for the 2026 operational year, immediately following the completion of construction. Sources for operational emissions are summarized below. Sources for operational GHG emissions include:

- **Motor Vehicles:** These emissions refer to GHG emissions contained in the exhaust from the cars and trucks that would travel to and from the project site.
- **Area Sources:** These emissions refer to those produced during activities such as landscape maintenance.
- **Energy–Electricity:** These emissions refer to those generated by off-site power plants to supply electricity required for the project.
- **Water Transport:** These emissions refer to those generated by the electricity required to transport and treat the water to be used on the project site.
- **Waste:** These emissions refer to the GHG emissions produced by decomposing waste generated by the project.

Table 10 presents the estimated annual GHG emissions from the proposed project's operational activities. As shown in Table 10, the proposed project would generate approximately 7,775 MT CO_2e per year after the inclusion of 28 MT CO_2e per year from project construction. CalEEMod outputs which detail the GHG emissions during operation are provided in Attachment A.

Table 10: Operational Greenhouse Gas Emissions

GHG Emissions Source	GHG Emissions (MT CO_2e per year)
Mobile	7447.77
Area	4.62
Energy–Electricity	90.88
Energy–Natural Gas[1]	0
Water	111.43
Waste	92.55
Stationary	–
Off-Road	–
Amortized Construction Emissions	28
Total Annual Project Emissions	**7775.25**

Notes:
MT CO_2e = metric tons carbon dioxide equivalent
[1] The proposed project would be all electric and would not include natural gas use.
Totals were summed using unrounded numbers and may not appear to sum exactly due to rounding.
Source: Attachment A.

Best Management Practices for Warehouses

The proposed project would adopt key design and operational practices as set forth in the California Office of the Attorney Generals Guidance for Best Practices to comply with CEQA.[20] In addition to adopting an all-electric building design, the facility would commit to investment in zero-emission infrastructure at the project-design stage; deploy zero-emission technologies; and incorporate contractual language requiring tenants to utilize zero-emission technologies to the maximum extent possible.

Design features and best management strategies to minimize and reduce GHG from the project include:

- Utilize zero-emission technologies to the maximum extent possible.
- Design features and best management strategies to minimize and reduce GHG from the project include:
  - Provisions for all ZEV material-handling equipment (e.g., forklifts and pallet jacks).
  - Restrictions to dry storage.
  - Use of compliant low GWP refrigerants.
  - Rooftop solar photovoltaic system with battery storage (Title 24 Part 6 Section 140.10(a)).
  - Heat pump for space conditioning in single-zoned office spaces (Title 24 Part 6 Section 140.4(a).2.).
  - Electrical infrastructure to support ZEV material-handling equipment.
  - Electrical infrastructure ready to support future ZEV MHDT and HHDT. (California Building Standards Code [CBC] 5.106.5.4.1 Electric vehicle charging readiness requirements for warehouses with planned off-street loading spaces).
  - Water efficient landscaping.
  - Low-flow water fixtures.
  - Energy efficient LED lighting.

Project Impacts

Construction

BAAQMD does not have thresholds of significance for construction-related GHG emissions. GHG emissions from construction activities are one-time, short-term emissions and therefore would not significantly contribute to long-term cumulative GHG emissions impacts of the proposed project. Therefore, construction emissions would be less than significant.

Operation

As previously discussed, the BAAQMD's proposed 2022 GHG significance thresholds represent a method for determining whether the proposed project would be cumulatively considerable or whether the

[20] California Office of the Attorney General. 2022. Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act. Website: https://oag.ca.gov/system/files/media/warehouse-best-practices.pdf. Accessed May 15, 2024.

proposed project contributes to solving the cumulative problem of climate change, taking into consideration the State's long-term climate goal of carbon neutrality by 2045.

If a project is designed and built to incorporate the design elements from Criteria "A", then it will contribute its portion of what is necessary to achieve California's long-term climate goals—its "fair share"—and an agency reviewing the project under CEQA can conclude that the project will not make a cumulatively considerable contribution to global climate change.

The County does not have a qualified GHG reduction strategy that meets the criteria under State CEQA Guidelines Section 15183.5(b). Therefore, the proposed project is analyzed against Criteria A to assess its GHG impacts. The substantial evidence behind how incorporation of these design features would achieve the project's fair share contribution towards the State's 2045 net zero carbon goal is provided in BAAQMD's Thresholds of Significance Justification Report.

> **All-electric design:** Per PDF AIR-2, the proposed project would be an all-electric design and would therefore comply with this requirement.
>
> **Energy efficiency:** As demonstrated in Energy analysis below, the proposed project would not result in any wasteful, inefficient, or unnecessary energy usage; therefore, the proposed project is consistent with this design element.
>
> **VMT impact:** As detailed in the project-specific transportation study, employees of the proposed project would be expected to generate 14.02 VMT per capita daily, which is less than the target VMT threshold of 14.6 VMT per capita. Therefore, the proposed project's VMT impact is less than significant and is consistent with the third design element.
>
> **Tier 2 EV Charging Infrastructure:** The last design element relates to implementation of CALGreen Tier 2 level of EV charging infrastructure, which is beyond the mandatory CALGreen requirement of EV charging spaces. The City's General Plan Action CS-5.G supports the development of additional electric vehicle charging stations and other infrastructure which make electric vehicles more viable in Newark. In accordance with BAAQMD CEQA Guidelines, and to implement Action CS-5.G, the project applicant would provide additional EV charging infrastructure by demonstrating that proposed parking areas for automobiles and trucks are designed and will be built to accommodate EV charging stations equal to Tier 2 of the California Green Building Standards Code (COA GHG-1). Therefore, the proposed project would exceed the Tier 2 EV charging criterion and would be consistent with this design element.

In summary, the proposed project would satisfy all four design elements as outlined in the BAAQMD GHG threshold Criterion A. The proposed project potential GHG impacts would be less than significant.

Condition of Approval

COA GHG-1 Prior to issuance of any building permits, the project applicant shall demonstrate to the satisfaction of the City (e.g., show on-site plans) that the proposed parking areas for passenger automobiles and trucks are designed and will be built to accommodate electric vehicle (EV) charging stations. At a minimum, the parking shall be designed to

accommodate EV charging stations equal to the Tier 2 Nonresidential Voluntary Measures of the California Green Building Standards Code, Section A5.106.5.3.2.

ENERGY IMPACT ANALYSIS

According to CEQA Guidelines Appendix G, to determine whether impacts related to energy are significant environmental effects, the following questions are analyzed and evaluated.

Would the project:

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

or

b) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Less than significant.

Construction

The construction of the proposed project would result in energy expenditures from diesel and gasoline utilized to fuel off-road construction equipment and construction vehicles traveling to and from the project site. Off-road construction equipment would consume an estimated 45,178 gallons of diesel. Vehicles used by workers, vendors, and haul trucks would consume an estimated 41,035 gallons of diesel and gasoline combined. Detailed energy calculations for construction are included in Attachment A.

Construction practices would comply with all local and State regulatory requirements related to equipment age, operation, and design. Adherence with BAAQMD Basic Construction Best Practices (COA AIR-1) would ensure that idling time of trucks are limited to five minutes. Construction equipment would be maintained and tuned according to manufacturer specifications which would promote fuel efficiency. Compliance with the ARB Regulation for In-use Off-road Diesel-fueled Fleets (Off-road Diesel Regulation) addresses unnecessary idling for off-road construction equipment, preventing the unnecessary or wasteful use of energy.

Operation

The BAAQMD GHG design elements of the proposed project would have the co-benefits of energy efficiency and reductions in fossil fuel consumption. The project would be designed to be all electric and would not include natural gas usage. The proposed project would include infrastructure for future solar arrays consistent with the requirements of the 2022 Building Efficiency Standards Code, which requires the solar photovoltaic system requirements for all new nonresidential buildings. In addition, all proposed indoor and outdoor lighting, including parking lot lighting, would be modern energy efficient lighting, as required under the CBC. Furthermore, in accordance with COA GHG-1, the proposed project applicant would be required to demonstrate that proposed parking areas for automobiles and trucks are designed

and will be built to accommodate EV charging stations equal to Tier 2 of the California Green Building Standards Code. Therefore, the proposed project would exceed CALGreen's Tier 2 EV charging criterion.

The project would consume an estimated 3,589,586 of electricity annually from warehouse and parking lot uses. Mobile source energy consumption for vehicle trips to the site are an estimated 792,975 gallons per year of fossil fuel combined and 291,309 kWh of electricity for electric vehicles.

The proposed project would be served with electricity provided by Ava Community Energy. Ava Community Energy offers 100 percent renewable energy, 49 percent renewable energy, or electricity from Pacific Gas and Electric Company (PG&E). Ava Community Energy would be required to meet the future objective of 60 percent of electricity from renewable energy sources by 2030 set by SB 350 and the 2017 Climate Change Scoping Plan Update.

The project would be compliant with all State and local regulations for renewable energy and energy efficiency. The project design will result in a decrease reliance on fossil fuels and increasing reliance on renewable energy sources and energy impacts from operation of the project would be less than significant.

CONCLUSION

Based on the project understanding described above, the proposed project's impacts related to air quality would be maintained at less than significant levels with COA AIR-1 .

The proposed project's impacts related to GHG would be maintained at less than significant levels with COA GHG-1.

The analysis also determined that the proposed project would not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation; nor would the proposed project conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

Thank you for the opportunity to conduct an air quality and GHG emissions and energy impacts analysis. Please feel free to contact Phil Ault (559.930.6191 or pault@fcs-intl.com) should you have any questions.

Sincerely,



Philip Ault, Director of Noise and Air Quality
FirstCarbon Solutions
2999 Oak Road, Suite 250
Walnut Creek, CA 94597

Attachment A: Air Quality Supporting Information and Modeling Results

FIRSTCARBON
SOLUTIONS
FCS INTERNATIONAL, INC.

Attachment A:
Air Quality Supporting Information and Modeling Results

Attachment A: Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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6756 Central Avenue Warehouse Project
Asphalt Paving Construction Trips Calculation

Paved area (sf)	373,229
Asphalt volume (cube feet) assume 6 inch pavement	186,615
Asphalt volume (cy)	6,912
Capacity per vendor truck (CY per truck)	16
Trips	**431.98**
Days in paving phase	**33**
One-way Vendor Trips per day	26

6756 Central Avenue Warehouse Project
All-Electric Measure Electricity Adjustment to Replace NG Usage

CEC Electricity Demand Forecast Zone (EDFZ) [1]

Building Type / LandUse	Amount	Units	Additional Energy for Electricity (per Unit) kWHr/yr	Additional Energy for Electricity Total kWHr/yr	Caleemod Electricity Usage kWhr/yr	Electricity including replacement of NG Enduses kWhr/yr
Unrefrigerated Warehouse No Rail	315.390	1,000 sqft	289	91147.71	3,159,618	3,250,766
User Defined Industrlal	315.390	User Defined Unit	0	0	0	0
Parking Lot	373.229	1,000 sqft	0	0	0	0

Calculational Method is from Measure E-15 of the CAPCOA Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity
Emission Factors are From Data Tables E=15.2 from Appendix C of the Handbook

References:

CAPCOA, 2021. Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Available at: Available at: https://www.airquality.org/ClimateChange/Documents/Final%20Handbook_AB434.pdf.

CAPCOA. 2021. Appendix C : Emission Factors and Data Tables from Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity.. Available at: https://www.caleemod.com/documents/handbook/appendices/appendix_c.pdf

6756 Central Avenue Warehouse Project Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	6756 Central Avenue Warehouse Project
Construction Start Date	5/12/2025
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	4.20
Precipitation (days)	31.8
Location	6756 Central Ave, Newark, CA 94560, USA
County	Alameda
City	Newark
Air District	Bay Area AQMD
Air Basin	San Francisco Bay Area
TAZ	1612
EDFZ	1
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.22

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description

Unrefrigerated Warehouse-No Rail	315	1000sqft	8.79	315,390	85,022	31,259	—	Passenger Vehicles
User Defined Industrial	315	User Defined Unit	0.00	0.00	0.00	0.00	—	Trucks
Parking Lot	373	1000sqft	8.57	0.00	0.00	0.00	—	—

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.89	1.68	54.0	58.6	0.23	0.73	32.7	33.4	0.71	8.48	9.19	—	31,544	31,544	1.55	3.72	51.2	32,741
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.54	104	28.1	45.5	0.08	0.29	1.79	2.08	0.28	0.44	0.72	—	9,662	9,662	0.39	0.43	0.27	9,800
2026	1.26	104	20.7	35.3	0.06	0.22	1.68	1.90	0.21	0.41	0.62	—	7,535	7,535	0.29	0.30	0.22	7,631
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.66	0.82	11.7	18.0	0.04	0.13	2.50	2.63	0.12	0.66	0.79	—	4,908	4,908	0.21	0.33	2.67	5,015
2026	0.02	8.88	0.33	0.55	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	114	114	< 0.005	< 0.005	0.07	116
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.12	0.15	2.14	3.28	0.01	0.02	0.46	0.48	0.02	0.12	0.14	—	813	813	0.03	0.06	0.44	830
2026	< 0.005	1.62	0.06	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.9	18.9	< 0.005	< 0.005	0.01	19.1

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.86	7.19	31.3	80.1	0.42	0.51	26.6	27.2	0.49	6.84	7.32	—	44,828	44,828	1.75	4.47	123	46,325
Area	2.44	9.96	0.12	13.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	56.4	56.4	< 0.005	< 0.005	—	56.6
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	549	549	0.00	0.00	—	549
Water	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673
Waste	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
Total	11.3	17.2	31.4	93.8	0.43	0.54	26.6	27.2	0.51	6.84	7.34	300	45,507	45,806	32.1	4.81	123	48,163
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.74	7.02	33.9	74.4	0.41	0.51	26.6	27.1	0.49	6.83	7.32	—	43,422	43,422	1.88	4.55	3.18	44,828
Area	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	549	549	0.00	0.00	—	549
Water	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673
Waste	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
Total	8.74	14.7	33.9	74.4	0.41	0.51	26.6	27.1	0.49	6.83	7.32	300	44,044	44,343	32.2	4.89	3.18	46,609
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.59	6.90	32.9	71.7	0.41	0.51	26.1	26.6	0.49	6.70	7.19	—	43,540	43,540	1.83	4.52	53.0	44,985
Area	1.20	8.82	0.06	6.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.8	27.8	< 0.005	< 0.005	—	27.9
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	549	549	0.00	0.00	—	549
Water	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673
Waste	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
Total	9.80	15.7	33.0	78.5	0.41	0.53	26.1	26.6	0.50	6.70	7.20	300	44,190	44,490	32.1	4.86	53.0	46,794
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile	1.57	1.26	6.01	13.1	0.08	0.09	4.77	4.86	0.09	1.22	1.31	—	7,209	7,209	0.30	0.75	8.77	7,448
Area	0.22	1.61	0.01	1.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.61	4.61	< 0.005	< 0.005	—	4.62
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	90.9	90.9	0.00	0.00	—	90.9
Water	—	—	—	—	—	—	—	—	—	—	—	23.1	12.2	35.3	2.37	0.06	—	111
Waste	—	—	—	—	—	—	—	—	—	—	—	26.5	0.00	26.5	2.64	0.00	—	92.5
Total	1.79	2.87	6.02	14.3	0.08	0.10	4.77	4.86	0.09	1.22	1.31	49.6	7,316	7,366	5.32	0.80	8.77	7,747

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.41	11.9	18.2	0.03	0.20	—	0.20	0.19	—	0.19	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	18.8	18.8	—	2.85	2.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	1.00	< 0.005	0.01	—	0.01	0.01	—	0.01	—	188	188	0.01	< 0.005	—	188
Demolition	—	—	—	—	—	—	1.03	1.03	—	0.16	0.16	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.12	0.18	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.1	31.1	< 0.005	< 0.005	—	31.2
Demolition	—	—	—	—	—	—	0.19	0.19	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.58	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	130	130	< 0.005	< 0.005	0.52	132
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	1.72	0.51	27.2	10.9	0.15	0.43	5.96	6.38	0.43	1.63	2.06	—	22,542	22,542	1.19	3.63	50.1	23,705
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.65	6.65	< 0.005	< 0.005	0.01	6.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.09	0.03	1.55	0.60	0.01	0.02	0.32	0.34	0.02	0.09	0.11	—	1,235	1,235	0.07	0.20	1.19	1,298
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.11	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	205	205	0.01	0.03	0.20	215

3.3. Site Preparation (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	14.7	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,295	5,295	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.81	1.55	< 0.005	0.01	—	0.01	0.01	—	0.01	—	290	290	0.01	< 0.005	—	291
Dust From Material Movement	—	—	—	—	—	—	0.42	0.42	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	48.0	48.0	< 0.005	< 0.005	—	48.2
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.04	0.67	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	152	152	< 0.005	0.01	0.60	154
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.75	7.75	< 0.005	< 0.005	0.01	7.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.30
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.80	0.80	19.4	35.3	0.06	0.18	—	0.18	0.18	—	0.18	—	6,599	6,599	0.27	0.05	—	6,622
Dust From Material Movement	—	—	—	—	—	—	3.60	3.60	—	1.43	1.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.80	1.45	< 0.005	0.01	—	0.01	0.01	—	0.01	—	271	271	0.01	< 0.005	—	272
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	44.9	44.9	< 0.005	< 0.005	—	45.1
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.04	0.77	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	173	173	< 0.005	0.01	0.69	176

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.77	0.71	0.01	0.03	0.39	0.42	0.03	0.11	0.13	—	1,468	1,468	0.08	0.24	3.26	1,544
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.65	6.65	< 0.005	< 0.005	0.01	6.75
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.08	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	60.4	60.4	< 0.005	0.01	0.06	63.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.10	1.10	< 0.005	< 0.005	< 0.005	1.12
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.99	9.99	< 0.005	< 0.005	0.01	10.5

3.7. Building Construction (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	17.5	28.6	0.05	0.17	—	0.17	0.17	—	0.17	—	4,795	4,795	0.19	0.04	—	4,812
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	17.5	28.6	0.05	0.17	—	0.17	0.17	—	0.17	—	4,795	4,795	0.19	0.04	—	4,812

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	6.33	10.4	0.02	0.06	—	0.06	0.06	—	0.06	—	1,736	1,736	0.07	0.01	—	1,742
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.15	1.89	< 0.005	0.01	—	0.01	0.01	—	0.01	—	287	287	0.01	< 0.005	—	288
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.45	0.29	5.09	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,147	1,147	0.02	0.04	4.55	1,165
Vendor	0.11	0.04	1.69	0.74	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,377	1,377	0.06	0.20	3.70	1,442
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.45	0.43	0.41	4.51	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,064	1,064	0.03	0.05	0.12	1,079
Vendor	0.10	0.04	1.78	0.76	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,378	1,378	0.06	0.20	0.10	1,439
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.16	0.13	1.58	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	388	388	0.01	0.02	0.71	394
Vendor	0.04	0.02	0.63	0.27	< 0.005	0.01	0.13	0.14	0.01	0.04	0.04	—	499	499	0.02	0.07	0.58	521
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.03	0.03	0.02	0.29	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	64.2	64.2	< 0.005	< 0.005	0.12	65.2
Vendor	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	82.6	82.6	< 0.005	0.01	0.10	86.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	17.5	28.6	0.05	0.17	—	0.17	0.17	—	0.17	—	4,794	4,794	0.19	0.04	—	4,811
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.21	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	56.3	56.3	< 0.005	< 0.005	—	56.5
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.32	9.32	< 0.005	< 0.005	—	9.35
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.43	0.38	0.37	4.21	0.00	0.00	1.10	1.10	0.00	0.26	0.26	—	1,044	1,044	0.03	0.05	0.11	1,058
Vendor	0.10	0.04	1.71	0.73	0.01	0.02	0.36	0.38	0.02	0.10	0.12	—	1,355	1,355	0.06	0.20	0.09	1,416
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.02	12.5
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.02	16.6
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.04	2.04	< 0.005	< 0.005	< 0.005	2.07
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.63	2.63	< 0.005	< 0.005	< 0.005	2.75
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Paving (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	7.21	10.6	0.01	0.09	—	0.09	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,517

Paving	—	0.68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.65	0.96	< 0.005	0.01	—	0.01	0.01	—	0.01	—	137	137	0.01	< 0.005	—	137
Paving	—	0.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.12	0.17	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	22.6	22.6	< 0.005	< 0.005	—	22.7
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.51	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	120	120	< 0.005	0.01	0.01	122
Vendor	0.08	0.03	1.20	0.54	0.01	0.01	0.20	0.22	0.01	0.06	0.07	—	792	792	0.05	0.13	0.04	832
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.0	11.0	< 0.005	< 0.005	0.02	11.1
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	71.6	71.6	< 0.005	0.01	0.07	75.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.82	1.82	< 0.005	< 0.005	< 0.005	1.84
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	11.9	11.9	< 0.005	< 0.005	0.01	12.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	1.07	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	103	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.26	0.26	< 0.005	< 0.005	—	0.26
Architectural Coatings	—	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.04	0.04	< 0.005	< 0.005	—	0.04
Architectural Coatings	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.08	0.90	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	213	213	0.01	0.01	0.02	216
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.43
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	1.07	0.96	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	103	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.09	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.5	11.5	< 0.005	< 0.005	—	11.5
Architectural Coatings	—	8.86	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.90	1.90	< 0.005	< 0.005	—	1.91
Architectural Coatings	—	1.62	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.07	0.84	0.00	0.00	0.22	0.22	0.00	0.05	0.05	—	209	209	0.01	0.01	0.02	212
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.1	18.1	< 0.005	< 0.005	0.03	18.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.00	3.00	< 0.005	< 0.005	0.01	3.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	7.27	6.85	4.02	70.2	0.19	0.09	19.8	19.9	0.08	5.01	5.09	—	19,686	19,686	0.55	0.47	68.0	19,907
User Defined Industrial	1.60	0.35	27.2	9.89	0.23	0.43	6.80	7.23	0.41	1.83	2.24	—	25,142	25,142	1.21	4.00	54.8	26,418
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.86	7.19	31.3	80.1	0.42	0.51	26.6	27.2	0.49	6.84	7.32	—	44,828	44,828	1.75	4.47	123	46,325
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	7.16	6.68	5.16	64.5	0.18	0.09	19.8	19.9	0.08	5.01	5.09	—	18,286	18,286	0.67	0.55	1.76	18,470
User Defined Industrial	1.58	0.34	28.7	9.89	0.23	0.43	6.79	7.22	0.41	1.83	2.23	—	25,135	25,135	1.21	4.00	1.42	26,358
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.74	7.02	33.9	74.4	0.41	0.51	26.6	27.1	0.49	6.83	7.32	—	43,422	43,422	1.88	4.55	3.18	44,828
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.28	1.20	0.86	11.3	0.03	0.02	3.55	3.56	0.01	0.89	0.91	—	3,048	3,048	0.10	0.09	4.86	3,081
User Defined Industrial	0.29	0.06	5.15	1.80	0.04	0.08	1.22	1.30	0.07	0.33	0.40	—	4,161	4,161	0.20	0.66	3.92	4,367
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	1.57	1.26	6.01	13.1	0.08	0.09	4.77	4.86	0.09	1.22	1.31	—	7,209	7,209	0.30	0.75	8.77	7,448

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	499	499	0.00	0.00	—	499
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	50.2	50.2	0.00	0.00	—	50.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	549	549	0.00	0.00	—	549
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	499	499	0.00	0.00	—	499
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	50.2	50.2	0.00	0.00	—	50.2

Total	—	—	—	—	—	—	—	—	—	—	—	—	549	549	0.00	0.00	—	549
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	82.6	82.6	0.00	0.00	—	82.6
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	8.30	8.30	0.00	0.00	—	8.30
Total	—	—	—	—	—	—	—	—	—	—	—	—	90.9	90.9	0.00	0.00	—	90.9

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.44	2.25	0.12	13.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	56.4	56.4	< 0.005	< 0.005	—	56.6
Total	2.44	9.96	0.12	13.7	< 0.005	0.02	—	0.02	0.02	—	0.02	—	56.4	56.4	< 0.005	< 0.005	—	56.6
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	6.78	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7.71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	1.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22	0.20	0.01	1.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.61	4.61	< 0.005	< 0.005	—	4.62
Total	0.22	1.61	0.01	1.23	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.61	4.61	< 0.005	< 0.005	—	4.62

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	140	73.5	213	14.3	0.34	—	673

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	23.1	12.2	35.3	2.37	0.06	—	111
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	23.1	12.2	35.3	2.37	0.06	—	111

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	160	0.00	160	16.0	0.00	—	559
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	26.5	0.00	26.5	2.64	0.00	—	92.5
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	26.5	0.00	26.5	2.64	0.00	—	92.5

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	5/12/2025	6/6/2025	5.00	20.0	—
Site Preparation	Site Preparation	5/12/2025	6/6/2025	5.00	20.0	—
Grading	Grading	6/9/2025	6/27/2025	5.00	15.0	—
Building Construction	Building Construction	6/30/2025	1/6/2026	5.00	137	—
Paving	Paving	11/14/2025	12/30/2025	5.00	33.0	—
Architectural Coating	Architectural Coating	12/31/2025	2/13/2026	5.00	33.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Interim	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Tier 4 Interim	3.00	8.00	36.0	0.38

Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Tier 4 Interim	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Interim	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	6.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Interim	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Interim	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	11.7	LDA,LDT1,LDT2
Demolition	Vendor	—	8.40	HHDT,MHDT

Demolition	Hauling	321	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	11.7	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.40	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	11.7	LDA,LDT1,LDT2
Grading	Vendor	—	8.40	HHDT,MHDT
Grading	Hauling	20.9	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	132	11.7	LDA,LDT1,LDT2
Building Construction	Vendor	51.7	8.40	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	11.7	LDA,LDT1,LDT2
Paving	Vendor	26.0	8.40	HHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	26.5	11.7	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	8.40	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	473,085	157,695	22,394

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	25,712	—
Site Preparation	0.00	0.00	30.0	0.00	—
Grading	2,511	0.00	45.0	0.00	—
Paving	0.00	0.00	0.00	0.00	8.57

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt

Unrefrigerated Warehouse-No Rail	0.00	0%
User Defined Industrial	0.00	0%
Parking Lot	8.57	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	56.0	0.00	0.00
2026	0.00	56.0	0.00	0.00

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	3,165	3,165	3,165	1,155,203	28,505	28,505	28,505	10,404,206
User Defined Industrial	142	142	142	51,803	7,414	7,414	7,414	2,706,179
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Attachment A				36

0	0.00	473,085	157,695	22,394

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	180

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	3,250,766	56.0	0.0000	0.0000	0.00
User Defined Industrial	0.00	56.0	0.0000	0.0000	0.00
Parking Lot	326,949	56.0	0.0000	0.0000	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	72,933,938	1,400,025
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	296	—
User Defined Industrial	0.00	—
Parking Lot	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

8. User Changes to Default Data

Screen	Justification
Land Use	Site plans and Landscaping Plans
Operations: Vehicle Data	Per TIS - Kimley-Horn ; Passenger Vehicles = 3165 trips/day and Trucks = 142 trips/day Trip Length Conservatively based on distance to the Basin Boundary to the southeastern, eastern and northeastern edge.
Construction: Construction Phases	Schedule provided by Applicant; Building Construction duration given by applicant shorter than CalEEMod Default of 230 days and eqpt doubled to conserver construction intensity in horsepower-hours
Construction: Off-Road Equipment	Committment to use Tier 4 Construction Eqpt
Operations: Fleet Mix	Fleet Mix for Landuse 1 for passenger vehicles. Fleet Mix for Landuse 2 for HHDT Trucks
Operations: Energy Use	Electricity Use to Replace NG from Measure E-15 Calcs for Unrefrigerated Warehouses = 91,148 KWhr/yr - added to Baseline CalEEMod Estimate of 3,159,618 KWhr/year
Construction: Trips and VMT	Trips added for the delivery of Asphalt for Paving
Characteristics: Utility Information	Updated with PG&E 2022 Base Plan Values for CO2e (lb/MWh) = 56
Construction: Electricity	PG&E Base Plan -GHG Emissions Intensity Factor for 2022 (lb CO2e/MWhr)

6756 Central Avenue Warehouse Project
Health Risk Assessment Inputs

Estimation of Annual Onsite Construction Emissions (Project Site) - PM10 Exhaust as DPM

Start of Construction	5/12/2025
End of Construction	2/13/2026
Net Work Days	200
Years	0.75
Total Working Hours	1,600

Construction Year	On-site Construction Activity	On-site PM10E (lbs)
2025	Demolition	4.02
2025	Site Preparation	1.99
2025	Grading	2.73
2025	Building Construction	22.98
2026	Building Construction	0.75
2025	Paving	2.84
2025	Architectural Coating	0.02
2026	Architectural Coating	0.96
Total PM Exhaust (On-site)		**36.29**

AERMod Input	Average (lb/hr)	0.023

6756 Central Avenue Warehouse Project
Health Risk Assessment Inputs

Estimation of Annual Offsite Construction Emissions (Project Site) - PM10 Exhaust

Start of Construction	5/12/2025
End of Construction	2/13/2026
Net Work Days	200
Years	0.75
Total Working Hours	1,600

Construction		**Off-Site Diesel PM10 Exhaust (lbs)**			
Year		**Haul**	**Vendor**	**Worker**	**Total**
2025	Demolition	0.415	-	-	**0.42**
2025	Site Preparation	-	2.530	-	**2.53**
2025	Grading	-	0.082	-	**0.08**
2025	Building Construction	-	-	-	**-**
2026	Building Construction	-	-	-	**-**
2025	Paving	8.499	-	-	**8.50**
2025	Architectural Coating	-	-	-	**-**
2026	Architectural Coating	-	0.495	-	**0.50**
		8.91	3.11		**12.02**

CalEEMod Default Distance (miles)	**20**	**8.4**	**11.7**	**NA**

Vehicle Travel Distances in the Construction HRA (miles)	**Haul**	**Vendor**	**Worker**	
Off-site Road Segment 1	0.60	0.60	0.60	
Off-site Road Segment 2	1.11	1.11	1.11	
Road Segment 3	0.00	0.00	0.00	miles
Distance TOTAL	**1.71**	**1.71**	**1.71**	

Trip Distribution (percent)	**Haul**	**Vendor**	**Worker**
Off-site Road Segment 1	100%	100%	100%
Off-site Road Segment 2	100%	100%	100%
Off-site Road Segment 3	0.0%	0.0%	

(conservatively assume 100 % of vehicles could go on either haul route)

Total DPM in lbs	**Haul**	**Vendor**	**Worker**	**Total (lbs)**
Off-site Road Segment 1	0.2674	0.2219	0	0.4894
Off-site Road Segment 2	0.4947	0.4106	0	0.9053
Road Segment 3	0.0000	0.0000	0	0.0000
	0.7622	**0.6325**	**0**	1.3947

Modeling Input	**Source**	**Haul**	**Vendor**	**Worker**	**Total (lb/hr)**
AERMod Input	**Off-site Road Segment 1**	1.67E-04	1.39E-04	0.00E+00	**3.1E-04**
AERMod Input	**Off-site Road Segment 2**	3.09E-04	2.57E-04	0.00E+00	**5.7E-04**

6756 Central Avenue Warehouse Project
Health Risk Assessment Inputs

Estimation of Annual Onsite Construction Emissions (Project Site) - PM2.5D

Start of Construction	5/12/2025
End of Construction	2/13/2026
Net Work Days	200
Years	0.75
Working Hours	1,600

Emissions in lbs

Year	Activity	On-Site PM2.5D	Demolition Dust	Dust from Material Movement
2025	Demolition	56.89	56.89	0.00
2025	Site Preparation	78.80	0.00	78.80
2025	Grading	21.39	0.00	21.39
2025	Building Construction	-	0.00	0.00
2026	Building Construction	-	0.00	0.00
2025	Paving	-	0.00	0.00
2025	Architectural Coating	-	0.00	0.00
2026	Architectural Coating	-	0.00	0.00
	total	**157.08**	**56.89**	**100.19**

	Total	157.08
AERMOD Input	**Hourly lb/hr**	**0.098**

Note: AERMOD is modeled for a full year at this emission rate

6756 Central Avenue Warehouse Project

Health Risk Assessment Inputs

Offsite Construction Emissions - PM2.5D (Road Dust, Brake Wear and Tire Wear)

Start of Construction	5/12/2025
End of Construction	2/13/2026
Net Work Days	200
Years	0.75
Working Hours	1,600

Construction	**On-site Construction**	**Off-Site PM2.5D**			
Year	**Activity**	**Haul**	**Vendor**	**Worker**	**Total**
2025	Demolition	32.15	-	0.57	**32.72**
2025	Site Preparation	-	-	0.66	**0.66**
2025	Grading	1.57	-	0.57	**2.14**
2025	Building Construction	-	13.09	33.18	**46.27**
2026	Building Construction	-	0.42	1.08	**1.50**
2025	Architectural Coating	-	-	1.58	**1.58**
2026	Architectural Coating	-	-	0.04	**0.04**
2025	Paving	-	1.80	0.94	**2.74**
	Total	33.72	15.32	38.61	**87.64**

CalEEMod Default Distance (miles)	**20**	**8.4**	**11.7**	**NA**

Vehicle Travel Distances in the Construction HRA (miles)	**Haul**	**Vendor**	**Worker**
Road Segment 1	0.60	0.60	0.60
Road Segment 2	1.11	1.11	1.11
Distance Total (mile)	**1.71**	**1.71**	**1.71**

Trip Distribution (percent)	**Haul**	**Vendor**	**Worker**
Off-site Road Segment 1	100%	100%	100%
Off-site Road Segment 2	100%	100%	100%

Maximum Year (Year 1)	**Haul**	**Vendor**	**Worker**	**lbs**
Road Segment 1	1.012	1.094	1.980	4.085
Road Segment 2	1.871	2.024	3.663	7.558
Total	**2.8831**	**3.1178**	**5.6428**	11.6437

Maximum Year Rate (Year 1)	**Haul**	**Vendor**	**Worker**	**lb/hr**
Road Segment 1	6.32E-04	6.84E-04	1.24E-03	2.6E-03
Road Segment 2	1.17E-03	1.26E-03	2.29E-03	4.7E-03

6756 Central Ave Warehouse Project
Modeling Parameters for Construction HRA

Source	Description	Emissions (lb/hr)	Source Type	Size	Units	Emissions Area (g/m2-sec) Line-Volume (g/s)	Initial Source Release Parameters: Release Height m	Initial Lateral Dimension m	Initial Vertical Dimension m
Construction Site - Off-Road Equipment Diesel Exhaust[1]	Project Site - Construction Area	0.0230	Area	71132	m^2	4.07E-08	5	—	1.4
Road Segment 1 - On-Road HHDT Diesel Exhaust	Truck Route - Central Avenue	3.1E-04	Line-Volume	971.7	meters	3.9E-05	3.40	6.98	3.16
Road Segment 2 - On-Road HHDT Diesel Exhaust	Truck Route - Cherry Street	5.7E-04	Line-Volume	1789.4	meters	7.2E-05	3.40	6.98	3.16
Construction Site PM2.5 Fugitive Dust[2]	Project Site - Construction Area	0.098	Area	71132	m^2	1.74E-07	0	—	1
Road Segment 1 - Paved Road Dust - PM2.5	Truck Route - Central Avenue	2.6E-03	Line-Volume	971.7	meters	3.3E-04	3.40	6.98	3.16
Road Segment 2 - Paved Road Dust - PM2.5	Truck Route - Cherry Street	4.7E-03	Line-Volume	1789.4	meters	5.9E-04	3.40	6.98	3.16

1 Construction exhaust modeled as an area source. Release parameters for construction equipment exhaust modeling from SCAQMD (2008) for gaseous exhaust from construction equipment.

2 Construction fugitive dust modeled as an area source. Release parameters for construction equipment exhaust modeling from SCAQMD (2008) for PM dust emissions from construction activities. PM10E conservatively modeled in lieu of PM2.5E for construction sources.

Trucks were modeled as adjacent volume sources following BAAQMD CEQA Guidelines Appendix E (April 2023). Roadway width = physical width plus 3 meters on each side for mixing., Truck Height = 4 meters.

Parameters calculated as per BAAQMD 2022 CEQA Guidelines and US EPA Haul Road Workgroup Final Report released on March 2, 2012 which suggests the use of Adjacent Volume Sources to represent the haul road.

References:

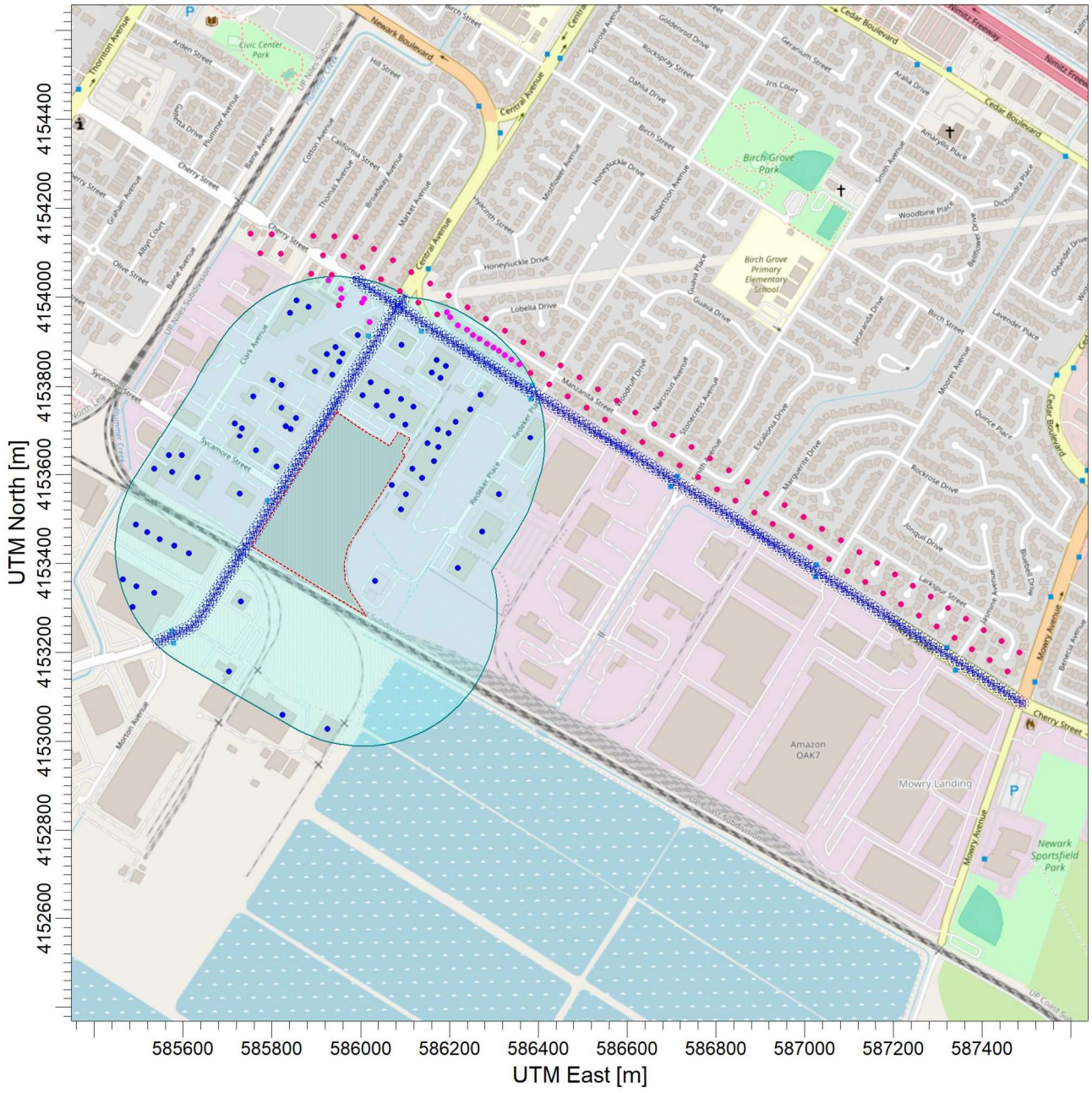
BAAQMD 2022 CEQA Guidelines Appendix E: Table 11 Recommended Volume Source Configuration for Construction Projects
SCAQMD 2008. Final Localized Significance Threshold Methodology Revised July 2008

Notes:

FCS Notes/Review
VH = Vehicle Height
Top of Plume Height -- 1.7 VH
Volume Source Releaase Height -- 0.5 x Top of Plume Height

PROJECT TITLE:

6756 Central Avenue Warehouse Project
Construction HRA - AERMOD Source Receptor Set-up



Source Legend:	Receptor Legend:	Scale : 1:14,394
Site	Residential	0 — 0.5 km
Area Source -----	Non-Residential	
Line-Volume ⊠⊠⊠	Residential Grid	

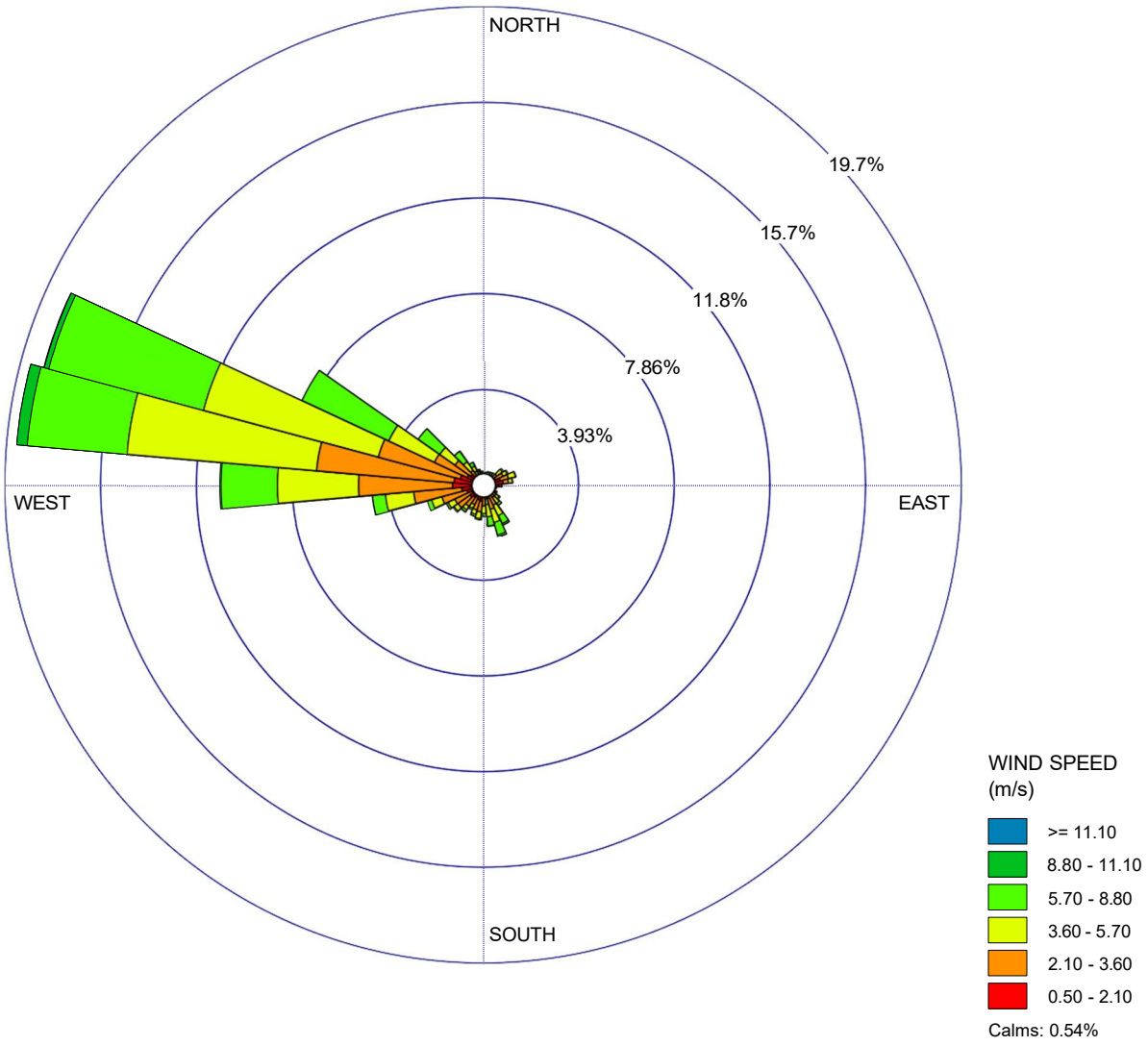
AERMOD View - Lakes Environmental Software

WIND ROSE PLOT:

Hayward Executive Airport (KHWD)
Wind Direction during Construction Hours

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:

Wind Rose is generated just for the hours with emissions when construction would occur or from 8 AM – 5 PM. This corresponds to the modeling hours in AERMOD.

DATA PERIOD:

Start Date: 1/1/2013 - 08:00
End Date: 12/31/2017 - 17:00

CALM WINDS:

0.54%

AVG. WIND SPEED:

4.03 m/s

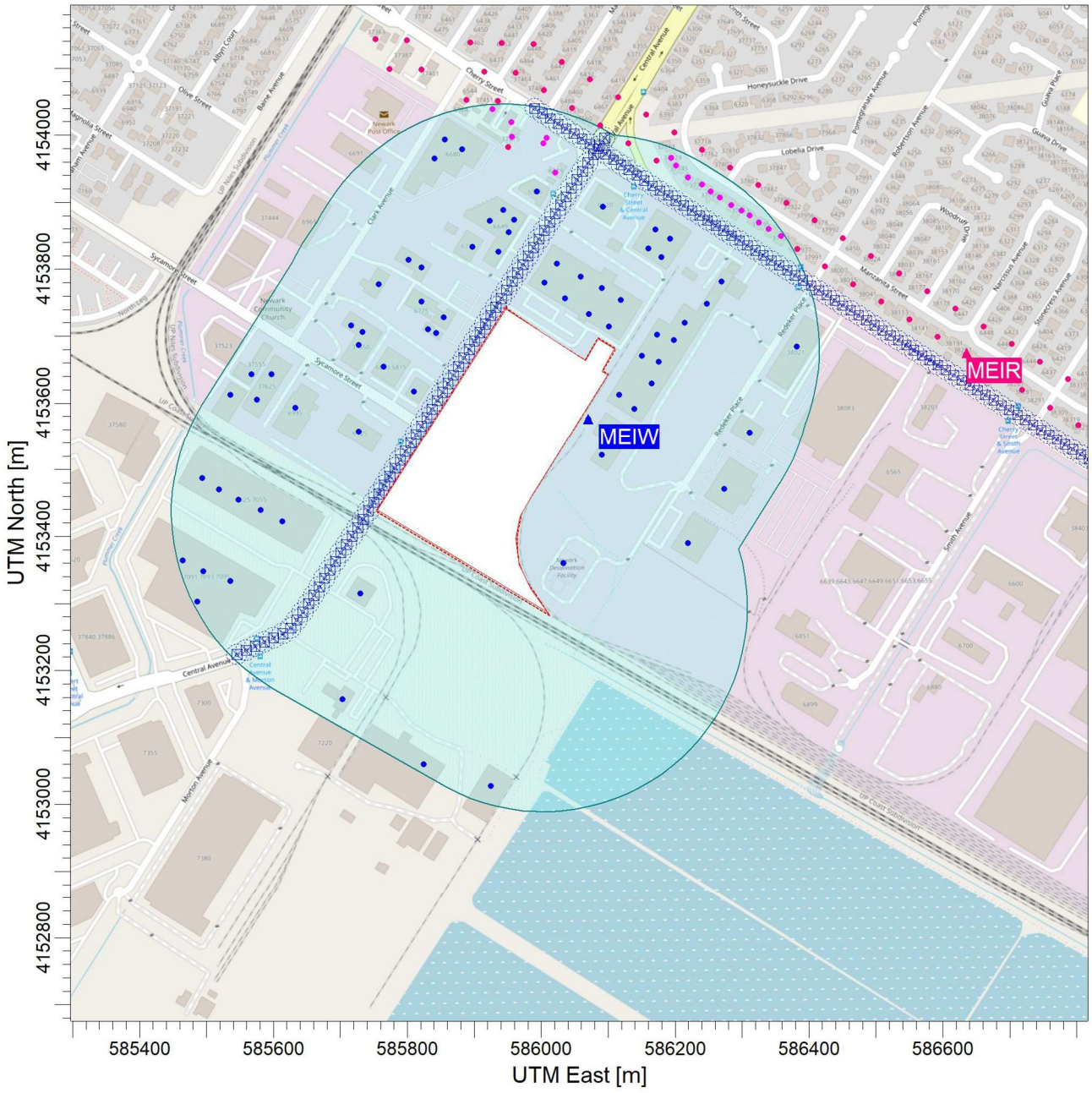
How to Read a Wind Rose Diagram

The wind rose above shows the general wind direction and speed for the meteorological data set used in the AERMOD modeling for the project.'

The circular format of the wind rose shows the direction the winds blew from and the length of each "spoke" around the circle shows how often the wind blew from that direction.

PROJECT TITLE:

6756 Central Avenue Warehouse Project
Construction HRA – AERMOD Source - Receptors



Source Legend:	Receptor Legend:	SCALE: 1:9,554
Area Source -----	Residential	0 0.3 km
Line-Volume ☒☒☒	Non-Residential	MEIR = Maximally Exposed Individual Residential
	Grid - Resident	MEIW = Maximally Exposed Individual Worker

AERMOD View - Lakes Environmental Software

Control Pathway

AERMOD

Dispersion Options

Titles

Newark Central Avenue Warehouse Project
Construction HRA - PM10 and PM2.5 (Total)

Dispersion Options

☑ Regulatory Default ☐ Non-Default Options

Dispersion Coefficient

Urban — Population:
Name (Optional):
Roughness Length:

Output Type

☑ Concentration
☐ Total Deposition (Dry & Wet)
☐ Dry Deposition
☐ Wet Deposition

Plume Depletion

☐ Dry Removal
☐ Wet Removal

Output Warnings

☐ No Output Warnings
☐ Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

PM10

Averaging Time Options

Hours: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24

☐ Month ☑ Period ☐ Annual

Exponential Decay

Half-life of 4 hrs will be used

Terrain Height Options

☐ Flat ☑ Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

☐ Yes ☑ No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: ConHRA.err

Source Pathway - Source Inputs

AERMOD

Source Pathway - Source Inputs

AERMOD

Polygon Area Sources

Source Type: AREA POLY

Source: SITE_DPM (Proposed Project Site - Construction Area PM10 Exhaust)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
6.17	5.00	4.07E-8	1.40	13	585946.24	4153742.68
		4.07E-8			586002.98	4153703.42
		4.07E-8			586065.67	4153664.23
		4.07E-8			586085.09	4153697.66
		4.07E-8			586111.21	4153681.66
		4.07E-8			586091.64	4153648.17
		4.07E-8			586100.01	4153643.18
		4.07E-8			585971.44	4153437.80
		4.07E-8			585963.09	4153399.23
		4.07E-8			585965.72	4153362.28
		4.07E-8			585977.40	4153335.29
		4.07E-8			586013.06	4153281.99
		4.07E-8			585752.72	4153438.26

Source Pathway - Source Inputs

AERMOD

Source Type: AREA POLY
Source: SITE_PM25D (Proposed Project Site - Construction Area PM2.5 Dust Only)

Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m^2)]	Initial Vertical Dim. [m]	Number of Vertices (or sides)	X Coordinate for Vertices [m]	Y Coordinate for Vertices [m]
6.17	0.00	1.74E-7	1.00	13	585946.24	4153742.68
		1.74E-7			586002.98	4153703.42
		1.74E-7			586065.67	4153664.23
		1.74E-7			586085.09	4153697.66
		1.74E-7			586111.21	4153681.66
		1.74E-7			586091.64	4153648.17
		1.74E-7			586100.01	4153643.18
		1.74E-7			585971.44	4153437.80
		1.74E-7			585963.09	4153399.23
		1.74E-7			585965.72	4153362.28
		1.74E-7			585977.40	4153335.29
		1.74E-7			586013.06	4153281.99
		1.74E-7			585752.72	4153438.26

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME

Source: ROAD1_DPM (Central Avenue - PM10/2.5 Exhaust)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
15.00	0.00004		586098.77	4154002.13	6.91	3.40
			586054.64	4153935.38	6.72	3.40
			586000.47	4153851.25	6.40	3.40
			585884.06	4153666.83	5.87	3.40
			585728.46	4153416.72	6.26	3.40
			585697.34	4153370.62	5.60	3.40
			585675.44	4153336.04	5.35	3.40
			585647.78	4153292.24	5.13	3.40
			585622.42	4153258.82	4.91	3.40
			585541.68	4153222.13	4.64	3.40

Source Type: LINE VOLUME

Source: ROAD1_PM25D (Central Avenue - PM2,5 Road Dust, Brake Wear, Tire Wear)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
15.00	0.00033		586098.77	4154002.13	6.91	3.40
			586054.64	4153935.38	6.72	3.40
			586000.47	4153851.25	6.40	3.40
			585884.06	4153666.83	5.87	3.40
			585728.46	4153416.72	6.26	3.40
			585697.34	4153370.62	5.60	3.40
			585675.44	4153336.04	5.35	3.40
			585647.78	4153292.24	5.13	3.40
			585622.42	4153258.82	4.91	3.40
			585541.68	4153222.13	4.64	3.40

Source Pathway - Source Inputs

AERMOD

Source Type: LINE VOLUME
Source: ROAD2_DPM (Cherry Street - PM2.5 Road Dust, Brake Wear, Tire Wear)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
14.00	0.00007		585984.33	4154043.73	6.83	0.00
			586017.76	4154021.83	6.70	0.00
			586077.69	4153983.79	6.86	0.00
			586156.07	4153930.77	6.86	0.00
			586665.27	4153611.02	6.80	0.00
			586685.64	4153598.23	6.97	0.00
			586833.17	4153505.60	6.86	0.00
			587349.97	4153175.08	6.90	0.00
			587493.93	4153083.02	6.60	0.00

Source Type: LINE VOLUME
Source: ROAD2_PM25D (Cherry Street)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
14.00	0.00592	Surface-Based	585984.33	4154043.73	6.83	0.00
			586017.76	4154021.83	6.70	0.00
			586077.69	4153983.79	6.86	0.00
			586156.07	4153930.77	6.86	0.00
			586665.27	4153611.02	6.80	0.00
			586685.64	4153598.23	6.97	0.00
			586833.17	4153505.60	6.86	0.00
			587349.97	4153175.08	6.90	0.00
			587493.93	4153083.02	6.60	0.00

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_DPM	L0003031	586094.64	4153995.88	6.93	3.40	6.01E-7	15.00		6.98	3.16
	L0003032	586086.36	4153983.36	6.91	3.40	6.01E-7	15.00		6.98	3.16
	L0003033	586078.09	4153970.85	6.81	3.40	6.01E-7	15.00		6.98	3.16
	L0003034	586069.82	4153958.34	6.78	3.40	6.01E-7	15.00		6.98	3.16
	L0003035	586061.54	4153945.83	6.76	3.40	6.01E-7	15.00		6.98	3.16
	L0003036	586053.30	4153933.30	6.69	3.40	6.01E-7	15.00		6.98	3.16
	L0003037	586045.18	4153920.69	6.65	3.40	6.01E-7	15.00		6.98	3.16
	L0003038	586037.06	4153908.07	6.64	3.40	6.01E-7	15.00		6.98	3.16
	L0003039	586028.94	4153895.46	6.55	3.40	6.01E-7	15.00		6.98	3.16
	L0003040	586020.82	4153882.85	6.44	3.40	6.01E-7	15.00		6.98	3.16
	L0003041	586012.70	4153870.24	6.36	3.40	6.01E-7	15.00		6.98	3.16
	L0003042	586004.58	4153857.63	6.37	3.40	6.01E-7	15.00		6.98	3.16
	L0003043	585996.51	4153844.98	6.43	3.40	6.01E-7	15.00		6.98	3.16
	L0003044	585988.50	4153832.29	6.48	3.40	6.01E-7	15.00		6.98	3.16
	L0003045	585980.50	4153819.61	6.48	3.40	6.01E-7	15.00		6.98	3.16
	L0003046	585972.49	4153806.93	6.46	3.40	6.01E-7	15.00		6.98	3.16
	L0003047	585964.48	4153794.24	6.41	3.40	6.01E-7	15.00		6.98	3.16
	L0003048	585956.48	4153781.56	6.35	3.40	6.01E-7	15.00		6.98	3.16
	L0003049	585948.47	4153768.87	6.28	3.40	6.01E-7	15.00		6.98	3.16
	L0003050	585940.46	4153756.19	6.20	3.40	6.01E-7	15.00		6.98	3.16
	L0003051	585932.46	4153743.50	6.14	3.40	6.01E-7	15.00		6.98	3.16
	L0003052	585924.45	4153730.82	6.09	3.40	6.01E-7	15.00		6.98	3.16
	L0003053	585916.44	4153718.14	6.03	3.40	6.01E-7	15.00		6.98	3.16
	L0003054	585908.44	4153705.45	5.98	3.40	6.01E-7	15.00		6.98	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_DPM	L0003055	585900.43	4153692.77	5.94	3.40	6.01E-7	15.00		6.98	3.16
	L0003056	585892.42	4153680.08	5.89	3.40	6.01E-7	15.00		6.98	3.16
	L0003057	585884.41	4153667.40	5.86	3.40	6.01E-7	15.00		6.98	3.16
	L0003058	585876.49	4153654.67	5.87	3.40	6.01E-7	15.00		6.98	3.16
	L0003059	585868.56	4153641.93	5.94	3.40	6.01E-7	15.00		6.98	3.16
	L0003060	585860.64	4153629.19	5.98	3.40	6.01E-7	15.00		6.98	3.16
	L0003061	585852.72	4153616.46	5.96	3.40	6.01E-7	15.00		6.98	3.16
	L0003062	585844.79	4153603.72	5.90	3.40	6.01E-7	15.00		6.98	3.16
	L0003063	585836.87	4153590.98	5.82	3.40	6.01E-7	15.00		6.98	3.16
	L0003064	585828.95	4153578.25	5.79	3.40	6.01E-7	15.00		6.98	3.16
	L0003065	585821.02	4153565.51	5.78	3.40	6.01E-7	15.00		6.98	3.16
	L0003066	585813.10	4153552.77	5.71	3.40	6.01E-7	15.00		6.98	3.16
	L0003067	585805.18	4153540.04	5.66	3.40	6.01E-7	15.00		6.98	3.16
	L0003068	585797.25	4153527.30	5.65	3.40	6.01E-7	15.00		6.98	3.16
	L0003069	585789.33	4153514.56	5.69	3.40	6.01E-7	15.00		6.98	3.16
	L0003070	585781.40	4153501.83	5.76	3.40	6.01E-7	15.00		6.98	3.16
	L0003071	585773.48	4153489.09	5.82	3.40	6.01E-7	15.00		6.98	3.16
	L0003072	585765.56	4153476.36	5.89	3.40	6.01E-7	15.00		6.98	3.16
	L0003073	585757.63	4153463.62	5.98	3.40	6.01E-7	15.00		6.98	3.16
	L0003074	585749.71	4153450.88	6.16	3.40	6.01E-7	15.00		6.98	3.16
	L0003075	585741.79	4153438.15	6.30	3.40	6.01E-7	15.00		6.98	3.16
	L0003076	585733.86	4153425.41	6.33	3.40	6.01E-7	15.00		6.98	3.16
	L0003077	585725.79	4153412.77	6.15	3.40	6.01E-7	15.00		6.98	3.16
	L0003078	585717.40	4153400.34	5.81	3.40	6.01E-7	15.00		6.98	3.16
	L0003079	585709.01	4153387.90	5.64	3.40	6.01E-7	15.00		6.98	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_DPM	L0003080	585700.61	4153375.47	5.55	3.40	6.01E-7	15.00		6.98	3.16
	L0003081	585692.45	4153362.89	5.48	3.40	6.01E-7	15.00		6.98	3.16
	L0003082	585684.42	4153350.22	5.42	3.40	6.01E-7	15.00		6.98	3.16
	L0003083	585676.39	4153337.55	5.35	3.40	6.01E-7	15.00		6.98	3.16
	L0003084	585668.38	4153324.87	5.30	3.40	6.01E-7	15.00		6.98	3.16
	L0003085	585660.37	4153312.18	5.22	3.40	6.01E-7	15.00		6.98	3.16
	L0003086	585652.36	4153299.50	5.15	3.40	6.01E-7	15.00		6.98	3.16
	L0003087	585643.90	4153287.13	5.09	3.40	6.01E-7	15.00		6.98	3.16
	L0003088	585634.83	4153275.18	4.99	3.40	6.01E-7	15.00		6.98	3.16
	L0003089	585625.77	4153263.23	4.90	3.40	6.01E-7	15.00		6.98	3.16
	L0003090	585613.81	4153254.91	4.87	3.40	6.01E-7	15.00		6.98	3.16
	L0003091	585600.15	4153248.70	4.81	3.40	6.01E-7	15.00		6.98	3.16
	L0003092	585586.50	4153242.49	4.76	3.40	6.01E-7	15.00		6.98	3.16
	L0003093	585572.84	4153236.29	4.74	3.40	6.01E-7	15.00		6.98	3.16
	L0003094	585559.18	4153230.08	4.66	3.40	6.01E-7	15.00		6.98	3.16
	L0003095	585545.53	4153223.88	4.69	3.40	6.01E-7	15.00		6.98	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0003096	585990.19	4154039.89	6.80	0.00	5.61E-7	14.00		6.51	3.16
	L0003097	586001.90	4154032.22	6.75	0.00	5.61E-7	14.00		6.51	3.16
	L0003098	586013.61	4154024.55	6.72	0.00	5.61E-7	14.00		6.51	3.16
	L0003099	586025.39	4154016.98	6.71	0.00	5.61E-7	14.00		6.51	3.16
	L0003100	586037.21	4154009.48	6.72	0.00	5.61E-7	14.00		6.51	3.16
	L0003101	586049.03	4154001.98	6.77	0.00	5.61E-7	14.00		6.51	3.16
	L0003102	586060.85	4153994.48	6.83	0.00	5.61E-7	14.00		6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0003103	586072.67	4153986.98	6.86	0.00	5.61E-7	14.00		6.51	3.16
	L0003104	586084.36	4153979.28	6.88	0.00	5.61E-7	14.00		6.51	3.16
	L0003105	586095.96	4153971.43	6.83	0.00	5.61E-7	14.00		6.51	3.16
	L0003106	586107.56	4153963.59	6.79	0.00	5.61E-7	14.00		6.51	3.16
	L0003107	586119.15	4153955.75	6.76	0.00	5.61E-7	14.00		6.51	3.16
	L0003108	586130.75	4153947.90	6.77	0.00	5.61E-7	14.00		6.51	3.16
	L0003109	586142.34	4153940.06	6.80	0.00	5.61E-7	14.00		6.51	3.16
	L0003110	586153.94	4153932.21	6.88	0.00	5.61E-7	14.00		6.51	3.16
	L0003111	586165.75	4153924.69	6.90	0.00	5.61E-7	14.00		6.51	3.16
	L0003112	586177.60	4153917.25	6.93	0.00	5.61E-7	14.00		6.51	3.16
	L0003113	586189.46	4153909.80	7.00	0.00	5.61E-7	14.00		6.51	3.16
	L0003114	586201.32	4153902.36	7.04	0.00	5.61E-7	14.00		6.51	3.16
	L0003115	586213.17	4153894.91	7.04	0.00	5.61E-7	14.00		6.51	3.16
	L0003116	586225.03	4153887.47	7.01	0.00	5.61E-7	14.00		6.51	3.16
	L0003117	586236.89	4153880.02	6.97	0.00	5.61E-7	14.00		6.51	3.16
	L0003118	586248.74	4153872.58	6.96	0.00	5.61E-7	14.00		6.51	3.16
	L0003119	586260.60	4153865.13	6.90	0.00	5.61E-7	14.00		6.51	3.16
	L0003120	586272.45	4153857.69	6.87	0.00	5.61E-7	14.00		6.51	3.16
	L0003121	586284.31	4153850.24	6.85	0.00	5.61E-7	14.00		6.51	3.16
	L0003122	586296.17	4153842.80	6.80	0.00	5.61E-7	14.00		6.51	3.16
	L0003123	586308.02	4153835.35	6.76	0.00	5.61E-7	14.00		6.51	3.16
	L0003124	586319.88	4153827.91	6.74	0.00	5.61E-7	14.00		6.51	3.16
	L0003125	586331.74	4153820.46	6.73	0.00	5.61E-7	14.00		6.51	3.16
	L0003126	586343.59	4153813.02	6.69	0.00	5.61E-7	14.00		6.51	3.16
	L0003127	586355.45	4153805.57	6.66	0.00	5.61E-7	14.00		6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0003128	586367.30	4153798.13	6.64	0.00	5.61E-7	14.00		6.51	3.16
	L0003129	586379.16	4153790.68	6.65	0.00	5.61E-7	14.00		6.51	3.16
	L0003130	586391.02	4153783.24	6.70	0.00	5.61E-7	14.00		6.51	3.16
	L0003131	586402.87	4153775.79	6.88	0.00	5.61E-7	14.00		6.51	3.16
	L0003132	586414.73	4153768.35	6.92	0.00	5.61E-7	14.00		6.51	3.16
	L0003133	586426.59	4153760.90	6.90	0.00	5.61E-7	14.00		6.51	3.16
	L0003134	586438.44	4153753.46	6.85	0.00	5.61E-7	14.00		6.51	3.16
	L0003135	586450.30	4153746.01	6.76	0.00	5.61E-7	14.00		6.51	3.16
	L0003136	586462.16	4153738.57	6.74	0.00	5.61E-7	14.00		6.51	3.16
	L0003137	586474.01	4153731.12	6.79	0.00	5.61E-7	14.00		6.51	3.16
	L0003138	586485.87	4153723.68	6.71	0.00	5.61E-7	14.00		6.51	3.16
	L0003139	586497.72	4153716.23	6.68	0.00	5.61E-7	14.00		6.51	3.16
	L0003140	586509.58	4153708.79	6.71	0.00	5.61E-7	14.00		6.51	3.16
	L0003141	586521.44	4153701.34	6.74	0.00	5.61E-7	14.00		6.51	3.16
	L0003142	586533.29	4153693.90	6.71	0.00	5.61E-7	14.00		6.51	3.16
	L0003143	586545.15	4153686.45	6.68	0.00	5.61E-7	14.00		6.51	3.16
	L0003144	586557.01	4153679.01	6.63	0.00	5.61E-7	14.00		6.51	3.16
	L0003145	586568.86	4153671.56	6.59	0.00	5.61E-7	14.00		6.51	3.16
	L0003146	586580.72	4153664.12	6.56	0.00	5.61E-7	14.00		6.51	3.16
	L0003147	586592.57	4153656.67	6.53	0.00	5.61E-7	14.00		6.51	3.16
	L0003148	586604.43	4153649.23	6.58	0.00	5.61E-7	14.00		6.51	3.16
	L0003149	586616.29	4153641.78	6.61	0.00	5.61E-7	14.00		6.51	3.16
	L0003150	586628.14	4153634.34	6.63	0.00	5.61E-7	14.00		6.51	3.16
	L0003151	586640.00	4153626.89	6.67	0.00	5.61E-7	14.00		6.51	3.16
	L0003152	586651.86	4153619.45	6.76	0.00	5.61E-7	14.00		6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0003153	586663.71	4153612.00	6.80	0.00	5.61E-7	14.00		6.51	3.16
	L0003154	586675.57	4153604.56	6.85	0.00	5.61E-7	14.00		6.51	3.16
	L0003155	586687.42	4153597.11	6.93	0.00	5.61E-7	14.00		6.51	3.16
	L0003156	586699.28	4153589.67	6.99	0.00	5.61E-7	14.00		6.51	3.16
	L0003157	586711.14	4153582.22	7.07	0.00	5.61E-7	14.00		6.51	3.16
	L0003158	586722.99	4153574.78	7.19	0.00	5.61E-7	14.00		6.51	3.16
	L0003159	586734.85	4153567.33	7.27	0.00	5.61E-7	14.00		6.51	3.16
	L0003160	586746.71	4153559.89	7.29	0.00	5.61E-7	14.00		6.51	3.16
	L0003161	586758.56	4153552.44	7.27	0.00	5.61E-7	14.00		6.51	3.16
	L0003162	586770.42	4153545.00	7.20	0.00	5.61E-7	14.00		6.51	3.16
	L0003163	586782.28	4153537.55	7.15	0.00	5.61E-7	14.00		6.51	3.16
	L0003164	586794.13	4153530.11	7.12	0.00	5.61E-7	14.00		6.51	3.16
	L0003165	586805.99	4153522.66	7.11	0.00	5.61E-7	14.00		6.51	3.16
	L0003166	586817.84	4153515.22	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003167	586829.70	4153507.77	7.01	0.00	5.61E-7	14.00		6.51	3.16
	L0003168	586841.51	4153500.26	6.92	0.00	5.61E-7	14.00		6.51	3.16
	L0003169	586853.31	4153492.72	7.02	0.00	5.61E-7	14.00		6.51	3.16
	L0003170	586865.10	4153485.17	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003171	586876.90	4153477.63	7.13	0.00	5.61E-7	14.00		6.51	3.16
	L0003172	586888.69	4153470.09	7.14	0.00	5.61E-7	14.00		6.51	3.16
	L0003173	586900.48	4153462.55	7.16	0.00	5.61E-7	14.00		6.51	3.16
	L0003174	586912.28	4153455.00	7.18	0.00	5.61E-7	14.00		6.51	3.16
	L0003175	586924.07	4153447.46	7.25	0.00	5.61E-7	14.00		6.51	3.16
	L0003176	586935.87	4153439.92	7.26	0.00	5.61E-7	14.00		6.51	3.16
	L0003177	586947.66	4153432.37	7.22	0.00	5.61E-7	14.00		6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0003178	586959.46	4153424.83	7.19	0.00	5.61E-7	14.00		6.51	3.16
	L0003179	586971.25	4153417.29	7.18	0.00	5.61E-7	14.00		6.51	3.16
	L0003180	586983.04	4153409.75	7.13	0.00	5.61E-7	14.00		6.51	3.16
	L0003181	586994.84	4153402.20	7.07	0.00	5.61E-7	14.00		6.51	3.16
	L0003182	587006.63	4153394.66	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003183	587018.43	4153387.12	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003184	587030.22	4153379.57	7.03	0.00	5.61E-7	14.00		6.51	3.16
	L0003185	587042.02	4153372.03	7.03	0.00	5.61E-7	14.00		6.51	3.16
	L0003186	587053.81	4153364.49	7.04	0.00	5.61E-7	14.00		6.51	3.16
	L0003187	587065.60	4153356.95	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003188	587077.40	4153349.40	7.02	0.00	5.61E-7	14.00		6.51	3.16
	L0003189	587089.19	4153341.86	6.95	0.00	5.61E-7	14.00		6.51	3.16
	L0003190	587100.99	4153334.32	6.96	0.00	5.61E-7	14.00		6.51	3.16
	L0003191	587112.78	4153326.77	7.01	0.00	5.61E-7	14.00		6.51	3.16
	L0003192	587124.58	4153319.23	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003193	587136.37	4153311.69	7.05	0.00	5.61E-7	14.00		6.51	3.16
	L0003194	587148.16	4153304.15	7.11	0.00	5.61E-7	14.00		6.51	3.16
	L0003195	587159.96	4153296.60	7.14	0.00	5.61E-7	14.00		6.51	3.16
	L0003196	587171.75	4153289.06	7.14	0.00	5.61E-7	14.00		6.51	3.16
	L0003197	587183.55	4153281.52	7.08	0.00	5.61E-7	14.00		6.51	3.16
	L0003198	587195.34	4153273.97	7.08	0.00	5.61E-7	14.00		6.51	3.16
	L0003199	587207.14	4153266.43	7.09	0.00	5.61E-7	14.00		6.51	3.16
	L0003200	587218.93	4153258.89	7.04	0.00	5.61E-7	14.00		6.51	3.16
	L0003201	587230.72	4153251.35	7.00	0.00	5.61E-7	14.00		6.51	3.16
	L0003202	587242.52	4153243.80	6.98	0.00	5.61E-7	14.00		6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_DPM	L0003203	587254.31	4153236.26	6.99	0.00	5.61E-7	14.00		6.51	3.16
	L0003204	587266.11	4153228.72	7.01	0.00	5.61E-7	14.00		6.51	3.16
	L0003205	587277.90	4153221.17	6.98	0.00	5.61E-7	14.00		6.51	3.16
	L0003206	587289.70	4153213.63	6.93	0.00	5.61E-7	14.00		6.51	3.16
	L0003207	587301.49	4153206.09	6.83	0.00	5.61E-7	14.00		6.51	3.16
	L0003208	587313.28	4153198.55	6.80	0.00	5.61E-7	14.00		6.51	3.16
	L0003209	587325.08	4153191.00	6.79	0.00	5.61E-7	14.00		6.51	3.16
	L0003210	587336.87	4153183.46	6.84	0.00	5.61E-7	14.00		6.51	3.16
	L0003211	587348.67	4153175.92	6.87	0.00	5.61E-7	14.00		6.51	3.16
	L0003212	587360.46	4153168.37	6.86	0.00	5.61E-7	14.00		6.51	3.16
	L0003213	587372.26	4153160.83	6.81	0.00	5.61E-7	14.00		6.51	3.16
	L0003214	587384.05	4153153.29	6.84	0.00	5.61E-7	14.00		6.51	3.16
	L0003215	587395.84	4153145.75	6.88	0.00	5.61E-7	14.00		6.51	3.16
	L0003216	587407.64	4153138.20	6.73	0.00	5.61E-7	14.00		6.51	3.16
	L0003217	587419.43	4153130.66	6.63	0.00	5.61E-7	14.00		6.51	3.16
	L0003218	587431.23	4153123.12	6.57	0.00	5.61E-7	14.00		6.51	3.16
	L0003219	587443.02	4153115.57	6.54	0.00	5.61E-7	14.00		6.51	3.16
	L0003220	587454.82	4153108.03	6.48	0.00	5.61E-7	14.00		6.51	3.16
	L0003221	587466.61	4153100.49	6.43	0.00	5.61E-7	14.00		6.51	3.16
	L0003222	587478.40	4153092.95	6.46	0.00	5.61E-7	14.00		6.51	3.16
	L0003223	587490.20	4153085.40	6.57	0.00	5.61E-7	14.00		6.51	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25D	L0003224	586094.64	4153995.88	6.93	3.40	5.04E-6	15.00		6.98	3.16
	L0003225	586086.36	4153983.36	6.91	3.40	5.04E-6	15.00		6.98	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25D	L0003226	586078.09	4153970.85	6.81	3.40	5.04E-6	15.00		6.98	3.16
	L0003227	586069.82	4153958.34	6.78	3.40	5.04E-6	15.00		6.98	3.16
	L0003228	586061.54	4153945.83	6.76	3.40	5.04E-6	15.00		6.98	3.16
	L0003229	586053.30	4153933.30	6.69	3.40	5.04E-6	15.00		6.98	3.16
	L0003230	586045.18	4153920.69	6.65	3.40	5.04E-6	15.00		6.98	3.16
	L0003231	586037.06	4153908.07	6.64	3.40	5.04E-6	15.00		6.98	3.16
	L0003232	586028.94	4153895.46	6.55	3.40	5.04E-6	15.00		6.98	3.16
	L0003233	586020.82	4153882.85	6.44	3.40	5.04E-6	15.00		6.98	3.16
	L0003234	586012.70	4153870.24	6.36	3.40	5.04E-6	15.00		6.98	3.16
	L0003235	586004.58	4153857.63	6.37	3.40	5.04E-6	15.00		6.98	3.16
	L0003236	585996.51	4153844.98	6.43	3.40	5.04E-6	15.00		6.98	3.16
	L0003237	585988.50	4153832.29	6.48	3.40	5.04E-6	15.00		6.98	3.16
	L0003238	585980.50	4153819.61	6.48	3.40	5.04E-6	15.00		6.98	3.16
	L0003239	585972.49	4153806.93	6.46	3.40	5.04E-6	15.00		6.98	3.16
	L0003240	585964.48	4153794.24	6.41	3.40	5.04E-6	15.00		6.98	3.16
	L0003241	585956.48	4153781.56	6.35	3.40	5.04E-6	15.00		6.98	3.16
	L0003242	585948.47	4153768.87	6.28	3.40	5.04E-6	15.00		6.98	3.16
	L0003243	585940.46	4153756.19	6.20	3.40	5.04E-6	15.00		6.98	3.16
	L0003244	585932.46	4153743.50	6.14	3.40	5.04E-6	15.00		6.98	3.16
	L0003245	585924.45	4153730.82	6.09	3.40	5.04E-6	15.00		6.98	3.16
	L0003246	585916.44	4153718.14	6.03	3.40	5.04E-6	15.00		6.98	3.16
	L0003247	585908.44	4153705.45	5.98	3.40	5.04E-6	15.00		6.98	3.16
	L0003248	585900.43	4153692.77	5.94	3.40	5.04E-6	15.00		6.98	3.16
	L0003249	585892.42	4153680.08	5.89	3.40	5.04E-6	15.00		6.98	3.16
	L0003250	585884.41	4153667.40	5.86	3.40	5.04E-6	15.00		6.98	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25D	L0003251	585876.49	4153654.67	5.87	3.40	5.04E-6	15.00		6.98	3.16
	L0003252	585868.56	4153641.93	5.94	3.40	5.04E-6	15.00		6.98	3.16
	L0003253	585860.64	4153629.19	5.98	3.40	5.04E-6	15.00		6.98	3.16
	L0003254	585852.72	4153616.46	5.96	3.40	5.04E-6	15.00		6.98	3.16
	L0003255	585844.79	4153603.72	5.90	3.40	5.04E-6	15.00		6.98	3.16
	L0003256	585836.87	4153590.98	5.82	3.40	5.04E-6	15.00		6.98	3.16
	L0003257	585828.95	4153578.25	5.79	3.40	5.04E-6	15.00		6.98	3.16
	L0003258	585821.02	4153565.51	5.78	3.40	5.04E-6	15.00		6.98	3.16
	L0003259	585813.10	4153552.77	5.71	3.40	5.04E-6	15.00		6.98	3.16
	L0003260	585805.18	4153540.04	5.66	3.40	5.04E-6	15.00		6.98	3.16
	L0003261	585797.25	4153527.30	5.65	3.40	5.04E-6	15.00		6.98	3.16
	L0003262	585789.33	4153514.56	5.69	3.40	5.04E-6	15.00		6.98	3.16
	L0003263	585781.40	4153501.83	5.76	3.40	5.04E-6	15.00		6.98	3.16
	L0003264	585773.48	4153489.09	5.82	3.40	5.04E-6	15.00		6.98	3.16
	L0003265	585765.56	4153476.36	5.89	3.40	5.04E-6	15.00		6.98	3.16
	L0003266	585757.63	4153463.62	5.98	3.40	5.04E-6	15.00		6.98	3.16
	L0003267	585749.71	4153450.88	6.16	3.40	5.04E-6	15.00		6.98	3.16
	L0003268	585741.79	4153438.15	6.30	3.40	5.04E-6	15.00		6.98	3.16
	L0003269	585733.86	4153425.41	6.33	3.40	5.04E-6	15.00		6.98	3.16
	L0003270	585725.79	4153412.77	6.15	3.40	5.04E-6	15.00		6.98	3.16
	L0003271	585717.40	4153400.34	5.81	3.40	5.04E-6	15.00		6.98	3.16
	L0003272	585709.01	4153387.90	5.64	3.40	5.04E-6	15.00		6.98	3.16
	L0003273	585700.61	4153375.47	5.55	3.40	5.04E-6	15.00		6.98	3.16
	L0003274	585692.45	4153362.89	5.48	3.40	5.04E-6	15.00		6.98	3.16
	L0003275	585684.42	4153350.22	5.42	3.40	5.04E-6	15.00		6.98	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD1_PM25D	L0003276	585676.39	4153337.55	5.35	3.40	5.04E-6	15.00		6.98	3.16
	L0003277	585668.38	4153324.87	5.30	3.40	5.04E-6	15.00		6.98	3.16
	L0003278	585660.37	4153312.18	5.22	3.40	5.04E-6	15.00		6.98	3.16
	L0003279	585652.36	4153299.50	5.15	3.40	5.04E-6	15.00		6.98	3.16
	L0003280	585643.90	4153287.13	5.09	3.40	5.04E-6	15.00		6.98	3.16
	L0003281	585634.83	4153275.18	4.99	3.40	5.04E-6	15.00		6.98	3.16
	L0003282	585625.77	4153263.23	4.90	3.40	5.04E-6	15.00		6.98	3.16
	L0003283	585613.81	4153254.91	4.87	3.40	5.04E-6	15.00		6.98	3.16
	L0003284	585600.15	4153248.70	4.81	3.40	5.04E-6	15.00		6.98	3.16
	L0003285	585586.50	4153242.49	4.76	3.40	5.04E-6	15.00		6.98	3.16
	L0003286	585572.84	4153236.29	4.74	3.40	5.04E-6	15.00		6.98	3.16
	L0003287	585559.18	4153230.08	4.66	3.40	5.04E-6	15.00		6.98	3.16
	L0003288	585545.53	4153223.88	4.69	3.40	5.04E-6	15.00		6.98	3.16

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25D	L0003289	585990.19	4154039.89	6.80	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003290	586001.90	4154032.22	6.75	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003291	586013.61	4154024.55	6.72	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003292	586025.39	4154016.99	6.71	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003293	586037.21	4154009.49	6.72	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003294	586049.03	4154001.98	6.77	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003295	586060.85	4153994.48	6.83	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003296	586072.67	4153986.98	6.86	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003297	586084.36	4153979.28	6.88	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003298	586095.96	4153971.43	6.83	0.00	0.00005	14.00	Surface-Based	6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25D	L0003299	586107.55	4153963.59	6.79	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003300	586119.15	4153955.75	6.76	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003301	586130.74	4153947.90	6.77	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003302	586142.34	4153940.06	6.80	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003303	586153.94	4153932.21	6.88	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003304	586165.74	4153924.70	6.90	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003305	586177.60	4153917.25	6.93	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003306	586189.46	4153909.80	7.00	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003307	586201.31	4153902.36	7.04	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003308	586213.17	4153894.91	7.04	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003309	586225.03	4153887.47	7.01	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003310	586236.88	4153880.02	6.97	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003311	586248.74	4153872.58	6.96	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003312	586260.59	4153865.13	6.90	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003313	586272.45	4153857.69	6.87	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003314	586284.31	4153850.24	6.85	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003315	586296.16	4153842.80	6.80	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003316	586308.02	4153835.35	6.76	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003317	586319.88	4153827.91	6.74	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003318	586331.73	4153820.46	6.73	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003319	586343.59	4153813.02	6.69	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003320	586355.44	4153805.57	6.66	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003321	586367.30	4153798.13	6.64	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003322	586379.16	4153790.68	6.65	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003323	586391.01	4153783.24	6.70	0.00	0.00005	14.00	Surface-Based	6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25D	L0003324	586402.87	4153775.79	6.88	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003325	586414.73	4153768.35	6.92	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003326	586426.58	4153760.90	6.90	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003327	586438.44	4153753.46	6.85	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003328	586450.29	4153746.01	6.76	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003329	586462.15	4153738.57	6.74	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003330	586474.01	4153731.12	6.79	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003331	586485.86	4153723.68	6.71	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003332	586497.72	4153716.23	6.68	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003333	586509.58	4153708.79	6.71	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003334	586521.43	4153701.34	6.74	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003335	586533.29	4153693.90	6.71	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003336	586545.14	4153686.45	6.68	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003337	586557.00	4153679.01	6.63	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003338	586568.86	4153671.56	6.59	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003339	586580.71	4153664.12	6.56	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003340	586592.57	4153656.67	6.53	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003341	586604.43	4153649.23	6.58	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003342	586616.28	4153641.78	6.61	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003343	586628.14	4153634.34	6.63	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003344	586639.99	4153626.89	6.67	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003345	586651.85	4153619.45	6.76	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003346	586663.71	4153612.00	6.80	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003347	586675.56	4153604.56	6.85	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003348	586687.42	4153597.11	6.93	0.00	0.00005	14.00	Surface-Based	6.51	3.16

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25D	L0003349	586699.28	4153589.67	6.99	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003350	586711.13	4153582.22	7.07	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003351	586722.99	4153574.78	7.19	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003352	586734.85	4153567.33	7.27	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003353	586746.70	4153559.89	7.29	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003354	586758.56	4153552.45	7.27	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003355	586770.42	4153545.00	7.20	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003356	586782.27	4153537.56	7.15	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003357	586794.13	4153530.11	7.12	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003358	586805.99	4153522.67	7.11	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003359	586817.84	4153515.22	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003360	586829.70	4153507.78	7.01	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003361	586841.51	4153500.26	6.92	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003362	586853.31	4153492.72	7.02	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003363	586865.10	4153485.18	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003364	586876.89	4153477.64	7.13	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003365	586888.69	4153470.09	7.14	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003366	586900.48	4153462.55	7.16	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003367	586912.28	4153455.01	7.18	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003368	586924.07	4153447.46	7.25	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003369	586935.87	4153439.92	7.26	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003370	586947.66	4153432.38	7.22	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003371	586959.45	4153424.83	7.19	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003372	586971.25	4153417.29	7.18	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003373	586983.04	4153409.75	7.13	0.00	0.00005	14.00	Surface-Based	6.51	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25D	L0003374	586994.84	4153402.21	7.07	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003375	587006.63	4153394.66	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003376	587018.43	4153387.12	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003377	587030.22	4153379.58	7.03	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003378	587042.01	4153372.03	7.03	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003379	587053.81	4153364.49	7.04	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003380	587065.60	4153356.95	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003381	587077.40	4153349.40	7.02	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003382	587089.19	4153341.86	6.95	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003383	587100.98	4153334.32	6.96	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003384	587112.78	4153326.78	7.01	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003385	587124.57	4153319.23	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003386	587136.37	4153311.69	7.05	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003387	587148.16	4153304.15	7.11	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003388	587159.96	4153296.60	7.14	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003389	587171.75	4153289.06	7.14	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003390	587183.54	4153281.52	7.08	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003391	587195.34	4153273.97	7.08	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003392	587207.13	4153266.43	7.09	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003393	587218.93	4153258.89	7.04	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003394	587230.72	4153251.35	7.00	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003395	587242.52	4153243.80	6.98	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003396	587254.31	4153236.26	6.99	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003397	587266.10	4153228.72	7.01	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003398	587277.90	4153221.17	6.98	0.00	0.00005	14.00	Surface-Based	6.51	3.16

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ROAD2_PM25D	L0003399	587289.69	4153213.63	6.93	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003400	587301.49	4153206.09	6.83	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003401	587313.28	4153198.54	6.80	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003402	587325.07	4153191.00	6.79	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003403	587336.87	4153183.46	6.84	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003404	587348.66	4153175.92	6.87	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003405	587360.46	4153168.37	6.86	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003406	587372.25	4153160.83	6.81	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003407	587384.05	4153153.29	6.84	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003408	587395.84	4153145.75	6.88	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003409	587407.64	4153138.20	6.73	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003410	587419.43	4153130.66	6.63	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003411	587431.22	4153123.12	6.57	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003412	587443.02	4153115.58	6.54	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003413	587454.81	4153108.03	6.48	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003414	587466.61	4153100.49	6.43	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003415	587478.40	4153092.95	6.46	0.00	0.00005	14.00	Surface-Based	6.51	3.16
	L0003416	587490.20	4153085.41	6.57	0.00	0.00005	14.00	Surface-Based	6.51	3.16

Source Pathway

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Source Groups

Source Group ID: **PM2.5T**	List of Sources in Group (Source Range or Single Sources)
	SITE_DPM
	SITE_PM25D
	ROAD1_DPM
	ROAD1_PM25D
	ROAD2_DPM
	ROAD2_PM25D

Source Group ID: **DPM**	List of Sources in Group (Source Range or Single Sources)
	SITE_DPM
	ROAD1_DPM
	ROAD2_DPM

Source Group ID: **ALL**	List of Sources in Group (Source Range or Single Sources)
	All Sources Included

Variable Emissions

Hour-of-Day / Day-of-Week Emission Rate Variation

Scenario: Scenario 1

Source ID: SITE_DPM

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: SITE_PM25D

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ROAD1_DPM

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ROAD1_PM25D

Weekdays							
Hour of Day	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00

Scenario: Scenario 1

Source ID: ROAD1_PM25D

	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ROAD2_DPM

Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Source ID: ROAD2_PM25D

Weekdays							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	1.00	1.00	1.00	1.00
Day	13 - 18	0.00	1.00	1.00	1.00	1.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Saturday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00
Sunday							
Hour	1 - 6	0.00	0.00	0.00	0.00	0.00	0.00
of	7 - 12	0.00	0.00	0.00	0.00	0.00	0.00
Day	13 - 18	0.00	0.00	0.00	0.00	0.00	0.00
	19 - 24	0.00	0.00	0.00	0.00	0.00	0.00

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	586023.01	4153808.68	WORKER	7.19	
2	586004.54	4153780.36	WORKER	7.53	
3	586058.72	4153788.98	WORKER	7.14	
4	586035.32	4153756.96	WORKER	7.47	
5	586090.74	4153771.74	WORKER	6.94	
6	586071.04	4153733.56	WORKER	7.57	
7	586119.06	4153754.50	WORKER	7.10	
8	586100.81	4153714.66	WORKER	7.55	
9	586269.30	4153781.59	WORKER	6.78	
10	586247.13	4153748.34	WORKER	6.69	
11	586213.88	4153720.02	WORKER	6.51	
12	586173.25	4153702.78	WORKER	6.74	
13	586149.85	4153670.76	WORKER	7.17	
14	586116.60	4153612.88	WORKER	6.95	
15	586197.87	4153694.16	WORKER	6.57	
16	586175.13	4153661.70	WORKER	6.89	
17	586164.49	4153629.69	WORKER	6.68	
18	586138.77	4153591.95	WORKER	6.54	
19	586101.82	4153556.24	WORKER	6.33	
20	586090.74	4153521.76	WORKER	6.33	
21	586032.55	4153360.21	WORKER	6.30	
22	586160.36	4153831.28	WORKER	7.10	
23	586179.40	4153818.53	WORKER	7.08	
24	586170.78	4153859.17	WORKER	7.43	
25	586192.15	4153845.62	WORKER	7.41	
26	586091.97	4153893.65	WORKER	7.23	
27	585993.46	4153915.82	WORKER	7.01	
28	586020.55	4153944.14	RESIDENT	7.12	
29	585942.97	4153888.73	WORKER	6.96	
30	585958.97	4153873.95	WORKER	6.94	

31	585923.26	4153872.72	WORKER	6.93
32	585951.59	4153855.48	WORKER	6.91
33	585935.58	4153825.92	WORKER	6.75
34	585897.40	4153833.31	WORKER	6.93
35	585821.05	4153752.04	WORKER	6.42
36	585854.30	4153728.64	WORKER	6.20
37	585764.41	4153654.75	WORKER	6.25
38	585809.97	4153617.81	WORKER	6.10
39	585727.46	4153686.77	WORKER	5.98
40	585727.46	4153557.47	WORKER	6.25
41	585632.64	4153593.18	WORKER	5.96
42	585596.93	4153643.67	WORKER	6.81
43	585574.77	4153605.49	WORKER	6.64
44	585567.38	4153643.67	WORKER	6.74
45	585535.36	4153612.88	WORKER	6.96
46	585493.49	4153487.28	WORKER	5.69
47	585518.78	4153470.47	WORKER	5.38
48	585547.74	4153454.68	WORKER	5.60
49	585580.64	4153439.69	WORKER	5.38
50	585613.45	4153422.45	WORKER	5.31
51	585463.94	4153364.13	WORKER	5.83
52	585494.72	4153348.12	WORKER	5.06
53	585535.36	4153333.35	WORKER	5.56
54	585486.10	4153302.56	WORKER	5.39
55	585729.93	4153314.87	WORKER	5.62
56	585702.84	4153157.25	WORKER	5.24
57	585924.49	4153027.95	WORKER	4.95
58	586381.36	4153684.31	WORKER	7.33
59	586311.17	4153556.24	WORKER	6.89
60	586272.99	4153471.27	WORKER	6.94
61	586218.81	4153389.99	WORKER	6.21
62	585855.89	4153993.33	WORKER	6.85
63	585881.75	4153979.20	WORKER	6.65
64	585840.76	4153965.07	WORKER	6.64
65	585926.96	4154038.96	RESIDENT	6.99
66	585955.28	4154019.26	RESIDENT	6.97
67	586194.18	4153966.31	RESIDENT	7.54
68	586201.57	4153955.22	RESIDENT	7.55

69	586218.81	4153936.75	RESIDENT	7.47
70	586239.74	4153926.90	RESIDENT	7.45
71	586253.29	4153915.82	RESIDENT	7.37
72	586266.83	4153907.20	RESIDENT	7.36
73	586284.08	4153896.11	RESIDENT	7.38
74	586298.85	4153887.49	RESIDENT	7.30
75	586311.17	4153880.11	RESIDENT	7.31
76	586324.71	4153870.25	RESIDENT	7.31
77	586339.49	4153860.40	RESIDENT	7.23
78	586357.96	4153849.32	RESIDENT	7.24
79	585830.50	4153710.51	WORKER	6.16
80	585842.50	4153704.60	WORKER	6.15
81	585716.26	4153716.40	WORKER	6.65
82	585732.98	4153706.11	WORKER	6.62
83	585824.30	4153059.90	WORKER	4.80
84	585757.46	4153777.42	WORKER	6.31
85	585821.12	4153803.10	WORKER	6.24
86	585801.25	4153814.24	WORKER	6.26
87	586070.57	4153576.44	WORKER	6.08
88	586007.79	4153996.47	RESIDENT	6.69
89	586002.76	4153987.95	RESIDENT	6.71
90	585956.11	4153997.82	RESIDENT	7.00
91	585950.70	4153982.35	GRIDR	6.87
92	585888.41	4154052.48	GRIDR	7.08
93	585935.20	4154051.04	GRIDR	6.97
94	585914.70	4154094.87	GRIDR	7.04
95	585820.64	4154097.78	GRIDR	7.05
96	585773.61	4154099.23	GRIDR	7.02
97	585961.73	4154093.42	GRIDR	6.97
98	586003.76	4154067.12	GRIDR	6.97
99	586045.79	4154040.81	GRIDR	6.92
100	586087.81	4154014.51	GRIDR	6.82
101	586129.84	4153988.20	GRIDR	7.02
102	586171.87	4153961.90	GRIDR	7.32
103	586382.01	4153830.37	GRIDR	7.24
104	586424.04	4153804.07	GRIDR	6.77
105	586466.07	4153777.76	GRIDR	7.30
106	586508.10	4153751.45	GRIDR	7.25

107	586550.13	4153725.15	GRIDR	7.24
108	586592.16	4153698.84	GRIDR	7.16
109	586634.18	4153672.54	GRIDR	7.11
110	586676.21	4153646.23	GRIDR	7.12
111	586718.24	4153619.93	GRIDR	7.11
112	586760.27	4153593.62	GRIDR	6.91
113	586802.30	4153567.32	GRIDR	7.26
114	586844.33	4153541.01	GRIDR	7.40
115	586886.36	4153514.71	GRIDR	7.05
116	586928.38	4153488.40	GRIDR	7.19
117	586970.41	4153462.10	GRIDR	7.29
118	587012.44	4153435.79	GRIDR	7.37
119	587054.47	4153409.49	GRIDR	7.51
120	587096.50	4153383.18	GRIDR	7.42
121	585941.02	4154137.26	GRIDR	7.31
122	585893.77	4154138.72	GRIDR	7.36
123	585799.29	4154141.64	GRIDR	7.06
124	585752.05	4154143.10	GRIDR	7.08
125	585988.26	4154135.81	GRIDR	7.11
126	586030.28	4154109.50	GRIDR	7.17
127	586072.31	4154083.19	GRIDR	7.12
128	586114.34	4154056.89	GRIDR	7.01
129	586156.37	4154030.58	GRIDR	7.54
130	586198.40	4154004.28	GRIDR	7.55
131	586240.43	4153977.97	GRIDR	7.22
132	586282.46	4153951.67	GRIDR	7.14
133	586324.48	4153925.36	GRIDR	7.37
134	586366.51	4153899.06	GRIDR	7.26
135	586408.54	4153872.75	GRIDR	7.16
136	586450.57	4153846.45	GRIDR	6.63
137	586492.60	4153820.14	GRIDR	7.28
138	586534.63	4153793.84	GRIDR	7.17
139	586576.65	4153767.53	GRIDR	7.02
140	586618.68	4153741.23	GRIDR	7.26
141	586660.71	4153714.92	GRIDR	6.81
142	586702.74	4153688.62	GRIDR	7.15
143	586744.77	4153662.31	GRIDR	7.42
144	586786.80	4153636.01	GRIDR	6.66

145	586828.83	4153609.70	GRIDR	7.21	
146	586870.85	4153583.40	GRIDR	7.41	
147	586912.88	4153557.09	GRIDR	7.17	
148	586954.91	4153530.79	GRIDR	7.03	
149	586996.94	4153504.48	GRIDR	7.26	
150	587038.97	4153478.18	GRIDR	7.42	
151	587081.00	4153451.87	GRIDR	7.41	
152	587123.03	4153425.57	GRIDR	7.48	
153	587136.57	4153358.10	GRIDR	7.39	
154	587176.63	4153333.03	GRIDR	7.56	
155	587216.69	4153307.95	GRIDR	7.78	
156	587256.75	4153282.88	GRIDR	7.60	
157	587296.82	4153257.80	GRIDR	7.26	
158	587336.88	4153232.73	GRIDR	7.28	
159	587376.94	4153207.65	GRIDR	7.07	
160	587417.00	4153182.58	GRIDR	7.22	
161	587457.06	4153157.50	GRIDR	7.06	
162	587163.09	4153400.49	GRIDR	7.29	
163	587203.16	4153375.41	GRIDR	7.70	
164	587243.22	4153350.34	GRIDR	7.56	
165	587283.28	4153325.26	GRIDR	7.81	
166	587323.34	4153300.19	GRIDR	7.06	
167	587363.40	4153275.11	GRIDR	7.33	
168	587403.47	4153250.04	GRIDR	7.07	
169	587443.53	4153224.96	GRIDR	7.31	
170	587483.59	4153199.89	GRIDR	6.93	

Plant Boundary Receptors

Receptor Groups

Record Number	Group ID	Group Description
1	WORKER	Worker - Non-Residential Receptors
2	RESIDENT	Residential Receptors
3	FENCEPRI	Cartesian plant boundary Primary Receptors
4	FENCEGRD	Receptors generated from Fenceline Grid
5	GRIDR	Residential receptors from Fenceline Grid

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: ..\MET\KHWD13_17.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: ..\MET\KHWD13_17.PFL
Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 13.10 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface Upper Air		2013 2013			OAKLAND/WSO AP

Data Period

Data Period to Process

Start Date: 1/1/2013 Start Hour: 1 End Date: 12/31/2017 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

Results Summary

Newark Central Avenue Warehouse Project
Construction HRA - PM10 and PM2.5 (Total)

PM10 - Concentration - Source Group: DPM

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.02928	ug/m^3	586070.57	4153576.44	6.08	0.00	6.08	

PM10 - Concentration - Source Group: PM2.5T

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.21510	ug/m^3	586070.57	4153576.44	6.08	0.00	6.08	

HEALTH RISK ASSESSMENT CALCULATIONS

The HRA was conducted utilizing the CARB's Hot Spots Analysis and Reporting Program Version 2 (HARP2) to automatically calculate risks for the projects using OEHHA promulgated cancer potency and reference exposure levels. (HARP2) is the recommended model for calculating and presenting HRA results because it follows the district's risk assessment guidance methodology and is consistent with the Air District's Regulation 2-5. Since AERMOD was run with project emission rates to directly calculate potential DPM and PM2.5 concentrations, the Health Risk Assessment Standalone Tool (RAST) version of HARP2 was used.

The HRA follows BAAQMD CEQA Guidelines, based on OEHHA Guidance. This risk assessment intake methodology addresses children's greater sensitivity and health impacts from early exposure to carcinogenic compounds. The chemical intake or dose describing the frequency and duration of the exposure is estimated using receptor's breathing rates, exposure duration, and exposure frequency. The calculations include the use of age-specific weighting factors, breathing rates, fraction of time at home, and reduced exposure durations.

These factors are described below, followed by a summary of the HARP2 HRA inputs and cancer and noncancer risk results for selected for each receptor group (i.e., resident, off-site worker, and student).

Age Sensitivity Factors – Studies have shown that young animals are more sensitive than adult animals to exposure to many carcinogens (OEHHA, 2009). Therefore, OEHHA developed age sensitivity factors (ASFs) to account for the increased sensitivity to carcinogens during early-in-life exposures. Accordingly, the cancer risk methodology applies different ASFs by age groups. The ASFs utilized a 10-fold multiplier in sensitivity for the third trimester and infants less than age 2, a 3-fold increase in sensitivity for children ages 2 to 16 years old, and a sensitivity factor of 1 for ages 16 and older.

Daily breathing rates (age-specific daily air intake) – For residential receptors, the HRA utilizes the 95th percentile breathing rates for the most sensitive age groups (less than 2 years of age) and 80th percentile for all other age groups. This approach jointly developed by ARB and CAPCOA[1] and adopted by BAAQMD[2] is referred to as the "Risk Management Policy" and was developed to consider the new science in risk assessment while providing a reasonable estimate of potential cancer risk for risk management decisions. and used in this HRA. For worker exposure, the HRA uses 95th percentile 8-hour breathing rates for moderate intensity activities.[3]

Time at home – The time at home applies only applies to residential receptors. Residents are assumed to be at home 350 days per year, which assumes individuals are away for approximately 2 weeks of

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1 California Air Resources Board (ARB) and California Air Pollution Control Officers Association (CAPCOA). 2015. Risk Management Guidance for Stationary Sources of Air Toxics. July 23. Website: https://ww2.arb.ca.gov/sites/default/files/classic/toxics/rma/rmgssat.pdf. Accessed April 8, 2024.

2 Bay Area Air Quality Management District (BAAQMD). 2022. California Environmental Quality Act – Air Quality Guidelines Appendix E: Recommended Methods for Screening and Modeling Local Risks and Hazards. Website: https://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa-guidelines-2022/appendix-e-recommended-methods-for-screening-and-modeling-local-risks-and-hazards_final-pdf.pdf?rev=b8917a27345a4a629fc18fc8650951e4&sc_lang=en. Accessed March 7, 2024.

3 Office of Environmental Health Hazard Assessment (OEHHA). 2015. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Website: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed March 29, 2024.

vacation. The fraction of time at home refers to the estimated amount of time residents stay at home during these 350 days. The HRA uses the OEHHA and BAAQMD recommended values of 73% time at home for 16-year-olds and above based on based on population and activity statistics. The HRA also assumes 100 percent time at home for receptors under age 16 to address exposures at local schools close to emitting sources. Even though infants and children may not be at their residence all the time, they are likely to remain in the neighborhood (at schools or neighbors) and would be exposed to similar levels of the pollutants.

Exposure Duration - OEHHA 2015 guidelines specify a 30-year residential exposure duration for estimating cancer risk at the maximum exposed individual resident (MEIR). This is based on studies showing that 30 years is a reasonable estimate of the 90th to 95th percentile of residency duration in the population. A 25-year standard exposure duration is the default to estimate cancer risk for off-site workers. However, risk assessors can use other exposure durations with proper justification and documentation. The short-term construction emissions are evaluated for the duration of construction, which is 200 working days or 0.75 years.

Residential Cancer Risk

Cancer risk for individual resident receptors exposed to "Diesel Particulate Exhaust" (DPM) were calculated utilizing the "Risk Management Policy" option for inhalation, specifying that residents spend 100% time at home for ages less than 16 years old. Consistent with OEHHA guidance, the start of residential exposure was assumed to occur in the third trimester (-0.25 years) to accommodate the increased susceptibility of exposures in early life. Since the construction is anticipated to occur for 200 days or 0.75 years, the residential exposure starts with the unborn child at the third trimester (when construction begins) and continues until the child is 0.5 years of age. Because there are no significant sources of TAC emissions during operations, the exposure assessment is limited to the duration of the proposed project construction or 0.75 years.

Worker Cancer Risk

Cancer risk and the chronic hazard index was calculated for the maximum impacted off-site worker based on the maximum DPM concentration at identified off-site receptors. 8-hour breathing rates for moderate intensity activities of 230 L/kg-8 hrs (applicable to 16–70-year adults) were used to calculate the daily dose via the inhalation route to the worker. The analysis assumes a start age of 16 years and an exposure duration equivalent to the construction duration of 0.75 years.

Since the construction emissions were modeled as a non-continuous source, the worker adjustment factor was used to adjust for the proper exposure concentration. When modeling a non-continuously emitting source (e.g., operating for eight hours per day and five days per week), the modeled long-term average concentrations are based on 24 hours a day and seven days per week for the period of the meteorological data set. Even though the emitting source is modeled using a non-continuous emissions schedule, the long-term concentration is still based on 24 hours a day and seven days per week. Thus, this concentration includes the zero hours when the source was not operating.

The worker adjustment factor (WAF) is used to determine the long-term concentration the worker is breathing during their work shift. Therefore, the long-term concentration is adjusted so it is based only on the hours when the worker is present. For this project, assuming the emitting source and worker's

schedules are the same, the adjustment factor is 4.2 = (24 hours per day/8 hours per shift)x(7 days in a week/5 days in a work week).

HARP2 provides for the specification of the WAF for worker cancer risk assessments, and this was entered as 4.2 to make this adjustment.

Noncancer Chronic Health Risks

Chronic RELs are used to assess not only residential health impacts, but also worker and student health impacts.

Potential chronic noncancer health impacts use the long-term annual average concentration regardless of the emitting facility's schedule. As per OEHHA guidance, no adjustment factors were used to adjust this concentration for workers.

HARP2 Inputs and Results

HARP2 Output files are included to document the HRA exposure parameters and risk results.

The results are provided as follows:

- Cancer Risk for Maximum Exposed Individual Resident (MEIR)
- Cancer Risk for Maximum Exposed Individual Worker (MEIW)
- Cancer and Non-Cancer Chronic Risks for All Residential Receptors within 1,000 ft of Project Boundary (and extended area to capture the MEIR)
- Cancer and Non-Cancer Chronic Risks for All Non-Residential Receptors within 1,000 ft of Project Boundary

HARP2 - HRACalc (dated 22118) 5/11/2024 6:03:53 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.5

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.5
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\25700013\HARP\MEIR_CancerRisk.csv
HRA ran successfully

*HARP - HRACalc v22118 5/11/2024 6:03:53 AM -
Cancer Risk - Input File: F:\Jobs\25700013\HARP\MEIR_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhalation Risk
586634.18	4153672.54	DieselExhPM	0.00124	1.187e-07	0.5YrCancerRMP_Inh_FAH16to70	1.187e-07

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 0.75

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0.75
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.
Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\25700013\HARP\MEIW_CancerRisk.csv
HRA ran successfully

*HARP - HRACalc v22118 5/11/2024 4:56:55 AM -
Cancer Risk - Input File: F:\Jobs\25700013\HARP\MEIW_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhalation Risk
586070.57	4153576.44	DieselExhPM	0.02928	2.3825e-07	0.75YrCancerHighEnd_InhSoilDerm	2.3825e-07

HARP2 - HRACalc (dated 22118) 5/10/2024 5:07:08 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 0.5

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 0.5
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\25700013\HARP\ResidentCancer_CancerRisk.csv
HRA ran successfully

UTME	UTMN	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhalation Risk
586021	4153944	DieselExhPM	0.00101	9.668e-08	0.5YrCancerRMP_Inh_FAH16to70	9.668e-08
585927	4154039	DieselExhPM	0.00061	5.8391e-08	0.5YrCancerRMP_Inh_FAH16to70	5.8391e-08
585955	4154019	DieselExhPM	0.00068	6.5091e-08	0.5YrCancerRMP_Inh_FAH16to70	6.5091e-08
586194	4153966	DieselExhPM	0.00082	7.8493e-08	0.5YrCancerRMP_Inh_FAH16to70	7.8493e-08
586202	4153955	DieselExhPM	0.00087	8.3279e-08	0.5YrCancerRMP_Inh_FAH16to70	8.3279e-08
586219	4153937	DieselExhPM	0.00094	8.9979e-08	0.5YrCancerRMP_Inh_FAH16to70	8.9979e-08
586240	4153927	DieselExhPM	0.00091	8.7108e-08	0.5YrCancerRMP_Inh_FAH16to70	8.7108e-08
586253	4153916	DieselExhPM	0.00094	8.9979e-08	0.5YrCancerRMP_Inh_FAH16to70	8.9979e-08
586267	4153907	DieselExhPM	0.00095	9.0936e-08	0.5YrCancerRMP_Inh_FAH16to70	9.0936e-08
586284	4153896	DieselExhPM	0.00096	9.1894e-08	0.5YrCancerRMP_Inh_FAH16to70	9.1894e-08
586299	4153887	DieselExhPM	0.00096	9.1894e-08	0.5YrCancerRMP_Inh_FAH16to70	9.1894e-08
586311	4153880	DieselExhPM	0.00096	9.1894e-08	0.5YrCancerRMP_Inh_FAH16to70	9.1894e-08
586325	4153870	DieselExhPM	0.00099	9.4765e-08	0.5YrCancerRMP_Inh_FAH16to70	9.4765e-08
586339	4153860	DieselExhPM	0.001	9.5723e-08	0.5YrCancerRMP_Inh_FAH16to70	9.5723e-08
586358	4153849	DieselExhPM	0.00101	9.668e-08	0.5YrCancerRMP_Inh_FAH16to70	9.668e-08
586008	4153996	DieselExhPM	0.00082	7.8493e-08	0.5YrCancerRMP_Inh_FAH16to70	7.8493e-08
586003	4153988	DieselExhPM	0.00082	7.8493e-08	0.5YrCancerRMP_Inh_FAH16to70	7.8493e-08
585956	4153998	DieselExhPM	0.00074	7.0835e-08	0.5YrCancerRMP_Inh_FAH16to70	7.0835e-08
585951	4153982	DieselExhPM	0.0008	7.6578e-08	0.5YrCancerRMP_Inh_FAH16to70	7.6578e-08
585888	4154052	DieselExhPM	0.00058	5.5519e-08	0.5YrCancerRMP_Inh_FAH16to70	5.5519e-08
585935	4154051	DieselExhPM	0.00058	5.5519e-08	0.5YrCancerRMP_Inh_FAH16to70	5.5519e-08
585915	4154095	DieselExhPM	0.00049	4.6904e-08	0.5YrCancerRMP_Inh_FAH16to70	4.6904e-08
585821	4154098	DieselExhPM	0.00048	4.5947e-08	0.5YrCancerRMP_Inh_FAH16to70	4.5947e-08
585774	4154099	DieselExhPM	0.00046	4.4032e-08	0.5YrCancerRMP_Inh_FAH16to70	4.4032e-08
585962	4154093	DieselExhPM	0.00049	4.6904e-08	0.5YrCancerRMP_Inh_FAH16to70	4.6904e-08
586004	4154067	DieselExhPM	0.0006	5.7434e-08	0.5YrCancerRMP_Inh_FAH16to70	5.7434e-08
586046	4154041	DieselExhPM	0.00078	7.4664e-08	0.5YrCancerRMP_Inh_FAH16to70	7.4664e-08
586088	4154015	DieselExhPM	0.00097	9.2851e-08	0.5YrCancerRMP_Inh_FAH16to70	9.2851e-08
586130	4153988	DieselExhPM	0.00109	1.0434e-07	0.5YrCancerRMP_Inh_FAH16to70	1.0434e-07
586172	4153962	DieselExhPM	0.00101	9.668e-08	0.5YrCancerRMP_Inh_FAH16to70	9.668e-08
586382	4153830	DieselExhPM	0.00108	1.0338e-07	0.5YrCancerRMP_Inh_FAH16to70	1.0338e-07
586424	4153804	DieselExhPM	0.00112	1.0721e-07	0.5YrCancerRMP_Inh_FAH16to70	1.0721e-07
586466	4153778	DieselExhPM	0.00115	1.1008e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1008e-07
586508	4153751	DieselExhPM	0.00119	1.1391e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1391e-07
586550	4153725	DieselExhPM	0.00121	1.1582e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1582e-07
586592	4153699	DieselExhPM	0.00123	1.1774e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1774e-07
586634	4153673	DieselExhPM	0.00124	1.187e-07	0.5YrCancerRMP_Inh_FAH16to70	1.187e-07

586676	4153646	DieselExhPM	0.00124	1.187e-07	0.5YrCancerRMP_Inh_FAH16to70	1.187e-07
586718	4153620	DieselExhPM	0.00123	1.1774e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1774e-07
586760	4153594	DieselExhPM	0.00122	1.1678e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1678e-07
586802	4153567	DieselExhPM	0.0012	1.1487e-07	0.5YrCancerRMP_Inh_FAH16to70	1.1487e-07
586844	4153541	DieselExhPM	0.00117	1.12e-07	0.5YrCancerRMP_Inh_FAH16to70	1.12e-07
586886	4153515	DieselExhPM	0.00114	1.0912e-07	0.5YrCancerRMP_Inh_FAH16to70	1.0912e-07
586928	4153488	DieselExhPM	0.00111	1.0625e-07	0.5YrCancerRMP_Inh_FAH16to70	1.0625e-07
586970	4153462	DieselExhPM	0.00107	1.0242e-07	0.5YrCancerRMP_Inh_FAH16to70	1.0242e-07
587012	4153436	DieselExhPM	0.00104	9.9552e-08	0.5YrCancerRMP_Inh_FAH16to70	9.9552e-08
587054	4153409	DieselExhPM	0.001	9.5723e-08	0.5YrCancerRMP_Inh_FAH16to70	9.5723e-08
587097	4153383	DieselExhPM	0.00097	9.2851e-08	0.5YrCancerRMP_Inh_FAH16to70	9.2851e-08
585941	4154137	DieselExhPM	0.00041	3.9246e-08	0.5YrCancerRMP_Inh_FAH16to70	3.9246e-08
585894	4154139	DieselExhPM	0.00042	4.0203e-08	0.5YrCancerRMP_Inh_FAH16to70	4.0203e-08
585799	4154142	DieselExhPM	0.00042	4.0203e-08	0.5YrCancerRMP_Inh_FAH16to70	4.0203e-08
585752	4154143	DieselExhPM	0.0004	3.8289e-08	0.5YrCancerRMP_Inh_FAH16to70	3.8289e-08
585988	4154136	DieselExhPM	0.0004	3.8289e-08	0.5YrCancerRMP_Inh_FAH16to70	3.8289e-08
586030	4154110	DieselExhPM	0.00044	4.2118e-08	0.5YrCancerRMP_Inh_FAH16to70	4.2118e-08
586072	4154083	DieselExhPM	0.00048	4.5947e-08	0.5YrCancerRMP_Inh_FAH16to70	4.5947e-08
586114	4154057	DieselExhPM	0.00052	4.9776e-08	0.5YrCancerRMP_Inh_FAH16to70	4.9776e-08
586156	4154031	DieselExhPM	0.00055	5.2647e-08	0.5YrCancerRMP_Inh_FAH16to70	5.2647e-08
586198	4154004	DieselExhPM	0.00058	5.5519e-08	0.5YrCancerRMP_Inh_FAH16to70	5.5519e-08
586240	4153978	DieselExhPM	0.0006	5.7434e-08	0.5YrCancerRMP_Inh_FAH16to70	5.7434e-08
586282	4153952	DieselExhPM	0.00062	5.9348e-08	0.5YrCancerRMP_Inh_FAH16to70	5.9348e-08
586324	4153925	DieselExhPM	0.00063	6.0305e-08	0.5YrCancerRMP_Inh_FAH16to70	6.0305e-08
586367	4153899	DieselExhPM	0.00065	6.222e-08	0.5YrCancerRMP_Inh_FAH16to70	6.222e-08
586409	4153873	DieselExhPM	0.00068	6.5091e-08	0.5YrCancerRMP_Inh_FAH16to70	6.5091e-08
586451	4153846	DieselExhPM	0.0007	6.7006e-08	0.5YrCancerRMP_Inh_FAH16to70	6.7006e-08
586493	4153820	DieselExhPM	0.00073	6.9878e-08	0.5YrCancerRMP_Inh_FAH16to70	6.9878e-08
586535	4153794	DieselExhPM	0.00076	7.2749e-08	0.5YrCancerRMP_Inh_FAH16to70	7.2749e-08
586577	4153768	DieselExhPM	0.00078	7.4664e-08	0.5YrCancerRMP_Inh_FAH16to70	7.4664e-08
586619	4153741	DieselExhPM	0.0008	7.6578e-08	0.5YrCancerRMP_Inh_FAH16to70	7.6578e-08
586661	4153715	DieselExhPM	0.00082	7.8493e-08	0.5YrCancerRMP_Inh_FAH16to70	7.8493e-08
586703	4153689	DieselExhPM	0.00083	7.945e-08	0.5YrCancerRMP_Inh_FAH16to70	7.945e-08
586745	4153662	DieselExhPM	0.00083	7.945e-08	0.5YrCancerRMP_Inh_FAH16to70	7.945e-08
586787	4153636	DieselExhPM	0.00084	8.0407e-08	0.5YrCancerRMP_Inh_FAH16to70	8.0407e-08
586829	4153610	DieselExhPM	0.00083	7.945e-08	0.5YrCancerRMP_Inh_FAH16to70	7.945e-08
586871	4153583	DieselExhPM	0.00082	7.8493e-08	0.5YrCancerRMP_Inh_FAH16to70	7.8493e-08
586913	4153557	DieselExhPM	0.00081	7.7535e-08	0.5YrCancerRMP_Inh_FAH16to70	7.7535e-08
586955	4153531	DieselExhPM	0.00079	7.5621e-08	0.5YrCancerRMP_Inh_FAH16to70	7.5621e-08
586997	4153504	DieselExhPM	0.00077	7.3706e-08	0.5YrCancerRMP_Inh_FAH16to70	7.3706e-08

587039	4153478	DieselExhPM	0.00075	7.1792e-08	0.5YrCancerRMP_Inh_FAH16to70	7.1792e-08
587081	4153452	DieselExhPM	0.00073	6.9878e-08	0.5YrCancerRMP_Inh_FAH16to70	6.9878e-08
587123	4153426	DieselExhPM	0.00071	6.7963e-08	0.5YrCancerRMP_Inh_FAH16to70	6.7963e-08
587137	4153358	DieselExhPM	0.00094	8.9979e-08	0.5YrCancerRMP_Inh_FAH16to70	8.9979e-08
587177	4153333	DieselExhPM	0.00091	8.7108e-08	0.5YrCancerRMP_Inh_FAH16to70	8.7108e-08
587217	4153308	DieselExhPM	0.00088	8.4236e-08	0.5YrCancerRMP_Inh_FAH16to70	8.4236e-08
587257	4153283	DieselExhPM	0.00085	8.1364e-08	0.5YrCancerRMP_Inh_FAH16to70	8.1364e-08
587297	4153258	DieselExhPM	0.00082	7.8493e-08	0.5YrCancerRMP_Inh_FAH16to70	7.8493e-08
587337	4153233	DieselExhPM	0.00079	7.5621e-08	0.5YrCancerRMP_Inh_FAH16to70	7.5621e-08
587377	4153208	DieselExhPM	0.00077	7.3706e-08	0.5YrCancerRMP_Inh_FAH16to70	7.3706e-08
587417	4153183	DieselExhPM	0.00074	7.0835e-08	0.5YrCancerRMP_Inh_FAH16to70	7.0835e-08
587457	4153158	DieselExhPM	0.00071	6.7963e-08	0.5YrCancerRMP_Inh_FAH16to70	6.7963e-08
587163	4153400	DieselExhPM	0.00069	6.6049e-08	0.5YrCancerRMP_Inh_FAH16to70	6.6049e-08
587203	4153375	DieselExhPM	0.00066	6.3177e-08	0.5YrCancerRMP_Inh_FAH16to70	6.3177e-08
587243	4153350	DieselExhPM	0.00064	6.1262e-08	0.5YrCancerRMP_Inh_FAH16to70	6.1262e-08
587283	4153325	DieselExhPM	0.00062	5.9348e-08	0.5YrCancerRMP_Inh_FAH16to70	5.9348e-08
587323	4153300	DieselExhPM	0.0006	5.7434e-08	0.5YrCancerRMP_Inh_FAH16to70	5.7434e-08
587363	4153275	DieselExhPM	0.00058	5.5519e-08	0.5YrCancerRMP_Inh_FAH16to70	5.5519e-08
587403	4153250	DieselExhPM	0.00056	5.3605e-08	0.5YrCancerRMP_Inh_FAH16to70	5.3605e-08
587444	4153225	DieselExhPM	0.00054	5.169e-08	0.5YrCancerRMP_Inh_FAH16to70	5.169e-08
587484	4153200	DieselExhPM	0.00051	4.8819e-08	0.5YrCancerRMP_Inh_FAH16to70	4.8819e-08

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating chronic risk
Chronic risk saved to: F:\Jobs\25700013\HARP\ResidentChronic_NCChronicRisk.csv
HRA ran successfully

UTME	UTMN	Pollutant	Conc (ug/m3)	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	EYE	B/T	ENDO	BLOOD	ODOR	GEN
586021	4153944	DieselExhPM	0.00101	0.0	0.0	0.0	0.0	0.0	0.0	0.000202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585927	4154039	DieselExhPM	0.00061	0.0	0.0	0.0	0.0	0.0	0.0	0.000122	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585955	4154019	DieselExhPM	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.000136	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586194	4153966	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586202	4153955	DieselExhPM	0.00087	0.0	0.0	0.0	0.0	0.0	0.0	0.000174	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586219	4153937	DieselExhPM	0.00094	0.0	0.0	0.0	0.0	0.0	0.0	0.000188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586240	4153927	DieselExhPM	0.00091	0.0	0.0	0.0	0.0	0.0	0.0	0.000182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586253	4153916	DieselExhPM	0.00094	0.0	0.0	0.0	0.0	0.0	0.0	0.000188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586267	4153907	DieselExhPM	0.00095	0.0	0.0	0.0	0.0	0.0	0.0	0.00019	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586284	4153896	DieselExhPM	0.00096	0.0	0.0	0.0	0.0	0.0	0.0	0.000192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586299	4153887	DieselExhPM	0.00096	0.0	0.0	0.0	0.0	0.0	0.0	0.000192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586311	4153880	DieselExhPM	0.00096	0.0	0.0	0.0	0.0	0.0	0.0	0.000192	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586325	4153870	DieselExhPM	0.00099	0.0	0.0	0.0	0.0	0.0	0.0	0.000198	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586339	4153860	DieselExhPM	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586358	4153849	DieselExhPM	0.00101	0.0	0.0	0.0	0.0	0.0	0.0	0.000202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586008	4153996	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586003	4153988	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585956	4153998	DieselExhPM	0.00074	0.0	0.0	0.0	0.0	0.0	0.0	0.000148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585951	4153982	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585888	4154052	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585935	4154051	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585915	4154095	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585821	4154098	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585774	4154099	DieselExhPM	0.00046	0.0	0.0	0.0	0.0	0.0	0.0	9.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585962	4154093	DieselExhPM	0.00049	0.0	0.0	0.0	0.0	0.0	0.0	9.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586004	4154067	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586046	4154041	DieselExhPM	0.00078	0.0	0.0	0.0	0.0	0.0	0.0	0.000156	0.0	0.0	0.0	0.0	0.0	0.0	0.0

586088	4154015	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586130	4153988	DieselExhPM	0.00109	0.0	0.0	0.0	0.0	0.0	0.0	0.000218	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586172	4153962	DieselExhPM	0.00101	0.0	0.0	0.0	0.0	0.0	0.0	0.000202	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586382	4153830	DieselExhPM	0.00108	0.0	0.0	0.0	0.0	0.0	0.0	0.000216	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586424	4153804	DieselExhPM	0.00112	0.0	0.0	0.0	0.0	0.0	0.0	0.000224	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586466	4153778	DieselExhPM	0.00115	0.0	0.0	0.0	0.0	0.0	0.0	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586508	4153751	DieselExhPM	0.00119	0.0	0.0	0.0	0.0	0.0	0.0	0.000238	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586550	4153725	DieselExhPM	0.00121	0.0	0.0	0.0	0.0	0.0	0.0	0.000242	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586592	4153699	DieselExhPM	0.00123	0.0	0.0	0.0	0.0	0.0	0.0	0.000246	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586634	4153673	DieselExhPM	0.00124	0.0	0.0	0.0	0.0	0.0	0.0	0.000248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586676	4153646	DieselExhPM	0.00124	0.0	0.0	0.0	0.0	0.0	0.0	0.000248	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586718	4153620	DieselExhPM	0.00123	0.0	0.0	0.0	0.0	0.0	0.0	0.000246	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586760	4153594	DieselExhPM	0.00122	0.0	0.0	0.0	0.0	0.0	0.0	0.000244	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586802	4153567	DieselExhPM	0.0012	0.0	0.0	0.0	0.0	0.0	0.0	0.00024	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586844	4153541	DieselExhPM	0.00117	0.0	0.0	0.0	0.0	0.0	0.0	0.000234	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586886	4153515	DieselExhPM	0.00114	0.0	0.0	0.0	0.0	0.0	0.0	0.000228	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586928	4153488	DieselExhPM	0.00111	0.0	0.0	0.0	0.0	0.0	0.0	0.000222	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586970	4153462	DieselExhPM	0.00107	0.0	0.0	0.0	0.0	0.0	0.0	0.000214	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587012	4153436	DieselExhPM	0.00104	0.0	0.0	0.0	0.0	0.0	0.0	0.000208	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587054	4153409	DieselExhPM	0.001	0.0	0.0	0.0	0.0	0.0	0.0	0.0002	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587097	4153383	DieselExhPM	0.00097	0.0	0.0	0.0	0.0	0.0	0.0	0.000194	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585941	4154137	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585894	4154139	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585799	4154142	DieselExhPM	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	8.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585752	4154143	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585988	4154136	DieselExhPM	0.0004	0.0	0.0	0.0	0.0	0.0	0.0	8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586030	4154110	DieselExhPM	0.00044	0.0	0.0	0.0	0.0	0.0	0.0	8.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586072	4154083	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586114	4154057	DieselExhPM	0.00052	0.0	0.0	0.0	0.0	0.0	0.0	0.000104	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586156	4154031	DieselExhPM	0.00055	0.0	0.0	0.0	0.0	0.0	0.0	0.00011	0.0	0.0	0.0	0.0	0.0	0.0	0.0

586198	4154004	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586240	4153978	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586282	4153952	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586324	4153925	DieselExhPM	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.000126	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586367	4153899	DieselExhPM	0.00065	0.0	0.0	0.0	0.0	0.0	0.0	0.00013	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586409	4153873	DieselExhPM	0.00068	0.0	0.0	0.0	0.0	0.0	0.0	0.000136	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586451	4153846	DieselExhPM	0.0007	0.0	0.0	0.0	0.0	0.0	0.0	0.00014	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586493	4153820	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586535	4153794	DieselExhPM	0.00076	0.0	0.0	0.0	0.0	0.0	0.0	0.000152	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586577	4153768	DieselExhPM	0.00078	0.0	0.0	0.0	0.0	0.0	0.0	0.000156	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586619	4153741	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586661	4153715	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586703	4153689	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586745	4153662	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586787	4153636	DieselExhPM	0.00084	0.0	0.0	0.0	0.0	0.0	0.0	0.000168	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586829	4153610	DieselExhPM	0.00083	0.0	0.0	0.0	0.0	0.0	0.0	0.000166	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586871	4153583	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586913	4153557	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586955	4153531	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586997	4153504	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587039	4153478	DieselExhPM	0.00075	0.0	0.0	0.0	0.0	0.0	0.0	0.00015	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587081	4153452	DieselExhPM	0.00073	0.0	0.0	0.0	0.0	0.0	0.0	0.000146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587123	4153426	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587137	4153358	DieselExhPM	0.00094	0.0	0.0	0.0	0.0	0.0	0.0	0.000188	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587177	4153333	DieselExhPM	0.00091	0.0	0.0	0.0	0.0	0.0	0.0	0.000182	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587217	4153308	DieselExhPM	0.00088	0.0	0.0	0.0	0.0	0.0	0.0	0.000176	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587257	4153283	DieselExhPM	0.00085	0.0	0.0	0.0	0.0	0.0	0.0	0.00017	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587297	4153258	DieselExhPM	0.00082	0.0	0.0	0.0	0.0	0.0	0.0	0.000164	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587337	4153233	DieselExhPM	0.00079	0.0	0.0	0.0	0.0	0.0	0.0	0.000158	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587377	4153208	DieselExhPM	0.00077	0.0	0.0	0.0	0.0	0.0	0.0	0.000154	0.0	0.0	0.0	0.0	0.0	0.0	0.0

587417	4153183	DieselExhPM	0.00074	0.0	0.0	0.0	0.0	0.0	0.0	0.000148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587457	4153158	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587163	4153400	DieselExhPM	0.00069	0.0	0.0	0.0	0.0	0.0	0.0	0.000138	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587203	4153375	DieselExhPM	0.00066	0.0	0.0	0.0	0.0	0.0	0.0	0.000132	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587243	4153350	DieselExhPM	0.00064	0.0	0.0	0.0	0.0	0.0	0.0	0.000128	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587283	4153325	DieselExhPM	0.00062	0.0	0.0	0.0	0.0	0.0	0.0	0.000124	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587323	4153300	DieselExhPM	0.0006	0.0	0.0	0.0	0.0	0.0	0.0	0.00012	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587363	4153275	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587403	4153250	DieselExhPM	0.00056	0.0	0.0	0.0	0.0	0.0	0.0	0.000112	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587444	4153225	DieselExhPM	0.00054	0.0	0.0	0.0	0.0	0.0	0.0	0.000108	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587484	4153200	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 0.75

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0.75
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.
Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating cancer risk
Cancer risk saved to: F:\Jobs\25700013\HARP\WorkerCancer_CancerRisk.csv
HRA ran successfully

UTME	UTMN	Pollutant	Conc (ug/m3)	Risk	Scenario	Inhalation Risk
586023.01	4153808.68	DieselExhPM	0.00266	2.1644e-08	0.75YrCancerHighEnd_Inh	2.1644e-08
586004.54	4153780.36	DieselExhPM	0.00383	3.1165e-08	0.75YrCancerHighEnd_Inh	3.1165e-08
586058.72	4153788.98	DieselExhPM	0.00281	2.2865e-08	0.75YrCancerHighEnd_Inh	2.2865e-08
586035.32	4153756.96	DieselExhPM	0.00479	3.8976e-08	0.75YrCancerHighEnd_Inh	3.8976e-08
586090.74	4153771.74	DieselExhPM	0.00302	2.4574e-08	0.75YrCancerHighEnd_Inh	2.4574e-08
586071.04	4153733.56	DieselExhPM	0.00614	4.9961e-08	0.75YrCancerHighEnd_Inh	4.9961e-08
586119.06	4153754.5	DieselExhPM	0.00327	2.6608e-08	0.75YrCancerHighEnd_Inh	2.6608e-08
586100.81	4153714.66	DieselExhPM	0.00725	5.8993e-08	0.75YrCancerHighEnd_Inh	5.8993e-08
586269.3	4153781.59	DieselExhPM	0.00137	1.1148e-08	0.75YrCancerHighEnd_Inh	1.1148e-08
586247.13	4153748.34	DieselExhPM	0.00194	1.5786e-08	0.75YrCancerHighEnd_Inh	1.5786e-08
586213.88	4153720.02	DieselExhPM	0.00307	2.4981e-08	0.75YrCancerHighEnd_Inh	2.4981e-08
586173.25	4153702.78	DieselExhPM	0.00512	4.1661e-08	0.75YrCancerHighEnd_Inh	4.1661e-08
586149.85	4153670.76	DieselExhPM	0.01146	9.325e-08	0.75YrCancerHighEnd_Inh	9.325e-08
586116.6	4153612.88	DieselExhPM	0.02337	1.9016e-07	0.75YrCancerHighEnd_Inh	1.9016e-07
586197.87	4153694.16	DieselExhPM	0.0048	3.9058e-08	0.75YrCancerHighEnd_Inh	3.9058e-08
586175.13	4153661.7	DieselExhPM	0.00924	7.5186e-08	0.75YrCancerHighEnd_Inh	7.5186e-08
586164.49	4153629.69	DieselExhPM	0.01325	1.0782e-07	0.75YrCancerHighEnd_Inh	1.0782e-07
586138.77	4153591.95	DieselExhPM	0.0174	1.4158e-07	0.75YrCancerHighEnd_Inh	1.4158e-07
586101.82	4153556.24	DieselExhPM	0.02093	1.7031e-07	0.75YrCancerHighEnd_Inh	1.7031e-07
586090.74	4153521.76	DieselExhPM	0.01926	1.5672e-07	0.75YrCancerHighEnd_Inh	1.5672e-07
586032.55	4153360.21	DieselExhPM	0.01464	1.1913e-07	0.75YrCancerHighEnd_Inh	1.1913e-07
586160.36	4153831.28	DieselExhPM	0.00133	1.0822e-08	0.75YrCancerHighEnd_Inh	1.0822e-08
586179.4	4153818.53	DieselExhPM	0.00136	1.1066e-08	0.75YrCancerHighEnd_Inh	1.1066e-08
586170.78	4153859.17	DieselExhPM	0.00112	9.1134e-09	0.75YrCancerHighEnd_Inh	9.1134e-09
586192.15	4153845.62	DieselExhPM	0.00113	9.1948e-09	0.75YrCancerHighEnd_Inh	9.1948e-09
586091.97	4153893.65	DieselExhPM	0.00123	1.0008e-08	0.75YrCancerHighEnd_Inh	1.0008e-08
585993.46	4153915.82	DieselExhPM	0.00116	9.4389e-09	0.75YrCancerHighEnd_Inh	9.4389e-09
585942.97	4153888.73	DieselExhPM	0.00139	1.131e-08	0.75YrCancerHighEnd_Inh	1.131e-08
585958.97	4153873.95	DieselExhPM	0.00156	1.2694e-08	0.75YrCancerHighEnd_Inh	1.2694e-08
585923.26	4153872.72	DieselExhPM	0.00154	1.2531e-08	0.75YrCancerHighEnd_Inh	1.2531e-08
585951.59	4153855.48	DieselExhPM	0.00182	1.4809e-08	0.75YrCancerHighEnd_Inh	1.4809e-08
585935.58	4153825.92	DieselExhPM	0.00235	1.9122e-08	0.75YrCancerHighEnd_Inh	1.9122e-08
585897.4	4153833.31	DieselExhPM	0.00197	1.603e-08	0.75YrCancerHighEnd_Inh	1.603e-08
585821.05	4153752.04	DieselExhPM	0.00205	1.6681e-08	0.75YrCancerHighEnd_Inh	1.6681e-08
585854.3	4153728.64	DieselExhPM	0.00315	2.5632e-08	0.75YrCancerHighEnd_Inh	2.5632e-08
585764.41	4153654.75	DieselExhPM	0.0021	1.7088e-08	0.75YrCancerHighEnd_Inh	1.7088e-08
585809.97	4153617.81	DieselExhPM	0.00441	3.5884e-08	0.75YrCancerHighEnd_Inh	3.5884e-08

585727.46	4153686.77	DieselExhPM	0.00131	1.0659e-08	0.75YrCancerHighEnd_Inh	1.0659e-08
585727.46	4153557.47	DieselExhPM	0.00202	1.6437e-08	0.75YrCancerHighEnd_Inh	1.6437e-08
585632.64	4153593.18	DieselExhPM	0.00071	5.7773e-09	0.75YrCancerHighEnd_Inh	5.7773e-09
585596.93	4153643.67	DieselExhPM	0.00051	4.1499e-09	0.75YrCancerHighEnd_Inh	4.1499e-09
585574.77	4153605.49	DieselExhPM	0.00047	3.8244e-09	0.75YrCancerHighEnd_Inh	3.8244e-09
585567.38	4153643.67	DieselExhPM	0.00043	3.4989e-09	0.75YrCancerHighEnd_Inh	3.4989e-09
585535.36	4153612.88	DieselExhPM	0.00037	3.0107e-09	0.75YrCancerHighEnd_Inh	3.0107e-09
585493.49	4153487.28	DieselExhPM	0.00036	2.9293e-09	0.75YrCancerHighEnd_Inh	2.9293e-09
585518.78	4153470.47	DieselExhPM	0.00041	3.3362e-09	0.75YrCancerHighEnd_Inh	3.3362e-09
585547.74	4153454.68	DieselExhPM	0.00048	3.9058e-09	0.75YrCancerHighEnd_Inh	3.9058e-09
585580.64	4153439.69	DieselExhPM	0.00058	4.7195e-09	0.75YrCancerHighEnd_Inh	4.7195e-09
585613.45	4153422.45	DieselExhPM	0.00071	5.7773e-09	0.75YrCancerHighEnd_Inh	5.7773e-09
585463.94	4153364.13	DieselExhPM	0.00031	2.5225e-09	0.75YrCancerHighEnd_Inh	2.5225e-09
585494.72	4153348.12	DieselExhPM	0.00035	2.8479e-09	0.75YrCancerHighEnd_Inh	2.8479e-09
585535.36	4153333.35	DieselExhPM	0.00041	3.3362e-09	0.75YrCancerHighEnd_Inh	3.3362e-09
585486.1	4153302.56	DieselExhPM	0.00031	2.5225e-09	0.75YrCancerHighEnd_Inh	2.5225e-09
585729.93	4153314.87	DieselExhPM	0.00116	9.4389e-09	0.75YrCancerHighEnd_Inh	9.4389e-09
585702.84	4153157.25	DieselExhPM	0.00039	3.1734e-09	0.75YrCancerHighEnd_Inh	3.1734e-09
585924.49	4153027.95	DieselExhPM	0.00023	1.8715e-09	0.75YrCancerHighEnd_Inh	1.8715e-09
586381.36	4153684.31	DieselExhPM	0.0019	1.546e-08	0.75YrCancerHighEnd_Inh	1.546e-08
586311.17	4153556.24	DieselExhPM	0.00505	4.1092e-08	0.75YrCancerHighEnd_Inh	4.1092e-08
586272.99	4153471.27	DieselExhPM	0.0059	4.8008e-08	0.75YrCancerHighEnd_Inh	4.8008e-08
586218.81	4153389.99	DieselExhPM	0.00593	4.8252e-08	0.75YrCancerHighEnd_Inh	4.8252e-08
585855.89	4153993.33	DieselExhPM	0.00074	6.0214e-09	0.75YrCancerHighEnd_Inh	6.0214e-09
585881.75	4153979.2	DieselExhPM	0.0008	6.5096e-09	0.75YrCancerHighEnd_Inh	6.5096e-09
585840.76	4153965.07	DieselExhPM	0.00081	6.591e-09	0.75YrCancerHighEnd_Inh	6.591e-09
585830.5	4153710.51	DieselExhPM	0.00286	2.3272e-08	0.75YrCancerHighEnd_Inh	2.3272e-08
585842.5	4153704.6	DieselExhPM	0.00337	2.7422e-08	0.75YrCancerHighEnd_Inh	2.7422e-08
585716.26	4153716.4	DieselExhPM	0.00108	8.7879e-09	0.75YrCancerHighEnd_Inh	8.7879e-09
585732.98	4153706.11	DieselExhPM	0.00128	1.0415e-08	0.75YrCancerHighEnd_Inh	1.0415e-08
585824.3	4153059.9	DieselExhPM	0.00027	2.197e-09	0.75YrCancerHighEnd_Inh	2.197e-09
585757.46	4153777.42	DieselExhPM	0.00118	9.6016e-09	0.75YrCancerHighEnd_Inh	9.6016e-09
585821.12	4153803.1	DieselExhPM	0.00158	1.2856e-08	0.75YrCancerHighEnd_Inh	1.2856e-08
585801.25	4153814.24	DieselExhPM	0.00134	1.0904e-08	0.75YrCancerHighEnd_Inh	1.0904e-08
586070.57	4153576.44	DieselExhPM	0.02928	2.3825e-07	0.75YrCancerHighEnd_Inh	2.3825e-07

GLCs loaded successfully
Pollutants loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: NCChronic
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors
NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.
Worker adjustments factors enabled: YES
GLC adjustment factor: 4.2
Exposure frequency: 250

Fraction at time at home
NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

****
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.
Tier2 - What was changed: ED or start age changed|
Calculating chronic risk
Chronic risk saved to: F:\Jobs\25700013\HARP\WorkerChronic_NCChronicRisk.csv
HRA ran successfully

*HARP - HRACalc v22118 5/10/2024 5:15:04 PM -
Chronic Risk - Input File: F:\Jobs\25700013\HARP\WorkerChronic_HRAInput.hra

UTME	UTMN	Pollutant	Conc (ug/m3)	CV	CNS	IMMUN	KIDNEY	GILV	REPRO	RESP	SKIN	EYE	B/T	ENDO	BLOOD	ODOR	GEN
586023.01	4153808.68	DieselExhPM	0.00266	0.0	0.0	0.0	0.0	0.0	0.0	0.000532	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586004.54	4153780.36	DieselExhPM	0.00383	0.0	0.0	0.0	0.0	0.0	0.0	0.000766	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586058.72	4153788.98	DieselExhPM	0.00281	0.0	0.0	0.0	0.0	0.0	0.0	0.000562	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586035.32	4153756.96	DieselExhPM	0.00479	0.0	0.0	0.0	0.0	0.0	0.0	0.000958	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586090.74	4153771.74	DieselExhPM	0.00302	0.0	0.0	0.0	0.0	0.0	0.0	0.000604	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586071.04	4153733.56	DieselExhPM	0.00614	0.0	0.0	0.0	0.0	0.0	0.0	0.001228	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586119.06	4153754.5	DieselExhPM	0.00327	0.0	0.0	0.0	0.0	0.0	0.0	0.000654	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586100.81	4153714.66	DieselExhPM	0.00725	0.0	0.0	0.0	0.0	0.0	0.0	0.00145	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586269.3	4153781.59	DieselExhPM	0.00137	0.0	0.0	0.0	0.0	0.0	0.0	0.000274	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586247.13	4153748.34	DieselExhPM	0.00194	0.0	0.0	0.0	0.0	0.0	0.0	0.000388	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586213.88	4153720.02	DieselExhPM	0.00307	0.0	0.0	0.0	0.0	0.0	0.0	0.000614	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586173.25	4153702.78	DieselExhPM	0.00512	0.0	0.0	0.0	0.0	0.0	0.0	0.001024	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586149.85	4153670.76	DieselExhPM	0.01146	0.0	0.0	0.0	0.0	0.0	0.0	0.002292	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586116.6	4153612.88	DieselExhPM	0.02337	0.0	0.0	0.0	0.0	0.0	0.0	0.004674	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586197.87	4153694.16	DieselExhPM	0.0048	0.0	0.0	0.0	0.0	0.0	0.0	0.00096	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586175.13	4153661.7	DieselExhPM	0.00924	0.0	0.0	0.0	0.0	0.0	0.0	0.001848	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586164.49	4153629.69	DieselExhPM	0.01325	0.0	0.0	0.0	0.0	0.0	0.0	0.00265	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586138.77	4153591.95	DieselExhPM	0.0174	0.0	0.0	0.0	0.0	0.0	0.0	0.00348	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586101.82	4153556.24	DieselExhPM	0.02093	0.0	0.0	0.0	0.0	0.0	0.0	0.004186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586090.74	4153521.76	DieselExhPM	0.01926	0.0	0.0	0.0	0.0	0.0	0.0	0.003852	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586032.55	4153360.21	DieselExhPM	0.01464	0.0	0.0	0.0	0.0	0.0	0.0	0.002928	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586160.36	4153831.28	DieselExhPM	0.00133	0.0	0.0	0.0	0.0	0.0	0.0	0.000266	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586179.4	4153818.53	DieselExhPM	0.00136	0.0	0.0	0.0	0.0	0.0	0.0	0.000272	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586170.78	4153859.17	DieselExhPM	0.00112	0.0	0.0	0.0	0.0	0.0	0.0	0.000224	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586192.15	4153845.62	DieselExhPM	0.00113	0.0	0.0	0.0	0.0	0.0	0.0	0.000226	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586091.97	4153893.65	DieselExhPM	0.00123	0.0	0.0	0.0	0.0	0.0	0.0	0.000246	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585993.46	4153915.82	DieselExhPM	0.00116	0.0	0.0	0.0	0.0	0.0	0.0	0.000232	0.0	0.0	0.0	0.0	0.0	0.0	0.0

585942.97	4153888.73	DieselExhPM	0.00139	0.0	0.0	0.0	0.0	0.0	0.0	0.000278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585958.97	4153873.95	DieselExhPM	0.00156	0.0	0.0	0.0	0.0	0.0	0.0	0.000312	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585923.26	4153872.72	DieselExhPM	0.00154	0.0	0.0	0.0	0.0	0.0	0.0	0.000308	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585951.59	4153855.48	DieselExhPM	0.00182	0.0	0.0	0.0	0.0	0.0	0.0	0.000364	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585935.58	4153825.92	DieselExhPM	0.00235	0.0	0.0	0.0	0.0	0.0	0.0	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585897.4	4153833.31	DieselExhPM	0.00197	0.0	0.0	0.0	0.0	0.0	0.0	0.000394	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585821.05	4153752.04	DieselExhPM	0.00205	0.0	0.0	0.0	0.0	0.0	0.0	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585854.3	4153728.64	DieselExhPM	0.00315	0.0	0.0	0.0	0.0	0.0	0.0	0.00063	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585764.41	4153654.75	DieselExhPM	0.0021	0.0	0.0	0.0	0.0	0.0	0.0	0.00042	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585809.97	4153617.81	DieselExhPM	0.00441	0.0	0.0	0.0	0.0	0.0	0.0	0.000882	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585727.46	4153686.77	DieselExhPM	0.00131	0.0	0.0	0.0	0.0	0.0	0.0	0.000262	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585727.46	4153557.47	DieselExhPM	0.00202	0.0	0.0	0.0	0.0	0.0	0.0	0.000404	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585632.64	4153593.18	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585596.93	4153643.67	DieselExhPM	0.00051	0.0	0.0	0.0	0.0	0.0	0.0	0.000102	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585574.77	4153605.49	DieselExhPM	0.00047	0.0	0.0	0.0	0.0	0.0	0.0	9.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585567.38	4153643.67	DieselExhPM	0.00043	0.0	0.0	0.0	0.0	0.0	0.0	8.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585535.36	4153612.88	DieselExhPM	0.00037	0.0	0.0	0.0	0.0	0.0	0.0	7.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585493.49	4153487.28	DieselExhPM	0.00036	0.0	0.0	0.0	0.0	0.0	0.0	7.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585518.78	4153470.47	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585547.74	4153454.68	DieselExhPM	0.00048	0.0	0.0	0.0	0.0	0.0	0.0	9.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585580.64	4153439.69	DieselExhPM	0.00058	0.0	0.0	0.0	0.0	0.0	0.0	0.000116	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585613.45	4153422.45	DieselExhPM	0.00071	0.0	0.0	0.0	0.0	0.0	0.0	0.000142	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585463.94	4153364.13	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585494.72	4153348.12	DieselExhPM	0.00035	0.0	0.0	0.0	0.0	0.0	0.0	7e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585535.36	4153333.35	DieselExhPM	0.00041	0.0	0.0	0.0	0.0	0.0	0.0	8.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585486.1	4153302.56	DieselExhPM	0.00031	0.0	0.0	0.0	0.0	0.0	0.0	6.2e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585729.93	4153314.87	DieselExhPM	0.00116	0.0	0.0	0.0	0.0	0.0	0.0	0.000232	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585702.84	4153157.25	DieselExhPM	0.00039	0.0	0.0	0.0	0.0	0.0	0.0	7.8e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585924.49	4153027.95	DieselExhPM	0.00023	0.0	0.0	0.0	0.0	0.0	0.0	4.6e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586381.36	4153684.31	DieselExhPM	0.0019	0.0	0.0	0.0	0.0	0.0	0.0	0.00038	0.0	0.0	0.0	0.0	0.0	0.0	0.0

586311.17	4153556.24	DieselExhPM	0.00505	0.0	0.0	0.0	0.0	0.0	0.0	0.00101	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586272.99	4153471.27	DieselExhPM	0.0059	0.0	0.0	0.0	0.0	0.0	0.0	0.00118	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586218.81	4153389.99	DieselExhPM	0.00593	0.0	0.0	0.0	0.0	0.0	0.0	0.001186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585855.89	4153993.33	DieselExhPM	0.00074	0.0	0.0	0.0	0.0	0.0	0.0	0.000148	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585881.75	4153979.2	DieselExhPM	0.0008	0.0	0.0	0.0	0.0	0.0	0.0	0.00016	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585840.76	4153965.07	DieselExhPM	0.00081	0.0	0.0	0.0	0.0	0.0	0.0	0.000162	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585830.5	4153710.51	DieselExhPM	0.00286	0.0	0.0	0.0	0.0	0.0	0.0	0.000572	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585842.5	4153704.6	DieselExhPM	0.00337	0.0	0.0	0.0	0.0	0.0	0.0	0.000674	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585716.26	4153716.4	DieselExhPM	0.00108	0.0	0.0	0.0	0.0	0.0	0.0	0.000216	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585732.98	4153706.11	DieselExhPM	0.00128	0.0	0.0	0.0	0.0	0.0	0.0	0.000256	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585824.3	4153059.9	DieselExhPM	0.00027	0.0	0.0	0.0	0.0	0.0	0.0	5.4e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585757.46	4153777.42	DieselExhPM	0.00118	0.0	0.0	0.0	0.0	0.0	0.0	0.000236	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585821.12	4153803.1	DieselExhPM	0.00158	0.0	0.0	0.0	0.0	0.0	0.0	0.000316	0.0	0.0	0.0	0.0	0.0	0.0	0.0
585801.25	4153814.24	DieselExhPM	0.00134	0.0	0.0	0.0	0.0	0.0	0.0	0.000268	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586070.57	4153576.44	DieselExhPM	0.02928	0.0	0.0	0.0	0.0	0.0	0.0	0.005856	0.0	0.0	0.0	0.0	0.0	0.0	0.0

6756 Central Avenue Warehouse Project

Summary of Fossil Fuel Energy Use During Construction

Construction equipment fuel	45,178	gallons (diesel)
Construction vehicle fuel	41,035	gallons (gasoline, diesel)
Total construction fuel	**86,214**	**gallons (gasoline, diesel)**

Summary of Energy Use During Construction - Electricity

Year	kWh per Year
2025	0
2026	0

6756 Central Avenue Warehouse Project

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor	PhaseDays	FuelConsumption
Demolition	Concrete/Industrial Saws	Diesel	Tier 4 Interim	1	8	33	0.73	20	208.1
Demolition	Excavators	Diesel	Tier 4 Interim	3	8	36	0.38	20	354.6
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2	8	367	0.4	20	2536.7
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3	8	367	0.4	20	3805.1
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4	8	84	0.37	20	1074.1
Grading	Excavators	Diesel	Tier 4 Interim	2	8	36	0.38	15	177.3
Grading	Graders	Diesel	Tier 4 Interim	1	8	148	0.41	15	393.2
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1	8	367	0.4	15	951.3
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	2	8	84	0.37	15	402.8
Grading	Scrapers	Diesel	Tier 4 Interim	2	8	423	0.48	15	2631.4
Building Construction	Cranes	Diesel	Tier 4 Interim	2	7	367	0.29	137	11023.2
Building Construction	Forklifts	Diesel	Tier 4 Interim	6	8	82	0.2	137	5823.7
Building Construction	Generator Sets	Diesel	Tier 4 Interim	2	8	14	0.74	137	1226.3
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	6	7	84	0.37	137	9657.1
Building Construction	Welders	Diesel	Tier 4 Interim	2	8	46	0.45	137	2450.2
Paving	Pavers	Diesel	Tier 4 Interim	2	8	81	0.42	33	970.0
Paving	Paving Equipment	Diesel	Tier 4 Interim	2	8	89	0.36	33	913.5
Paving	Rollers	Diesel	Tier 4 Interim	2	8	36	0.38	33	390.0
Architectural Coating	Air Compressors	Diesel	Tier 4 Interim	1	6	37	0.48	33	189.9
								gallons	45178.4

ARB 2021, Low Emission Diesel (LED) Study: Biodiesel and Renewable Diesel Emissions in Legacy and New Technology Diesel Engines, November 2021
Average Value for CARB Reference Fuel - Nonroad Transient Cycle - BSFC = 0.054 gal/bhp-hr

Off-Road Construction Equipment
Fuel Consumption

6756 Central Avenue Warehouse Project
Energy Calculations - Construction Vehicle Fuel
Source: CalEEMod Output, EMFAC2021 v1.0.2

Vehicle Type	Total VMT (mi)	mi/gal	gal	Vehicle Cat
Worker	239,462	26.80	8,934	LDA,LDT1,LDT2
Vendor	66,695	6.86	9,715	HHDT,MHDT
Hauling	134,840	6.02	22,386	HHDT
Onsite truck	0	6.02	0	HHDT
	440,996		**41,035**	**gallons**
	Combined VMT			

Note: Fuel Economy Factors are from EMFAC2021 for: Alameda

6756 Central Avenue Warehouse Project
Energy Calculations - Building Electricity Consumption

Operational Year	**2026**
County	**Alameda**

Building Energy Fuel	**Electricity (kWh/yr)**	**Natural Gas (MMBTU/yr)**
Unrefrigerated Warehouse-No Rail	3,250,766	-
User Defined Industrial	0	-
Parking Lot	338,802	-
Total Building Energy	**3,589,568**	-

6756 Central Avenue Warehouse Project
Energy Calculations
Onroad Mobile Sources

Operational Year	**2026**	
County	**Alameda**	
Gasoline	**351,158**	**gallons**
Diesel	**405,930**	**gallons**
Natural Gas	**35,887**	**gallons**
Electricity	**291,309**	**kw-hr**

6756 Central Avenue Warehouse Project
Energy Calculations - Operations Fuel Use from Mobile Sources

Alameda	Annual VMT	LDA	LDT1	LDT2	MDV
2026	**10,404,535**	57.35%	4.59%	24.59%	13.47%

Total Operational FUEL Consumption for ALL LAND USES (gallons for fuels, Kw-hr for electricity)

Fuel	All Vehicles	LDA	LDT1	LDT2	MDV
Gasoline	**350,871**	**171273**	**18175**	**97914**	**63508**
Diesel	**1,417**	**416**	**9**	**265**	**728**
Electricity	**241,904**	**217372**	**884**	**12361**	**11287**

Fuel Consumption by Vehicle Category

Fuel Consumption for CVMT	Units	LDA	LDT1	LDT2	MDV
Gasoline	**gal**	168628	18160	97550	63284
Diesel	**gal**	416	9	265	728
Plug-in Hybrid (Gasoline)	**gal**	2645	15	364	224
Fuel Consumption for EVMT	**Units**	**LDA**	**LDT1**	**LDT2**	**MDV**
Electricity	**kwhr**	**184061**	**661**	**7646**	**8397**
Plug-in Hybrid (Electricity)	**kwhr**	**33311**	**223**	**4715**	**2890**

Fuel Consumption Factors	Units	LDA	LDT1	LDT2	MDV
Gasoline	mi/gal	31.3	26.2	25.7	21.3
Diesel	mi/gal	43.5	24.2	33.9	25.7
Natural Gas	mi/gal				
Plug-in Hybrid	mi/gal	30.3	30.2	30.1	29.8

Fuel Consumption Factors	Units	LDA	LDT1	LDT2	MDV
Electricity	kwhr/mi	0.37	0.36	0.35	0.36
Plug-in Hybrid	kwhr/mi	0.37	0.36	0.35	0.36

Total VMT Fraction by Fuel and Vehicle Category

Fuel	LDA	LDT1	LDT2	MDV
Gasoline	88.6%	99.3%	97.8%	96.0%
Diesel	0.3%	0.0%	0.4%	1.3%
Electricity	8.3%	0.4%	0.9%	1.7%
Plug-in Hybrid	2.8%	0.2%	1.0%	1.0%
totals	100%	100%	100%	100%

CVMT by EMFAC Vehicle Type

Fuel	LDA	LDT1	LDT2	MDV
Plug-in Hybrid	47%	43%	45%	45%

EVMT by EMFAC Vehicle Type

Fuel	LDA	LDT1	LDT2	MDV
Electricity	100%	100%	100%	100%
Plug-in Hybrid	53%	57%	55%	55%

6756 Central Avenue Warehouse Project
Energy Calculations - Operations Fuel Use from Mobile Sources

Alameda	Annual VMT	HHDT
2026	**2,706,264**	100%

Total Operational FUEL Consumption for ALL LAND USES (gallons for fuels, Kw-hr for electricity)

Fuel	All Vehicles	HHDT
Gasoline	**287**	**287**
Diesel	**404,513**	**404513**
Natural Gas	**35,887**	**35887**
Electricity	**49,405**	**49405**

Fuel Consumption by Vehicle Category

Fuel Consumption for CVMT	Units	HHDT
Gasoline	**gal**	287
Diesel	**gal**	404513
Natural Gas	**gal**	35887
Fuel Consumption for EVMT	**Units**	**HHDT**
Electricity	**kwhr**	**49405**

Fuel Consumption Factors	Units	HHDT
Diesel	mi/gal	6.2
Natural Gas	mi/gal	5.3

Fuel Consumption Factors	Units	HHDT
Electricity	kwhr/mi	1.84

Total VMT Fraction by Fuel and Vehicle Category

Fuel	HHDT
Diesel	92.0%
Natural Gas	7.0%
Electricity	1.0%
totals	100%

CVMT by EMFAC Vehicle Type

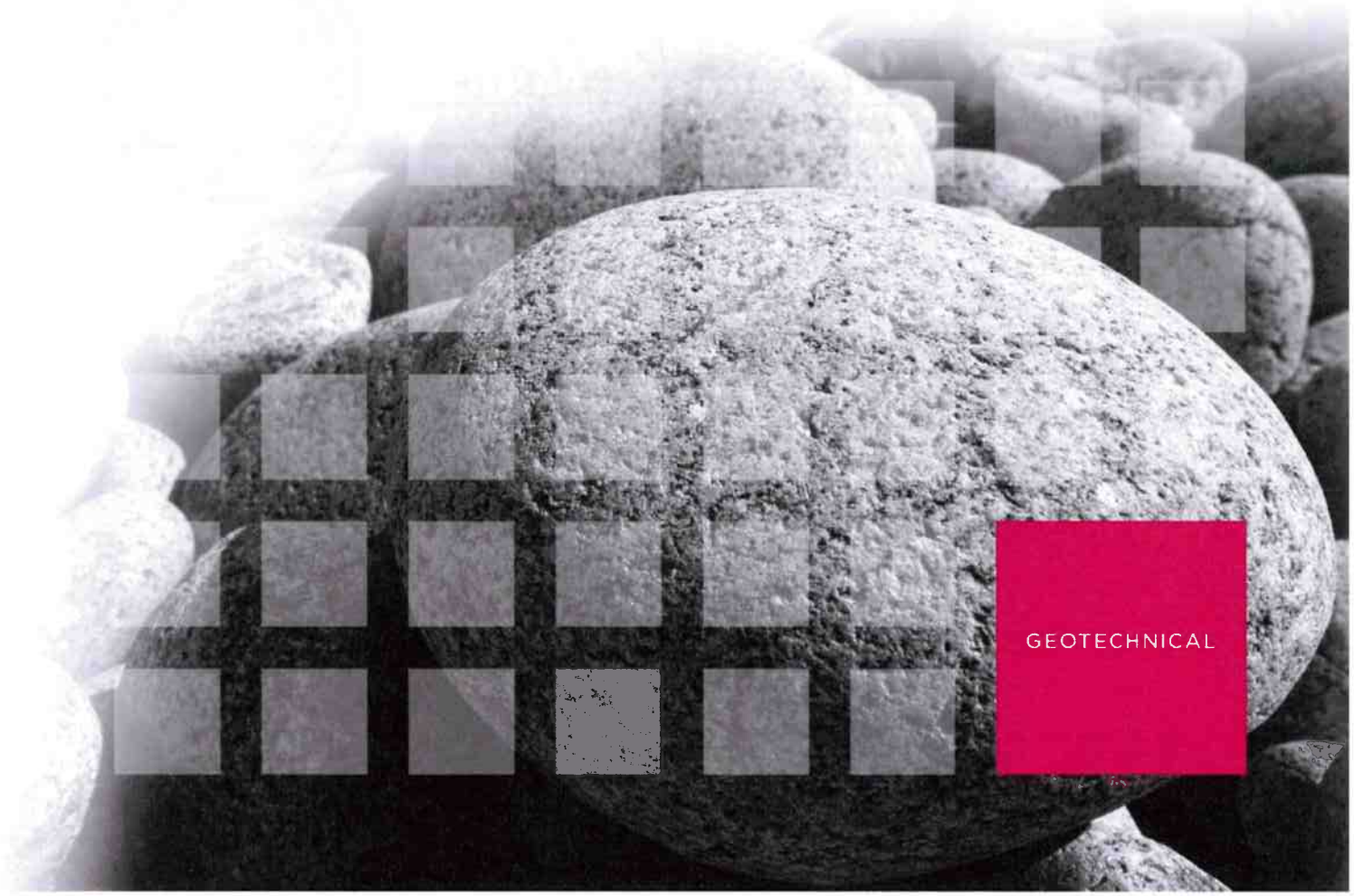
Fuel	HHDT
Diesel	100%
Natural Gas	100%

EVMT by EMFAC Vehicle Type

Fuel	HHDT
Electricity	100%

CORNERSTONE EARTH GROUP

TYPE OF SERVICES	Geotechnical Investigation
PROJECT NAME	Central Avenue Logistics Center
LOCATION	6750 Central Avenue Newark, California
CLIENT	Prologis
PROJECT NUMBER	555-26-1
DATE	October 13, 2022



CORNERSTONE EARTH GROUP

Type of Services	**Geotechnical Investigation**
Project Name	**Central Avenue Logistics Center**
Location	**6750 Central Avenue Newark, California**
Client	**Prologis**
Client Address	**815 International Parkway Tracy, California**
Project Number	**555-26-1**
Date	**October 13, 2022**

Prepared by

Maura Ruffatto

Maura F. Ruffatto, P.E.
Principal Engineer
Geotechnical Project Manager



Danh T. Tran, P.E.
Senior Principal Engineer
Quality Assurance Reviewer

1259 Oakmead Parkway | Sunnyvale, CA 94085
T 408 245 4600 | F 408 245 4620

1220 Oakland Boulevard, Suite 220 | Walnut Creek, CA 94596
T 925 988 9500 | F 925 988 9501

www.cornerstoneearth.com

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CORNERSTONE EARTH GROUP

Type of Services	**Geotechnical Investigation**
Project Name	**Central Avenue Logistics Center**
Location	**6752 Central Avenue** **Newark, California**

SECTION 1: INTRODUCTION

This geotechnical report was prepared for the sole use of Prologis for the Central Avenue Logistics Center project in Newark, California. The location of the site is shown on the Vicinity Map, Figure 1. For our use, we were provided with the following documents:

- A topographic survey of the site titled, "ALTA/NSPS Land Title Survey," prepared by Kier + Wright, dated May 2, 2019.
- A preliminary landscape plan titled, "Preliminary Landscape Plan," provided by Green Design Landscape Architects, Inc., dated December 9, 2021.
- An untitled preliminary site plan prepared by Jackson Liles Architecture, dated February 11, 2022.
- A preliminary geotechnical investigation titled, "6756-6792 Central Avenue, Newark, California," published by Kleinfelder, dated November 4, 2019.
- A groundwater monitoring and request for site closure report provided by Farallon Consulting, dated March 24, 2022.

1.1 PROJECT DESCRIPTION

The project will consist of redeveloping the approximately 17.4-acre, multiple parcel site for a new logistics warehouse. The proposed warehouse will have a footprint of about 311,000 square feet and will include about 30,000 square feet of office space. We anticipate the structure will have an interior clear height of about 36 to 40 feet and be of concrete tilt-up construction. The truck court is located along the east side of the building and depressed about 3½ feet below the finished floor. At-grade auto and trailer parking and drive aisles will cover the remainder of the site. Appurtenant utilities, landscaping, storm water management areas, and other improvements necessary for overall site development will also be constructed.

Structural loads are not known at this time; however, loads are expected to be typical of this type of construction. Site grading with cuts and fills on the order of 2 to 5 feet are estimated.

1.2 SCOPE OF SERVICES

Our scope of services was presented in our proposal dated July 8, 2022, and consisted of field and laboratory programs to evaluate physical and engineering properties of the subsurface soils, engineering analysis to prepare recommendations for site work and grading, building foundations, flatwork, retaining walls, and pavements, and preparation of this report. Brief descriptions of our exploration and laboratory programs are presented below.

1.3 EXPLORATION PROGRAM

Field exploration consisted of eight borings drilled on August 16 through 19, 2022 with truck-mounted, hollow-stem auger drilling equipment and five Cone Penetration Tests (CPTs) advanced on August 10 and 11, 2022. The borings were drilled to depths of 25 to 80 feet; the CPTs were advanced to depths of 50 to 100 feet. Seismic shear wave velocity measurements were collected from CPT-5. Borings EB-1 through EB-4, and EB-7 were advanced adjacent to CPT-1 through CPT-5, respectively, for direct evaluation of physical samples to correlated soil behavior.

The borings and CPTs were backfilled with cement grout in accordance with local requirements; exploration permits were obtained as required by local jurisdictions.

The approximate locations of our exploratory borings are shown on the Site Plan, Figure 2. Details regarding our field program are included in Appendix A.

1.3 PREVIOUS FIELD EXPLORATION

Previous field exploration was performed by Kleinfelder in October 2019 and consisted of three Cone Penetration Test (CPT) soundings using truck-mounted exploration equipment. The approximate locations of the previous explorations are also shown on the Site Plan, Figure 2. Copies of the previous exploration logs are included in Appendix C.

1.4 LABORATORY TESTING PROGRAM

In addition to visual classification of samples, the laboratory program focused on obtaining data for foundation design and seismic ground deformation estimates. Testing included moisture contents, dry densities, washed sieve analyses, Plasticity Index tests, one-dimensional consolidation, and triaxial compression tests. Details regarding our laboratory program are included in Appendix B.

1.5 CORROSION EVALUATION

Five samples from our borings at depths between 3½ to 5½ feet were tested for saturated resistivity, pH, and soluble sulfates and chlorides. In general, the on-site soils can be

characterized as severely to very severely corrosive to buried metal, and non-corrosive to buried concrete. Please refer to Section 3 for further information.

1.6 ENVIRONMENTAL SERVICES

Environmental services were not requested for this project. If environmental concerns are determined to be present during future evaluations, the project environmental consultant should review our geotechnical recommendations for compatibility with the environmental concerns.

SECTION 2: REGIONAL SETTING

2.1 GEOLOGICAL SETTING

The site is located on the gently southwest sloping East Bay Plain between the East Bay Hills and San Francisco Bay. Soils in this area of the East Bay Plain were generally deposited by Alameda Creek. The majority of the site is mapped by Witter, et al. (2006) as being underlain by *older alluvial fan deposits* (Qhf3), which is described as "sediment deposited onto alluvial valley floors or alluvial plains…Alluvial fan sediments include sand, gravel, silt and clay, and is moderately to poorly sorted, and moderately to poorly bedded." Qhf3 is the oldest of the three mapped Holocene alluvial fan units. Witter et al.'s Qhf3 unit corresponds to the Qf unit described in CGS (2003) as *latest Pleistocene to Holocene alluvial fan deposits*.

The southern corner of the site is mapped by both Witter et al. and CGS as Holocene alluvial fan deposits, fine facies (Qhff), which is described by Witter et al. as "dominated by clay and silt, with interbedded lobes of coarser alluvium (sand and occasional gravel)."

2.2 REGIONAL SEISMICITY

While seismologists cannot predict earthquake events, geologists from the U.S. Geological Survey have recently updated (in 2015) earlier estimates from their 2014 Uniform California Earthquake Rupture Forecast (Version 3; UCERF3) publication. The estimated probability of one or more magnitude 6.7 earthquakes (the size of the destructive 1994 Northridge earthquake) expected to occur somewhere in the San Francisco Bay Area has been revised (increased) to 72 percent for the period 2014 to 2043 (Aagaard et al., 2016). The faults in the region with the highest estimated probability of generating damaging earthquakes between 2014 and 2043 are the Hayward (33%), Calaveras (26%), and San Andreas Faults (22%). In this 30-year period, the probability of an earthquake of magnitude 6.7 or larger occurring is 22 percent along the San Andreas Fault and 33 percent for the Hayward Fault.

The faults considered capable of generating significant earthquakes are generally associated with the well-defined areas of crustal movement, which trend northwesterly. The table below presents the State-considered active faults within 25 kilometers of the site.

Table 1: Approximate Fault Distances

Fault Name	Distance	
	(miles)	(kilometers)
Hayward (Total Length)	4.2	6.7
Hayward (Southeast Extension)	8.0	12.9
Calaveras	9.2	14.8
Monte Vista-Shannon	12.6	20.3
San Andreas (1906)	14.6	23.5

A regional fault map is presented as Figure 3, illustrating the relative distances of the site to significant fault zones.

SECTION 3: SITE CONDITIONS

3.1 SITE BACKGROUND

We reviewed historical aerial imagery provided online by Historical Aerials (http://www.historicaerials.com). A summary of pertinent surface changes at and near the site is as follows:

- 1946: The project site is occupied by agricultural fields and is bounded by Central Avenue to the northwest and railroad tracks to the southwest.
- 1956: The agricultural fields appear to have been redeveloped into an industrial facility with multiple buildings. A railroad spur bounds the site to the southeast.
- 1966: Adjacent parcels appear to have been developed into industrial facilities.
- 1988: A new warehouse on the northwestern side of the site appears to have been constructed and the central building appears to have been modified from original construction.
- 2009: The southwestern portion of the site appears to have been redeveloped for use as a landscaping materials storage yard.
- 2018: The site appears relatively unchanged since the 1988 and 2009 photos.

3.2 SURFACE DESCRIPTION

The approximately 17.4-acre site is currently occupied by a trench shoring supply facility and storage yard. At the time of our site visits, the eastern building had been demolished and the ground surface consisted of a dirt and grass field. The central building had also been

demolished down to the concrete floor slab. The southwestern materials yard was unoccupied, and the ground surface consisted of dirt and weeds with minor amounts of debris.

Surface pavements at the northern drive aisle generally consisted of 3 inches of asphalt concrete and 3 inches of Portland Cement Concrete over 10 inches of aggregate base. Based on visual observations, the pavement is in fair condition with localized areas of alligator cracking.

3.3 SUBSURFACE CONDITIONS

Below the existing ground surface, all our explorations except Boring EB-4 encountered undocumented fill to depths of about 1¼ to 9 feet. The undocumented fills were highly variable and consisted of stiff to hard lean clays with varying amounts of sand and loose to very dense clayey sands with varying amounts of gravel. Various amounts of debris were also encountered in the undocumented fills.

Below the undocumented fills or surface pavements where no fill was encountered, the native alluvial soils generally consisted of interbedded layers of soft to hard lean clays with varying amounts of sand and silt, soft to very stiff sandy silt, and loose to dense sands with varying amounts of silt, clay, and gravel to the terminal boring depths of about 26½ to 80 feet. Beneath the terminal boring depths, our CPTs generally encountered dense to very dense sands with varying amounts of sand and silt and very stiff to hard clays and silts with varying amounts of sand to the maximum depth explored of 110 feet below existing grades.

3.3.1 Plasticity/Expansion Potential

We performed six Plasticity Index (PI) tests on representative samples. Test results were used to evaluate expansion potential of surficial soils, and the plasticity of the fines in potentially liquefiable layers. The surficial PI tests resulted in PIs ranging from 16 to 21, indicating moderate expansion potential to wetting and drying cycles. Test results of the potentially liquefiable layers indicated PIs of non-plastic to 10.

3.3.2 In-Situ Moisture Contents

Laboratory testing indicated that the in-situ moisture contents within the upper 10 feet generally range from about 5 to 15 percent over the estimated laboratory optimum moisture.

3.4 GROUNDWATER

Groundwater was encountered in our exploratory borings at depths ranging from 6 to 12 feet below current grades. Groundwater was inferred at depths of approximately 5 to 10 feet below current grades in our CPTs based on pore pressure dissipation tests. All measurements were taken at the time of drilling and may not represent the stabilized levels that can be higher than the initial levels encountered.

We also reviewed groundwater data available online from the website GeoTracker, https://geotracker.waterboards.ca.gov/. Nearby monitoring well data indicates that groundwater has been measured at depths of approximately 5 to 10 feet at wells located at the site and approximately 500 feet northwest of the site between 1990 to 2020.

Based on the above, we recommend a design groundwater depth of 5 feet. Fluctuations in groundwater levels occur due to many factors including seasonal fluctuation, underground drainage patterns, regional fluctuations, and other factors.

3.5 CORROSION SCREENING

We tested five samples collected at depths of 3½ to 5½ feet for resistivity, pH, soluble sulfates, and chlorides. The laboratory test results are summarized in Table 2A.

Table 2A: Summary of Corrosion Test Results

Sample Location	Depth (feet)	Soil pH[1]	Resistivity[2] (ohm-cm)	Chloride[3] (mg/kg)	Sulfate[4,5] (mg/kg)
EB-1	3.5	7.2	1,440	15	102
EB-2	5.5	7.9	606	121	164
EB-4	5.5	7.5	1,446	22	60
EB-5	3.5	7.6	771	60	177
EB-7	5.0	7.6	965	63	127

Notes: [1]ASTM G51
[2]ASTM G57 - 100% saturation
[3]ASTM D3427/Cal 422 Modified
[4]ASTM D3427/Cal 417 Modified
[5]1 mg/kg = 0.0001 % by dry weight

Many factors can affect the corrosion potential of soil including moisture content, resistivity, permeability, and pH, as well as chloride and sulfate concentration. Typically, soil resistivity, which is a measurement of how easily electrical current flows through a medium (soil and/or water), is the most influential factor. In addition to soil resistivity, chloride and sulfate ion concentrations, and pH also contribute in affecting corrosion potential.

3.4.1 Preliminary Soil Corrosion Screening

Based on the laboratory test results summarized in Table 2A and published correlations between resistivity and corrosion potential, the soils may be considered severely to very severely corrosive to buried metallic improvements (Chaker and Palmer, 1989).

In accordance with the 2019 CBC Section 1904.1, alternative cementitious materials for different exposure categories and classes shall be determined in accordance with ACI 318-19 Table 19.3.1.1, Table R19.3.1, and Table 19.3.2.1. Based on sulfate test results, a cement type restriction is not required, although, in our opinion, it is generally a good idea to include some sulfate resistance and to maintain a relatively low water-cement ratio. We have summarized applicable exposure categories and classes from ACI 318-19, Table 19.3.1.1 below in Table 2B.

Table 2B: ACI 318-19 Table 19.3.1.1 Exposure Categories and Classes

Freezing and Thawing (F)	Sulfate (S, soil)	In Contact with Water (W)	Corrosion Protection of Reinforcement (C)
F0[1]	S0[2]	W0[3]	C0[4]

1 (F0) "Concrete not exposed to freezing-and-thawing cycles" (ACI 318-19)
2 (S0) "Water soluble sulfate in soil, percent by mass" (ACI 318-19)
3 (W0) "Concrete dry in service" (ACI 318-19)
4 (C0) "Concrete dry or protected from moisture" (ACI 318-19)

We recommend the structural engineer and a corrosion engineer be retained to confirm the above information and provide additional recommendations, as needed.

SECTION 4: GEOLOGIC HAZARDS

4.1 FAULT SURFACE RUPTURE

As discussed above several significant faults are located within 25 kilometers of the site. The site is not located within a State-designated Alquist Priolo Earthquake Fault Zone. As shown in Figure 3, no known surface expression of fault traces is thought to cross the site; therefore, fault surface rupture hazard is not a significant geologic hazard at the site.

4.2 ESTIMATED GROUND SHAKING

Moderate to severe (design-level) earthquakes can cause strong ground shaking, which is the case for most sites within the Bay Area. A site modified peak ground acceleration (PGA_M) was determined in accordance with the 2019 California Building Code (CBC) and Section 21.5 of ASCE 7-16. Therefore, we recommend a site-specific MCE_G peak ground acceleration, PGA_M, of 0.76g for this project.

4.3 LIQUEFACTION POTENTIAL

The site is within a State-designated Liquefaction Hazard Zone (CGS, Newark 7.5-Minute Quadrangle, 2003). Our field and laboratory programs addressed this issue by testing and sampling potentially liquefiable layers to depths of at least 50 feet, performing visual classification on sampled materials, evaluating CPT data, and performing various tests to further classify soil properties.

4.3.1 Background

During strong seismic shaking, cyclically induced stresses can cause increased pore pressures within the soil matrix that can result in liquefaction triggering, soil softening due to shear stress loss, potentially significant ground deformation due to settlement within sandy liquefiable layers as pore pressures dissipate, and/or flow failures in sloping ground or where open faces are present (lateral spreading) (NCEER 1998). Limited field and laboratory data is available regarding ground deformation due to settlement; however, in clean sand layers settlement on

the order of 2 to 4 percent of the liquefied layer thickness can occur. Soils most susceptible to liquefaction are loose, non-cohesive soils that are saturated and are bedded with poor drainage, such as sand and silt layers bedded with a cohesive cap.

4.3.2 Analysis

As discussed in the "Subsurface" section above, several sand layers were encountered below the design groundwater depth of 5 feet. Following the liquefaction analysis framework in the 2008 monograph, *Soil Liquefaction During Earthquakes* (Idriss and Boulanger, 2008), incorporating updates in *CPT and SPT Based Liquefaction Triggering Procedures* (Boulanger and Idriss, 2014), and in accordance with CDMG Special Publication 117A guidelines (CDMG, 2008) for quantitative analysis, these layers were analyzed for liquefaction triggering and potential post-liquefaction settlement. These methods compare the ratio of the estimated cyclic shaking (Cyclic Stress Ratio - CSR) to the soil's estimated resistance to cyclic shaking (Cyclic Resistance Ratio - CRR), providing a factor of safety against liquefaction triggering. Factors of safety less than or equal to 1.3 are considered to be potentially liquefiable and capable of post-liquefaction re-consolidation (i.e. settlement).

The CSR for each layer quantifies the stresses anticipated to be generated due to a design-level seismic event, is based on the peak horizontal acceleration generated at the ground surface discussed in the "Estimated Ground Shaking" section above, and is corrected for overburden and stress reduction factors as discussed in the procedure developed by Seed and Idriss (1971) and updated in the 2008 Idriss and Boulanger monograph.

The soil's CRR is estimated from the in-situ measurements from CPTs and laboratory testing on samples retrieved from our borings. SPT "N" values obtained from hollow-stem auger borings were not used in our analyses, as the "N" values obtained are less reliable in sands below groundwater. The tip pressures are corrected for effective overburden stresses, taking into consideration both the groundwater level at the time of exploration and the design groundwater level, and stress reduction versus depth factors. The CPT method utilizes the soil behavior type index (I_C) to estimate the plasticity of the layers.

The results of our CPT analyses (CPT-1 through CPT-8) are presented on Figures 4A through 4H of this report. Calculations for these CPTs are attached as Appendix D.

4.3.3 Summary

Our analyses indicate that several layers could potentially experience liquefaction triggering that could result in post-liquefaction total settlement at the ground surface ranging from about 1½ to 4 inches based on the Yoshimine (2006) method. As discussed in SP 117A, differential movement for level ground sites over deep soil sites will be up to about two-thirds of the total settlement between independent foundation elements. In our opinion, differential settlements are anticipated to be on the order of about 1 to 2⅔ inches over a horizontal distance of 30 to 50 feet.

4.3.4 Ground Deformation and Surficial Cracking Potential

The methods used to estimate liquefaction settlements assume that there is a sufficient cap of non-liquefiable material to prevent ground deformation or sand boils. For ground deformation to occur, the pore water pressure within the liquefiable soil layer will need to be great enough to break through the overlying non-liquefiable layer, which could cause significant ground deformation and settlement. Based on the work of Youd and Garris (1995) ground deformation and significant surficial cracking could theoretically occur due to the design-level shaking in the area of CPT-2, CPT-3, CPT-4, CPT-5, K-CPT-2, K-CPT-3, and K-CPT-4. If ground deformation or surficial cracking occurred, the estimated ground movement could be significantly increased from what was estimated above. Ground deformation mitigation recommendation measures are provided in the "Foundations" section of this report.

4.4 LATERAL SPREADING

Lateral spreading is horizontal/lateral ground movement of relatively flat-lying soil deposits towards a free face such as an excavation, channel, or open body of water; typically, lateral spreading is associated with liquefaction of one or more subsurface layers near the bottom of the exposed slope. As failure tends to propagate as block failures, it is difficult to analyze and estimate where the first tension crack will form.

There are no open faces within a distance considered susceptible to lateral spreading; therefore, in our opinion, the potential for lateral spreading to affect the site is low.

4.5 SEISMIC SETTLEMENT/UNSATURATED SAND SHAKING

Loose unsaturated sandy soils can settle during strong seismic shaking. As the soils encountered at the site above the design groundwater depth were predominantly stiff to very stiff clays and medium dense to very dense sandy fills, in our opinion, the potential for significant differential seismic settlement affecting the proposed improvements is low.

4.6 TSUNAMI/SEICHE

The terms tsunami or seiche are described as ocean waves or similar waves usually created by undersea fault movement or by a coastal or submerged landslide. Tsunamis may be generated at great distance from shore (far field events) or nearby (near field events). Waves are formed, as the displaced water moves to regain equilibrium, and radiates across the open water, similar to ripples from a rock being thrown into a pond. When the waveform reaches the coastline, it quickly raises the water level, with water velocities as high as 15 to 20 knots. The water mass, as well as vessels, vehicles, or other objects in its path create tremendous forces as they impact coastal structures.

Tsunamis have affected the coastline along the Pacific Northwest during historic times. The Fort Point tide gauge in San Francisco recorded approximately 21 tsunamis between 1854 and 1964. The 1964 Alaska earthquake generated a recorded wave height of 7.4 feet and drowned eleven people in Crescent City, California. For the case of a far-field event, the Bay area would

have hours of warning; for a near field event, there may be only a few minutes of warning, if any.

A tsunami or seiche originating in the Pacific Ocean would lose much of its energy passing through San Francisco Bay. Based on the mapping of tsunami inundation potential for the San Francisco Bay Area by CGS (conservation.ca.gov/cgs/tsunami/maps), areas most likely to be inundated are marshlands, tidal flats, and former bay margin lands that are now artificially filled, but are still at or below sea level, and are generally within 1½ miles of the shoreline. The site is approximately 2½ miles inland from the San Francisco Bay shoreline and is approximately 19 to 21 feet above mean sea level. Therefore, the potential for inundation due to tsunami or seiche is considered low.

4.7 FLOODING

Based on our internet search of the Federal Emergency Management Agency (FEMA) flood map public database, the site is located within Zone X, defined as "Areas determined to be outside the 0.2% annual chance floodplain." We recommend the project civil engineer be retained to confirm this information and verify the base flood elevation, if appropriate.

The Department of Water Resources (DWR), Division of Safety of Dams (DSOD) compiled a database of Dam Failure Inundation Hazard Maps (DSOD, 2015). The generalized hazard maps were prepared by dam owners as required by the State Office of Emergency Services; they are intended for planning purposes only. Based on our review of these maps, the site is located within a dam failure inundation area for the James H. Turner and New Calaveras Reservoirs.

SECTION 5: CONCLUSIONS

5.1 SUMMARY

From a geotechnical viewpoint, the project is feasible provided the concerns listed below are addressed in the project design. Descriptions of each concern with brief outlines of our recommendations follow the listed concerns.

- Potential for liquefaction-induced settlements and ground deformation
- Presence of soft to medium stiff clays
- Redevelopment considerations
- Shallow groundwater
- Presence of moderately expansive soils
- Presence of undocumented fill
- Soil Corrosion Potential

5.1.1 Potential for Liquefaction-Induced Settlements and Ground Deformation

As discussed, our liquefaction analysis indicates that there is a potential for liquefaction of localized sand layers during a significant seismic event. Our analysis indicates that liquefaction-induced settlement on the order of about 1¼ to 4 inches could occur, resulting in differential settlement on the order of 1 to 2⅔ inches. In addition, the potential for liquefied soils to vent to the ground surface through cracks in the surficial soils is moderate; therefore, the above estimates could be significantly increased during a strong seismic event. Foundations should be designed to tolerate the anticipated total and differential settlements. Detailed foundation recommendations are presented in the "Foundations" section.

5.1.2 Presence of Soft to Medium Stiff Clays

As discussed, our borings encountered soft to medium stiff clays starting at about 5 to 8 feet below existing grades. Based on assumed building loads ranging from 150 to 250 kips per column, depth to soft to medium stiff clays, and depth to groundwater, we anticipate static settlements on the order of about 1 to 1¾ inches as a result of these compressible clays. However, we anticipate foundations may bear on or near the soft to medium stiff clay layers resulting in a reduced allowable bearing capacity. Additional information and recommendations are provided in the "Foundations" section.

5.1.3 Redevelopment Considerations

As discussed, the site is currently occupied by existing buildings and appurtenant flatwork, site fixtures, and landscaping. We understand that the existing improvements will be demolished for the construction of the building additions. Potential issues that are often associated with redeveloping sites include demolition of existing improvements, abandonment of existing utilities, and undocumented fills. Please refer to the "Earthwork" section below for further recommendations.

5.1.4 Shallow Groundwater

Shallow groundwater was measured at depths ranging from approximately 5 to 12 feet below the existing ground surface. As discussed above, we recommend a design groundwater depth of 5 feet. Our experience with similar sites in the vicinity indicates that shallow groundwater could significantly impact grading and underground construction. These impacts typically consist of potentially wet and unstable pavement subgrade, difficulty achieving compaction, and difficult underground utility installation. Dewatering and shoring of utility trenches may be required in some isolated areas of the site. Detailed recommendations addressing this concern are presented in the "Earthwork" section of this report.

5.1.5 Presence of Moderately Expansive Soils

Moderately expansive surficial soils generally blanket the site. Expansive soils can undergo significant volume change with changes in moisture content. They shrink and harden when dried and expand and soften when wetted. To reduce the potential for damage to the planned

structures, slabs-on-grade should have sufficient reinforcement and be supported on a layer of non-expansive fill; footings should extend below the zone of seasonal moisture fluctuation. In addition, it is important to limit moisture changes in the surficial soils by using positive drainage away from buildings as well as limiting landscaping watering. Evaluation of potential import sources for the site should consider the acceptable range of plasticity. We recommend that a plug of low-permeability clay soil, sand-cement slurry, or lean concrete be placed within trenches just outside where the trenches pass into building and pavement areas. Detailed grading and foundation recommendations addressing this concern are presented in the following sections.

5.1.6 Undocumented Fill

As previously discussed, our exploratory boring encountered up to about 9 feet of undocumented fills. All fills should be properly mitigated or completely removed from within building areas and to a lateral distance of at least 5 feet beyond the building footprint or to a lateral distance equal to fill depth below the perimeter footing, whichever is greater. Provided the fills meet the "Material for Fill" requirements below, the fills may be reused when backfilling the excavations. Based on review of the samples collected from our borings, it appears that the fill may be reused. If materials are encountered that do not meet the requirements, such as debris, wood, trash, those materials should be screened out of the remaining material and be removed from the site. Backfill of excavations should be placed in lifts and compacted in accordance with the "Compaction" section below. Alternative mitigation techniques may also include dynamic compaction and deep soil mixing. Additional information is provided in subsequence sections of this report.

Provided undocumented fills are mitigated by removal and replacement as engineered fill or other approved methods, the potential impact due to undocumented fill should be low.

5.1.7 Soil Corrosion Potential

As discussed, we performed a preliminary corrosion screening based on the results of analytical tests on three samples from depths of 3½ to 5½ feet. Testing on these samples indicate sulfate exposure is low and therefore sulfate resistant concrete is not required per published ACI guidelines. Additionally, corrosion potential for buried metallic structures, such as metal pipes, is considered severely to very severely corrosive. Based on the results of the preliminary soil corrosion screening, special requirements for corrosion control will likely be required to protect buried metallic utilities and improvements. We recommend the structural engineer and corrosion engineer review the results, provide additional recommendations, and perform additional testing as necessary for the proposed site development.

5.2 PLANS AND SPECIFICATIONS REVIEW

We recommend that we be retained to review the geotechnical aspects of the project structural, civil, and landscape plans and specifications, allowing sufficient time to provide the design team with any comments prior to issuing the plans for construction.

5.3 CONSTRUCTION OBSERVATION AND TESTING

As site conditions may vary significantly between the small-diameter borings performed during this investigation, we also recommend that a Cornerstone representative be present to provide geotechnical observation and testing during earthwork and foundation construction. This will allow us to form an opinion and prepare a letter at the end of construction regarding contractor compliance with project plans and specifications, and with the recommendations in our report. We will also be allowed to evaluate any conditions differing from those encountered during our investigation and provide supplemental recommendations as necessary. For these reasons, the recommendations in this report are contingent of Cornerstone providing observation and testing during construction. Contractors should provide at least a 48-hour notice when scheduling our field personnel.

SECTION 6: EARTHWORK

6.1 SITE DEMOLITION

All existing improvements not to be reused for the current development, including all foundations, flatwork, pavements, utilities, and other improvements should be demolished and removed from the site. Recommendations in this section apply to the removal of these improvements, which are currently present on the site, prior to the start of mass grading or the construction of new improvements for the project.

Cornerstone should be notified prior to the start of demolition and should be present on at least a part-time basis during all backfill and mass grading as a result of demolition. Occasionally, other types of buried structures (wells, cisterns, debris pits, etc.) can be found on sites with prior development. If encountered, Cornerstone should be contacted to address these types of structures on a case-by-case basis.

6.1.1 Demolition of Existing Slabs, Foundations and Pavements

All slabs, foundations, and pavements should be completely removed from within planned building areas.

As an owner value-engineered option, existing slabs, foundations, and pavements that extend into planned flatwork, pavement, or landscape areas may be left in place provided there is at least 3 feet of engineered fill overlying the remaining materials, they are shown not to conflict with new utilities, and that asphalt and concrete more than 10 feet square is broken up to allow subsurface drainage. Future distress and/or higher maintenance may result from leaving these prior improvements in place. A discussion of recycling existing improvements is provided later in this report.

Special care should be taken during the demolition and removal of existing floor slabs, foundations, utilities and pavements to minimize disturbance of the subgrade. Excessive disturbance of the subgrade, which includes either native or previously placed engineered fill,

resulting from demolition activities can have serious detrimental effects on planned foundation and paving elements.

Existing foundations are typically mat-slabs, shallow footings, or piers/piles. If slab or shallow footings are encountered, they should be completely removed. If drilled piers are encountered, they should be cut off at an elevation at least 60-inches below proposed footings or the final subgrade elevation, whichever is deeper. The remainder of the drilled pier could remain in place. Foundation elements to remain in place should be surveyed and superimposed on the proposed development plans to determine the potential for conflicts or detrimental impacts to the planned construction. Following review, additional mitigation or planned foundation elements may need to be modified.

6.1.2 Abandonment of Existing Utilities

All utilities should be completely removed from within planned building areas. For any utility line to be considered acceptable to remain within building areas, the utility line must be completely backfilled with grout or sand-cement slurry (sand slurry is not acceptable), the ends outside the building area capped with concrete, and the trench fills either removed and replaced as engineered fill with the trench side slopes flattened to at least 1:1, or the trench fills are determined not to be a risk to the structure. The assessment of the level of risk posed by the particular utility line will determine whether the utility may be abandoned in place or needs to be completely removed. The contractor should assume that all utilities will be removed from within building areas unless provided written confirmation from both the owner and the geotechnical engineer.

Utilities extending beyond the building area may be abandoned in place provided the ends are plugged with concrete, they do not conflict with planned improvements, and that the trench fills do not pose significant risk to the planned surface improvements.

The risk for owners associated with abandoning utilities in place include the potential for future differential settlement of existing trench fills, and/or partial collapse and potential ground loss into utility lines that are not completely filled with grout.

6.2 SITE CLEARING AND PREPARATION

6.2.1 Site Stripping

The site should be stripped of all surface vegetation, and surface and subsurface improvements to be removed within the proposed development area. Demolition of existing improvements is discussed in the prior paragraphs. A detailed discussion of removal of existing fills is provided later in this report. Surface vegetation and topsoil should be stripped to a sufficient depth to remove all material greater than 3 percent organic content by weight.

6.2.2 Tree and Shrub Removal

Trees and shrubs designated for removal should have the root balls and any roots greater than ½-inch diameter removed completely. Mature trees are estimated to have root balls extending to depths of 2 to 4 feet, depending on the tree size. Significant root zones are anticipated to extend to the diameter of the tree canopy. Grade depressions resulting from root ball removal should be cleaned of loose material and backfilled in accordance with the recommendations in the "Compaction" section of this report.

6.3 MITIGATION OF UNDOCUMENTED FILLS

As discussed above, up to about 9 feet of undocumented fill was encountered in our exploratory borings. All undocumented fills should be completely removed from within building areas and to a lateral distance of at least 5 feet beyond the building footprint or to a lateral distance equal to fill depth below the perimeter footing, whichever is greater. Provided the fills meet the "Material for Fill" requirements below, the fills may be reused when backfilling the excavations. Based on review of the samples collected from our borings, it appears that the fill may be reused. If materials are encountered that do not meet the requirements, such as debris, wood, trash, those materials should be screened out of the remaining material and be removed from the site. Backfill of excavations should be placed in lifts and compacted in accordance with the "Compaction" section below.

As previously discussed, fills are anticipated to be present at or below the existing and design groundwater depths. Therefore, full removal and replacement as engineered fill may not be feasible. As an alternative to over-excavation and replacement, if ground improvement is implemented, we recommend the ground improvement program be designed to also mitigate the undocumented fills.

Fills extending into planned pavement and flatwork areas may be left in place provided they are determined to be a low risk for future differential settlement and that the upper 12 to 18 inches of fill below pavement subgrade is re-worked and compacted as discussed in the "Compaction" section below.

6.4 TEMPORARY CUT AND FILL SLOPES

The contractor is responsible for maintaining all temporary slopes and providing temporary shoring where required. Temporary shoring, bracing, and cuts/fills should be performed in accordance with the strictest government safety standards. On a preliminary basis, the upper 10 feet at the site may be classified as OSHA Soil Type C materials. A Cornerstone representative should be retained to confirm the preliminary site classification.

Excavations performed during site demolition and fill removal should be sloped at 3:1 (horizontal:vertical) within the upper 5 feet below building subgrade. Actual excavation inclinations should be reviewed in the field during construction, as needed. Excavations below building subgrade and excavations in pavement and flatwork areas should be sloped in accordance with OSHA soil classification requirements.

6.5 SUBGRADE PREPARATION

After site clearing and demolition is complete, and prior to backfilling any excavations resulting from fill removal or demolition, the excavation subgrade and subgrade within areas to receive additional site fills, slabs-on-grade and/or pavements should be scarified to a depth of 6 inches, moisture conditioned, and compacted in accordance with the "Compaction" section below.

6.6 WET SOIL STABILIZATION GUIDELINES

Native soil and fill materials, especially soils with high fines contents such as clays and silty soils, can become unstable due to high moisture content, whether from high in-situ moisture contents or from winter rains. As the moisture content increases over the laboratory optimum, it becomes more likely the materials will be subject to softening and yielding (pumping) from construction loading or become unworkable during placement and compaction.

As discussed in the "Subsurface" section in this report, the in-situ moisture contents are about 5 to 15 percent over the estimated laboratory optimum in the upper 10 of the soil profile. The contractor should anticipate drying the soils prior to reusing them as fill. In addition, repetitive rubber-tire loading will likely de-stabilize the soils.

There are several methods to address potential unstable soil conditions and facilitate fill placement and trench backfill. Some of the methods are briefly discussed below. Implementation of the appropriate stabilization measures should be evaluated on a case-by-case basis according to the project construction goals and the site conditions.

6.6.1 Scarification and Drying

The subgrade may be scarified to a depth of 10 to 12 inches and allowed to dry to near optimum conditions, if sufficient dry weather is anticipated to allow sufficient drying. More than one round of scarification may be needed to break up the soil clods.

6.6.2 Removal and Replacement

As an alternative to scarification, the contractor may choose to over-excavate the unstable soils and replace them with dry on-site or import materials. A Cornerstone representative should be present to provide recommendations regarding the appropriate depth of over-excavation, whether a geosynthetic (stabilization fabric or geogrid) is recommended, and what materials are recommended for backfill.

6.6.3 Chemical Treatment

Where the unstable area exceeds about 5,000 to 10,000 square feet and/or site winterization is desired, chemical treatment with quicklime (CaO), kiln-dust, or cement may be more cost-effective than removal and replacement. Recommended chemical treatment depths will typically range from 12 to 18 inches depending on the magnitude of the instability. If this option

is considered, additional laboratory tests should be performed during initial site grading to further evaluate the optimum percentage of quicklime required.

6.7 MATERIAL FOR FILL

6.7.1 Re-Use of On-site Soils

On-site soils with an organic content less than 3 percent by weight may be reused as general fill. General fill should not have lumps, clods or cobble pieces larger than 6 inches in diameter; 85 percent of the fill should be smaller than 2½ inches in diameter. Minor amounts of oversize material (smaller than 12 inches in diameter) may be allowed provided the oversized pieces are not allowed to nest together and the compaction method will allow for loosely placed lifts not exceeding 12 inches.

6.7.2 Re-Use of On-Site Site Improvements

We anticipate that minor to moderate quantities of asphalt concrete (AC) grindings and aggregate base (AB) may be generated during site demolition. If the AC grindings are mixed with the underlying AB to meet Class 2 AB specifications, they may be reused within the new pavement and flatwork structural sections. AC grindings may not be reused within the habitable building areas. Laboratory testing will be required to confirm the grindings meet project specifications.

6.7.3 Potential Import Sources

Imported and non-expansive material should be inorganic with a Plasticity Index (PI) of 15 or less, and not contain recycled asphalt concrete where it will be used within the habitable building areas. To prevent significant caving during trenching or foundation construction, imported material should have sufficient fines. Samples of potential import sources should be delivered to our office at least 10 days prior to the desired import start date. Information regarding the import source should be provided, such as any site geotechnical reports. If the material will be derived from an excavation rather than a stockpile, potholes will likely be required to collect samples from throughout the depth of the planned cut that will be imported. At a minimum, laboratory testing will include PI tests. Material data sheets for select fill materials (Class 2 aggregate base, ¾-inch crushed rock, quarry fines, etc.) listing current laboratory testing data (not older than 6 months from the import date) may be provided for our review without providing a sample. If current data is not available, specification testing will need to be completed prior to approval.

Environmental and soil corrosion characterization should also be considered by the project team prior to acceptance. Suitable environmental laboratory data to the planned import quantity should be provided to the project environmental consultant; additional laboratory testing may be required based on the project environmental consultant's review. The potential import source should also not be more corrosive than the on-site soils, based on pH, saturated resistivity, and soluble sulfate and chloride testing.

6.7.4 Non-Expansive Fill Using Lime Treatment

As discussed above, non-expansive fill should have a Plasticity Index (PI) of 15 or less. Due to the high clay content and PI of the on-site soil materials, it is not likely that sufficient quantities of non-expansive fill would be generated from cut materials. As an alternative to importing non-expansive fill, chemical treatment can be considered to create non-expansive fill. If this option is considered, additional laboratory tests should be performed during initial site grading to further evaluate the optimum percentage of quicklime required.

6.8 COMPACTION REQUIREMENTS

All fills, and subgrade areas where fill, slabs-on-grade, and pavements are planned, should be placed in loose lifts 8 inches thick or less and compacted in accordance with ASTM D1557 (latest version) requirements as shown in the table below. In general, clayey soils should be compacted with sheepsfoot equipment and sandy/gravelly soils with vibratory equipment; open-graded materials such as crushed rock should be placed in lifts no thicker than 18 inches and consolidated in place with vibratory equipment. Each lift of fill and all subgrade should be firm and unyielding under construction equipment loading in addition to meeting the compaction requirements to be approved. The contractor (with input from a Cornerstone representative) should evaluate the in-situ moisture conditions, as the use of vibratory equipment on soils with high moistures can cause unstable conditions. General recommendations for soil stabilization are provided in the "Wet Soil Stabilization Guidelines" section of this report. Where the soil's PI is 20 or greater, the expansive soil criteria should be used.

Table 3: Compaction Requirements

Description	Material Description	Minimum Relative[1] Compaction (percent)	Moisture[2] Content (percent)
General Fill (within upper 5 feet)	On-Site Expansive Soils	87 – 92	>3
	Low Expansion Soils	90	>1
General Fill (below a depth of 5 feet)	On-Site Expansive Soils	95	>3
	Low Expansion Soils	95	>1
Trench Backfill	On-Site Expansive Soils	87 – 92	>3
	Low Expansion Soils	90	>1
Trench Backfill (upper 6 inches of subgrade)	On-Site Low Expansion Soils	95	>1
Crushed Rock Fill	¾-inch Clean Crushed Rock	Consolidate In-Place	NA
Non-Expansive Fill	Imported Non-Expansive Fill	90	Optimum
Flatwork Subgrade	On-Site Expansive Soils	87 - 92	>3
	Low Expansion Soils	90	>1
Flatwork Aggregate Base	Class 2 Aggregate Base[3]	90	Optimum
Pavement Subgrade	On-Site Expansive Soils	87 - 92	>3
	Low Expansion Soils	95	>1
Pavement Aggregate Base	Class 2 Aggregate Base[3]	95	Optimum
Asphalt Concrete	Asphalt Concrete	95 (Marshall)	NA

1 – Relative compaction based on maximum density determined by ASTM D1557 (latest version)
2 – Moisture content based on optimum moisture content determined by ASTM D1557 (latest version)
3 – Class 2 aggregate base shall conform to Caltrans Standard Specifications, latest edition, except that the relative compaction should be determined by ASTM D1557 (latest version)

6.8.1 Construction Moisture Conditioning

Expansive soils can undergo significant volume change when dried then wetted. The contractor should keep all exposed expansive soil subgrade (and also trench excavation side walls) moist until protected by overlying improvements (or trenches are backfilled). If expansive soils are allowed to dry out significantly, re-moisture conditioning may require several days of re-wetting (flooding is not recommended), or deep scarification, moisture conditioning, and re-compaction.

6.9 TRENCH BACKFILL

Utility lines constructed within public right-of-way should be trenched, bedded and shaded, and backfilled in accordance with the local or governing jurisdictional requirements. Utility lines in private improvement areas should be constructed in accordance with the following requirements unless superseded by other governing requirements.

All utility lines should be bedded and shaded to at least 6 inches over the top of the lines with crushed rock (⅜-inch-diameter or greater) or well-graded sand and gravel materials conforming to the pipe manufacturer's requirements. Open-graded shading materials should be consolidated in place with vibratory equipment and well-graded materials should be compacted to at least 90 percent relative compaction with vibratory equipment prior to placing subsequent backfill materials.

General backfill over shading materials may consist of on-site native materials provided they meet the requirements in the "Material for Fill" section, and are moisture conditioned and compacted in accordance with the requirements in the "Compaction" section.

Where utility lines will cross perpendicular to strip footings, the footing should be deepened to encase the utility line, providing sleeves or flexible cushions to protect the pipes from anticipated foundation settlement, or the utility lines should be backfilled to the bottom of footing with sand-cement slurry or lean concrete. Where utility lines will parallel footings and will extend below the "foundation plane of influence," an imaginary 1:1 plane projected down from the bottom edge of the footing, either the footing will need to be deepened so that the pipe is above the foundation plane of influence or the utility trench will need to be backfilled with sand-cement slurry or lean concrete within the influence zone. Sand-cement slurry used within foundation influence zones should have a minimum compressive strength of 75 psi.

On expansive soils sites it is desirable to reduce the potential for water migration into building and pavement areas through the granular shading materials. We recommend that a plug of low-permeability clay soil, sand-cement slurry, or lean concrete be placed within trenches just outside where the trenches pass into building and pavement areas.

6.10 SITE DRAINAGE

6.10.1 Surface Drainage

Ponding should not be allowed adjacent to building foundations, slabs-on-grade, or pavements. Hardscape surfaces should slope at least 2 percent towards suitable discharge facilities; landscape areas should slope at least 3 percent towards suitable discharge facilities. Roof runoff should be directed away from building areas in closed conduits, to approved infiltration facilities, or on to hardscaped surfaces that drain to suitable facilities. Retention, detention or infiltration facilities should be spaced at least 10 feet from buildings, and preferably at least 5 feet from slabs-on-grade or pavements. However, if retention, detention or infiltration facilities are located within these zones, we recommend that these treatment facilities meet the requirements in the Storm Water Treatment Design Considerations section of this report.

6.11 LOW-IMPACT DEVELOPMENT (LID) IMPROVEMENTS

The Municipal Regional Permit (MRP) requires regulated projects to treat 100 percent of the amount of runoff identified in Provision C.3.d from a regulated project's drainage area with low impact development (LID) treatment measures onsite or at a joint stormwater treatment facility. LID treatment measures are defined as rainwater harvesting and use, infiltration,

evapotranspiration, or biotreatment. A biotreatment system may only be used if it is infeasible to implement harvesting and use, infiltration, or evapotranspiration at a project site.

Technical infeasibility of infiltration may result from site conditions that restrict the operability of infiltration measures and devices. Various factors affecting the feasibility of infiltration treatment may create an environmental risk, structural stability risk, or physically restrict infiltration. The presence of any of these limiting factors may render infiltration technically infeasible for a proposed project. To aid in determining if infiltration may be feasible at the site, we provide the following site information regarding factors that may aid in determining the feasibility of infiltration facilities at the site.

- The near-surface soils at the site are clayey and categorized as Hydrologic Soil Group D, and is expected to have infiltration rates of less than 0.2 inches per hour. In our opinion, these clayey soils will significantly limit the infiltration of stormwater.

- Locally, seasonal high groundwater is mapped at a depth of less than 10 feet, and therefore is expected to be within 10 feet of the base of the infiltration measure.

- The site has a known geotechnical hazard consisting of soils subject to liquefaction; therefore, stormwater infiltration facilities may not be feasible.

- In our opinion, infiltration locations within 10 feet of the buildings would create a geotechnical hazard.

6.11.1 Storm Water Treatment Design Considerations

If storm water treatment improvements, such as shallow bio-retention swales, basins or pervious pavements, are required as part of the site improvements to satisfy Storm Water Quality (C.3) requirements, we recommend the following items be considered for design and construction.

6.11.1.1 GENERAL BIOSWALE DESIGN GUIDELINES

- If possible, avoid placing bioswales or basins within 10 feet of the building perimeter or within 5 feet of exterior flatwork or pavements. If bioswales must be constructed within these setbacks, the side(s) and bottom of the trench excavation should be lined with 10-mil visqueen to reduce water infiltration into the surrounding expansive clay.

- Bioswales constructed within 3 feet of proposed buildings may be within the foundation zone of influence for perimeter wall loads. Therefore, where bioswales will parallel foundations and will extend below the "foundation plane of influence," an imaginary 1:1 plane projected down from the bottom edge of the foundation, the foundation will need to be deepened so that the bottom edge of the bioswale filter material is above the foundation plane of influence.

- The bottom of bioswale or detention areas should include a perforated drain placed at a low point, such as a shallow trench or sloped bottom, to reduce water infiltration into the surrounding soils near structural improvements, and to address the low infiltration capacity of the on-site clay soils.

6.11.1.2 BIOSWALE INFILTRATION MATERIAL

- Gradation specifications for bioswale filter material, if required, should be specified on the grading and improvement plans.

- Compaction requirements for bioswale filter material in non-landscaped areas or in pervious pavement areas, if any, should be indicated on the plans and specifications to satisfy the anticipated use of the infiltration area.

- If bioswales are to be vegetated, the landscape architect should select planting materials that do not reduce or inhibit the water infiltration rate, such as covering the bioswale with grass sod containing a clayey soil base.

- Due to the relatively loose consistency and/or high organic content of many bioswale filter materials, long-term settlement of the bioswale medium should be anticipated. To reduce initial volume loss, bioswale filter material should be wetted in 12-inch lifts during placement to pre-consolidate the material. Mechanical compaction should not be allowed, unless specified on the grading and improvement plans, since this could significantly decrease the infiltration rate of the bioswale materials.

- It should be noted that the volume of bioswale filter material may decrease over time depending on the organic content of the material. Additional filter material may need to be added to bioswales after the initial exposure to winter rains and periodically over the life of the bioswale areas, as needed.

6.11.1.3 BIOSWALE CONSTRUCTION ADJACENT TO PAVEMENTS

If bio-infiltration swales or basins are considered adjacent to proposed parking lots or exterior flatwork, we recommend that mitigative measures be considered in the design and construction of these facilities to reduce potential impacts to flatwork or pavements. Exterior flatwork, concrete curbs, and pavements located directly adjacent to bio-swales may be susceptible to settlement or lateral movement, depending on the configuration of the bioswale and the setback between the improvements and edge of the swale. To reduce the potential for distress to these improvements due to vertical or lateral movement, the following options should be considered by the project civil engineer:

- Improvements should be setback from the vertical edge of a bioswale such that there is at least 1 foot of horizontal distance between the edge of improvements and the top edge of the bioswale excavation for every 1 foot of vertical bioswale depth, or

- Concrete curbs for pavements, or lateral restraint for exterior flatwork, located directly adjacent to a vertical bioswale cut should be designed to resist lateral earth pressures in accordance with the recommendations in the "Retaining Walls" section of this report, or concrete curbs or edge restraint should be adequately keyed into the native soil or engineered to reduce the potential for rotation or lateral movement of the curbs.

6.12 LANDSCAPE CONSIDERATIONS

Since the near-surface soils are [moderately/highly] expansive, we recommend greatly reducing the amount of surface water infiltrating these soils near foundations and exterior slabs-on-grade. This can typically be achieved by:

- Using drip irrigation
- Avoiding open planting within 3 feet of the building perimeter or near the top of existing slopes
- Regulating the amount of water distributed to lawns or planter areas by using irrigation timers
- Selecting landscaping that requires little or no watering, especially near foundations.

We recommend that the landscape architect consider these items when developing landscaping plans.

SECTION 7: 2019 CBC SEISMIC DESIGN CRITERIA

7.1 SEISMIC DESIGN CRITERIA

We developed site-specific seismic design parameters in accordance with Chapter 16, Chapter 18 and Appendix J of the 2019 California Building Code (CBC) and Chapters 11, 12, 20, and 21 and Supplement No. 1 of ASCE 7-16.

7.1.1 Site Location and Provided Data For 2019 CBC Seismic Design

The project is located at latitude 37.524923° and longitude -121.027577°, which is based on Google Earth (WGS84) coordinates at the approximate center of the project site located in Newark, California. We have assumed that a Seismic Importance Factor (I_e) of 1.00 has been assigned to the structure in accordance with Table 1.5-2 of ASCE 7-16 for structures classified as Risk Category II. The building period has not been provided by the project structural engineer.

7.2 2019 CBC SEISMIC DESIGN CRITERIA

As discussed in the "Subsurface" of our report, our CPT and exploratory borings encountered loose to dense sands and soft to hard clay and silt deposits to a depth of 110 feet, the maximum

depth explored. Shear wave velocity (V_S) measurements were performed while advancing CPT-5, resulting in a time-averaged shear wave velocity for the top 30 meters (V_{S30}) of 250 meters per second (819 feet per second), for the upper 100 feet.

7.2.1 2019 CBC Seismic Design

As our borings encountered deep alluvial soils with shear wave velocity for the upper 30 meters between 600 and 1200 feet per second, per section 20.3.2 of ASCE 7-16, we have classified the site as Soil Classification D, which is described as a "stiff soil" profile. Because we used site specific data from our explorations and laboratory testing, the site class should be considered as "determined" for the purposes of estimating the seismic design parameters from the code. Our site-specific ground motion hazard analysis considered a V_{S30} of 250 m/s (819 ft/s).

In accordance with Section 11.4.8 of ASCE 7-16, we performed a ground motion hazard analysis following Chapter 21, Section 21.2 of ASCE 7-16. We evaluated both Probabilistic MCE_R Ground Motions in accordance with Method 1 and Deterministic MCE_R Ground Motions to generate our recommended design response spectrum for the project, see Figure 6. The recommended design spectral accelerations and associated periods are provided in graphically on Figure 5.

SECTION 8: FOUNDATIONS

8.1 SUMMARY OF RECOMMENDATIONS

Due to the estimated total and differential seismic and static settlement, the potential for ground rupture, undocumented fill, and the presence of shallow soft to medium stiff clays and silts, the proposed structure should be supported on shallow foundations overlying ground improvement. Ground improvement can be used to mitigate the settlement to tolerable levels and increase bearing capacity. Provided the recommendations in the "Earthwork" section and subsequent sections below are followed, the proposed structures may be supported on shallow foundations overlying ground improvement. We recommend a design-build ground improvement contractor design the mitigation using an appropriate ground improvement technique to meet the project requirements. Foundation recommendations are presented in the following sections.

8.2 SHALLOW FOUNDATIONS OVERLYING GROUND IMPROVEMENT

8.2.1 Conventional Shallow Footings

Conventional shallow footings should bear on natural, undisturbed soil or engineered fill, be at least 12 inches wide, and extend at least 18 inches below the lowest adjacent grade. Lowest adjacent grade is defined as the deeper of the following: 1) bottom of the adjacent interior slab-on-grade, or 2) finished exterior grade, excluding landscaping topsoil.

Bearing pressures will be dependent on the final ground improvement technique and spacing; however, substantial improvement in bearing capacity would be expected. On a preliminary

basis, we expect allowable bearing pressures on the order of 4,000 to 5,000 psf for combined dead plus live loads would be feasible.

Ground improvement should be designed to reduce total settlement due to static and seismic conditions to tolerable levels and mitigate potential lateral displacement and ground deformation as described below.

8.2.2 Footing Settlement

As discussed in the "Ground Improvement" section below, the ground improvement design should be such that the total foundation settlement (static and seismic) is reduced to about 1 to 1½ inch, or less, with no more than 1 inch for either the static or seismic component.

8.2.3 Lateral Loading

Lateral loads may be resisted by friction between the bottom of footing and the supporting subgrade, and also by passive pressures generated against footing sidewalls. An ultimate frictional resistance of 0.45 applied to the footing dead load, and an ultimate passive pressure based on an equivalent fluid pressure of 450 pcf may be used in design. The structural engineer should apply an appropriate factor of safety (such as 1.5) to the ultimate values above. Where footings are adjacent to landscape areas without hardscape, the upper 12 inches of soil should be neglected when determining passive pressure capacity.

8.2.4 Conventional Shallow Footing Construction Considerations

Where utility lines will cross perpendicular to strip footings, the footing should be deepened to encase the utility line, providing sleeves or flexible cushions to protect the pipes from anticipated foundation settlement, or the utility lines should be backfilled to the bottom of footing with sand-cement slurry or lean concrete. Where utility lines will parallel footings and will extend below the "foundation plane of influence," an imaginary 1:1 plane projected down from the bottom edge of the footing, either the footing will need to be deepened so that the pipe is above the foundation plane of influence or the utility trench will need to be backfilled with sand-cement slurry or lean concrete within the influence zone. Sand-cement slurry used within foundation influence zones should have a minimum compressive strength of 75 psi.

Footing excavations should be filled as soon as possible or be kept moist until concrete placement by regular sprinkling to prevent desiccation. A Cornerstone representative should observe all footing excavations prior to placing reinforcing steel and concrete. If there is a significant schedule delay between our initial observation and concrete placement, we may need to re-observe the excavations.

8.3 GROUND IMPROVEMENT

As discussed above, conventional shallow spread footings supporting the building may be used in combination with ground improvement. We recommend that ground improvement be performed in the upper 15 to 20 feet over the building footprint to mitigate liquefaction

settlement, static settlement, undocumented fills, ground rupture, and increase bearing capacity. Ground improvement can be used to improve the subsurface soils such that the total combined static and seismic settlements are reduced to less than 1½ inches with ½- to ¾-inch differential settlement over a horizontal distance of 30 to 50 feet, enabling the structures to be supported on spread footings. Ground improvement should provide adequate confining improvement around all foundations. Ground improvement options should also include an increase in allowable bearing pressures and should reduce settlement to within the tolerances stated above.

8.3.1 General

Ground improvement should consist of densification techniques to improve the ground's resistance to liquefaction, reduce static settlement, improve undocumented fills, and improve bearing capacity and seismic performance. Densification techniques could potentially consist of vibro replacement (i.e. stone columns), grouted displacement columns (i.e. CLSM), deep dynamic compaction, soil surcharge, deep soil mixing, or similar densification techniques. The intent of the ground improvement design beneath the proposed building would be to increase the density of the potentially liquefiable sands, improving the deep undocumented fills, and improving the soft clays and silts within 15 to 20 feet from the surface by laterally displacing and/or densifying the existing in-place soils. One, or combination of the above ground improvement techniques may also be feasible.

Drilled displacement columns are formed in displaced soil cavities and displace liquefiable and compressible soil with cemented Controlled Low Strength Material. CLSM column ground improvement can mitigate liquefaction and settlement of heavy foundations and slabs. CLSM columns are ideal for sensitive project sites such as those near critical structures that require low noise and no vibration construction methods, unreinforced masonry walls, occupied offices, sensitive soil (e.g. Bay Mud), and hazardous/contaminated soil sites where deep ground improvement is required.

The CLSM columns are separated from the bottom of the footing using a minimum 6-inch layer of crushed rock or other material "cushion". No connectivity of the CLSM columns and overlying structural element is allowed. In some cases, a Ground Anchor may be used in a higher strength column to resist uplift forces. Lateral resistance is provided by footing, mat, or slab bottom friction at the concrete to cushion layer interface or passive resistance of the side walls. The target strengths of the CLSM are usually between 500 to 1,000 psi at 28 days, depending on load demands. The CLSM strength is tested using standard sampling and loading methods.

Vibro replacement and granular compaction piles are similar in that a probe is vibrated into the ground to the design depth and a compacted open-graded gravel column is constructed from the bottom up. The surrounding soils are densified by the displacement of the soil as well as the vibrations from consolidating and expanding the gravel column laterally. One of the disadvantages of these densification pile types are the noise and vibration (and sometimes dust) produced during construction. The vibrations may cause noise and vibrations that can be heard or felt off-site. Pre-drilling through surficial materials may reduce noise and vibration, and should be anticipated for improvement areas adjacent to the site that may be sensitive to vibrations.

Deep dynamic compaction (DDC) is a ground improvement technique that densifies granular soils by dropping a large drop weight onto the ground surface over the desired improvement area. The typically steel drop weight is lifted by a crane and repeatedly dropped onto the ground surface. The energy (vibrations) transfer to the underlying granular soils to densify them in-place. The drop locations (treated areas) are typically located on a grid pattern, the spacing of which is determined by the subsurface conditions and foundation loading and geometry. The treated granular soils should have increased density, friction angle, and stiffness.
Soil surcharge is a ground improvement technique that pre-consolidates the underlying compressible soil to expedite long-term settlements. Wick drains can also be incorporated to further expedite settlement. This program should be designed and performed by a design-build ground improvement contractor with extensive experience in surcharging, wick drain installation, and monitoring. We should work with them to provide a monitoring program, which should include, at a minimum, settlement plates and piezometers. Plate and piezometer locations and depths should be coordinated with the contractor. The monitoring program should be in place well in advance prior to constructing the surcharge fill. It is critical that these be installed prior to any grading or placing of fill, and baseline readings taken. This will provide data to accurately evaluate and estimate settlements. All instrumentation should be protected by the grading contractor during fill placement. The actual fill thickness, wick spacing, and quantity should be determined by the contractor and forwarded to us for review. Regular monitoring with frequent data collection should be expected and planned for. In addition, modification to our estimates should be expected based on the actual field condition encountered and performance at the time of construction.

Based on the chosen ground improvement technique, the upper 1 to 2 feet of the working pad will likely need to be re-compacted after ground improvement installation, due to surface disturbance, potential ground heave and removal and re-compaction of undocumented fill. For this reason, we do not recommend preparation of the building pad or the construction of utilities prior to ground improvement.

The diameter of these ground improvement elements would be 24 to 30 inches and spacing would be proposed by the ground improvement contractors based on their experience and documented case histories of improvement performed on other projects with similar soil conditions which we would review as part of their submittal. The spacing would be estimated to improve the sands to obtain a post treatment $(N_1)_{60cs}$ of at least 20 to 25 blows/foot. The spacing would also be selected to reduce the total static and seismic settlement to 1½ inches with no more than 1-inch of static nor 1-inch of seismic settlement allowed as a component of the total settlement. We would recommend a modulus test at the on-set of construction to verify that the ground improvement will control the static settlement. This recommendation is predicated on our working with and reviewing the ground improvement contractor's submittal documentation on their proposed spacing and installation methodology and case histories from other similar projects. We would also independently observe installation in the field and prepare a signed and stamped close-out letter with confirms that installed ground improvement meets our recommendations.

8.3.2 Ground Improvement Design Guidelines

We recommend that the ground improvement design include, but not be limited to: 1) drawings showing the ground improvement layout, spacing and diameter, 2) the foundation layout plan, 3) proposed ground improvement length, 4) top and bottom elevations, 5) case histories showing pre and post improvement $(N_1)_{60cs}$ or Q_{C1cs} values for projects with similar site conditions, 6) estimate of static settlement and modulus to meet settlement goals. We recommend that all displacement columns be capped with a minimum 6-inch-thick compacted gravel pad to facilitate load transfer and to decouple the footings from underlying ground improvement elements. The actual gravel pad thickness should be confirmed by the design-build contractor. We should be retained to review the ground improvement contractor's plan and densification estimates prior to construction, and to review and confirm that the contractor's ground improvement design will satisfactorily meet the design criteria based on the previous performance testing. Ground improvement would generally be constructed as follows: 1) clear the site of existing demolition debris, 2) mass grading to the building pad subgrade elevation, 3) install the ground improvement on the approved layout, and 4) over-excavation and re-compact top of building pad, as required, prior to construction of remainder of pad and the foundations.

The degree to which the soil density is increased will depend on the improvement method and spacing. Even though the above methods are designed to mitigate different existing soil conditions, ground improvement should provide an additional increase in bearing capacity and soil stiffness at the individual improvement locations.

8.3.3 Ground Improvement Performance Testing

Foundation areas must meet the above total settlement criteria, which will include all settlement estimated from static loads. Analysis of settlement for static loading should include compression within the treatment area due to structural loads, and seismic settlement estimated for below the zone of treatment. Ground improvement must also provide adequate support for the design bearing capacity.

Verification testing should include at least one modulus tests within the building footprint. To validate the parameters selected for a specific project, a modulus load test is performed on a test pier typically constructed in locations chosen in coordination with the geotechnical engineer. Modulus tests are conducted to a pressure equal to at least 150% of the maximum design top of column stress to assure a reasonable level of safety which supports long term settlement control and demonstrates that the ground improvement element has adequate strength. Modulus testing should be performed in general accordance with ASTM D1143.

We recommend that at least four test arrays including pre- and post-installation CPT testing be performed. Performance testing typically consists of CPTs performed within each test array to confirm soil strength and density increases were achieved to meet the settlement criteria. We should observe and monitor installation of the test arrays and production ground improvement on a full-time basis and review the post-test array settlement analyses provided by the contractor.

8.4 ALTERNATIVE FOUNDATION

As an alternative to shallow spread footings and slab-on-grade underlain entirely by ground improvement, provided the potential for ground deformation is mitigated, the building may also potentially be supported by deep foundations and structural slabs supported on engineered fill prepared in accordance with the "Earthwork" section of this report, and designed in accordance with the 2019 California Building Code. Please be advised this foundation alternative may also require mitigating the potential for ground deformation and undocumented fill. If this option is desired, we should be provided additional information, including column loadings, to provide additional recommendations.

SECTION 9: CONCRETE SLABS AND PEDESTRIAN PAVEMENTS

9.1 INTERIOR OFFICE SLABS-ON-GRADE

Due to the moderate expansion potential of the surficial soils, the proposed slabs-on-grade should be supported on at least 12 inches of non-expansive fill (NEF) to reduce the potential for slab damage due to soil heave. The NEF layer should be constructed over subgrade prepared in accordance with the recommendations in the "Earthwork" section of this report. If moisture-sensitive floor coverings are planned, the recommendations in the "Interior Slabs Moisture Protection Considerations" section below may be incorporated in the project design if desired. If significant time elapses between initial subgrade preparation and slab-on-grade NEF construction, the subgrade should be proof-rolled to confirm subgrade stability, and if the soil has been allowed to dry out, the subgrade should be re-moisture conditioned to at least 3 percent over the optimum moisture content.

The structural engineer should determine the appropriate slab reinforcement for the loading requirements and considering the expansion potential of the underlying soils. For unreinforced concrete slabs, ACI 302.1R recommends limiting control joint spacing to 24 to 36 times the slab thickness in each direction, or a maximum of 18 feet.

9.2 WAREHOUSE SLABS-ON-GRADE

Warehouse slabs-on-grade should be at least 6 inches thick, should have a minimum compressive strength of 3,500 psi, and should be designed for the specific warehouse loading (i.e.. forklifts, rack loads, etc.). At this time, rack loading information, etc. was not available. The slab should also be designed to accommodate potential slab settlement beneath heavily loaded slab areas.

Warehouse slabs-on-grade should also be supported on at least 6 inches of crushed granular base having an R-value of at least 50 and no more than 10 percent passing the No. 200 sieve, such as Class 2 aggregate base. Due to the moderate plasticity of the surficial soils, an additional 6 inches of non-expansive fill (NEF) should underlie the upper granular base.

To summarize, the warehouse slab-on-grade should be underlain by the materials and alternatives outlined below. Additional details follow these points.

- Zone A Fill Material – Upper 6 inches of pad subgrade should consist of crushed granular base having an R-value of at least 50 and no more than 10 percent passing the No. 200 sieve, such as Class 2 aggregate base

- Zone B Fill Material – from 6 to 10 inches below pad subgrade (or below the Zone A noted above), the soil/material should also consist of a non-expansive fill (NEF) with a Plasticity Index (PI) of 15, or less

- Zone B Fill Material Alternative 1 – from 6 to 10 inches below pad subgrade (or below the Zone A noted above), the non-expansive fill material also can consist of the same material used for Zone A

- Zone B Fill Material Alternative 2 – from 6 to 10 inches below pad subgrade (or below the Zone A noted above), the onsite material also can be chemical-treated to meet non-expansive requirement with a PI of 15, or less

All base and subbase materials should be placed and compacted in accordance with the "Compaction" section of this report. If there will be areas within the warehouse that are moisture sensitive, such as equipment and elevator rooms, a vapor barrier may be placed over the upper granular base prior to slab construction. Please refer to the recommendations in the "Interior Slabs Moisture Protection Considerations" section for vapor barrier construction. Consideration should be given to limiting the control joint spacing to a maximum of about 2 feet in each direction for each inch of concrete thickness.

9.3 INTERIOR SLABS MOISTURE PROTECTION CONSIDERATIONS

The following general guidelines for concrete slab-on-grade construction where floor coverings are planned are presented for the consideration by the developer, design team, and contractor. These guidelines are based on information obtained from a variety of sources, including the American Concrete Institute (ACI) and are intended to reduce the potential for moisture-related problems causing floor covering failures, and may be supplemented as necessary based on project-specific requirements. The application of these guidelines or not will not affect the geotechnical aspects of the slab-on-grade performance.

- Place a minimum 15-mil vapor retarder conforming to ASTM E 1745, Class C requirements or better directly below the concrete slab; the vapor retarder should extend to the slab edges and be sealed at all seams and penetrations in accordance with manufacturer's recommendations and ASTM E 1643 requirements. A 4-inch-thick capillary break, consisting of crushed rock should be placed below the vapor retarder and consolidated in place with vibratory equipment. The mineral aggregate shall be of such size that the percentage composition by dry weight as determined by laboratory sieves will conform to the following gradation:

Sieve Size	Percentage Passing Sieve
1"	100
¾"	90 – 100
No. 4	0 – 10
No. 200	0 – 5

The capillary break rock may be considered as the upper 4 inches of the non-expansive fill previously recommended.

- The concrete water:cement ratio should be 0.45 or less. Mid-range plasticizers may be used to increase concrete workability and facilitate pumping and placement.
- Water should not be added after initial batching unless the slump is less than specified and/or the resulting water:cement ratio will not exceed 0.45.
- Polishing the concrete surface with metal trowels is not recommended.
- Where floor coverings are planned, all concrete surfaces should be properly cured.
- Water vapor emission levels and concrete pH should be determined in accordance with ASTM F1869-98 and F710-98 requirements and evaluated against the floor covering manufacturer's requirements prior to installation.

9.4 EXTERIOR FLATWORK

9.4.1 Pedestrian Concrete Flatwork

Exterior concrete flatwork subject to pedestrian and/or occasional light pick up loading should be at least 4 inches thick and supported on at least 6 inches of Class 2 aggregate base overlying subgrade prepared in accordance with the "Earthwork" recommendations of this report. Flatwork that will be subject to heavier or frequent vehicular loading should be designed in accordance with the recommendations in the "Vehicular Pavements" section below. To help reduce the potential for uncontrolled shrinkage cracking, adequate expansion and control joints should be included. Consideration should be given to limiting the control joint spacing to a maximum of about 2 feet in each direction for each inch of concrete thickness. Flatwork should be isolated from adjacent foundations or retaining walls except where limited sections of structural slabs are included to help span irregularities in retaining wall backfill at the transitions between at-grade and on-structure flatwork.

SECTION 10: VEHICULAR PAVEMENTS

10.1 ASPHALT CONCRETE

The following asphalt concrete pavement recommendations tabulated below are based on the Procedure 608 of the Caltrans Highway Design Manual, estimated traffic indices for various pavement-loading conditions, and on a design R-value of 5. The design R-value was chosen

based on engineering judgement considering the variable and expansive soil conditions. Additionally, due to the presence of moderate expansive soils, we have also included an option for lime-treated subgrade soils using an estimated design R-value of 50.

Table 4: Asphalt Concrete Pavement Recommendations

Design Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base[1] (inches)	Total Pavement Section Thickness (inches)
4.0	2.5	7.5	10.0
4.5	2.5	9.5	12.0
5.0	3.0	10.0	13.0
5.5	3.0	12.0	15.0
6.0	3.5	13.0	16.5
6.5	4.0	13.5	17.5
7.0	4.0	15.5	19.5
7.5	4.5	16.5	21.0
8.0	5.0	17.5	22.5
8.5	5.0	19.5	24.5
9.0	5.5	20.5	26.0
9.5	6.0	21.5	27.5
10.0	6.5	23.0	29.5
10.5	6.5	24.5	31.0
11.0	7.0	25.5	32.5

[1]Caltrans Class 2 aggregate base; minimum R-value of 78; subgrade R-value of 5

Table 5: Asphalt Concrete Pavement Recommendations (Chemical Treated Subgrade)

Design Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base[1] (inches)	Total Pavement Section Thickness (inches)
4.0/4.5	2.5	4.0	6.5
5.0/5.5	3.0	4.0	7.0
6.0	3.5	4.0	7.5
6.5	4.0	4.0	8.0
7.0	4.0	4.5	8.5
7.5	4.5	5.0	9.5
8.0	5.0	5.0	10.0
8.5	5.0	6.5	11.5
9.0	5.5	6.5	12.0
9.5	6.0	7.0	13.0
10.0	6.0	8.0	14.0
10.5	6.5	8.5	15.0
11.0	7.0	8.5	15.5

[1]Caltrans Class 2 aggregate base; minimum R-value of 78; subgrade R-value of 50 assuming chemical-treatment the upper 12 inches of subgrade

Frequently, the full asphalt concrete section is not constructed prior to construction traffic loading. This can result in significant loss of asphalt concrete layer life, rutting, or other pavement failures. To improve the pavement life and reduce the potential for pavement distress through construction, we recommend the full design asphalt concrete section be constructed prior to construction traffic loading. Alternatively, a higher traffic index may be chosen for the areas where construction traffic will use the pavements.

Asphalt concrete pavements constructed on expansive subgrade where the adjacent areas will not be irrigated for several months after the pavements are constructed may experience longitudinal cracking parallel to the pavement edge. These cracks typically form within a few feet of the pavement edge and are due to seasonal wetting and drying of the adjacent soil. The cracking may also occur during construction where the adjacent grade is allowed to significantly dry during the summer, pulling moisture out of the pavement subgrade. Any cracks that form should be sealed with bituminous sealant prior to the start of winter rains. One alternative to reduce the potential for this type of cracking is to install a moisture barrier at least 24 inches deep behind the pavement curb.

10.2 PORTLAND CEMENT CONCRETE

The exterior Portland Cement Concrete (PCC) pavement recommendations tabulated below are based on methods presented in "Concrete Pavement for Trucking Facilities" by the American Concrete Pavement Association (ACPA, 1995), and the Portland Cement Association (PCA)

design manual (PCA, 1984). We have provided a few pavement alternatives as an anticipated Average Daily Truck Traffic (ADTT) was not provided. The following table presents minimum PCC pavements thicknesses for various traffic loading categories and the anticipated maximum Average Daily Truck Traffic (ADTT).

Table 6: PCC Pavement Recommendations

Traffic Category	Minimum PCC Thickness[1] (inches)	Class 2 Aggregate Base (inches)
Maximum ADTT = 20	7.0	6.0
Maximum ADTT = 80	7.5	6.0
Maximum ADTT = 400	8.0	6.0

[1]Subgrade design R-Value = 5

The PCC thickness recommended above are based on a concrete flexural strength of at least 550 psi, minimum 28-day compressive strength of 4,000 psi, and supporting the PCC on at least 6 inches of Class 2 aggregate base compacted to a minimum relative compaction of 95 percent (ASTM D1557) as recommended in the "Earthwork" section of our report, and laterally restraining the PCC with curbs or concrete shoulders. The aggregate base should be constructed over compacted subgrade prepared in accordance with "Compaction" section of this report. The PCC should have a low water-cement ratio (industry standards), and in no case exceed a water-cement plus pozzolan ratio of 0.53.

Adequate expansion and control joints should be included. Joint spacing should not exceed about 24 times the pavement thickness, in approximately square panels for unreinforced concrete. Joint spacing can be increased somewhat for reinforced concrete where light reinforcing steel is provided to help hold together intermediate cracks that may form in panels. Construction and expansion joints, and dowels, should be designed in accordance with industry standards.

If the subgrade soils are to be chemically treated (e.g. cement), we have provided some pavement alternatives below. For chemically treated subgrade, we recommend the upper 12 inches of subgrade soil be treated and the treated subgrade should obtain a minimum R-value of 50. If chemical treatment of the subgrade is performed, the underlying Class 2 aggregate base section may be reduced from 6 inches to 4 inches, provided it is compacted to a minimum relative compaction of 95 percent (ASTM D1557) as recommended in the "Earthwork" section of our report. Additional testing will need to be performed to determine the appropriate lime/cement percentage to be mixed with the subgrade soil to achieve an estimated R-value of 50. The remaining design and construction details should be consistent with the above recommendations for PCC pavements over untreated subgrade.

Table 7: PCC Pavement Recommendations (Chemical-Treated Subgrade)

Traffic Category	Minimum PCC Thickness[1] (inches)
Trucks per day per lane = 20	6.5
Trucks per day per lane = 80	7.0
Trucks per day per lane = 400	7.5

1 – Subgrade design R-Value = 50 with minimum 4 inches of Class 2 aggregate base

10.2.1 Stress Pads for Trash Enclosures

Pads where trash containers will be stored, and where garbage trucks will park while emptying trash containers, should be constructed on Portland Cement Concrete. We recommend that the trash enclosure pads and stress (landing) pads where garbage trucks will store, pick up, and empty trash be increased to a minimum PCC thickness of 7 inches. The compressive strength, underlayment, and construction details should be consistent with the above recommendations for PCC pavements.

10.3 PAVEMENT CUTOFF

Surface water penetration into the pavement section can significantly reduce the pavement life, due to the native expansive clays. While quantifying the life reduction is difficult, a normal 20-year pavement design could be reduced to less than 10 years; therefore, increased long-term maintenance may be required.

It would be beneficial to include a pavement cut-off, such as deepened curbs, redwood-headers, or "Deep-Root Moisture Barriers" that are keyed at least 4 inches into the pavement subgrade. This will help limit the additional long-term maintenance.

SECTION 11: RETAINING WALLS

11.1 STATIC LATERAL EARTH PRESSURES

The structural design of any site retaining wall should include resistance to lateral earth pressures that develop from the soil behind the wall, any undrained water pressure, and surcharge loads acting behind the wall. Provided a drainage system is constructed behind the wall to prevent the build-up of hydrostatic pressures as discussed in the section below, we recommend that the walls with level backfill be designed for the following pressures:

Table 7: Recommended Lateral Earth Pressures

Wall Condition	Lateral Earth Pressure*	Additional Surcharge Loads
Unrestrained – Cantilever Wall	45 pcf	⅓ of vertical loads at top of wall
Restrained – Braced Wall	45 pcf + 8H** psf	½ of vertical loads at top of wall

* Lateral earth pressures are based on an equivalent fluid pressure for level backfill conditions
** H is the distance in feet between the bottom of footing and top of retained soil

If adequate drainage cannot be provided behind the wall, an additional equivalent fluid pressure of 40 pcf should be added to the values above for both restrained and unrestrained walls for the portion of the wall that will not have drainage. Damp proofing or waterproofing of the walls may be considered where moisture penetration and/or efflorescence are not desired.

11.2 SEISMIC LATERAL EARTH PRESSURES

11.2.1 Site Walls

The 2019 CBC states that lateral pressures from earthquakes should be considered in the design of basements and retaining walls. At this time, we are not aware of any retaining walls for the project. However, minor landscaping walls (i.e. walls 6 feet or less in height) may be proposed. In our opinion, design of these walls for seismic lateral earth pressures in addition to static earth pressures is not warranted.

11.3 WALL DRAINAGE

11.3.1 At-Grade Site Walls

Adequate drainage should be provided by a subdrain system behind all walls. This system should consist of a 4-inch minimum diameter perforated pipe placed near the base of the wall (perforations placed downward). The pipe should be bedded and backfilled with Class 2 Permeable Material per Caltrans Standard Specifications, latest edition. The permeable backfill should extend at least 12 inches out from the wall and to within 2 feet of outside finished grade. Alternatively, ½-inch to ¾-inch crushed rock may be used in place of the Class 2 Permeable Material provided the crushed rock and pipe are enclosed in filter fabric, such as Mirafi 140N or approved equivalent. The upper 2 feet of wall backfill should consist of compacted on-site soil. The subdrain outlet should be connected to a free-draining outlet or sump.

Miradrain, Geotech Drainage Panels, or equivalent drainage matting can be used for wall drainage as an alternative to the Class 2 Permeable Material or drain rock backfill. Horizontal strip drains connecting to the vertical drainage matting may be used in lieu of the perforated pipe and crushed rock section. The vertical drainage panel should be connected to the perforated pipe or horizontal drainage strip at the base of the wall, or to some other closed or through-wall system such as the TotalDrain system from AmerDrain. Sections of horizontal drainage strips should be connected with either the manufacturer's connector pieces or by pulling back the filter fabric, overlapping the panel dimples, and replacing the filter fabric over

the connection. At corners, a corner guard, corner connection insert, or a section of crushed rock covered with filter fabric must be used to maintain the drainage path.

Drainage panels should terminate 18 to 24 inches from final exterior grade. The Miradrain panel filter fabric should be extended over the top of and behind the panel to protect it from intrusion of the adjacent soil.

11.4 BACKFILL

Where surface improvements will be located over the retaining wall backfill, backfill placed behind the walls should be compacted to at least 95 percent relative compaction using light compaction equipment. Where no surface improvements are planned, backfill should be compacted to at least 90 percent. If heavy compaction equipment is used, the walls should be temporarily braced.

11.5 FOUNDATIONS

Retaining walls may be supported on a continuous and or spread footing underlain by ground improvement in accordance with the recommendations presented in the "Foundations" section of this report.

At this time, we are not aware of any site retaining walls. If retaining walls are present and not supported on ground improvement, we should review the location of any site retaining walls prior to design and provide additional recommendations as needed.

SECTION 12: LIMITATIONS

This report, an instrument of professional service, has been prepared for the sole use of Prologis specifically to support the design of the Central Avenue Logistics Center project in Newark, California. The opinions, conclusions, and recommendations presented in this report have been formulated in accordance with accepted geotechnical engineering practices that exist in Northern California at the time this report was prepared. No warranty, expressed or implied, is made or should be inferred.

Recommendations in this report are based upon the soil and groundwater conditions encountered during our subsurface exploration. If variations or unsuitable conditions are encountered during construction, Cornerstone must be contacted to provide supplemental recommendations, as needed.

Prologis may have provided Cornerstone with plans, reports and other documents prepared by others. Prologis understands that Cornerstone reviewed and relied on the information presented in these documents and cannot be responsible for their accuracy.

Cornerstone prepared this report with the understanding that it is the responsibility of the owner or his representatives to see that the recommendations contained in this report are presented to other members of the design team and incorporated into the project plans and specifications,

and that appropriate actions are taken to implement the geotechnical recommendations during construction.

Conclusions and recommendations presented in this report are valid as of the present time for the development as currently planned. Changes in the condition of the property or adjacent properties may occur with the passage of time, whether by natural processes or the acts of other persons. In addition, changes in applicable or appropriate standards may occur through legislation or the broadening of knowledge. Therefore, the conclusions and recommendations presented in this report may be invalidated, wholly or in part, by changes beyond Cornerstone's control. This report should be reviewed by Cornerstone after a period of three (3) years has elapsed from the date of this report. In addition, if the current project design is changed, then Cornerstone must review the proposed changes and provide supplemental recommendations, as needed.

An electronic transmission of this report may also have been issued. While Cornerstone has taken precautions to produce a complete and secure electronic transmission, please check the electronic transmission against the hard copy version for conformity.

Recommendations provided in this report are based on the assumption that Cornerstone will be retained to provide observation and testing services during construction to confirm that conditions are similar to that assumed for design, and to form an opinion as to whether the work has been performed in accordance with the project plans and specifications. If we are not retained for these services, Cornerstone cannot assume any responsibility for any potential claims that may arise during or after construction as a result of misuse or misinterpretation of Cornerstone's report by others. Furthermore, Cornerstone will cease to be the Geotechnical-Engineer-of-Record if we are not retained for these services.

SECTION 13: REFERENCES

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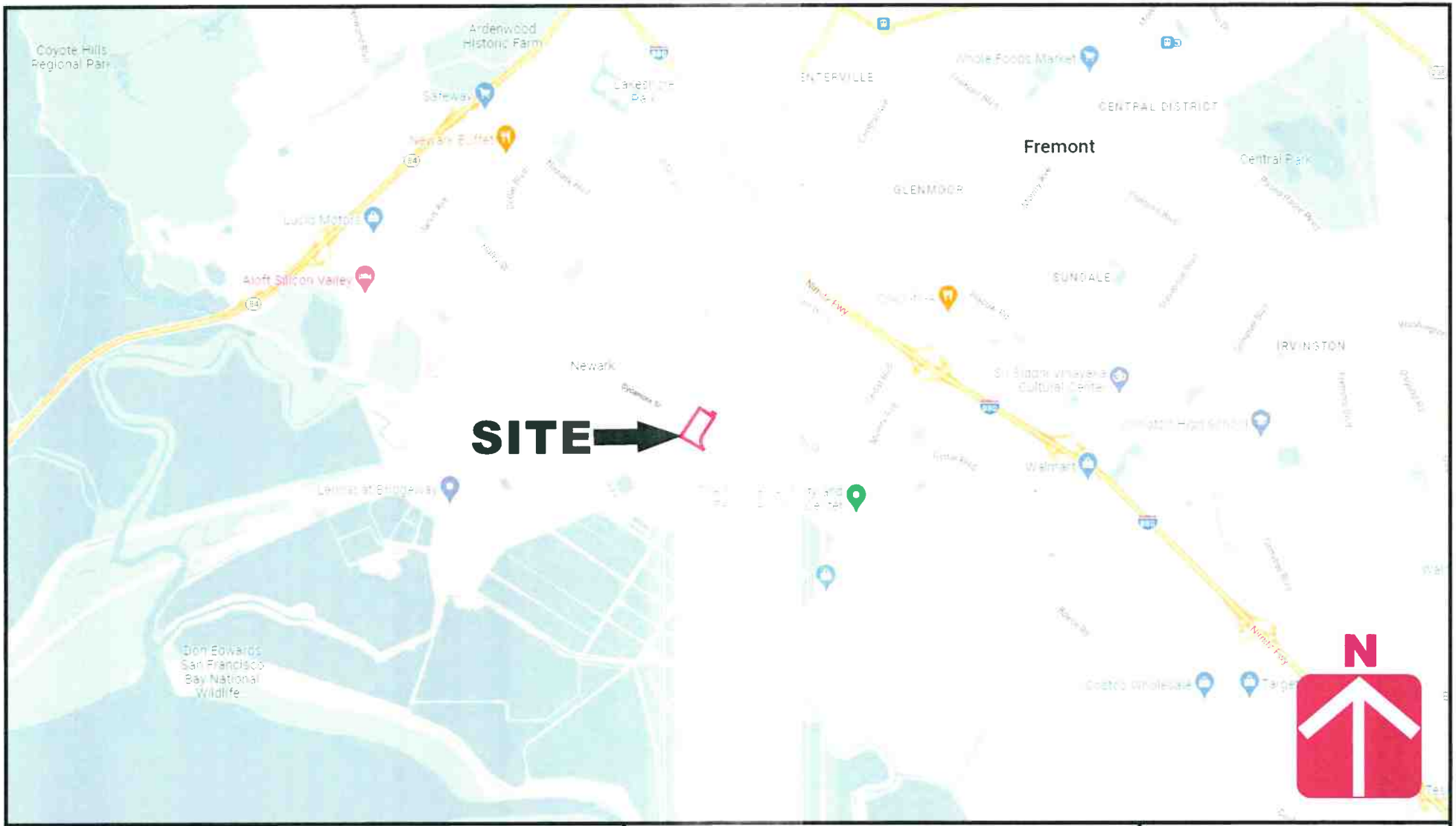

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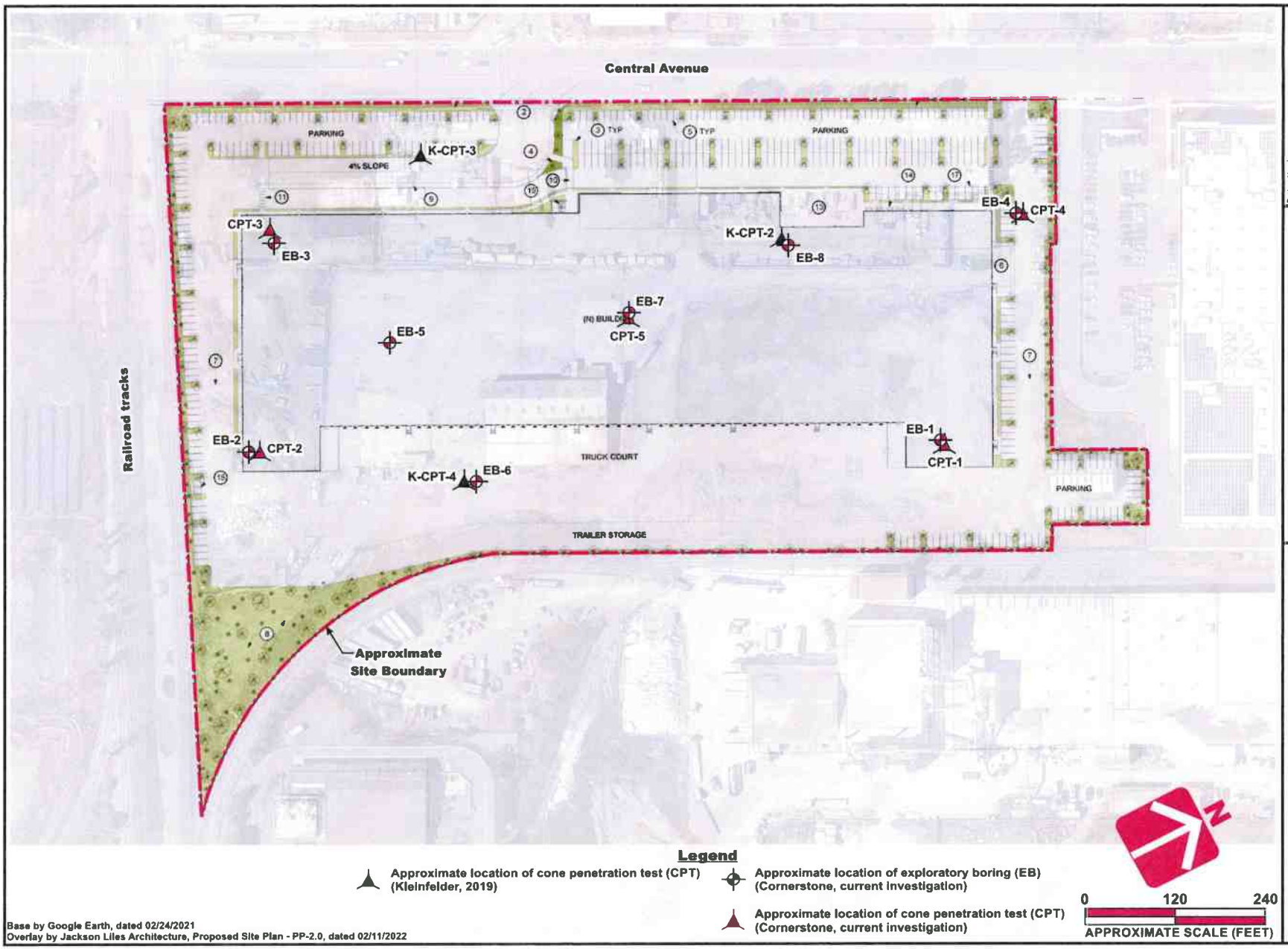
Vicinity Map

6752 Central Avenue
Newark, CA

Project Number	555-26-1
Figure Number	Figure 1
Date	August 2022
Drawn By	RRN



Base by Google Earth, dated 02/24/2021
Overlay by Jackson Liles Architecture, Proposed Site Plan - PP-2.0, dated 02/11/2022

Project Number 555-26-1
Figure Number Figure 2
Date September 2022
Drawn By RRN

Site Plan

6752 Central Avenue
Newark, CA

CORNERSTONE EARTH GROUP

CORNERSTONE EARTH GROUP

Regional Fault Map	6752 Central Avenue Newark, CA
Project Number: 555-26-1	Figure Number: Figure 3
Date: August 2022	Drawn By: RRN

Base by California Geological Survey - 2010 Fault Activity Map of California (Jennings and Bryant, 2010)

CORNERSTONE EARTH GROUP

FIGURE 4A

CPT NO. 1

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PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	8
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

1.37 (Inches)

TOTAL SEISMIC SETTLEMENT 1.4 **INCHES**

POTENTIAL LATERAL DISPLACEMENT

LDI^2 0.00 L/H 1000.0

$LDI^1_{\text{Corrected for Distance}}$ 0.00 (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to 0.0 feet

[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.

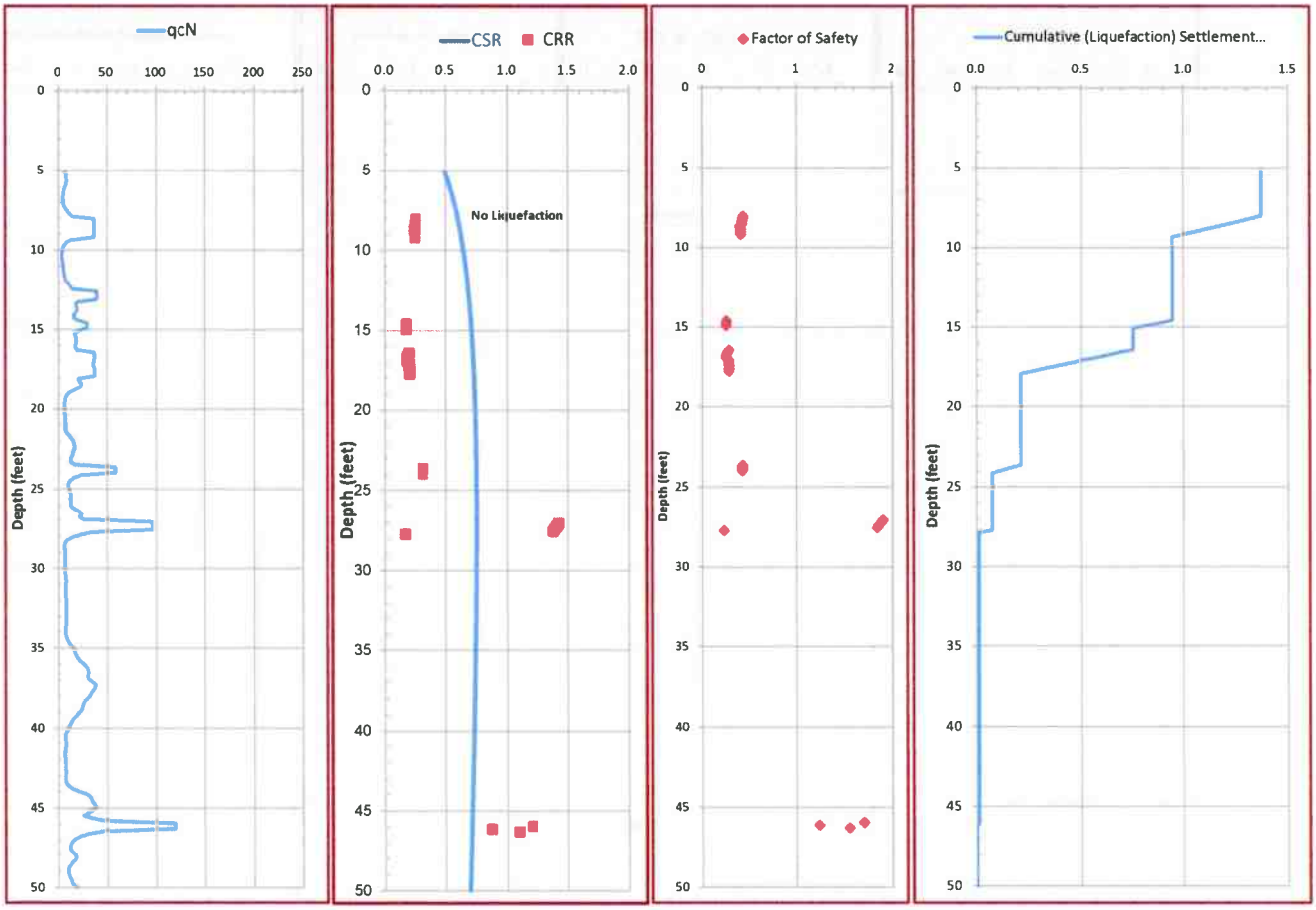

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FIGURE 4B

CPT NO. 2

© 2014 Cornerstone Earth Group, Inc.

PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	12
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

2.59 (Inches)

TOTAL SEISMIC SETTLEMENT 2.6 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI^2 0.00 L/H 1000.0

$LDI'_{Corrected\ for\ Distance}$ 0.00 (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to 0.0 feet

Not Valid for L/H Values < 4 and > 40

²LDI Values Only Summed to 2H Below Grade

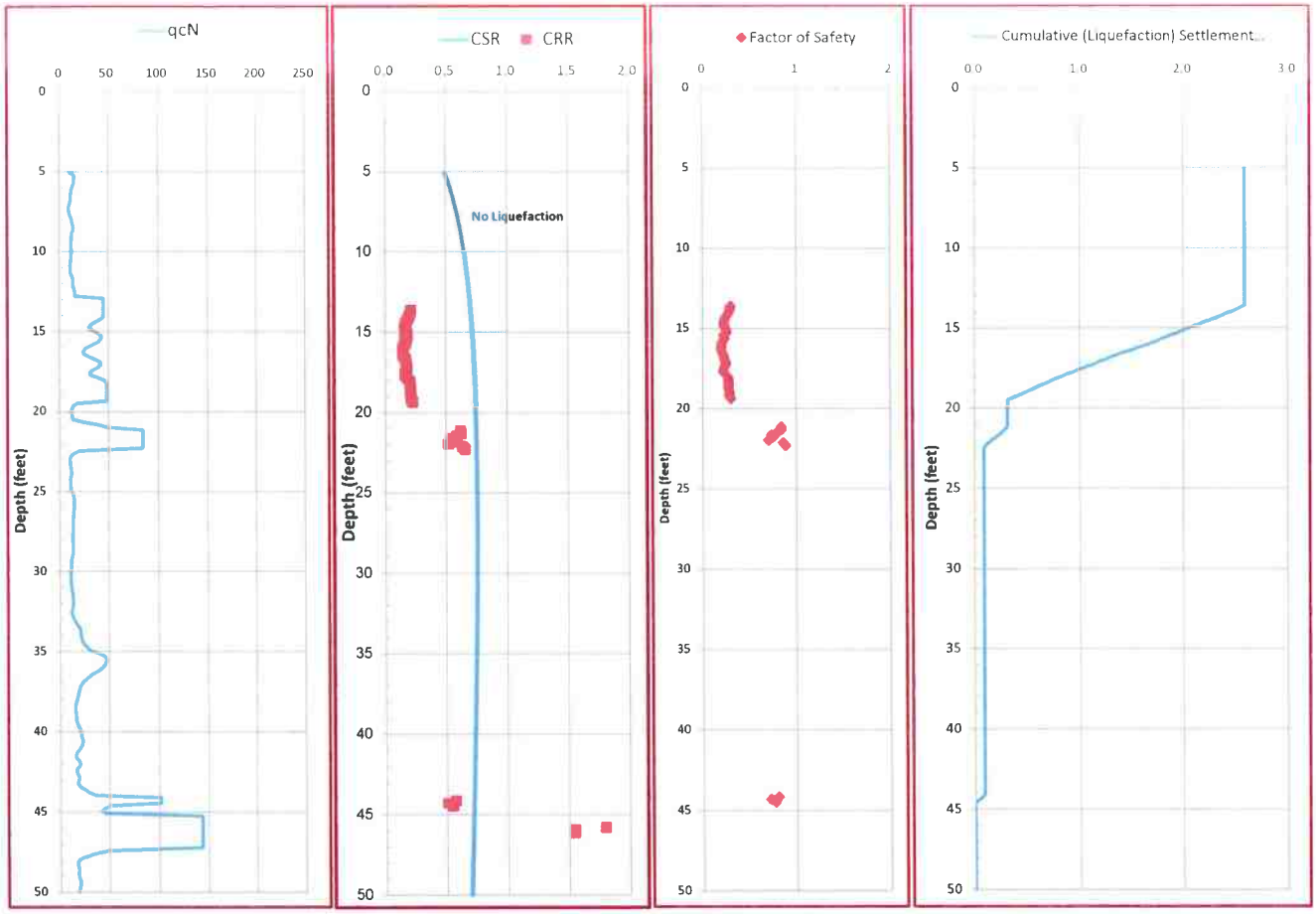

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FIGURE 4C

CPT NO. 3

© 2014 Cornerstone Earth Group, Inc.

PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	10
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

3.96 (Inches)

TOTAL SEISMIC SETTLEMENT 4.0 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI^2 0.00 L/H 1000.0

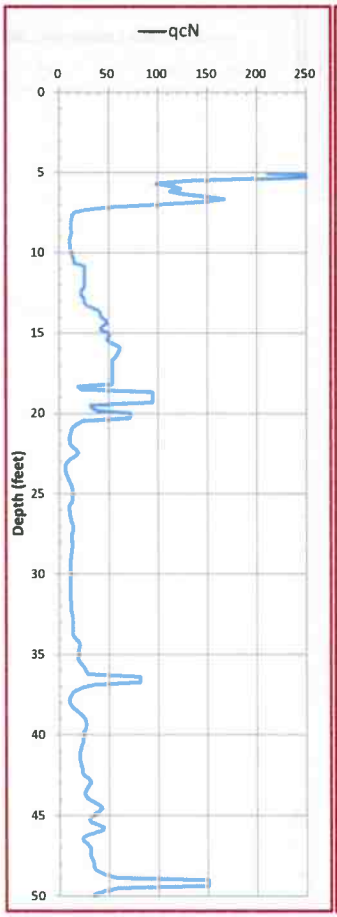
$LDI'_{\text{Corrected for Distance}}$ 0.00 (4 < L/H < 40)

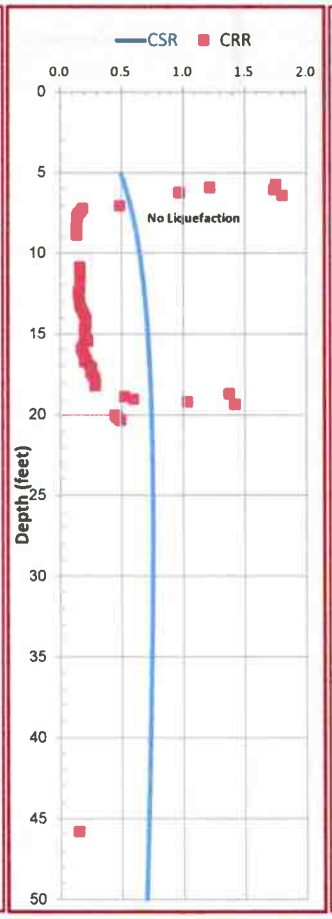
EXPECTED RANGE OF DISPLACEMENT

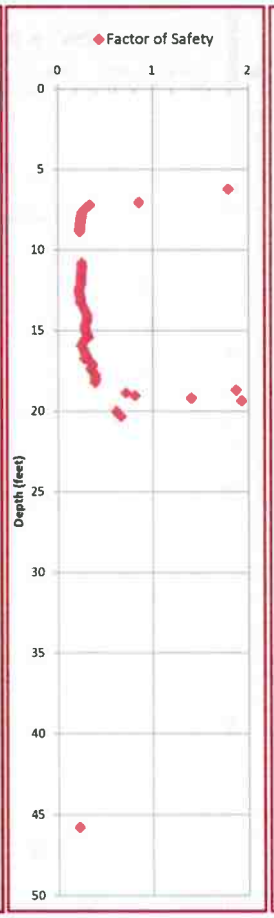
0.0 to 0.0 feet

[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.







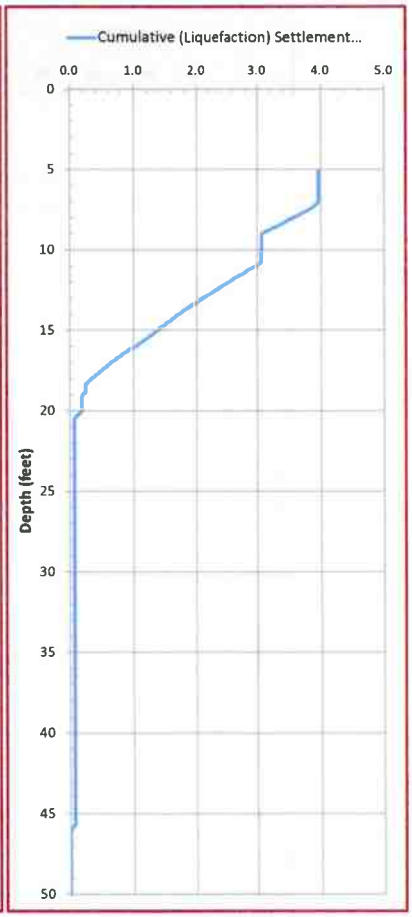


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FIGURE 4D

CPT NO. 4

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PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	8
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

2.38 (Inches)

TOTAL SEISMIC SETTLEMENT 2.4 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI[2] 0.00 L/H 1000.0

LDI'[Corrected for Distance] 0.00 (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to 0.0 feet

[1]Not Valid for L/H Values < 4 and > 40

[2]LDI Values Only Summed to 2H Below Grade

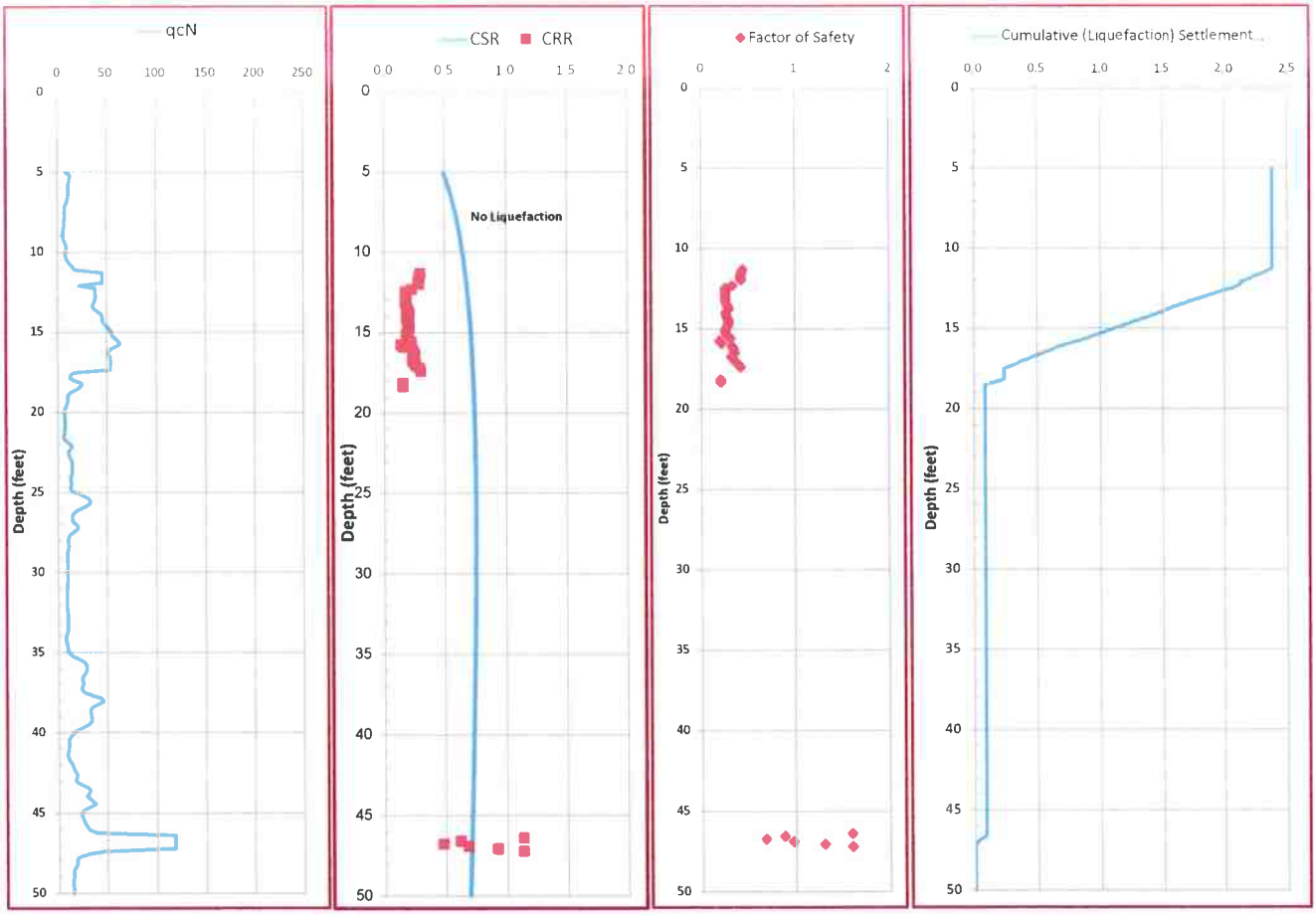

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FIGURE 4E

CPT NO. 5

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PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	6
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

2.63 (Inches)

TOTAL SEISMIC SETTLEMENT 2.6 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI^2 0.00 L/H 1000.0

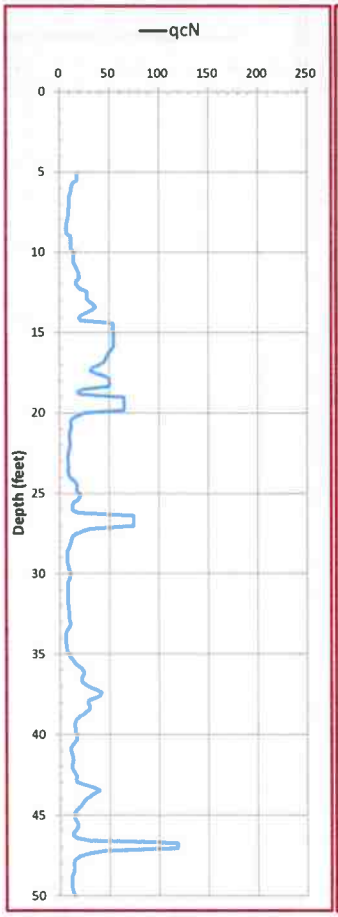
$LDI^1_{\text{Corrected for Distance}}$ 0.00 (4 < L/H < 40)

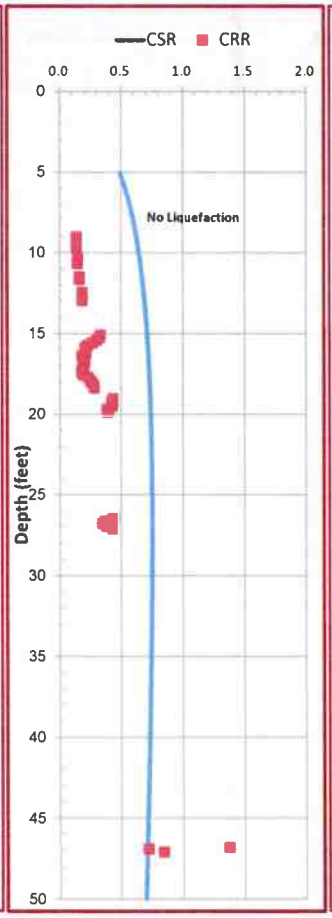
EXPECTED RANGE OF DISPLACEMENT

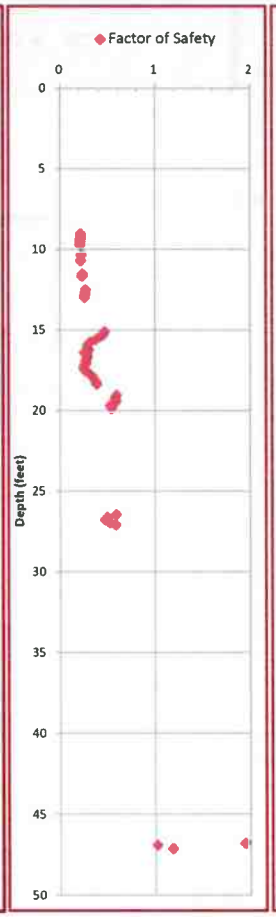
0.0 to 0.0 feet

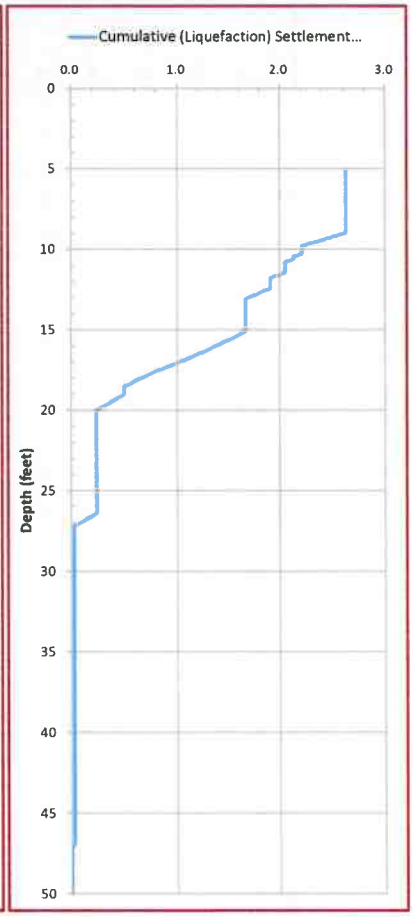
[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.









CORNERSTONE EARTH GROUP

FIGURE 4F

CPT NO. K-2

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PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	10
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

2.69 (Inches)

TOTAL SEISMIC SETTLEMENT 2.7 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI[2] 0.00 L/H 1000.0

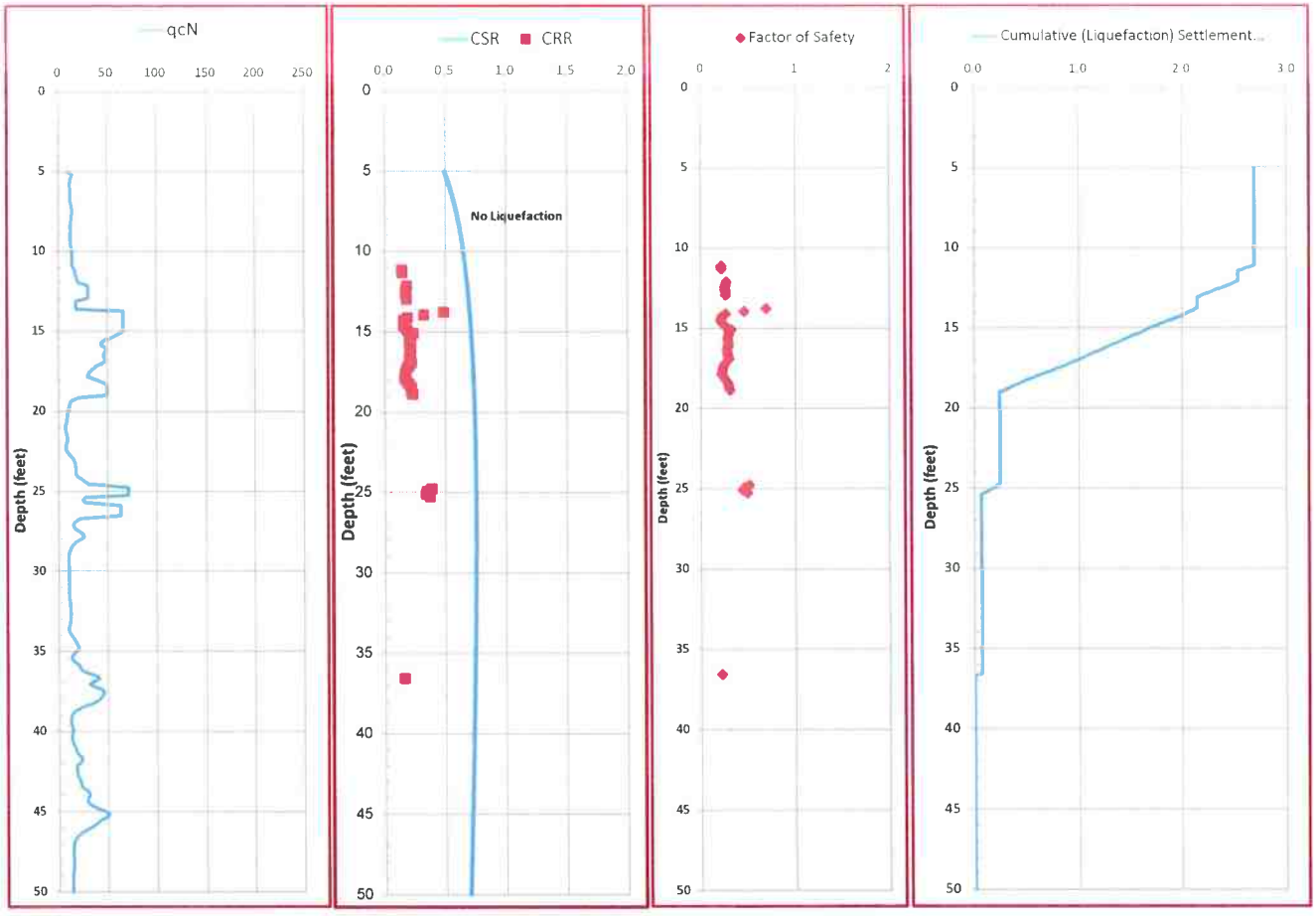
LDI'[Corrected for Distance] 0.00 (4 < L/H < 40)

EXPECTED RANGE OF DISPLACEMENT

0.0 to 0.0 feet

[1]Not Valid for L/H Values < 4 and > 40

[2]LDI Values Only Summed to 2H Below Grade



CORNERSTONE EARTH GROUP

FIGURE 4G

CPT NO. K-3

© 2014 Cornerstone Earth Group, Inc.

PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	5.1
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.04 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

3.88 (Inches)

TOTAL SEISMIC SETTLEMENT 3.9 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI^2 0.00 L/H 1000.0

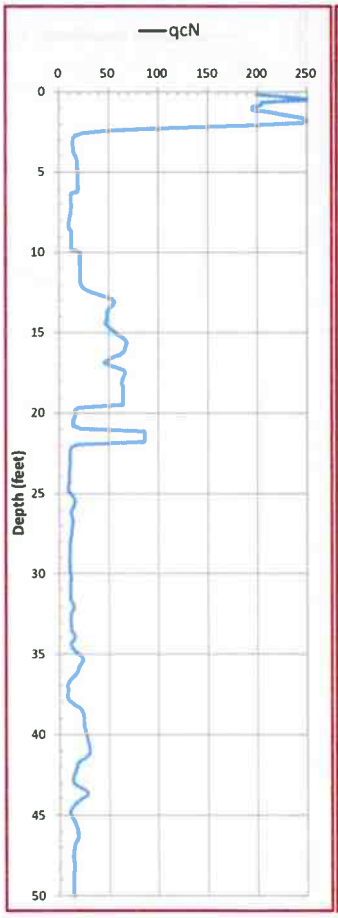
$LDI'_{Corrected\ for\ Distance}$ 0.00 (4 < L/H < 40)

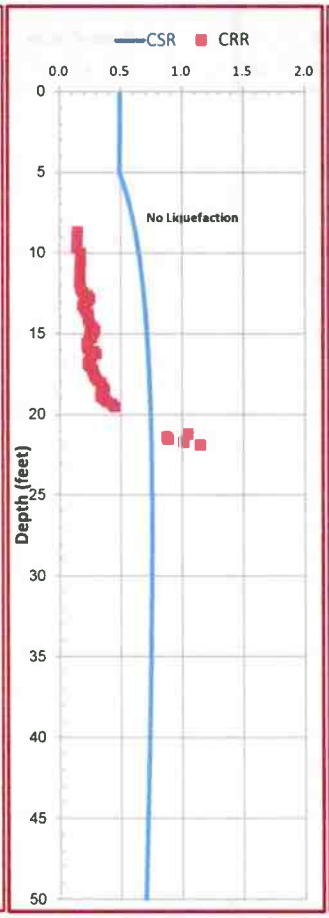
EXPECTED RANGE OF DISPLACEMENT

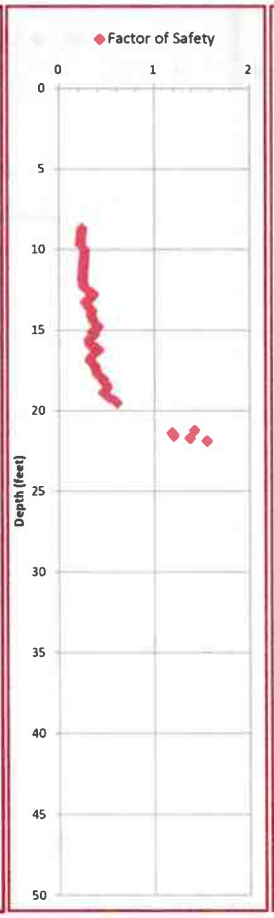
0.0 to 0.0 feet

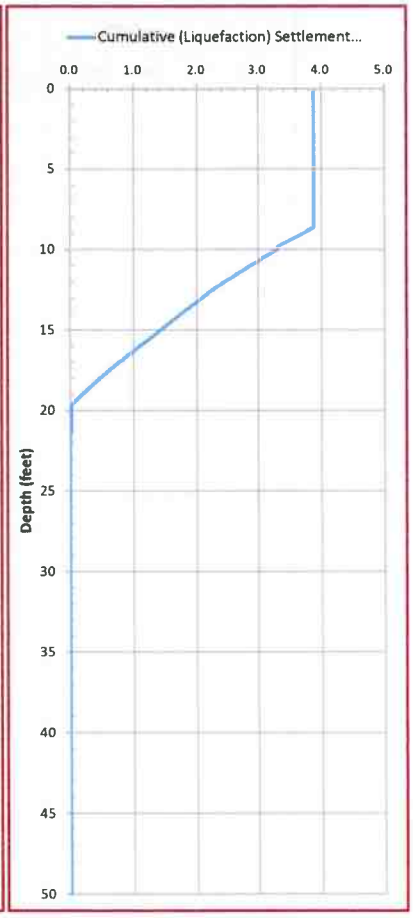
[1]Not Valid for L/H Values < 4 and > 40.

[2]LDI Values Only Summed to 2H Below Grade.









CORNERSTONE EARTH GROUP

FIGURE 4G

CPT NO. K-4

© 2014 Cornerstone Earth Group, Inc.

PROJECT/CPT DATA

Project Title	6750 Central Ave
Project No.	555-26-1
Project Manager	MFR

SEISMIC PARAMETERS

Controlling Fault	Hayward (HS+HE)	
Earthquake Magnitude (Mw)	7.08	
PGA (Amax)	0.76	(g)

SITE SPECIFIC PARAMETERS

Ground Water Depth at Time of Drilling (feet)	10
Design Water Depth (feet)	5
Ave. Unit Weight Above GW (pcf)	120
Ave. Unit Weight Below GW (pcf)	125

CPT ANALYSIS RESULTS

DRY SAND SETTLEMENT FROM 5 FEET

0.00 (Inches)

LIQUEFACTION SETTLEMENT FROM 50 FEET

3.31 (Inches)

TOTAL SEISMIC SETTLEMENT 3.3 INCHES

POTENTIAL LATERAL DISPLACEMENT

LDI[2] 0.00 L/H 1000.0

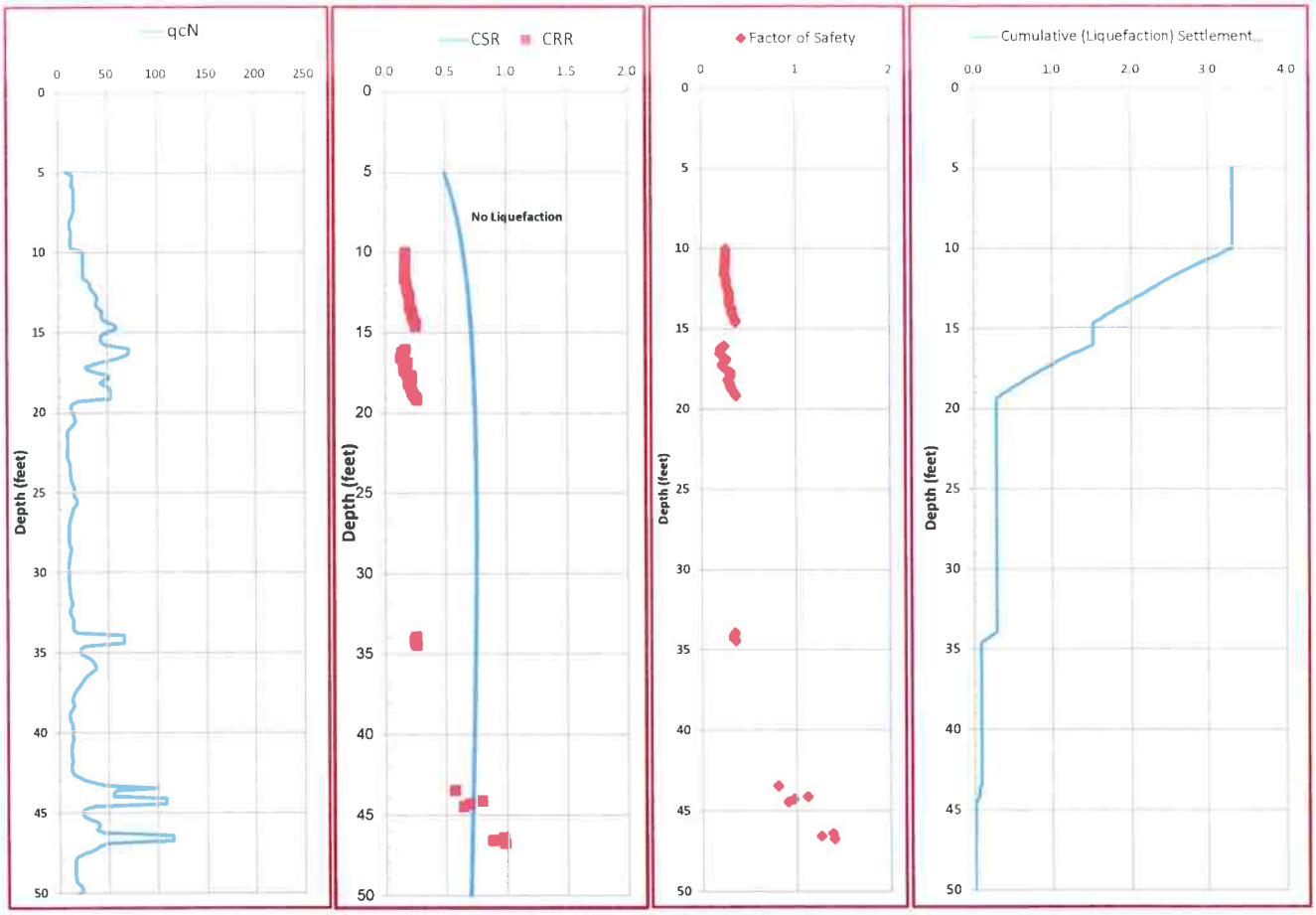
LDI'[Corrected for Distance] 0.00 (4 < L/H < 40)

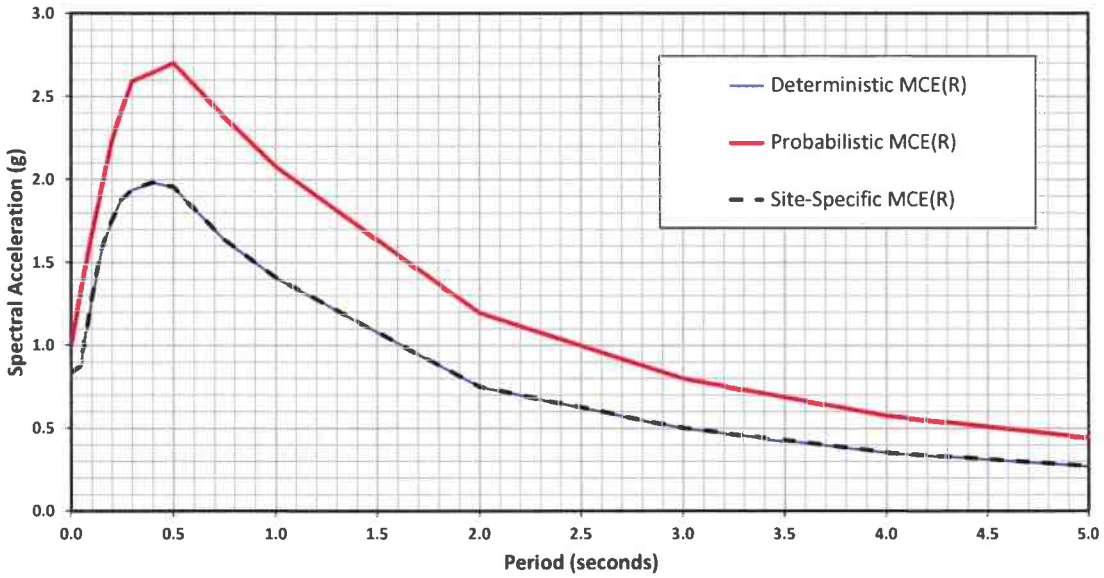
EXPECTED RANGE OF DISPLACEMENT

0.0 to 0.0 feet

[1]Not Valid for L/H Values < 4 and > 40

[2]LDI Values Only Summed to 2H Below Grade





The Site-Specific Maximum Considered Earthquake (MCE_R) is defined as the lesser of the following at all periods:

- Deterministic MCE_R – maximum 84th percentile deterministic, or
- Probabilistic MCE_R – defined as the 2,475–year ground motion.

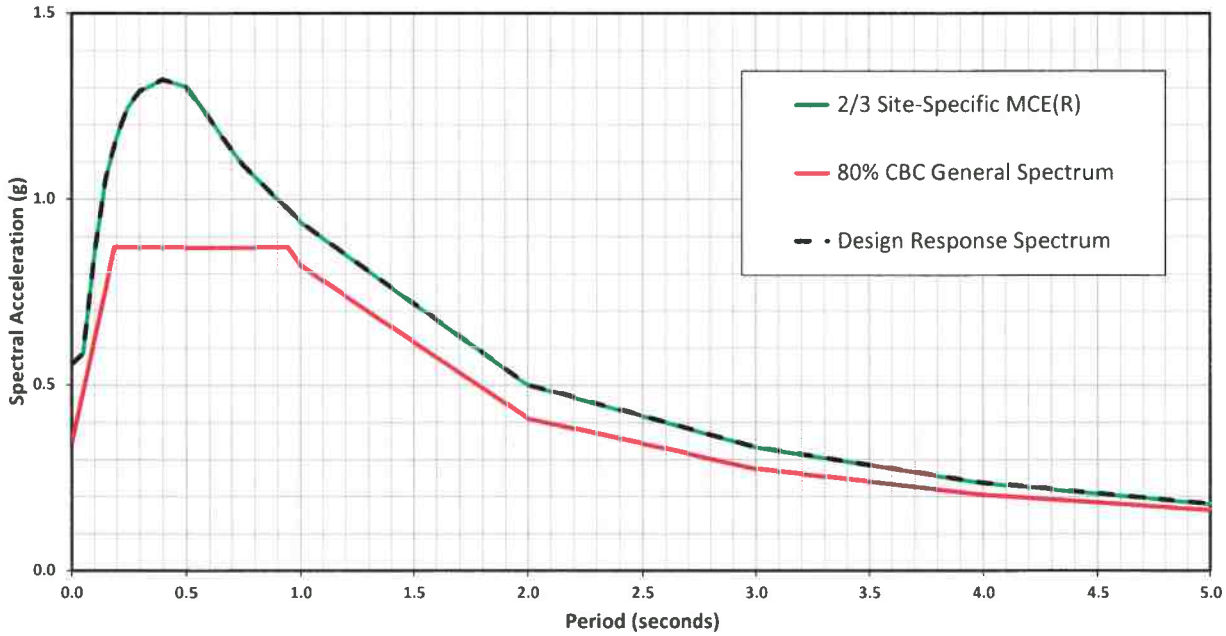
Site-Specific MCE_R	
Period (Seconds)	Spectral Acceleration (g)
0.00	0.832
0.05	0.876
0.10	1.277
0.15	1.581
0.19	1.713
0.20	1.750
0.25	1.872
0.30	1.935
0.40	1.981
0.50	1.954
0.75	1.636
0.95	1.457
1.00	1.407
2.00	0.749
3.00	0.499
4.00	0.353
5.00	0.270

References:

ASCE/SEI 7-16: Minimum Design Loads and Associated Criteria for Buildings and Other Strutures with Supplement No. 1.
2019 California Building Code, Title 24, Part 2, Volume 2

CORNERSTONE EARTH GROUP

MCE_R RESPONSE SPECTRA	FIGURE 5
Central Avenue Logistics Center 6752 Central Ave Newark, CA	PROJECT NO. 555-26-1
	September 12, 2022 | MFR



The Site-Specific Design Response Spectrum per Section 21.2, 21.3 and 21.4 of ASCE 7-16 is defined as the greater of the following at all periods:

- 2/3 of the Site-Specific MCE_R, or
- 80% of the CBC General Spectrum.

0.00	0.555
0.05	0.584
0.10	0.852
0.15	1.054
0.19	1.142
0.20	1.167
0.25	1.248
0.30	1.290
0.40	1.321
0.50	1.302
0.75	1.090
0.95	0.972
1.00	0.938
2.00	0.499
3.00	0.333
4.00	0.235
5.00	0.180

Site Class (Per Chapter 20 ASCE 7-16)	D
Shear Wave Velocity, V_{S30} (m/sec)	250
Site Latitude (degrees)	37.524923
Site Longitude (degrees)	-121.027577
Risk Category	II
Building Period (sec)	Unknown
Importance Factor, I_e	1
[1]Site Specific PGA_M (g)	0.76

[1] Lower of Deterministic and Probabilistic, but not less than 80% of mapped value of FM x PGA, determined in accordance with Section 21.5 of ASCE 7-16.

S_{DS}	1.189
S_{D1}	0.999
S_{MS}	1.783
S_{M1}	1.498

References:

ASCE/SEI 7-16: Minimum Design Loads and Associated Criteria for Buildings and Other Strutures with Supplement No. 1.
2019 California Building Code, Title 24, Part 2, Volume 2

CORNERSTONE EARTH GROUP

DESIGN RESPONSE SPECTRA	FIGURE 6
Central Avenue Logistics Center 6752 Central Ave Newark, CA	PROJECT NO. 555-26-1
	September 12, 2022 | MFR

APPENDIX A: FIELD INVESTIGATION

The field investigation consisted of a surface reconnaissance and a subsurface exploration program using truck-mounted, hollow-stem auger drilling equipment and 25-ton truck-mounted Cone Penetration Test equipment. Eight 8-inch-diameter exploratory borings were drilled on August 16 through 19, 2022 to depths of 25 to 80 feet. Five CPT soundings were also performed in accordance with ASTM D 5778-95 (revised, 2002) on August 10 and 11, 2022 to depths ranging from 50 to 110 feet. The approximate locations of exploratory borings and CPTs are shown on the Site Plan, Figure 2. The soils encountered were continuously logged in the field by our representative and described in accordance with the Unified Soil Classification System (ASTM D2488). Boring logs, as well as a key to the classification of the soil and bedrock, are included as part of this appendix.

Boring and CPT locations were approximated using existing site boundaries, a hand-held GPS unit, and other site features as references. Boring and CPT elevations were not determined. The locations of the borings and CPTs should be considered accurate only to the degree implied by the method used.

Representative soil samples were obtained from the borings at selected depths. All samples were returned to our laboratory for evaluation and appropriate testing. The standard penetration resistance blow counts were obtained by dropping a 140-pound hammer through a 30-inch free fall. The 2-inch O.D. split-spoon sampler was driven 18 inches and the number of blows was recorded for each 6 inches of penetration (ASTM D1586). 2.5-inch I.D. samples were obtained using a Modified California Sampler driven into the soil with the 140-pound hammer previously described. Relatively undisturbed samples were also obtained with 2.875-inch I.D. Shelby Tube sampler which were hydraulically pushed. Unless otherwise indicated, the blows per foot recorded on the boring log represent the accumulated number of blows required to drive the last 12 inches. The various samplers are denoted at the appropriate depth on the boring logs.

The CPT involved advancing an instrumented cone-tipped probe into the ground while simultaneously recording the resistance at the cone tip (q_c) and along the friction sleeve (f_s) at approximately 5-centimeter intervals. Based on the tip resistance and tip to sleeve ratio (R_f), the CPT classified the soil behavior type and estimated engineering properties of the soil, such as equivalent Standard Penetration Test (SPT) blow count, internal friction angle within sand layers, and undrained shear strength in silts and clays. A pressure transducer behind the tip of the CPT cone measured pore water pressure (u_2). Graphical logs of the CPT data is included as part of this appendix.

Field tests included an evaluation of the unconfined compressive strength of the soil samples using a pocket penetrometer device. The results of these tests are presented on the individual boring logs at the appropriate sample depths.

Attached boring and CPT logs and related information depict subsurface conditions at the locations indicated and on the date designated on the logs. Subsurface conditions at other locations may differ from conditions occurring at these boring and CPT locations. The passage of time may result in altered subsurface conditions due to environmental changes. In addition,

any stratification lines on the logs represent the approximate boundary between soil types and the transition may be gradual.

UNIFIED SOIL CLASSIFICATION (ASTM D-2487-98)

MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			GROUP SYMBOL	SOIL GROUP NAMES & LEGEND
COARSE-GRAINED SOILS >50% RETAINED ON NO. 200 SIEVE	GRAVELS >50% OF COARSE FRACTION RETAINED ON NO 4. SIEVE	CLEAN GRAVELS <5% FINES	Cu>4 AND 1<Cc<3	GW	WELL-GRADED GRAVEL
			Cu>4 AND 1>Cc>3	GP	POORLY-GRADED GRAVEL
		GRAVELS WITH FINES >12% FINES	FINES CLASSIFY AS ML OR CL	GM	SILTY GRAVEL
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL
	SANDS >50% OF COARSE FRACTION PASSES ON NO 4. SIEVE	CLEAN SANDS <5% FINES	Cu>6 AND 1<Cc<3	SW	WELL-GRADED SAND
			Cu>6 AND 1>Cc>3	SP	POORLY-GRADED SAND
		SANDS AND FINES >12% FINES	FINES CLASSIFY AS ML OR CL	SM	SILTY SAND
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND
FINE-GRAINED SOILS >50% PASSES NO. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT<50	INORGANIC	PI>7 AND PLOTS>"A" LINE	CL	LEAN CLAY
			PI>4 AND PLOTS<"A" LINE	ML	SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OL	ORGANIC CLAY OR SILT
	SILTS AND CLAYS LIQUID LIMIT>50	INORGANIC	PI PLOTS >"A" LINE	CH	FAT CLAY
			PI PLOTS <"A" LINE	MH	ELASTIC SILT
		ORGANIC	LL (oven dried)/LL (not dried)<0.75	OH	ORGANIC CLAY OR SILT
HIGHLY ORGANIC SOILS		PRIMARILY ORGANIC MATTER, DARK IN COLOR, AND ORGANIC ODOR		PT	PEAT

OTHER MATERIAL SYMBOLS

- Poorly-Graded Sand with Clay
- Clayey Sand
- Sandy Silt
- Artificial/Undocumented Fill
- Poorly-Graded Gravelly Sand
- Topsoil
- Well-Graded Gravel with Clay
- Well-Graded Gravel with Silt
- Sand
- Silt
- Well Graded Gravelly Sand
- Gravelly Silt
- Asphalt
- Boulders and Cobble

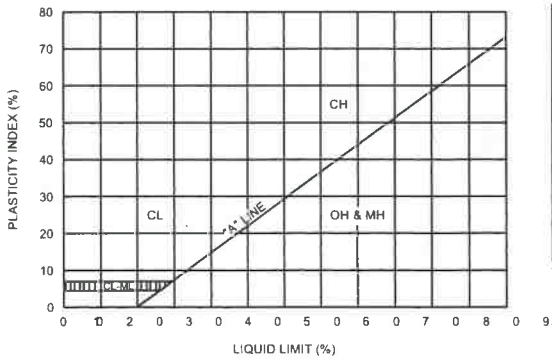
SAMPLER TYPES

- SPT
- Modified California (2.5" I.D.)
- Rock Core
- Shelby Tube
- No Recovery
- Grab Sample

ADDITIONAL TESTS

CA	-	CHEMICAL ANALYSIS (CORROSIVITY)	PI	-	PLASTICITY INDEX
CD	-	CONSOLIDATED DRAINED TRIAXIAL	SW		SWELL TEST
CN	-	CONSOLIDATION	TC	-	CYCLIC TRIAXIAL
CU	-	CONSOLIDATED UNDRAINED TRIAXIAL	TV	-	TORVANE SHEAR
DS	-	DIRECT SHEAR	UC	-	UNCONFINED COMPRESSION
PP	-	POCKET PENETROMETER (TSF)	(1.5)	-	(WITH SHEAR STRENGTH IN KSF)
(3.0)	-	(WITH SHEAR STRENGTH IN KSF)			
RV	-	R-VALUE	UU	-	UNCONSOLIDATED UNDRAINED TRIAXIAL
SA	-	SIEVE ANALYSIS: % PASSING #200 SIEVE			
▼	-	WATER LEVEL			

PLASTICITY CHART



PENETRATION RESISTANCE
(RECORDED AS BLOWS / FOOT)

SAND & GRAVEL		SILT & CLAY		
RELATIVE DENSITY	BLOWS/FOOT*	CONSISTENCY	BLOWS/FOOT*	STRENGTH** (KSF)
VERY LOOSE	0 - 4	VERY SOFT	0 - 2	0 - 0.25
LOOSE	4 - 10	SOFT	2 - 4	0.25 - 0.5
MEDIUM DENSE	10 - 30	MEDIUM STIFF	4 - 8	0.5 - 1.0
DENSE	30 - 50	STIFF	8 - 15	1.0 - 2.0
VERY DENSE	OVER 50	VERY STIFF	15 - 30	2.0 - 4.0
		HARD	OVER 30	OVER 4.0

* NUMBER OF BLOWS OF 140 LB HAMMER FALLING 30 INCHES TO DRIVE A 2 INCH O.D. (1-3/8 INCH I.D.) SPLIT-BARREL SAMPLER THE LAST 12 INCHES OF AN 18-INCH DRIVE (ASTM-1586 STANDARD PENETRATION TEST).

** UNDRAINED SHEAR STRENGTH IN KIPS/SQ FT. AS DETERMINED BY LABORATORY TESTING OR APPROXIMATED BY THE STANDARD PENETRATION TEST, POCKET PENETROMETER, TORVANE, OR VISUAL OBSERVATION.

CORNERSTONE EARTH GROUP

LEGEND TO SOIL DESCRIPTIONS

Figure Number A-1

BORING NUMBER EB-1

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA

DATE STARTED 8/17/22 DATE COMPLETED 8/17/22
GROUND ELEVATION _____ BORING DEPTH 46.5 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.5256162° LONGITUDE -122.0263173°
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY JDS
▽ AT TIME OF DRILLING 8 ft.
NOTES
▼ AT END OF DRILLING 14 ft.

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ELEVATION (ft)	DEPTH (ft)	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0	**Sandy Lean Clay (CL) [Fill]** stiff, moist, gray to red brown mottled, fine to coarse sand, some fine subangular gravel, low plasticity Liquid Limit = 30, Plastic Limit = 14	17	MC-1B	111	17	16	
		Lean Clay (CL) very stiff, moist, brown, some fine sand, moderate plasticity	19	MC-2B	108	18		
	5	becomes stiff	12	MC-3B	104	20		
▽		becomes soft	9	MC-4B	103	24		
		Clayey Sand (SC) loose, wet, brown, fine to medium sand	9	MC-5B	108	20		
	10	**Sandy Lean Clay (CL)** medium stiff, moist, brown, fine to medium sand, low plasticity		ST-6	108	21		
▼		**Sandy Silt (ML)** medium stiff, moist, brown, fine sand, low plasticity	13	MC-7B	100	26		
	15		9	SPT-8		24		79
		Lean Clay with Sand (CL) medium stiff, moist, brown, fine to medium sand, low plasticity	14	MC				
	20	**Lean Clay (CL)** stiff, moist, gray, trace fine sand, moderate plasticity						
		Sandy Silty Clay (CL-ML) stiff, moist, brown, fine to medium sand, low plasticity	16	SPT-10		23		
	25							

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

Continued Next Page

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-1

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
			Sandy Silty Clay (CL-ML) stiff, moist, brown, fine to medium sand, low plasticity	31	SPT-11		33		96
			Lean Clay (CL) stiff, moist, gray with brown mottles, some fine sand, moderate plasticity	34	MC				
	30								
			color changes to bluish gray	36	MC-13E	88	32		
	35								
			Lean Clay with Sand (CL) stiff, moist, gray and brown mottled, fine sand, moderate plasticity	42	MC				
	40								
			Sandy Silt (ML) soft, moist, brown, fine sand, low plasticity	28	MC-15E	104	19		
	45			19	SPT				
			Sandy Lean Clay (CL) stiff, moist, gray brown, fine to medium sand						
			Bottom of Boring at 46.5 feet.						
	50								
	55								

UNDRAINED SHEAR STRENGTH, ksf

○ HAND PENETROMETER

△ TORVANE

● UNCONFINED COMPRESSION

▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL

1.0 2.0 3.0 4.0

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-2

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA
DATE STARTED 8/18/22 DATE COMPLETED 8/18/22
GROUND ELEVATION _____ BORING DEPTH 25 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.5234775° LONGITUDE -122.0279883°
DRILLING METHOD Mobile B-56, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY JDS
AT TIME OF DRILLING 12 ft.
NOTES
AT END OF DRILLING 15 ft.

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ELEVATION (ft)	DEPTH (ft)	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0	**Clayey Sand with Gravel (SC) [Fill]** medium dense, moist, red to gray brown, fine to coarse sand, fine to coarse subangular gravel, some debris	21	MC-1B	111	16		
		Lean Clay (CL) hard, moist, brown, some fine sand, moderate plasticity becomes stiff	26	MC-2B	104	20		
	5		19	MC-3B	102	23		
			20	MC-4B	96	27		
		becomes medium stiff	16	MC				
	10	**Lean Clay with Sand (CL)** very stiff, moist, brown, fine to medium sand, low plasticity Liquid Limit = 24, Plastic Limit = 14 becomes stiff	48	SPT-6		18	10	
			27	MC				
		Poorly Graded Sand with Silt (SP-SM) medium dense, wet, brown, fine to medium sand	17	SPT-8		16		8
	15		34	MC				
		Silty Sand (SM) medium dense, moist, brown, fine to medium sand	20	SPT-10		23		
	20	**Lean Clay (CL)** medium stiff, moist, gray, some fine sand, moderate plasticity	24	SPT				
		Silty Sand (SM) medium dense, moist, brown, fine sand						
		Lean Clay (CL) stiff, moist, gray, trace fine sand, moderate plasticity	22	MC-12B	98	25		
	25	Bottom of Boring at 25.0 feet.						

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0
>4.5

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-3

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA

DATE STARTED 8/17/22 DATE COMPLETED 8/17/22
GROUND ELEVATION _____ BORING DEPTH 40 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.5239694° LONGITUDE -122.0287413°
DRILLING METHOD Mobile B-56, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY JDS
AT TIME OF DRILLING 10 ft.
NOTES
AT END OF DRILLING 10.5 ft.

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ELEVATION (ft)	DEPTH (ft)	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0	**Clayey Sand with Gravel (SC) [Fill]** very dense, moist, dark gray, fine to coarse sand, fine to coarse subangular gravel, trace organics, abundant AC fragments	50/4"	MC-1B	107	15		
		Clayey Sand (SC) [Fill] very dense, moist, black, fine to coarse sand, some fine subangular gravel, very strong petroleum odor, some wood debris	50/3"	MC-2B	69	18		
	5		50/5"	MC-3	68	21		
		becomes loose	7	SPT-4		35		
		Lean Clay with Sand (CL) medium stiff, moist, gray with brown mottles, fine sand, low plasticity	16	MC-5B	104	22		
	10	**Clayey Sand (SC)** loose to medium dense, wet, brown, fine sand	8	SPT				
			32	MC-7B	109	17		
		Silty Sand (SM) medium dense, moist to wet, brown, fine sand	13	SPT				
	15		12	SPT-9		23		
			30	MC				
	20	**Lean Clay with Sand (CL)** stiff, moist, gray, fine sand, moderate plasticity	15	SPT				
		Clayey Sand (SC) medium dense, moist, brown, fine sand	14	MC-12B	89	32		
		Lean Clay (CL) medium stiff, moist, gray and brown mottled, some fine sand, moderate plasticity		ST-13	82	40		
	25							

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UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-3

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0)
			Lean Clay with Sand (CL) very stiff, moist, gray and brown mottled, fine sand, moderate plasticity	80	MC-14B	101	22			○ at 3.0
	30		**Lean Clay (CL)** stiff, moist, bluish gray, some fine sand, moderate plasticity	29	MC-15B	85	36			○ at 1.5
				34	MC					○ at 2.0
	35		**Lean Clay with Sand (CL)** very stiff, moist, brown, fine sand, moderate plasticity	64	MC-17B	107	20			○ at 3.0
	40		Bottom of Boring at 40.0 feet.							
	45									
	50									
	55									

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-4

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA
DATE STARTED 8/17/22 DATE COMPLETED 8/17/22
GROUND ELEVATION _____ BORING DEPTH 45 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.5263073° LONGITUDE -122.0269895°
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY JDS
AT TIME OF DRILLING 8 ft.
NOTES _____
AT END OF DRILLING 13.5 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0		3 inches asphalt concrete over 3 inches Portland cement concrete over 10 inches aggregate base						
			Lean Clay (CL) stiff, moist, brown with gray mottles, some fine to medium sand, moderate plasticity Liquid Limit = 36, Plastic Limit = 15	14	MC-1B	107	20	21	
				30	MC-2B	104	18		
	5			15	MC-3B	105	21		
			Lean Clay with Sand (CL) medium stiff, moist, brown with gray mottles, fine to medium sand, low plasticity	9	MC-4B	106	20		
	10		**Clayey Sand (SC)** medium dense, moist, brown, fine to medium sand	10	SPT				
			Silty Sand (SM) medium dense, moist, brown, fine to medium sand	22	SPT-6		18		
	15			18	MC-7B	109	9		18
	20		**Lean Clay (CL)** medium stiff, moist, gray with brown mottles, some fine sand, moderate plasticity	7	SPT				
			becomes stiff	26	MC-9B	97	28		
	25								

Continued Next Page

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-4

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0)
			Clayey Sand (SC) medium dense, moist, brown, fine to medium sand							
				17	MC					○
	30		**Lean Clay (CL)** medium stiff, moist, bluish gray, trace fine sand, moderate plasticity							
				21	MC-11B	86	34			○
	35									
			Lean Clay with Sand (CL) stiff, moist, gray with brown mottles, fine sand, low to moderate plasticity							
				28	MC-12B	105	20			○
	40				ST-13	106	22			○ ▲
			Sandy Lean Clay (CL) medium stiff, moist, gray to brown mottled, fine sand, low plasticity							
			becomes very stiff	46	MC-14B	105	20			○
	45		Bottom of Boring at 45.0 feet.							
	50									
	55									

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-5

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA

DATE STARTED 8/19/22 DATE COMPLETED 8/19/22
GROUND ELEVATION _____ BORING DEPTH 30 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.524129° LONGITUDE -122.028072°
DRILLING METHOD Mobile B-56, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY EA
AT TIME OF DRILLING 12 ft.
NOTES _____
AT END OF DRILLING 25 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0		**Clayey Sand (SC) [Fill]** medium dense, moist, reddish brown, fine to coarse sand, thin layer of AC at 1.5 feet	39	MC-1B	118	10		
			Lean Clay (CL) very stiff, moist, brown with gray mottles, some fine sand, moderate plasticity	31	MC-2B	111	18		
	5		becomes medium stiff	17	MC-3B	104	22		
				19	MC-4B	106	21		
	10		**Silty, Clayey Sand (SC-SM)** medium dense, wet, brown, fine to medium sand	21	SPT				
	15			9	SPT-6		19		
			Sandy Lean Clay (CL) very stiff, moist, gray brown, fine sand, low plasticity	41	MC-7B	105	18		
	20		**Silty Sand (SM)** medium dense, moist, brown, fine to medium sand	28	MC-8B	99	26		
	25								

Continued Next Page

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-5

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0)
			Lean Clay (CL) stiff, moist, gray with brown mottles, trace fine sand, moderate plasticity	27	MC					○ at 2.0
	30		Bottom of Boring at 30.0 feet.							
	35									
	40									
	45									
	50									
	55									

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-6

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA

DATE STARTED 8/19/22 DATE COMPLETED 8/19/22
GROUND ELEVATION _____ BORING DEPTH 30 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.524102° LONGITUDE -122.027316°
DRILLING METHOD Mobile B-56, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY EA
AT TIME OF DRILLING 10 ft.
NOTES _____
AT END OF DRILLING 24 ft.

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ELEVATION (ft)	DEPTH (ft)	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0	**Sandy Lean Clay (CL) [Fill]** stiff, moist, brown, fine to coarse sand, abundant wood debris, moderate plasticity	32	MC-1B	50	58		
		AC, concrete and metal debris encountered	22	MC-2B	112	18		
	5	**Lean Clay (CL)** very stiff, moist, brown with gray mottles, trace fine sand, moderate plasticity	17	MC-3B	104	19	10	
		Lean Clay with Sand (CL) stiff, moist, brown with gray mottles, fine sand, low plasticity Liquid Limit = 24, Plastic Limit = 14	18	MC-4B	107	20		
	10	**Silty Sand (SM)** medium dense, moist, brown with gray mottles, fine to medium sand NP = non plastic	34	MC-5B	107	20	NP	47
			60	MC-6B	104	21		17
	15	**Lean Clay (CL)** very stiff, moist, brown, some fine sand, low plasticity						
		Silty, Clayey Sand (SC-CM) dense, moist, brown, fine to medium sand	55	MC-7B	109	18		
	20	**Lean Clay (CL)** stiff, moist, gray with brown mottles, trace fine sand, moderate plasticity						
			33	MC				
	25							

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-6

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL) 1.0 2.0 3.0 4.0
			Lean Clay (CL) stiff, moist, gray with brown mottles, trace fine sand, moderate plasticity	18	MC-9B	89	33			○
	30		Bottom of Boring at 30.0 feet.							
	35									
	40									
	45									
	50									
	55									

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-7

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA

DATE STARTED 8/16/22 DATE COMPLETED 8/16/22
GROUND ELEVATION _____ BORING DEPTH 80 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.5249235° LONGITUDE -122.0275769°
DRILLING METHOD Mobile B-61, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY JDS
AT TIME OF DRILLING 6 ft.
NOTES _____
AT END OF DRILLING 16 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE	UNDRAINED SHEAR STRENGTH, ksf (○ HAND PENETROMETER, △ TORVANE, ● UNCONFINED COMPRESSION, ▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL; 1.0 2.0 3.0 4.0)
	0		**Clayey Sand with Gravel (SC) [Fill]** medium dense, moist, reddish brown, fine to coarse sand, fine to coarse subangular gravel	28	MC-1B	104	21			
			Lean Clay (CL) very stiff, moist, gray brown mottled, trace fine to medium sand, moderate plasticity	27	MC-2B	106	18			
	5		becomes medium stiff	7	MC-3B	102	21			
			Sandy Lean Clay (CL) soft, brown, moist, fine to medium sand, low plasticity		ST-4	112	19			
			Clayey Sand (SC) loose, wet, brown, fine to medium sand	10	MC					
	10			13	MC-6B	107	21			
			Sandy Lean Clay (CL) medium stiff, moist, gray and brown mottled, fine to medium sand, low plasticity	6	SPT					
	15		**Sandy Silty Clay (CL-ML)** medium stiff, moist, brown, fine sand, low plasticity	13	SPT-8		27			
				19	SPT-9		27			
			Sandy Silt (ML) stiff, moist, gray and brown mottled, fine sand, low plasticity	22	MC-10B	99	22			
	20		**Sandy Lean Clay (CL)** stiff to medium stiff, moist, gray, fine to medium sand, low plasticity		ST					
			Lean Clay with Sand (CL) medium stiff, moist, gray with brown mottles, fine sand, moderate plasticity	16	MC					
	25		**Silty Sand (SM)**	15	SPT					

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-7

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

This log is a part of a report by Cornerstone Earth Group, and should not be used as a stand-alone document. This description applies only to the location of the exploration at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with time. The description presented is a simplification of actual conditions encountered. Transitions between soil types may be gradual.

ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
			medium dense, moist, brown, fine sand						
			Sandy Lean Clay (CL) stiff, moist, brown, fine sand, low plasticity						
			Lean Clay (CL) stiff, moist, bluish gray, some fine sand, moderate plasticity	37	MC-14B	86	35		
	30				ST				
			becomes medium stiff	53	MC-16B	102	23		
	35								
			Lean Clay with Sand (CL) stiff, moist, gray, fine sand, moderate plasticity	13	MC				
	40								
			Sandy Lean Clay (CL) stiff, moist, gray with brown mottles, fine to medium sand, low plasticity	22	MC-18B	110	19		
	45								
			Silty Sand (SM) medium dense, moist, brown, fine to medium sand, trace fine subangular gravel	30	MC-19B	108	17		
	50		**Lean Clay (CL)** very stiff, moist, gray and brown mottled, fine to medium sand, moderate plasticity						
			Lean Clay with Sand (CL) stiff, moist, gray with brown mottles, fine sand, low plasticity	27	MC-20B	101	22		
	55								

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

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CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-7

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue

PROJECT NUMBER 555-26-1

PROJECT LOCATION Newark, CA

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
			Lean Clay with Sand (CL) stiff, moist, gray with brown mottles, fine sand, low plasticity	31	MC-21B	105	21		
	60		**Lean Clay (CL)** stiff, moist, bluish gray, some fine sand, moderate plasticity		ST-22	106	19		
				28	MC-23B	102	23		
	65		becomes very stiff	26	MC-24B	99	24		
	70		**Silt with Sand (ML)** very stiff, moist, brown, fine sand, low plasticity	23	SPT				
			Silty Sand (SM) medium dense, moist, brown, fine to medium sand						
			becomes very dense	50/5"	MC-26B	108	19		
	75		**Poorly Graded Sand with Silt (SP-SM)** dense, wet, fine to coarse sand, some fine subrounded gravel						
				82	MC-27B	122	10		
	80		Bottom of Boring at 80.0 feet.						
	85								

UNDRAINED SHEAR STRENGTH, ksf

○ HAND PENETROMETER

△ TORVANE

● UNCONFINED COMPRESSION

▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL

1.0 2.0 3.0 4.0

CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

BORING NUMBER EB-8

CORNERSTONE EARTH GROUP

PROJECT NAME 6750 Central Avenue
PROJECT NUMBER 555-26-1
PROJECT LOCATION Newark, CA
DATE STARTED 8/19/22 DATE COMPLETED 8/19/22
GROUND ELEVATION _____ BORING DEPTH 26.5 ft.
DRILLING CONTRACTOR Exploration Geoservices, Inc.
LATITUDE 37.525530° LONGITUDE -122.027440°
DRILLING METHOD Mobile B-56, 8 inch Hollow-Stem Auger
GROUND WATER LEVELS:
LOGGED BY EA
AT TIME OF DRILLING 10 ft.
NOTES
AT END OF DRILLING 11 ft.

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ELEVATION (ft)	DEPTH (ft)	SYMBOL	DESCRIPTION	N-Value (uncorrected) blows per foot	SAMPLES TYPE AND NUMBER	DRY UNIT WEIGHT PCF	NATURAL MOISTURE CONTENT	PLASTICITY INDEX, %	PERCENT PASSING No. 200 SIEVE
	0		**Clayey Sand with Gravel (SC) [Fill]** medium dense, moist, reddish brown, fine to coarse sand, fine to coarse subangular gravel	34	MC-1C	109	16		
			Lean Clay (CL) very stiff, moist, dark brown to brown, some fine sand, moderate plasticity	39	MC-2B	108	18		
	5		becomes medium stiff	15	MC-3B	102	21		
			Sandy Lean Clay (CL) medium stiff, moist, brown, fine sand, low plasticity	16	MC-4B	106	20	10	
	10		Liquid Limit = 23, Plastic Limit = 13						
			Silty Sand (SM) medium dense, moist, brown, fine to medium sand	24	MC-5		19		22
			Sandy Silt (ML) stiff, moist, brown, fine sand, low plasticity	36	SPT				
	15		**Silty Sand (SM)** medium dense, moist, brown, fine to medium sand	31	MC-7B	106	17		36
			Lean Clay (CL) medium stiff, moist, brown, some fine sand, moderate plasticity	25	SPT-8B		25		
	20			75	MC-9B	101	24		
	25		**Sandy Silty Clay (CL-ML)** stiff, moist, brown, fine sand, low plasticity	10	SPT-10B		29		
			Lean Clay with Sand (CL) stiff, moist, gray, fine sand, moderate plasticity						
			Bottom of Boring at 26.5 feet.						

UNDRAINED SHEAR STRENGTH, ksf
○ HAND PENETROMETER
△ TORVANE
● UNCONFINED COMPRESSION
▲ UNCONSOLIDATED-UNDRAINED TRIAXIAL
1.0 2.0 3.0 4.0

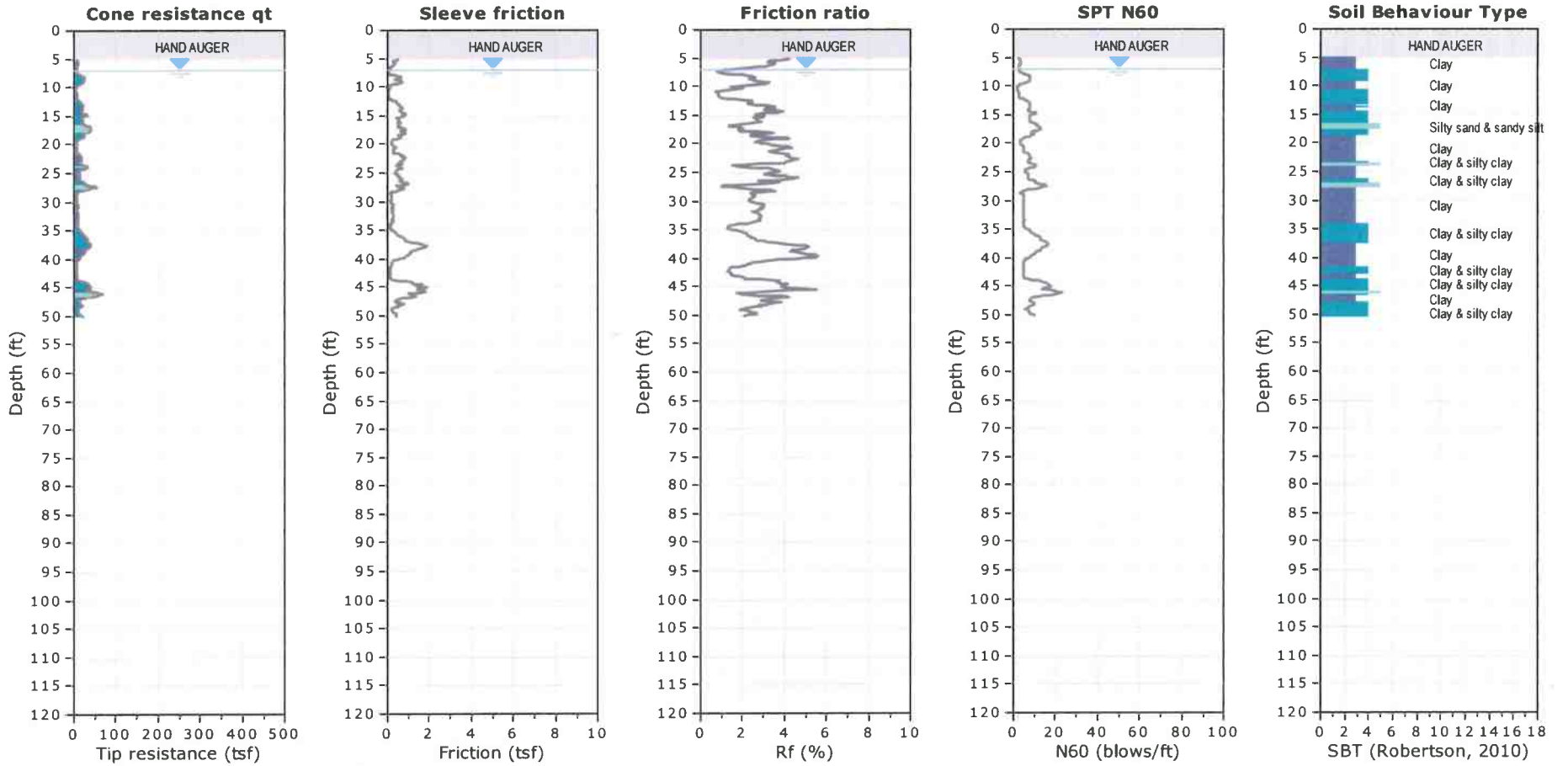
CORNERSTONE EARTH GROUP2 - CORNERSTONE 0812.GDT - 9/23/22 13:13 - P:\DRAFTING\GINT FILES\555-26-1 6750 CENTRAL AVE.GPJ

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

CPT: CPT-1

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

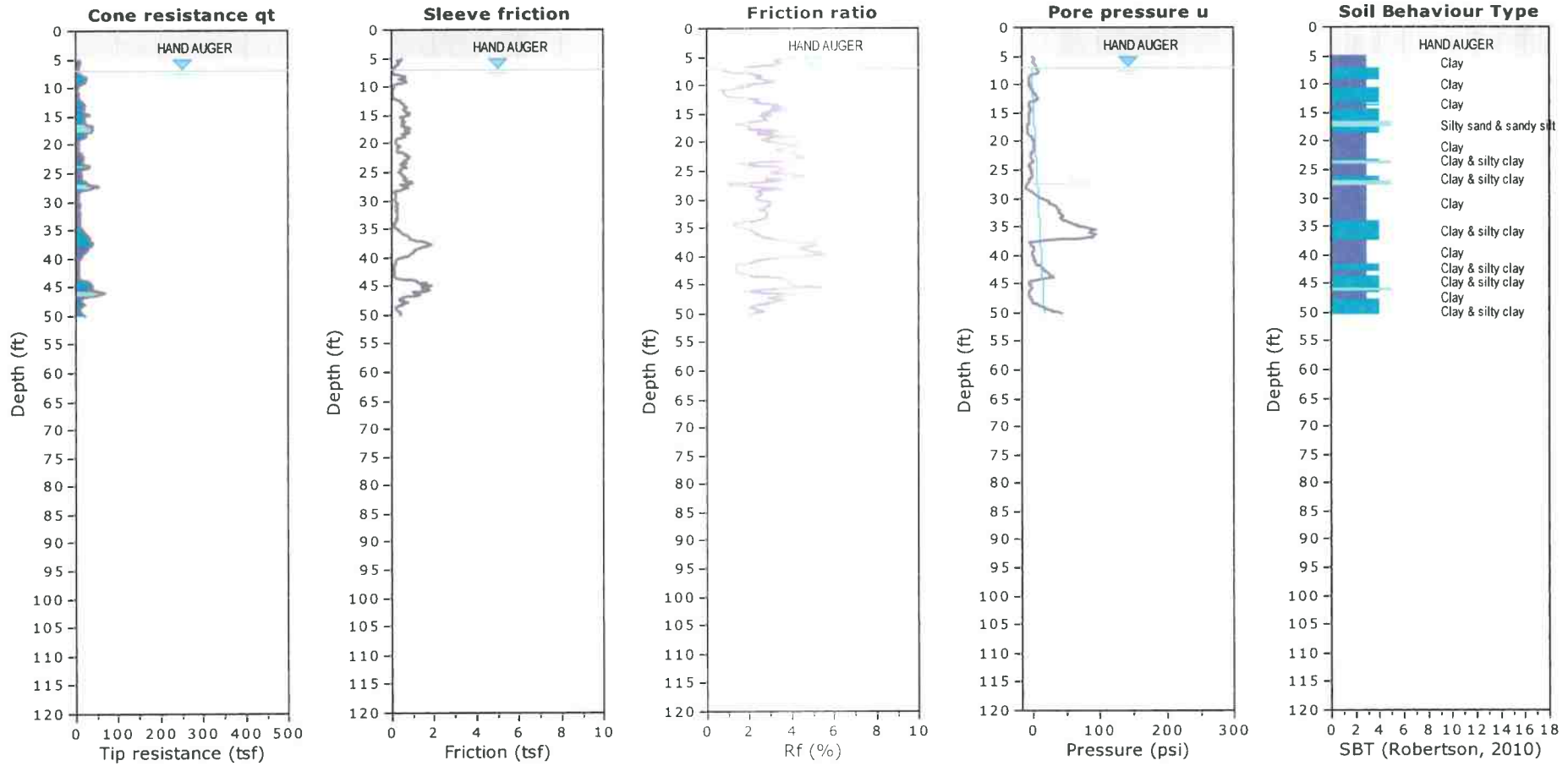
FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 50.03 ft, Date: 8/10/2022



CPT: CPT-1

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 50.03 ft, Date: 8/10/2022



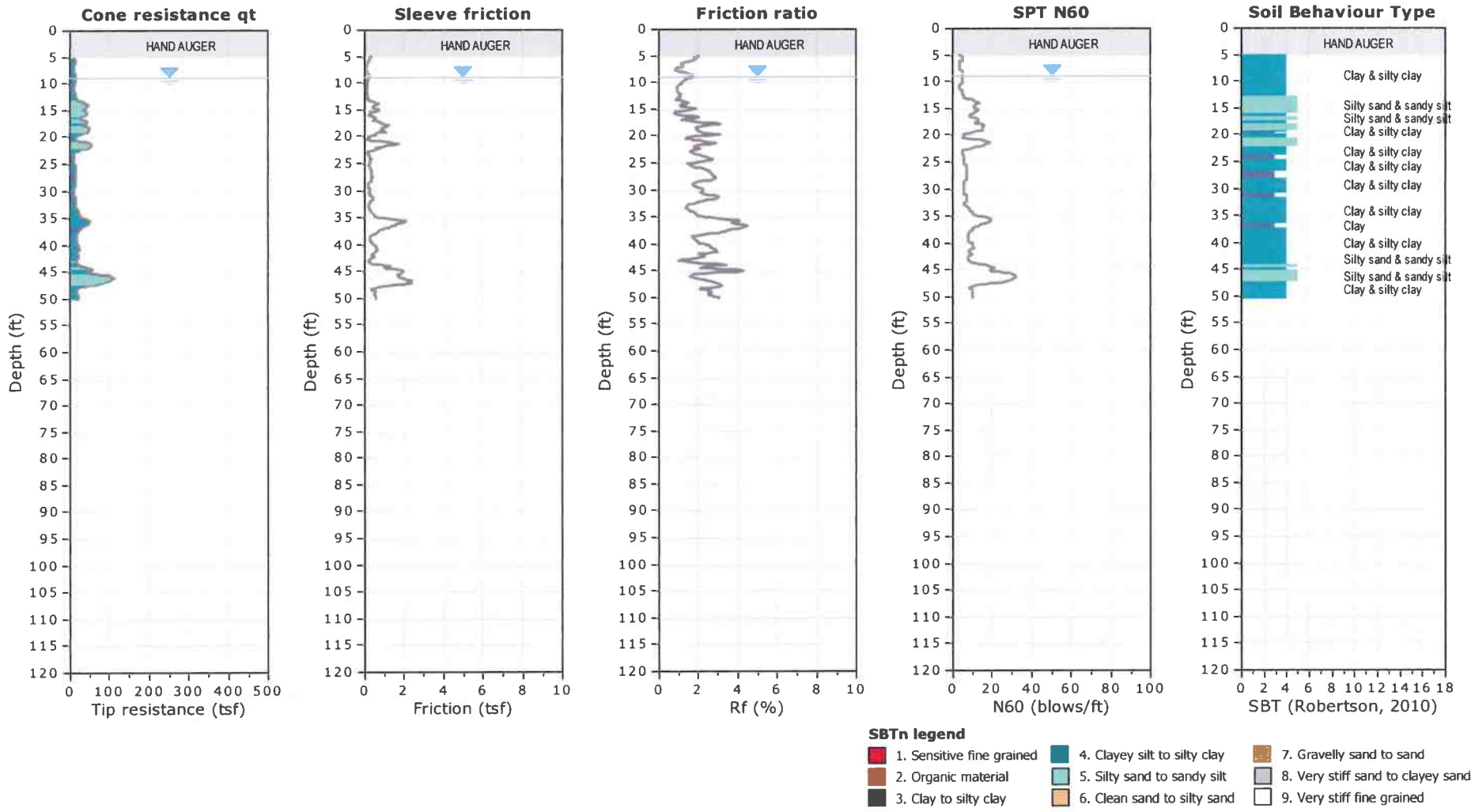
WATER TABLE FOR ESTIMATING PURPOSES ONLY

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

CPT: CPT-2

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

FIELD REP: EVERETT ALLEN
Cone ID: GDC-83
Total depth: 50.03 ft, Date: 8/12/2022

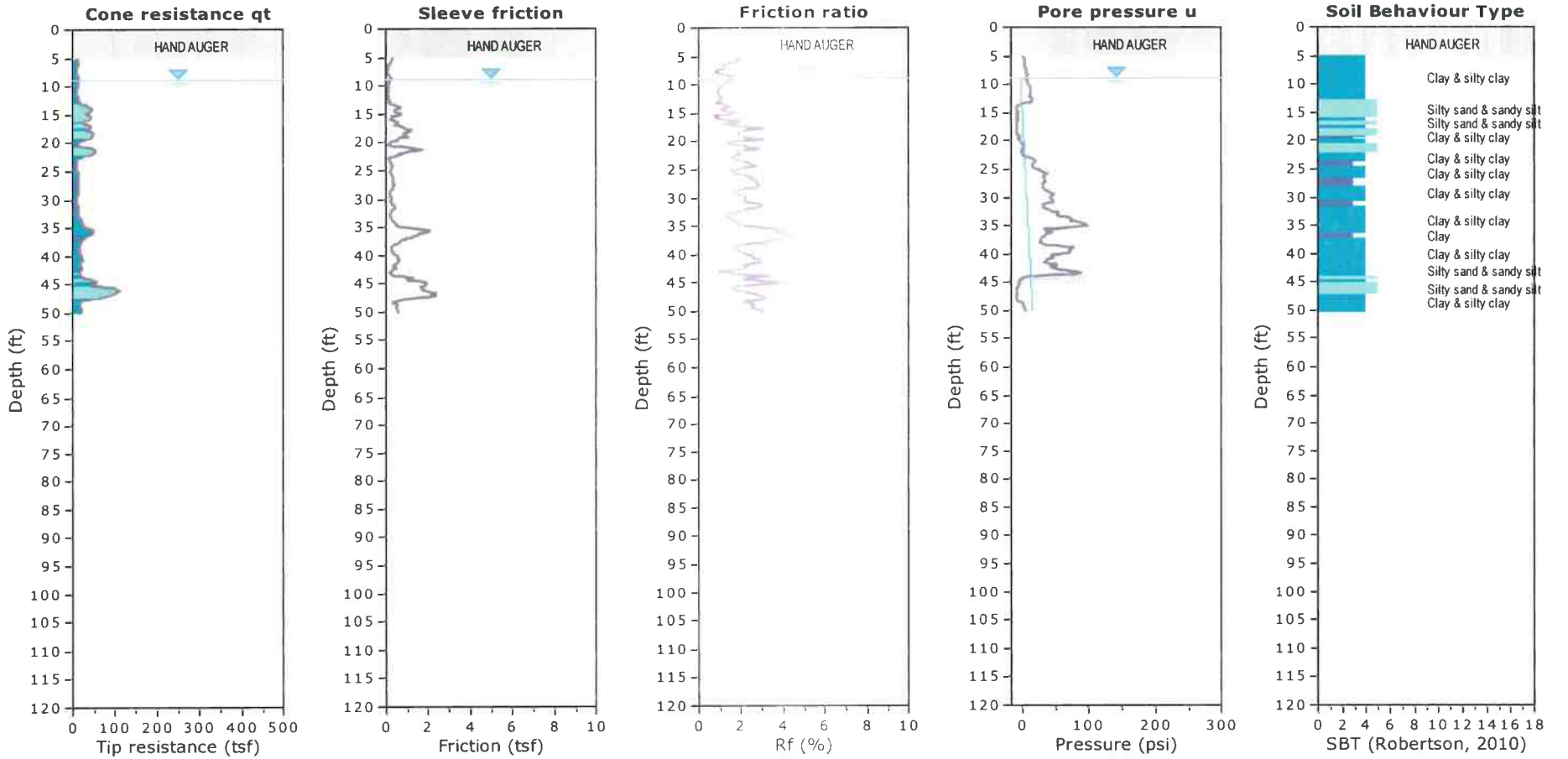


GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

CPT: CPT-2

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

FIELD REP: EVERETT ALLEN
Cone ID: GDC-83
Total depth: 50.03 ft, Date: 8/12/2022



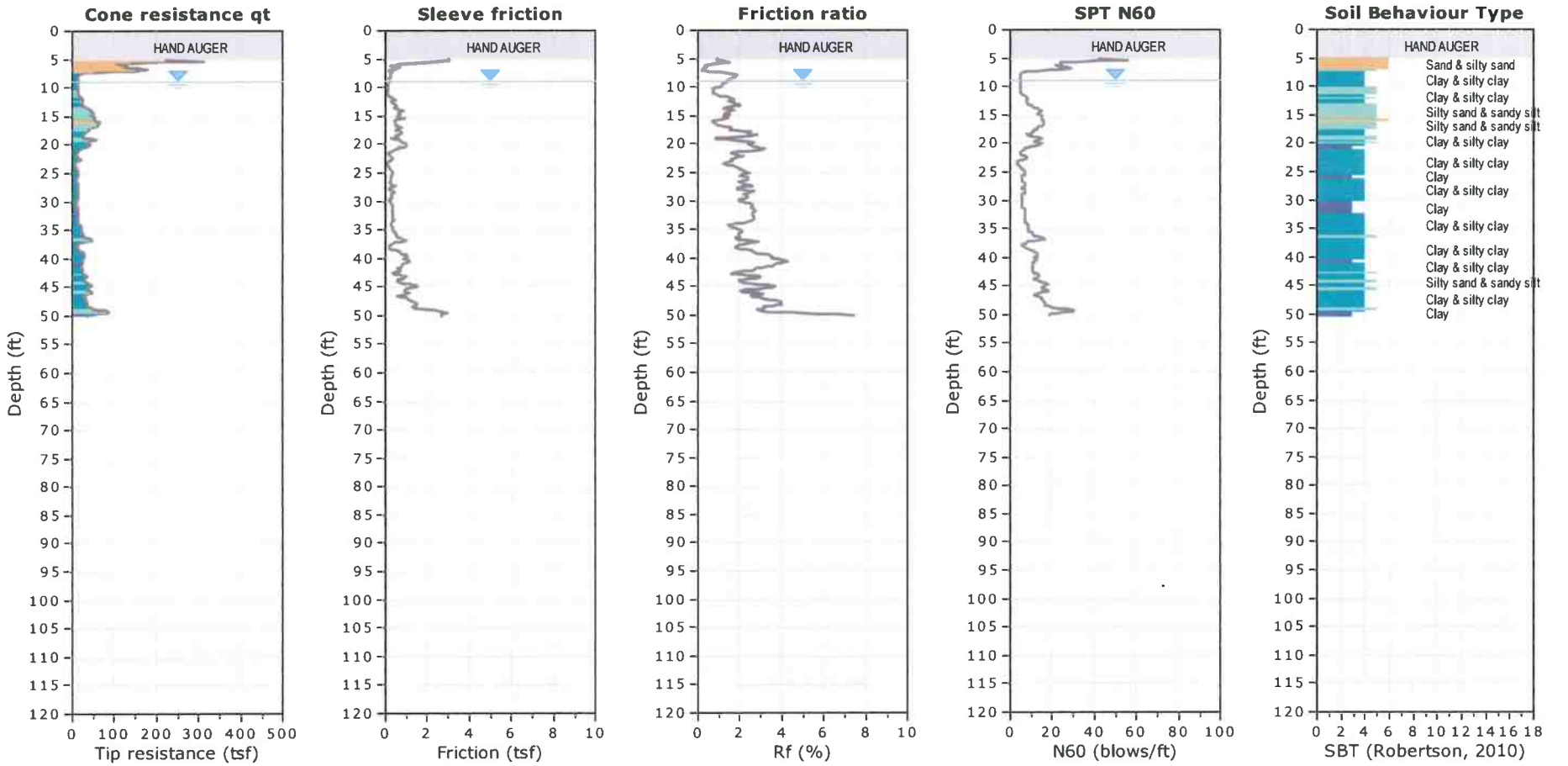
WATER TABLE FOR ESTIMATING PURPOSES ONLY

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

CPT: CPT-3

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

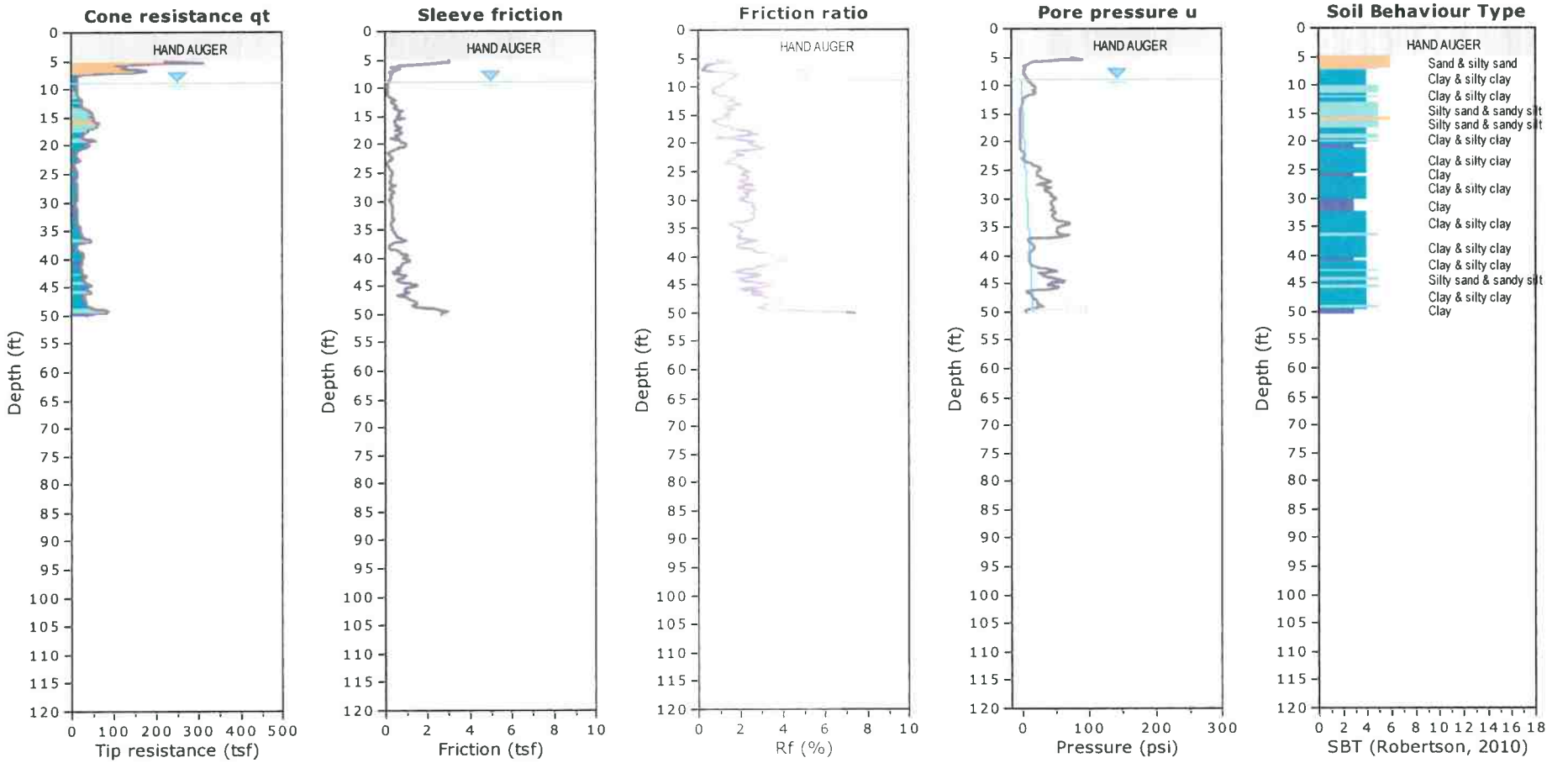
FIELD REP: EVERETT ALLEN
Cone ID: GDC-83
Total depth: 50.03 ft, Date: 8/12/2022



CPT: CPT-3

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

FIELD REP: EVERETT ALLEN
Cone ID: GDC-83
Total depth: 50.03 ft, Date: 8/12/2022



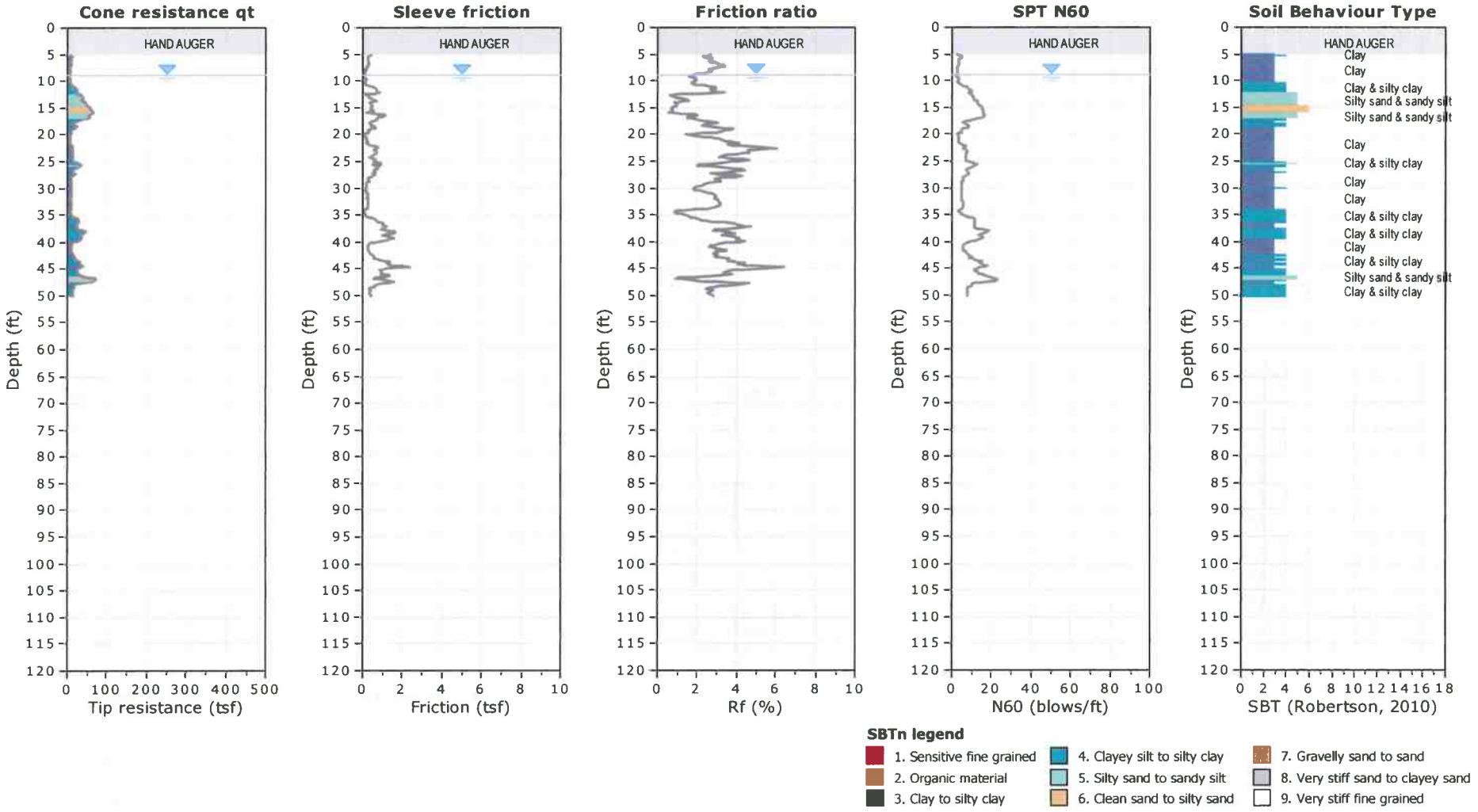
WATER TABLE FOR ESTIMATING PURPOSES ONLY

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

CPT: CPT-4

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

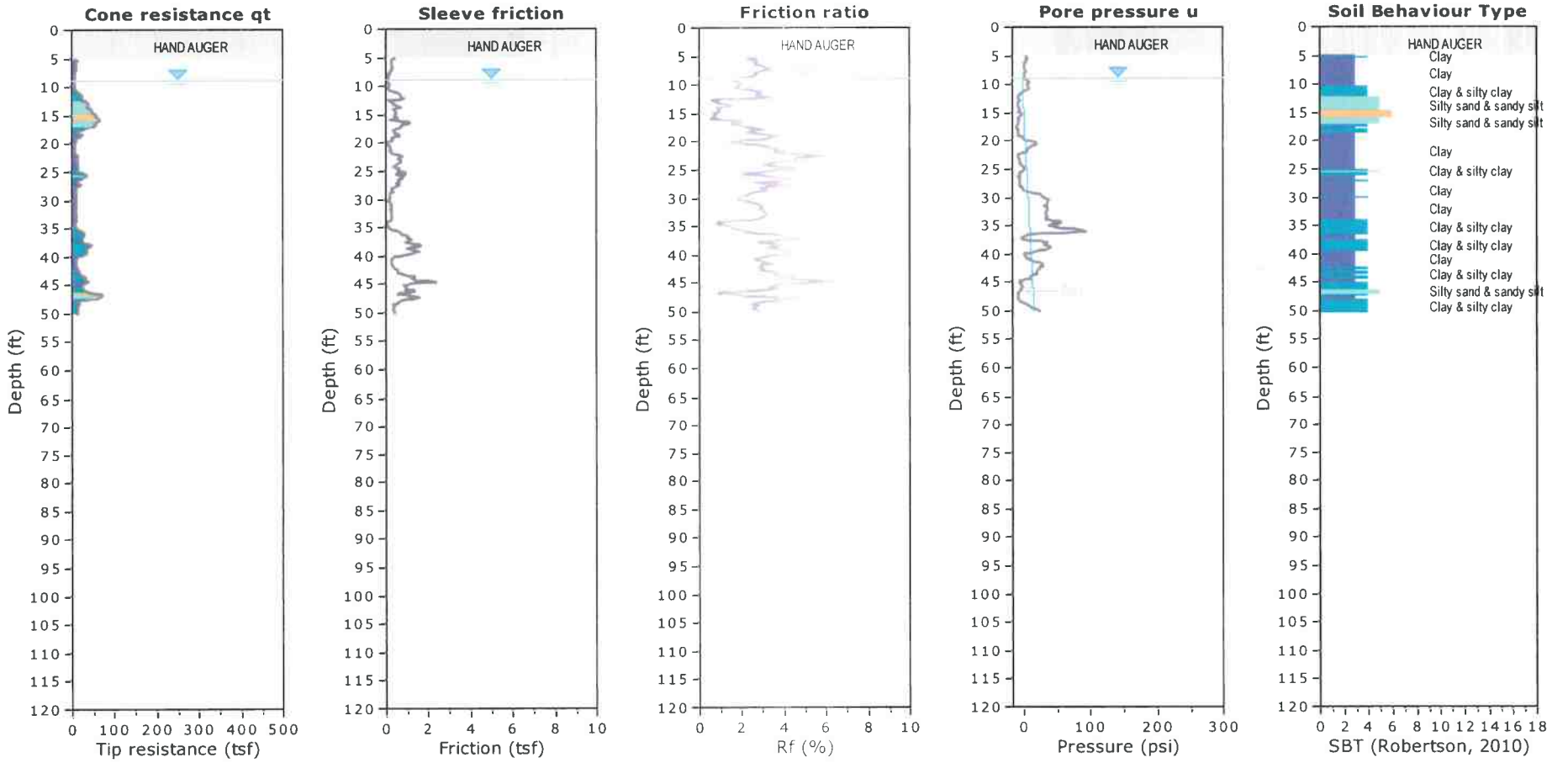
FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 50.03 ft, Date: 8/10/2022



CPT: CPT-4

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 50.03 ft, Date: 8/10/2022

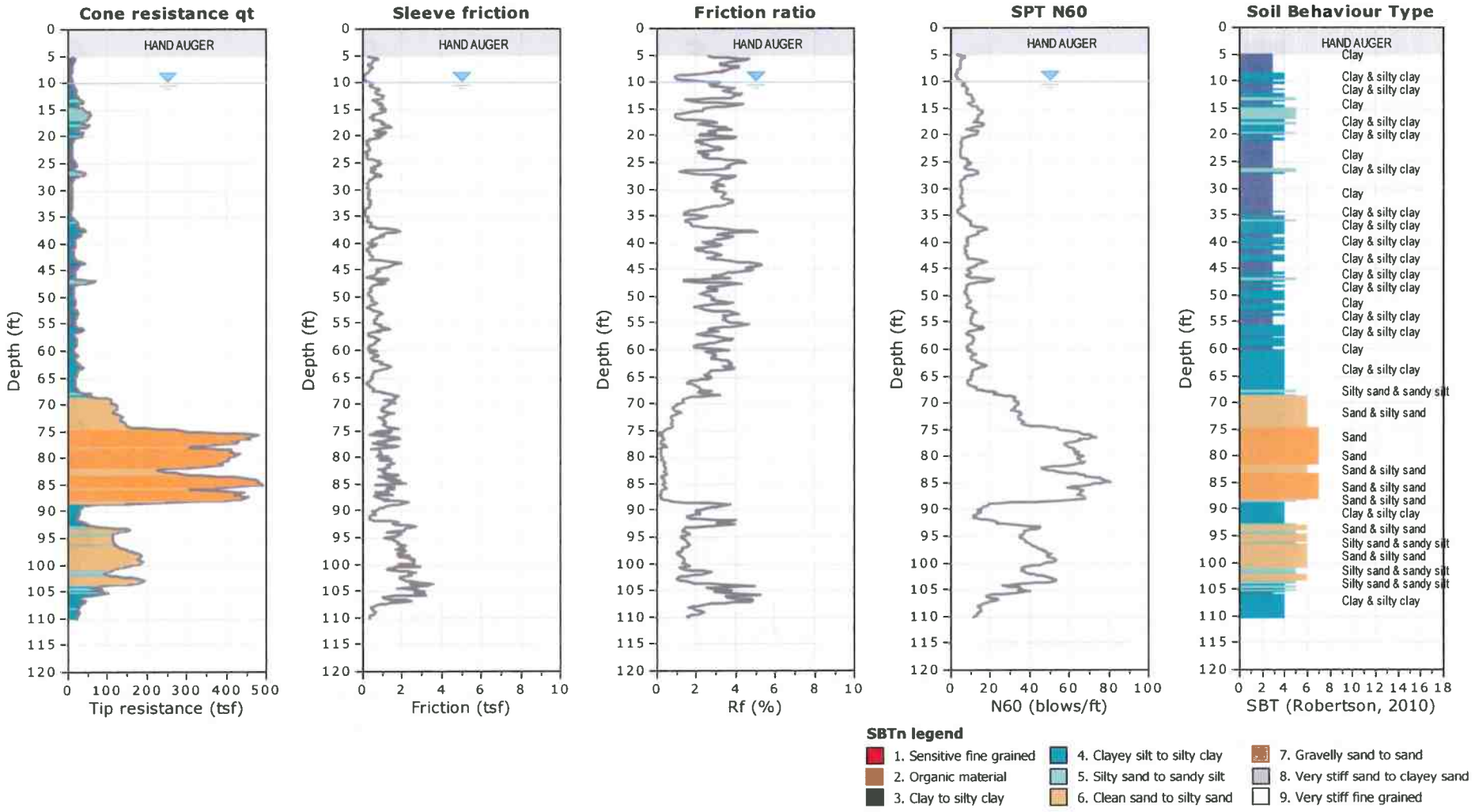


WATER TABLE FOR ESTIMATING PURPOSES ONLY

CPT: SCPT-5

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

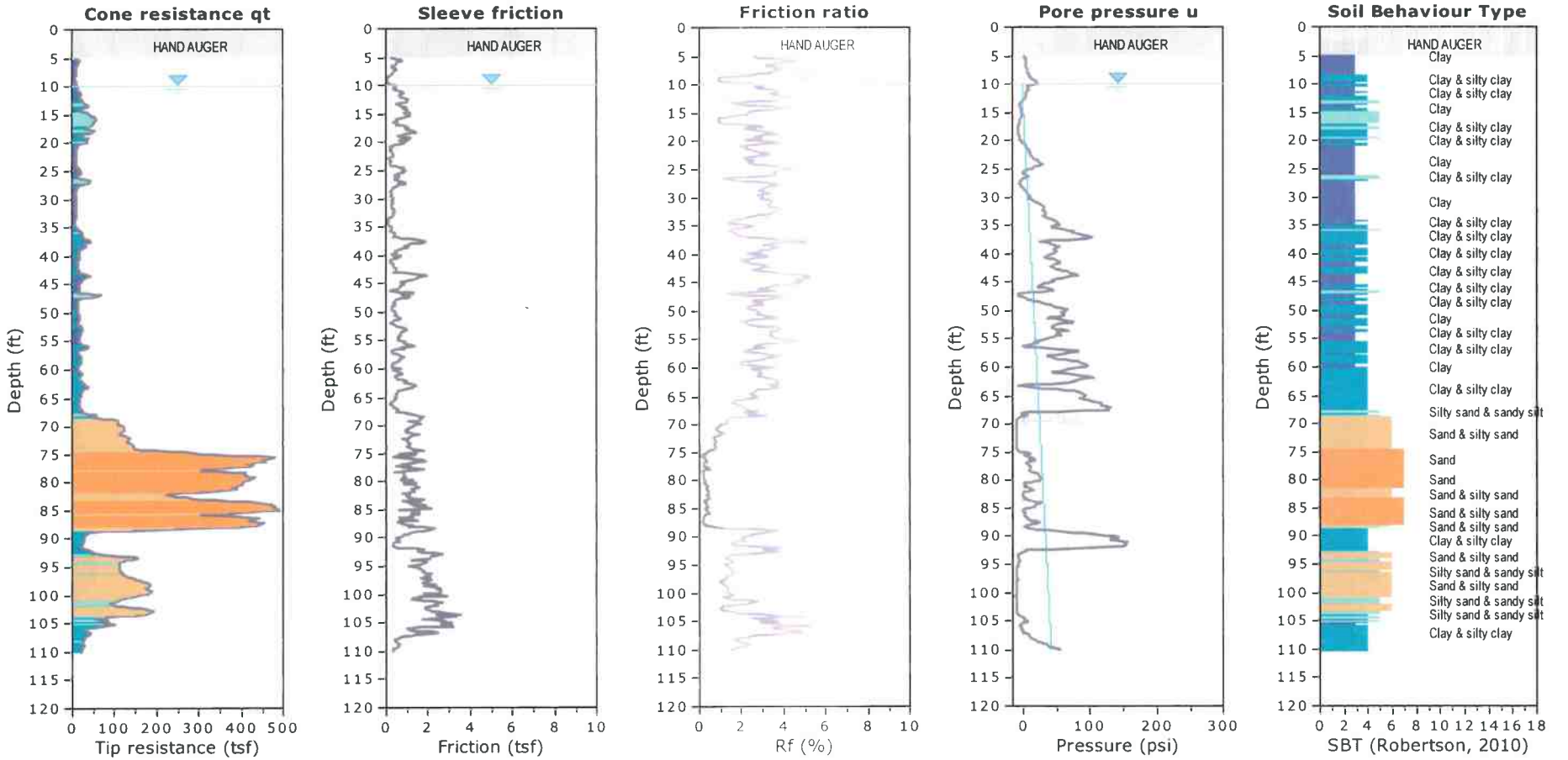
FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 110.07 ft, Date: 8/10/2022



CPT: SCPT-5

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 110.07 ft, Date: 8/10/2022



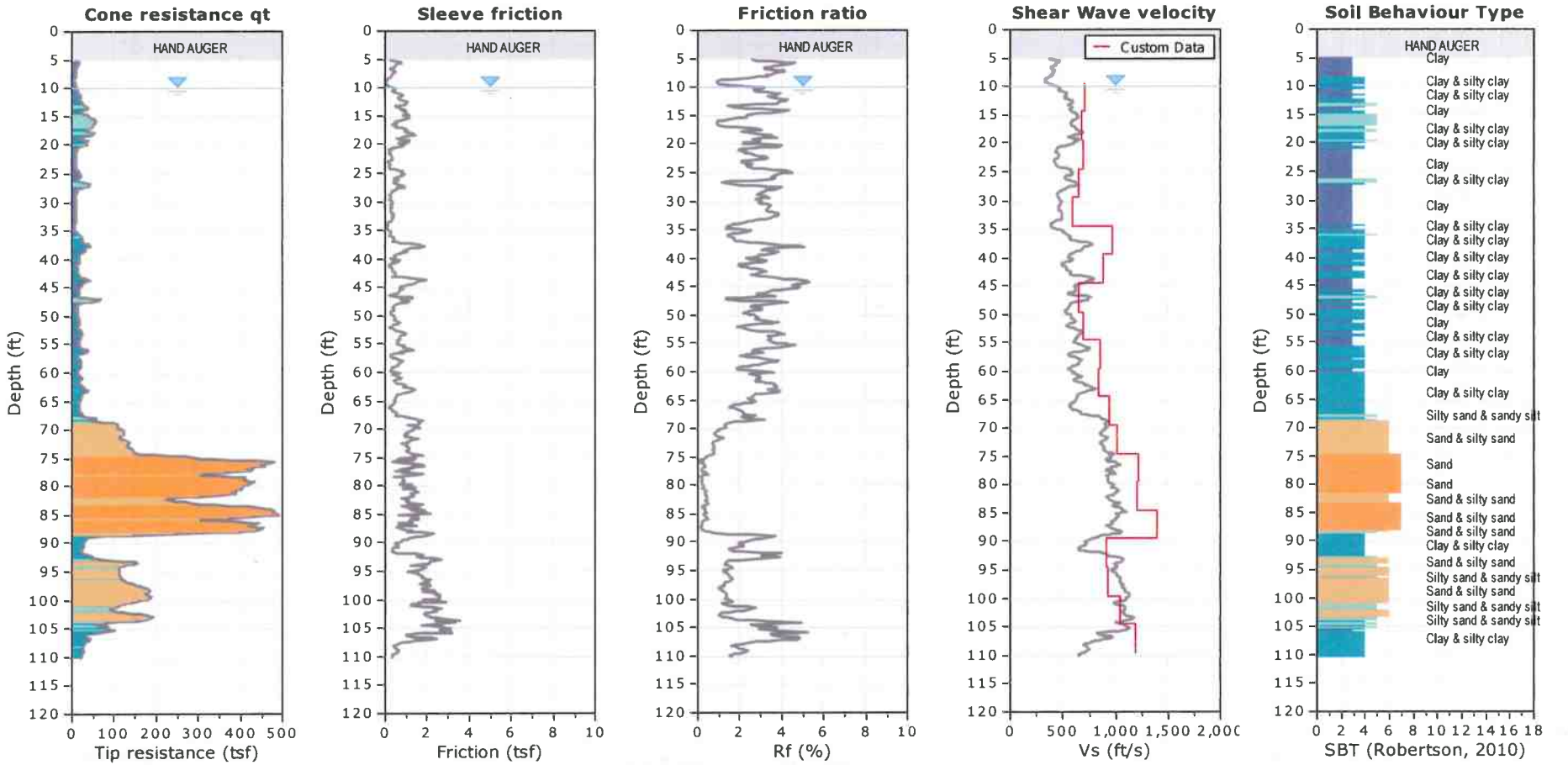
WATER TABLE FOR ESTIMATING PURPOSES ONLY

GREGG DRILLING, LLC
WWW.GREGGDRILLING.COM

CPT: SCPT-5

CLIENT: CORNERSTONE EARTH GROUP
SITE: TRENCH NATIONAL SAFETY, NEWARK, CA

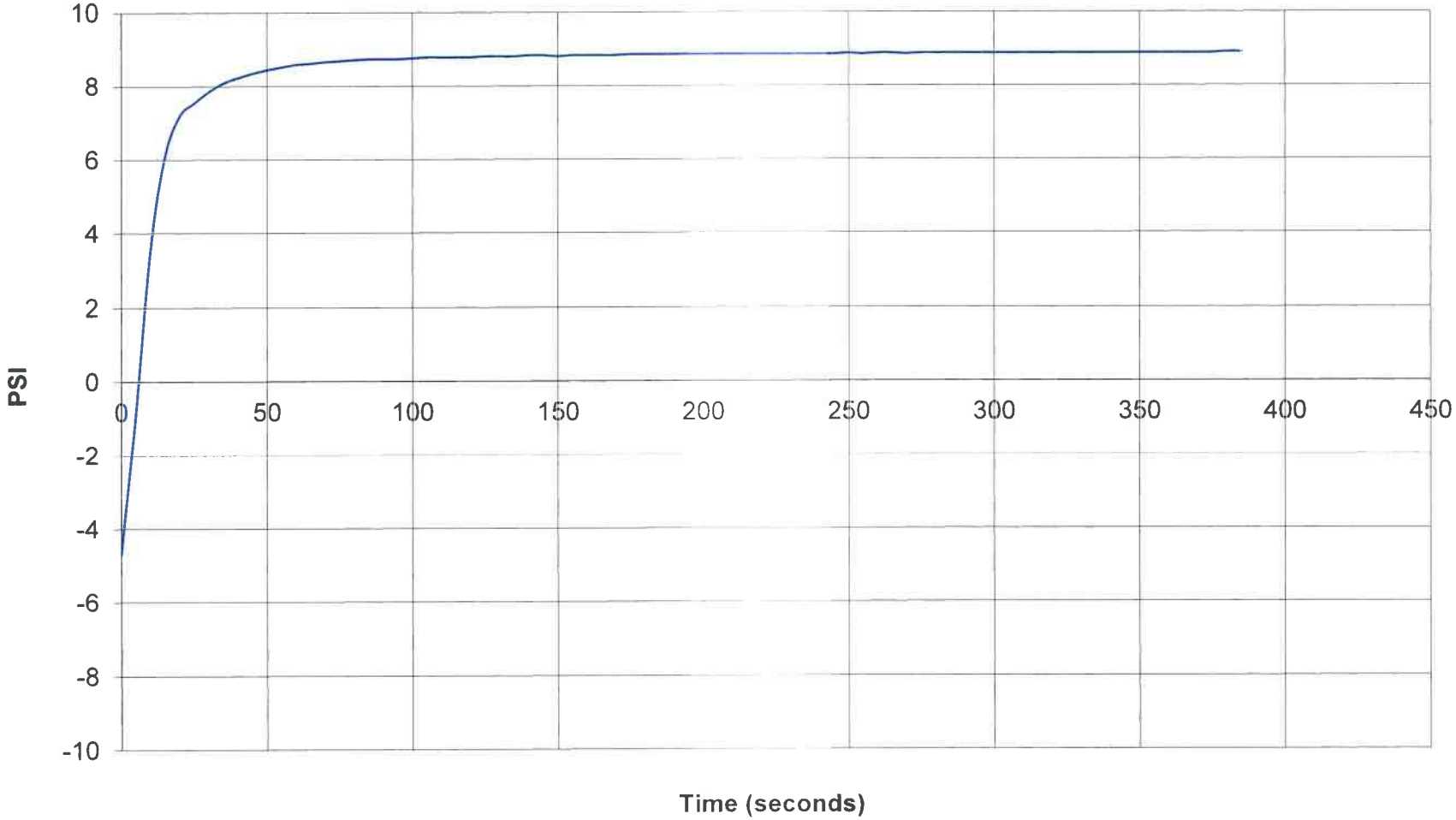
FIELD REP: EVERETT ALLEN
Cone ID: GDC-89
Total depth: 110.07 ft, Date: 8/10/2022



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

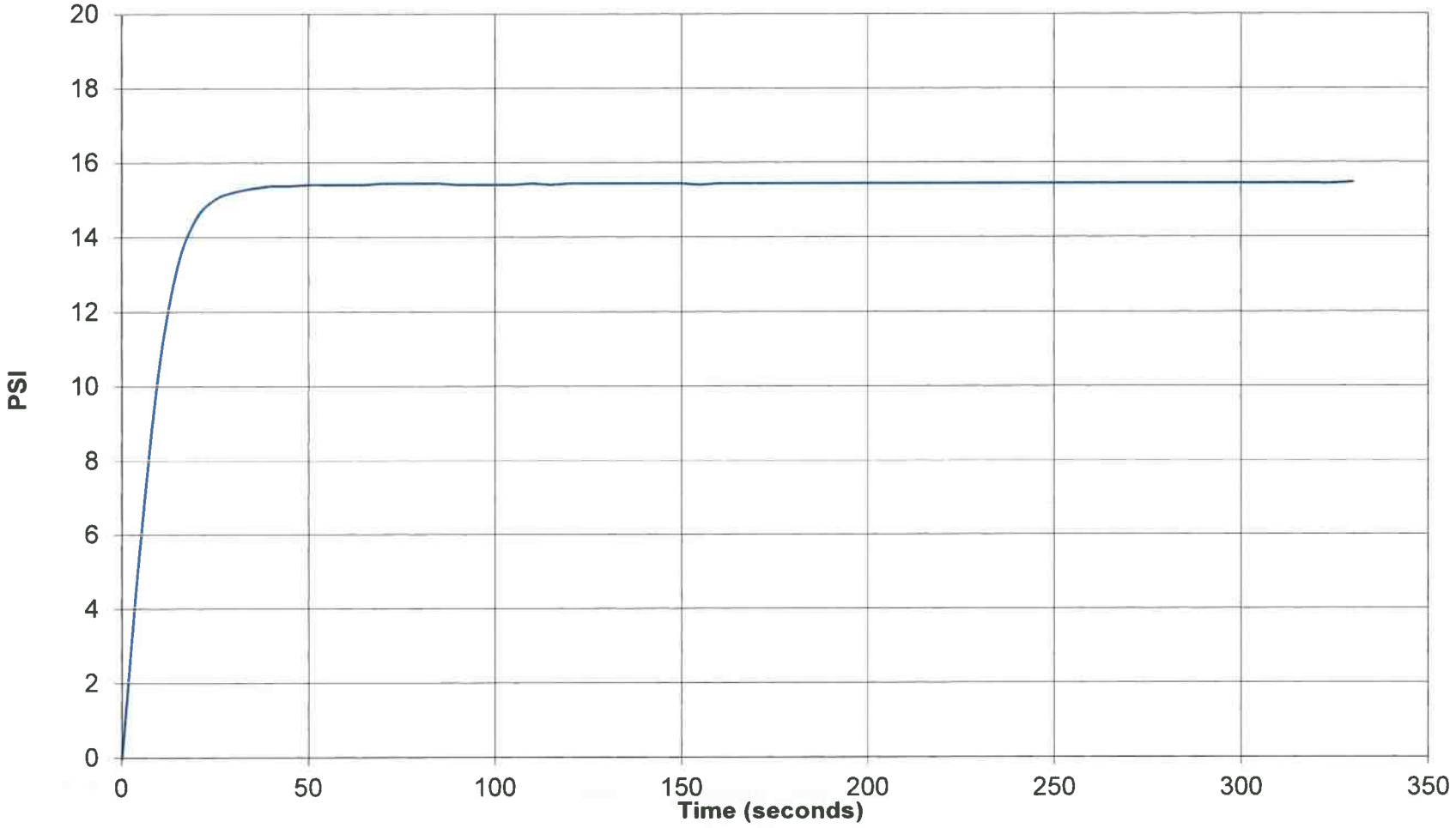
Sounding: CPT-1
Depth (ft): 27.39
Site: Trench National Safety
Engineer: Everett Allen



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

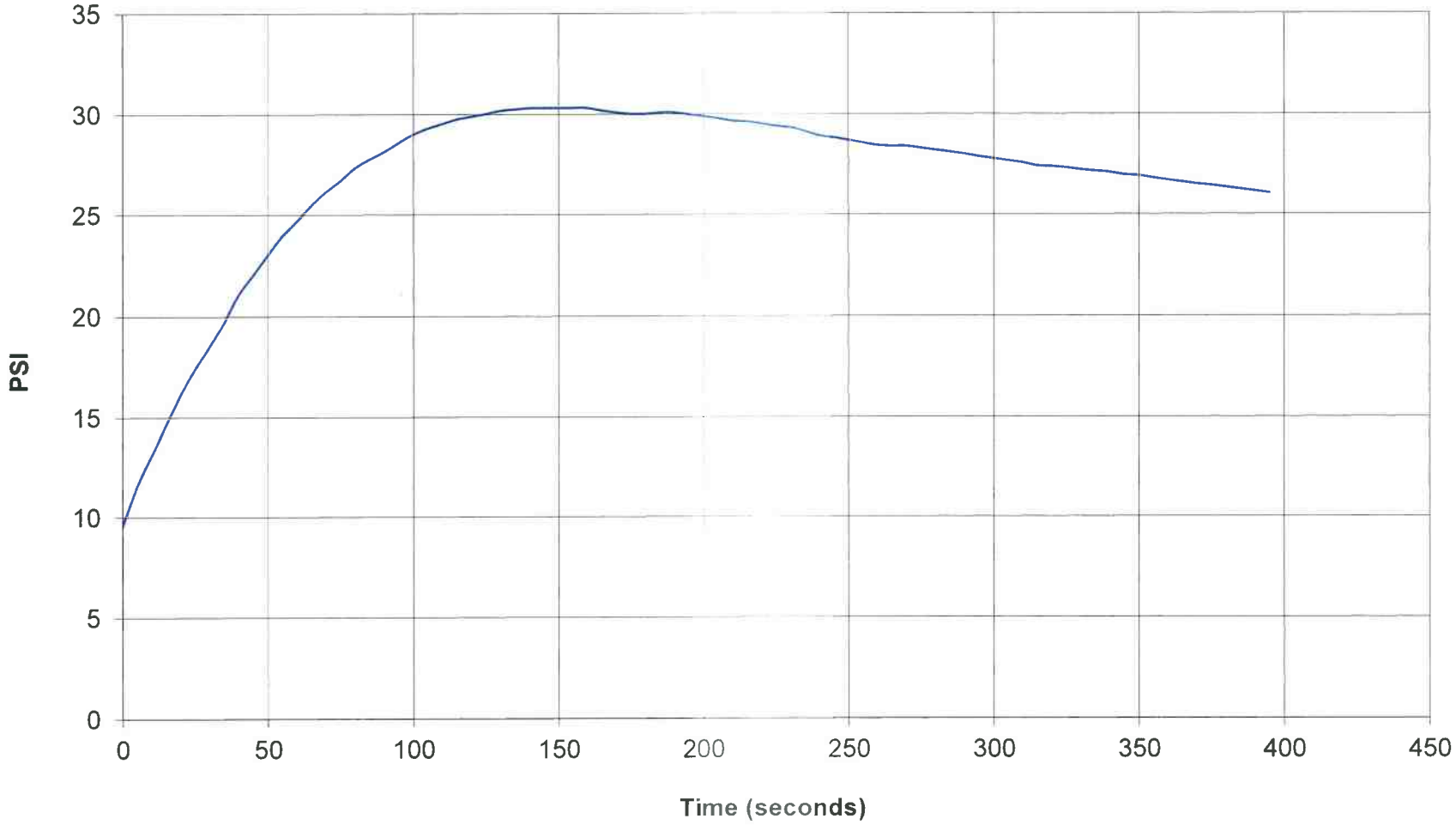
Sounding: CPT-2
Depth (ft): 44.29
Site: Trench National Safety
Engineer: Everett Allen



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

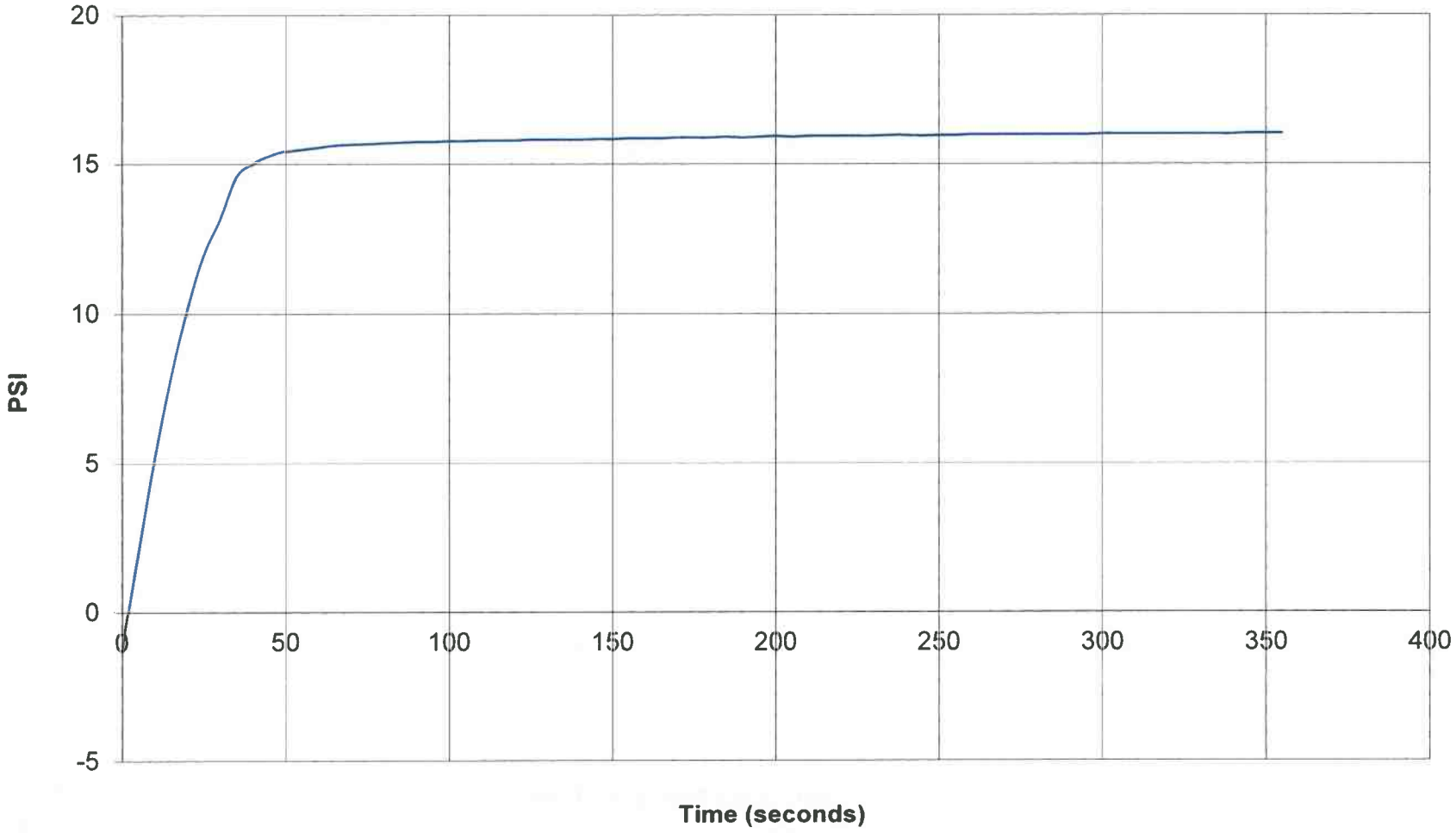
Sounding: CPT-3
Depth (ft): 49.38
Site: Trench National Safety
Engineer: Everett Allen



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

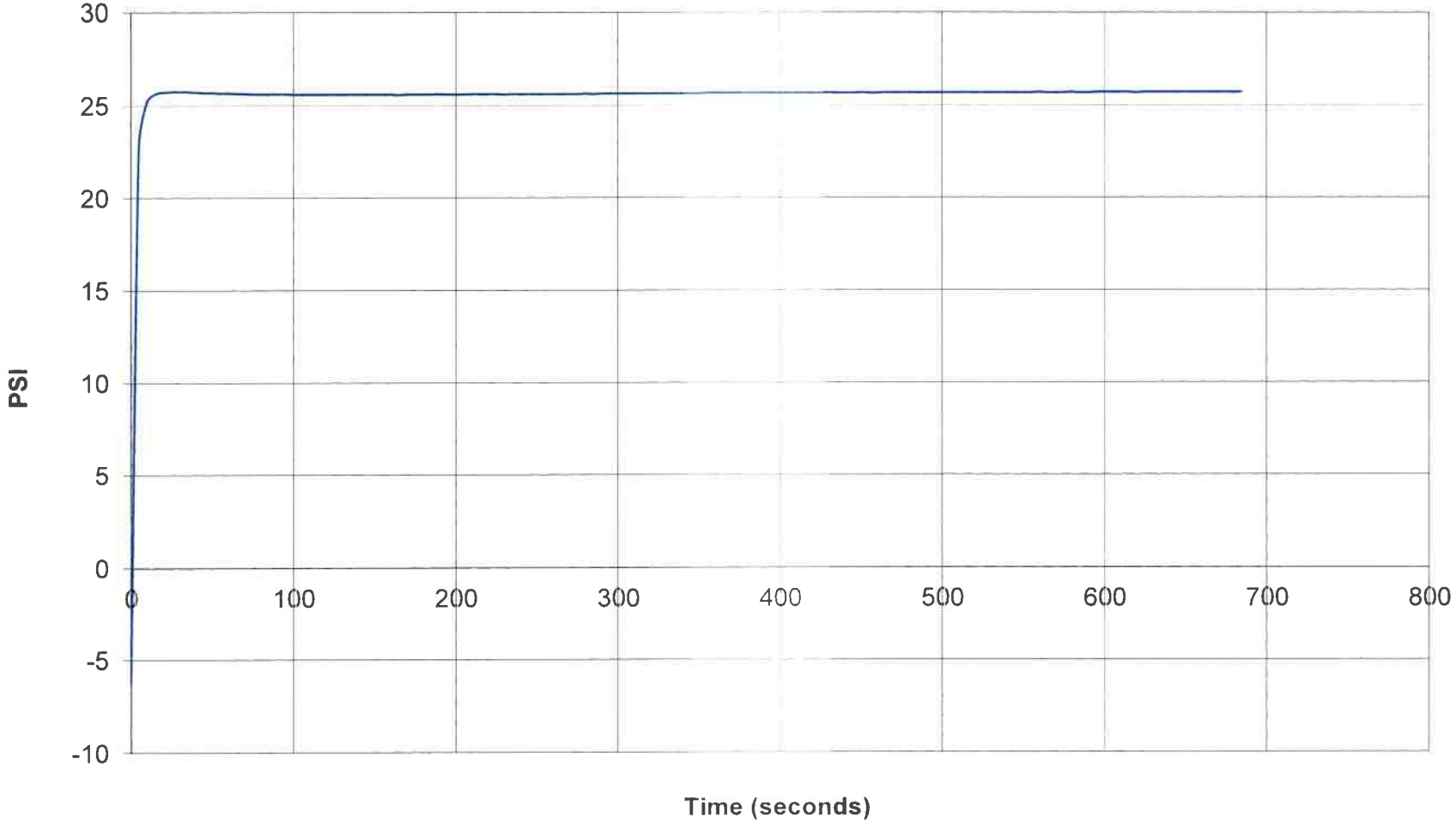
Sounding: CPT-4
Depth (ft): 46.42
Site: Trench National Safety
Engineer: Everett Allen

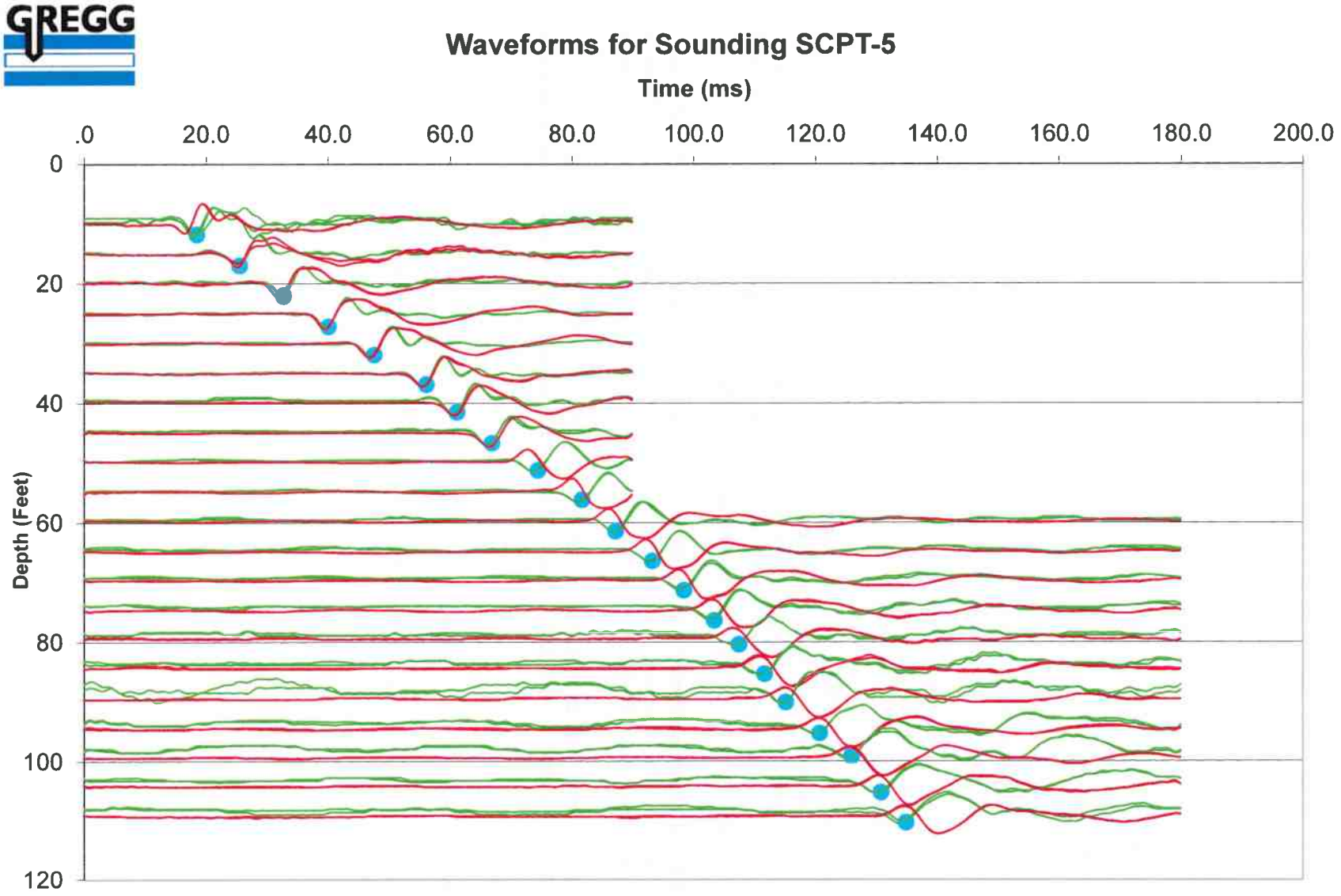


GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: SCPT-5
Depth (ft): 69.39
Site: Trench National Safety
Engineer: Everett Allen




GREGG
Waveforms for Sounding SCPT-5
Time (ms)
.0
20.0
40.0
60.0
80.0
100.0
120.0
140.0
160.0
180.0
200.0
Depth (Feet)
0
20
40
60
80
100
120

APPENDIX B: LABORATORY TEST PROGRAM

The laboratory testing program was performed to evaluate the physical and mechanical properties of the soils retrieved from the site to aid in verifying soil classification.

Moisture Content: The natural water content was determined (ASTM D2216) on 86 samples of the materials recovered from the borings. These water contents are recorded on the boring logs at the appropriate sample depths.

Dry Densities: In place dry density determinations (ASTM D2937) were performed on 71 samples to measure the unit weight of the subsurface soils. Results of these tests are shown on the boring logs at the appropriate sample depths.

Washed Sieve Analyses: The percent soil fraction passing the No. 200 sieve (ASTM D1140) was determined on eight samples of the subsurface soils to aid in the classification of these soils. Results of these tests are shown on the boring logs at the appropriate sample depths.

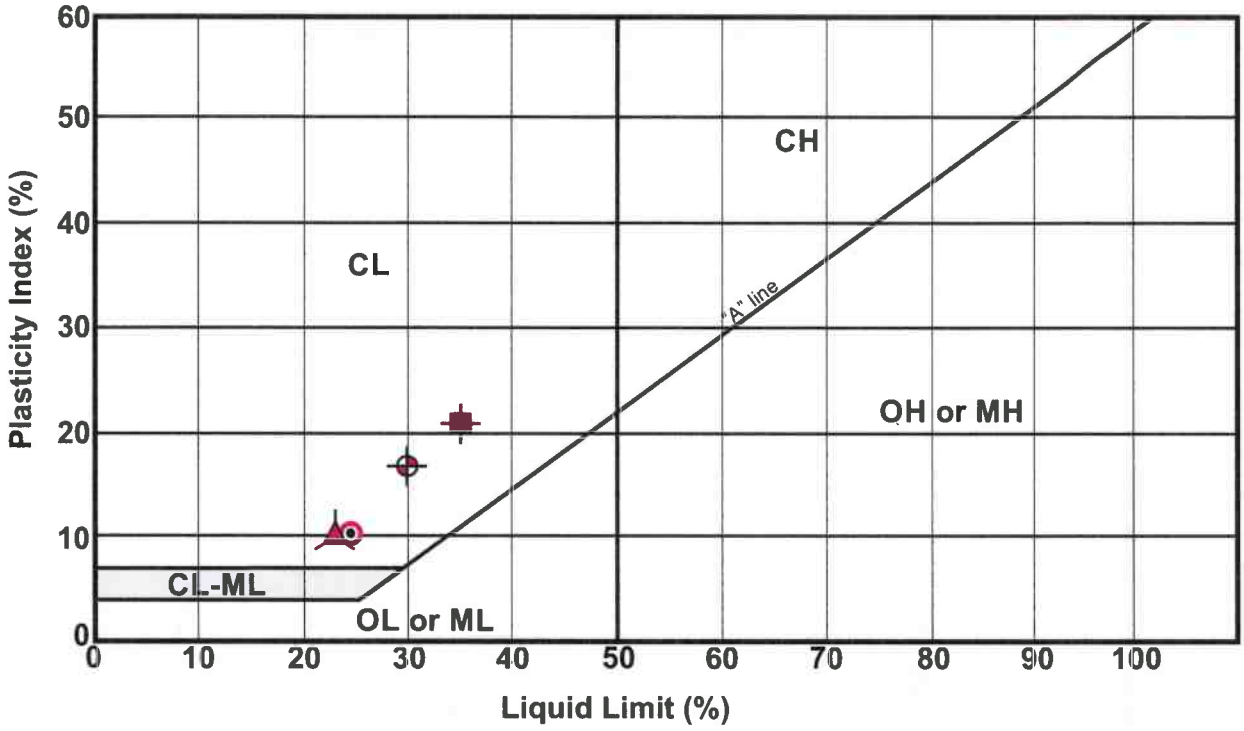
Plasticity Index: Six Plasticity Index determinations (ASTM D4318) were performed on samples of the subsurface soils to measure the range of water contents over which this material exhibits plasticity. The Plasticity Index was used to classify the soil in accordance with the Unified Soil Classification System and to evaluate the soil expansion potential. Results of these tests are shown on the boring logs at the appropriate sample depths.

Undrained-Unconsolidated Triaxial Shear Strength: The undrained shear strength was determined on three relatively undisturbed sample(s) by unconsolidated-undrained triaxial shear strength testing (ASTM D2850). The results of this test are included as part of this appendix.

Consolidation: Two consolidation tests (ASTM D2435) were performed on relatively undisturbed samples of the subsurface clayey soils to assist in evaluating the compressibility property of this soil. Results of the consolidation tests are presented graphically in this appendix.

Corrosion: Five soluble sulfate determinations (ASTM D4327), resistivity tests (ASTM G57), chloride determinations (ASTM D4327), and pH determinations (ASTM G51) were performed on five representative samples of the subsurface soils. Results of these tests are attached to this appendix.

Plasticity Index (ASTM D4318) Testing Summary



Symbol	Boring No.	Depth (ft)	Natural Water Content (%)	Liquid Limit (%)	Plastic Limit (%)	Plasticity Index	Passing No. 200 (%)	Group Name (USCS - ASTM D2487)
⊕	EB-1	2.0	17	30	14	16	—	Sandy Lean Clay (CL) [Fill]
◎	EB-2	10.5	18	24	14	10	—	Lean Clay with Sand (CL)
■	EB-4	2.0	20	36	15	21	—	Lean Clay (CL)
◎	EB-6	5.5	19	24	14	10	—	Lean Clay with Sand (CL)
	EB-6	11.0	20	determined non-plastic			47	Silty Sand (SM) (ML fines)
▲	EB-8	9.5	20	23	13	10	—	Sandy Lean Clay (CL)

CORNERSTONE EARTH GROUP

Plasticity Index Testing Summary

6750 Central Avenue
Newark, CA

Project Number: 555-26-1

Figure Number: Figure B1

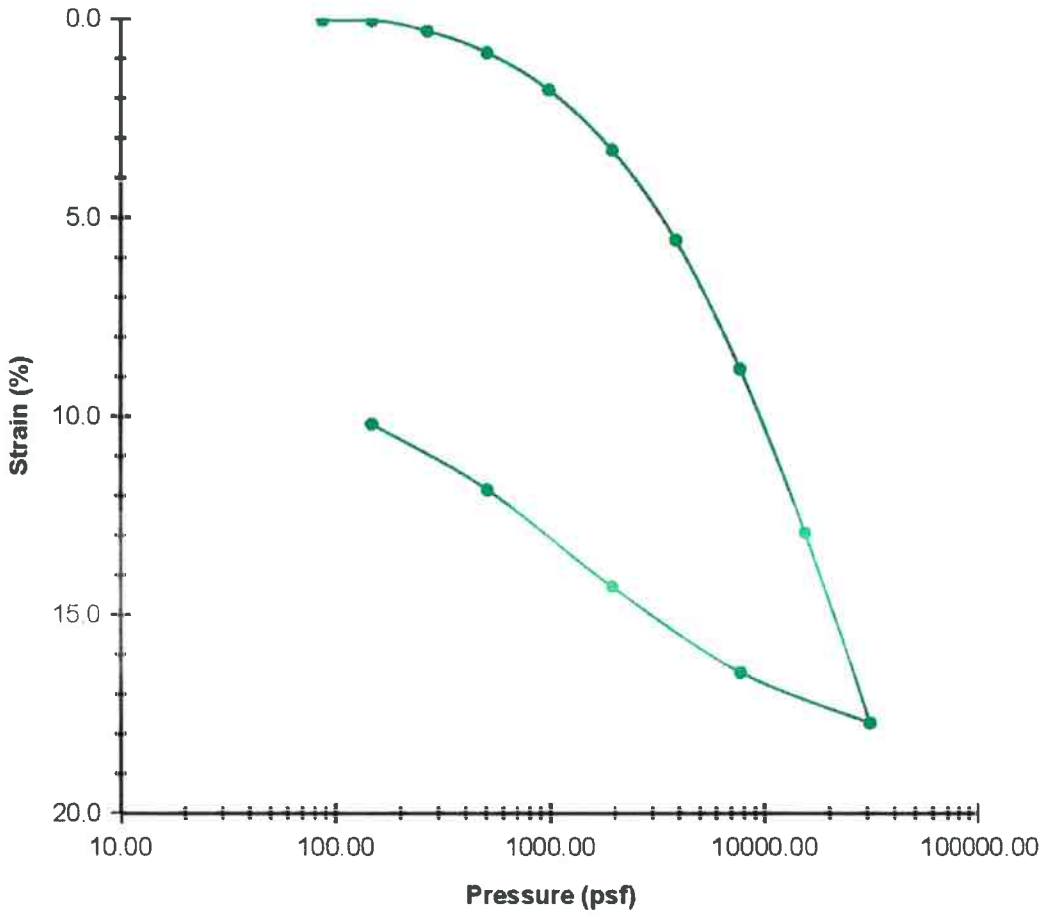
Date: September 2022

Drawn By: FLL

Consolidation Test ASTM D2435

Boring: EB-3 Sample: 13 Depth: 24.5'

Description: Lean Clay (CL)



	BEFORE	AFTER
Moisture (%)	39.6	32.0
Dry Density (pcf)	81.6	90.7
Saturation (%)	99.8	100.0
Void Ratio	1.08	0.87

(A) Stress Strain Curve

CORNERSTONE EARTH GROUP

Strain-Log Curve - EB-3 @ 24.5

6750 Central Avenue
Newark, CA

Project Number: 555-26-1

Figure Number: Figure B2

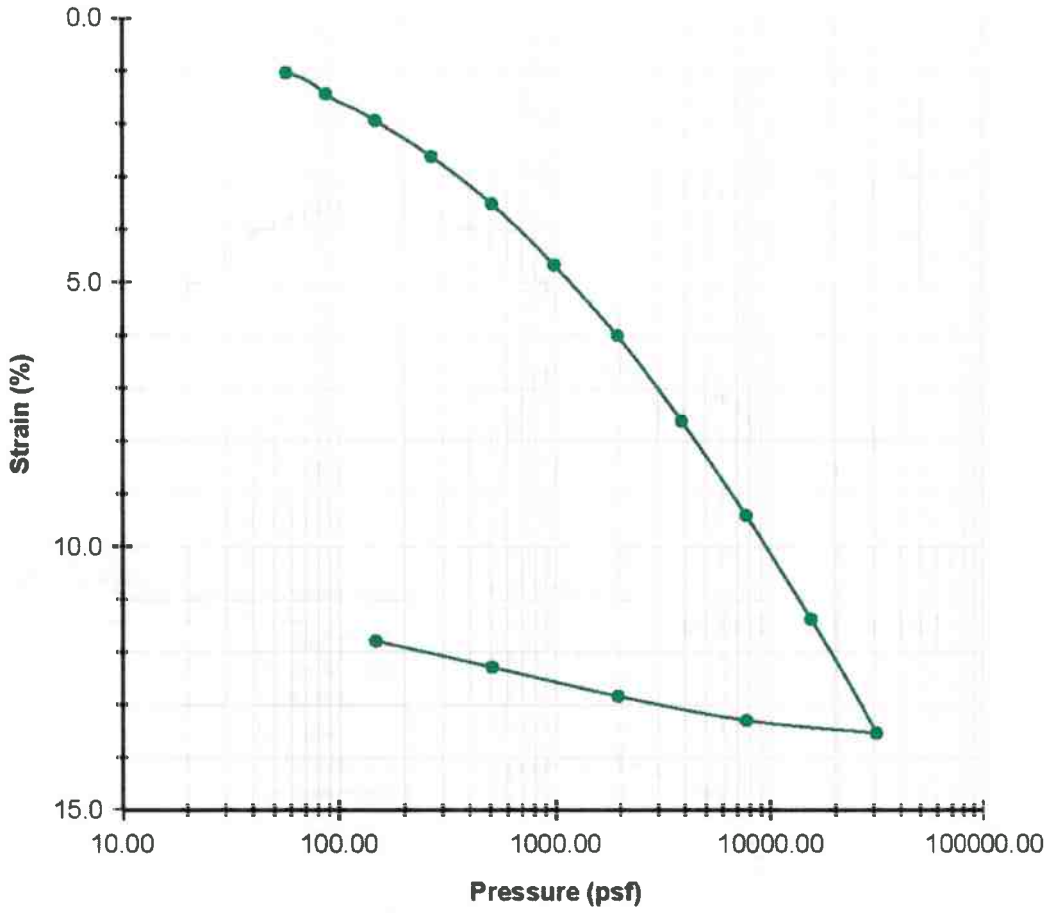
Date: September 2022

Drawn By: ELL

Consolidation Test ASTM D2435

Boring: EB-7 Sample: 4 Depth: 7.0

Description: Lean Clay (CL)



	BEFORE	AFTER
Moisture (%)	18.7	13.5
Dry Density (pcf)	112.3	124.2
Saturation (%)	99.5	100.0
Void Ratio	0.51	0.37

(A) Stress Strain Curve

CORNERSTONE EARTH GROUP

Strain-Log Curve - EB-7 @ 7.0

6750 Central Avenue
Newark, CA

Project Number 555-26-1

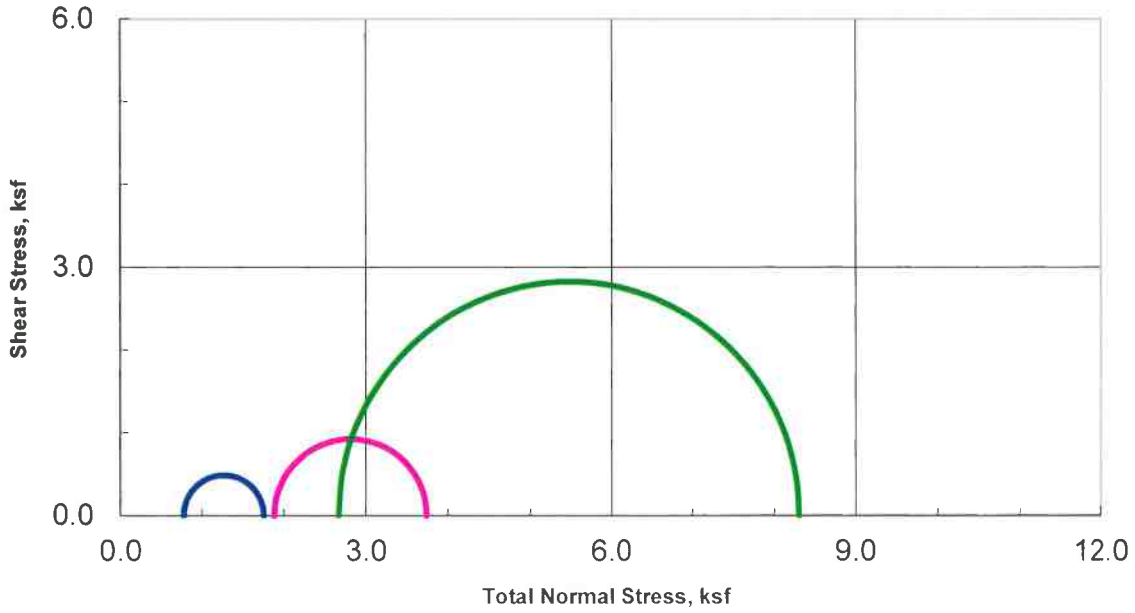
Figure Number Figure B3

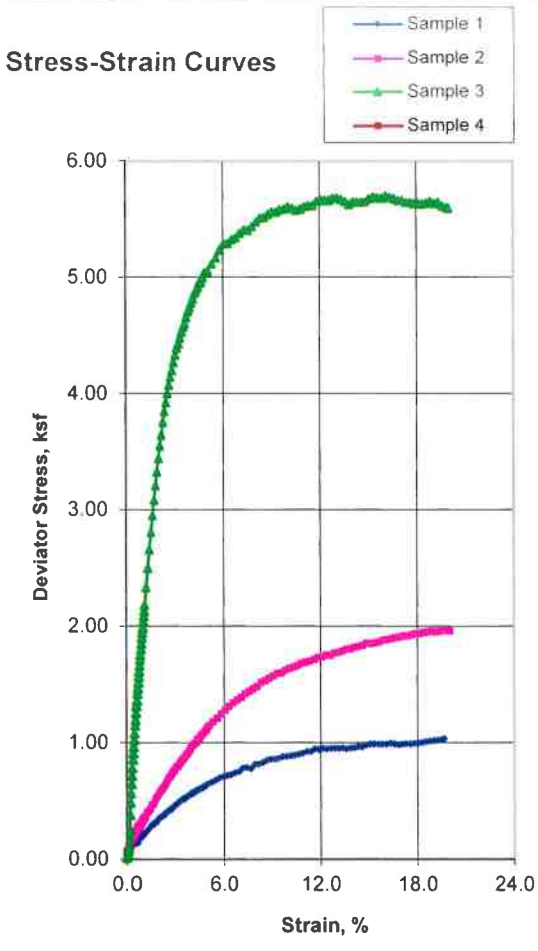
Date September 2022

Drawn By FLL

Cooper Testing Labs, Inc.
937 Commercial Street
Palo Alto, CA 94303

Unconsolidated-Undrained Triaxial Test
ASTM D2850





Sample Data				
	1	2	3	4
Moisture %	21.1	21.9	19.1	
Dry Den,pcf	107.9	106.0	106.3	
Void Ratio	0.591	0.620	0.615	
Saturation %	98.3	97.2	85.6	
Height in	5.93	5.93	5.97	
Diameter in	2.87	2.87	2.88	
Cell psi	5.4	13.1	18.5	
Strain %	15.00	15.00	15.00	
Deviator, ksf	0.978	1.858	5.650	
Rate %/min	0.98	1.00	1.00	
in/min	0.058	0.059	0.059	
Job No.:	640-1513			
Client:	Cornerstone Earth Group			
Project:	555-26-1			
Boring:	EB-1	EB-4	EB-7	
Sample:	6	13	22	
Depth ft:	10.0	40.0	60.0	

Visual Soil Description	
Sample #	
1	Yellowish Brown Clayey SAND
2	Yellowish Brown CLAY w/ Sand
3	Olive Brown Sandy CLAY
4	

Remarks:

Note: Strengths are picked at the peak deviator stress or 15% strain which ever occurs first per ASTM D2850.

Corrosivity Tests Summary

CORNERSTONE EARTH GROUP

Job Number	555-26-1	Date Tested	9/21/2022
Job Name	6750 Central Avenue	Tested By	BBA
Location	Newark, CA		

Sample I.D.			Soil Visual Description	Moisture Content %	pH	Temp. at Testing C°	Resistivity (Ohm-cm) Corrected to 15.5 C°		Chloride Dry Wt.	Sulfate Dry Wt.
Boring	Sample No.	Depth, ft.					As Received	Saturated	mg/kg	mg/kg
				ASTM D2216	ASTM G51		G57	ASTM G57	ASTM D4327	ASTM D4327
EB-1	2A	3.5	Brown Lean Clay (CL)	18.5	7.2	23.9	1,440	1,440	15	102
EB-2	3A	5.5	Brown Lean Clay (CL)	22.5	7.9	24.2	606	606	121	164
EB-4	3A	5.5	Brown Lean Clay (CL)	20.5	7.5	24.5	1,446	1,446	22	60
EB-5	2A	3.5	Brown and Gray mottled Lean Clay (CL)	18.0	7.6	24.7	771	771	60	177
EB-7	3A	5.0	Brown and Gray mottled Lean Clay (CL)	20.6	7.6	24.2	965	965	63	127

CORNERSTONE
EARTH GROUP

APPENDIX C: PREVIOUS EXPLORATION BY OTHERS

KLEINFELDER, NOVEMBER 4, 2019

KLEINFELDER
Bright People. Right Solutions.

APPENDIX C

Results of Cone Penetration Tests

GREGG DRILLING, LLC.
GEOTECHNICAL AND ENVIRONMENTAL INVESTIGATION SERVICES

10/15/19

Kleinfelder
Attn: Andre Ashour

Subject: CPT Site Investigation
Prologis – 6756 Central Avenue
Newark, California
GREGG Project Number: D2194074MA

Dear Mr. Ashour:

The following report presents the results of GREGG Drilling Cone Penetration Test investigation for the above referenced site. The following testing services were performed:

1	Cone Penetration Tests	(CPTU)	☒
2	Pore Pressure Dissipation Tests	(PPD)	☒
3	Seismic Cone Penetration Tests	(SCPTU)	☒
4	UVOST Laser Induced Fluorescence	(UVOST)	☐
5	Groundwater Sampling	(GWS)	☐
6	Soil Sampling	(SS)	☐
7	Vapor Sampling	(VS)	☐
8	Pressuremeter Testing	(PMT)	☐
9	Vane Shear Testing	(VST)	☐
10	Dilatometer Testing	(DMT)	☐

A list of reference papers providing additional background on the specific tests conducted is provided in the bibliography following the text of the report. If you would like a copy of any of these publications or should you have any questions or comments regarding the contents of this report, please do not hesitate to contact me at 714-863-0988.

Sincerely,
GREGG Drilling, LLC.

Frank Stolfi
HRSC Division Manager, Gregg Drilling, LLC.

Cone Penetration Test Sounding Summary

-Table 1-

CPT Sounding Identification	Date	Termination Depth (feet)	Depth of Groundwater Samples (feet)	Depth of Soil Samples (feet)	Depth of Pore Pressure Dissipation Tests (feet)
CPT-02	10/11/2019	50.2	-	-	25.4
CPT-04	10/11/2019	50.2	-	-	14.7
SCPT-03	10/11/2019	15.09	-	-	-
SCPT-03A	10/11/2019	100.23	-	-	73.4

Cone Penetration Test Coordinates

-Table 2-

CPT Sounding Identification	Date	Lat or Northing	Long or Easting	Elevation (Feet)
CPT-02	10/11/2019	UNKNOWN	UNKNOWN	UNKNOWN
CPT-04	10/11/2019	UNKNOWN	UNKNOWN	UNKNOWN
SCPT-03	10/11/2019	UNKNOWN	UNKNOWN	UNKNOWN
SCPT-03A	10/11/2019	UNKNOWN	UNKNOWN	UNKNOWN

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Mayne, P.W., "NHI (2002) Manual on Subsurface Investigations: Geotechnical Site Characterization", available through www.ce.gatech.edu/~geosys/Faculty/Mayne/papers/index.html, Section 5.3, pp. 107-112.

Robertson, P.K., R.G. Campanella, D. Gillespie and A. Rice, "Seismic CPT to Measure In-Situ Shear Wave Velocity", Journal of Geotechnical Engineering ASCE, Vol. 112, No. 8, 1986 pp. 791-803.

Robertson, P.K., Sully, J., Woeller, D.J., Lunne, T., Powell, J.J.M., and Gillespie, D.J., "Guidelines for Estimating Consolidation Parameters in Soils from Piezocone Tests", Canadian Geotechnical Journal, Vol. 29, No. 4, August 1992, pp. 539-550.

Robertson, P.K., T. Lunne and J.J.M. Powell, "Geo-Environmental Application of Penetration Testing", Geotechnical Site Characterization, Robertson & Mayne (editors), 1998 Balkema, Rotterdam, ISBN 90 5410 939 4 pp 35-47.

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DeGroot, D.J. and A.J. Lutenegger, "Reliability of Soil Gas Sampling and Characterization Techniques", International Site Characterization Conference - Atlanta, 1998.

Woeller, D.J., P.K. Robertson, T.J. Boyd and Dave Thomas, "Detection of Polyaromatic Hydrocarbon Contaminants Using the UVIF-CPT", 53rd Canadian Geotechnical Conference Montreal, QC October pp. 733-739, 2000.

Zemo, D.A., T.A. Delfino, J.D. Gallinatti, V.A. Baker and L.R. Hilpert, "Field Comparison of Analytical Results from Discrete-Depth Groundwater Samplers" BAT EnviroProbe and QED HydroPunch, Sixth national Outdoor Action Conference, Las Vegas, Nevada Proceedings, 1992, pp 299-312.

Copies of ASTM Standards are available through www.astm.org

Cone Penetration Testing Procedure (CPT)

Gregg Drilling carries out all Cone Penetration Tests (CPT) using an integrated electronic cone system, *Figure CPT*.

The cone takes measurements of tip resistance (q_c), sleeve resistance (f_s), and penetration pore water pressure (u_2). Measurements are taken at either 2.5 or 5 cm intervals during penetration to provide a nearly continuous profile. CPT data reduction and basic interpretation is performed in real time facilitating on-site decision making. The CPT parameters are stored electronically for further analysis and reference. All CPT soundings are performed in accordance with revised ASTM standards (D 5778-12).

The 5mm thick porous plastic filter element is located directly behind the cone tip in the u_2 location. A new saturated filter element is used on each sounding to measure both penetration pore pressures as well as measurements during a dissipation test (*PPDT*). Prior to each test, the filter element is fully saturated with oil under vacuum pressure to improve accuracy.

When the sounding is completed, the test hole is backfilled according to client specifications. If grouting is used, the procedure generally consists of pushing a hollow tremie pipe with a "knock out" plug to the termination depth of the CPT hole. Grout is then pumped under pressure as the tremie pipe is pulled from the hole. Disruption or further contamination to the site is therefore minimized.

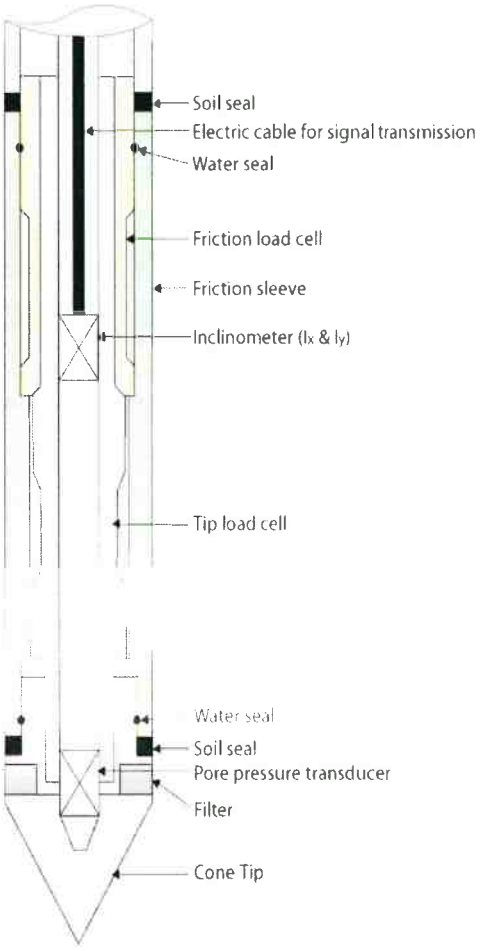

Figure CPT

Gregg 15cm^2 Standard Cone Specifications

Dimensions	
Cone base area	15 cm^2
Sleeve surface area	225 cm^2
Cone net area ratio	0.85
Specifications	
Cone load cell	
Full scale range	180 kN (20 tons)
Overload capacity	150%
Full scale tip stress	120 MPa (1,200 tsf)
Repeatability	120 kPa (1.2 tsf)
Sleeve load cell	
Full scale range	31 kN (3.5 tons)
Overload capacity	150%
Full scale sleeve stress	1,400 kPa (15 tsf)
Repeatability	1.4 kPa (0.015 tsf)
Pore pressure transducer	
Full scale range	7,000 kPa (1,000 psi)
Overload capacity	150%
Repeatability	7 kPa (1 psi)

Note: The repeatability on site will depend somewhat on ground conditions, abrasion, maintenance and zero load stability.

Cone Penetration Test Data & Interpretation

The Cone Penetration Test (CPT) data collected are presented in graphical and electronic form in the report. The plots include interpreted Soil Behavior Type (SBT) based on the charts described by Robertson (2009 & 2010). Typical plots display SBT based on the non-normalized charts of Robertson (2010). For CPT soundings deeper than 30m, we recommend the use of the normalized charts of Robertson (2009) which can be displayed as SBTn, upon request. The report can also include spreadsheet output of computer calculations of basic interpretation in terms of SBT and SBTn and various geotechnical parameters using current published correlations based on the comprehensive review by Lunne, Robertson and Powell (1997), as well as recent updates by Robertson and Cabal (Guide to Cone Penetration Testing, 2015). The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg Drilling does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and does not assume any liability for use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software. Some interpretation methods require input of the groundwater level to calculate vertical effective stress. An estimate of the in-situ groundwater level has been made based on field observations and/or CPT results, but should be verified by the user.

A summary of locations and depths is available in Table 1. Note that all penetration depths referenced in the data are with respect to the existing ground surface. Note that it is not always possible to clearly identify a soil type based solely on q_t, f_s, and u_2. In these situations, experience, judgment, and an assessment of the pore pressure dissipation data should be used to infer the correct soil behavior type.

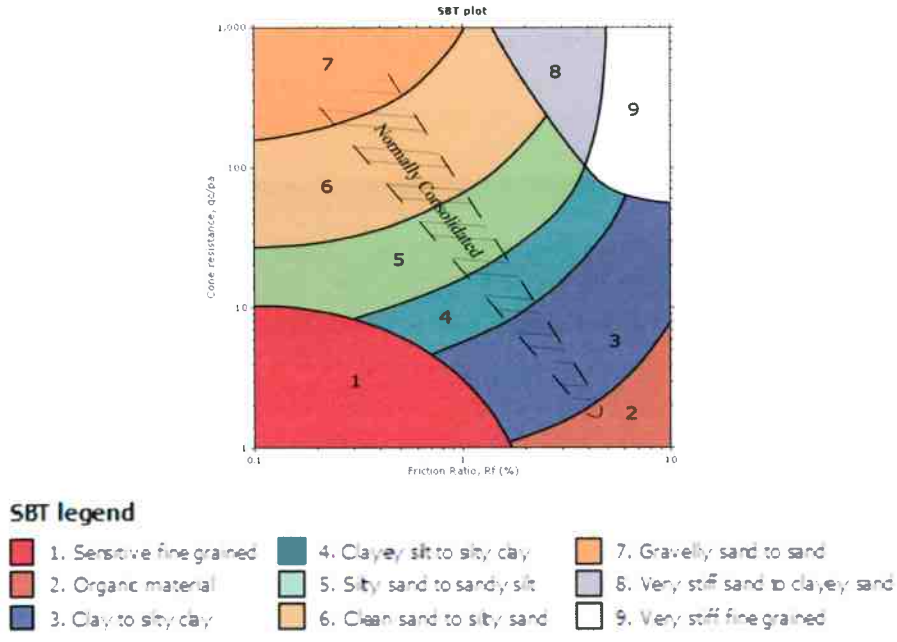

Figure SBT (After Robertson, 2010) – Note: Colors may vary slightly compared to plots

Cone Penetration Test (CPT) Interpretation

Gregg uses a commercial CPT interpretation and plotting software (CPeT-IT https://geologismiki.gr/products/cpet-it/). The software takes the CPT data and performs basic interpretation in terms of soil behavior type (SBT) and various geotechnical parameters using current published empirical correlations based on the comprehensive review by Lunne, Robertson and Powell (1997) and updated by Robertson and Cabal (2015). The interpretation is presented in tabular format. The interpretations are presented only as a guide for geotechnical use and should be carefully reviewed. Gregg does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the software and does not assume any liability for any use of the results in any design or review. The user should be fully aware of the techniques and limitations of any method used in the software.

The following provides a summary of the methods used for the interpretation. Many of the empirical correlations to estimate geotechnical parameters have constants that have a range of values depending on soil type, geologic origin and other factors. The software uses 'default' values that have been selected to provide, in general, conservatively low estimates of the various geotechnical parameter.

Presented below is a list of formulas used for the estimation of various soil properties. The formulas are presented in SI unit system and assume that all components are expressed in the same units.

:: Unit Weight, g (kN/m³) ::

$$g = g_w \left[0.27 \log(R_f) - 0.36 \log\left(\frac{q_t}{p_a}\right) - 1.236 \right]$$

where g_w = water unit weight

:: Permeability, k (m/s) ::

$I_c \leq 3.27$ and $I_c > 1.00$ then $k = 10^{0.952 - 3.04 I_c}$

$I_c \geq 4.00$ and $I_c > 3.27$ then $k = 10^{-4.52 - 1.37 I_c}$

:: N_{SPT} (blows per 30 cm) ::

$$N_{60} = \left(\frac{q_c}{p_a}\right) \frac{1}{10^{1.1268 - 0.2817 I_c}}$$

$$N_{1(60)} = Q_{tn} \frac{1}{10^{1.1268 - 0.2817 I_c}}$$

:: Young's Modulus, Es (MPa) ::

$(q_t - \sigma_{vo})\ 0.015\ 10^{0.55 I_c + 1.68}$

(applicable only to $I_c < I_{c(cut\text{-}off)}$)

:: Relative Density, Dr (%) ::

$100 \sqrt{\frac{Q_{tn}}{k_{DR}}}$ (applicable only to SBT: 5, 6, 7 and 8 or $I_c > I_{c(cut\text{-}off)}$)

:: State Parameter, ψ ::

$\psi = 0.56 - 0.33 \log(Q_{tn,cs})$

:: Drained Friction Angle, φ (°) ::

$\phi = \phi_{cv} + 15.94 \log(Q_{tn,cs}) - 26.88$

(applicable only to SBT: 5, 6, 7 and 8 or $I_c < I_{c(cut\text{-}off)}$)

:: 1-D constrained modulus, M (MPa) ::

If $I_c > 2.20$
$\alpha = 14$ for $Q_{tn} > 14$
$\alpha = Q_{tn}$ for $Q_{tn} \leq 14$
$M_{(1-D)} = \alpha \cdot (q_t - \sigma_v)$

If $I_c \geq 2.20$

$M_{(1-D)} = 0.03\ (q_t - \sigma_v)\ 10^{0.55 I_c + 1.68}$

:: Small strain shear Modulus, Go (MPa) ::

$G_0 = (q_t - \sigma_v)\ 0.0188\ 10^{0.55 I_c + 1.68}$

:: Shear Wave Velocity, Vs (m/s) ::

$$V_s = \left[\frac{G_0}{\rho}\right]^{0.50}$$

:: Undrained peak shear strength, Su (kPa) ::

$N_{kt} = 10.50 + 7 \log(F_r)$ or user defined

$$S_u = \frac{(q_t - \sigma_v)}{N_{kt}}$$

(applicable only to SBT: 1, 2, 3, 4 and 9 or $I_c > I_{c(cut\text{-}off)}$)

:: Remolded undrained shear strength, Su(rem) (kPa) ::

$S_{u(rem)} = f_s$ (applicable only to SBT: 1, 2, 3, 4 and 9 or $I_c > I_{c(cut\text{-}off)}$)

:: Overconsolidation Ratio, OCR ::

$k_{OCR} = \frac{Q_{tn}}{[0.25\ (10.50 + 7 \log(F_r))]}$ or user defined

$OCR = k_{OCR} Q_{tn}$

(applicable only to SBT: 1, 2, 3, 4 and 9 or $I_c > I_{c(cut\text{-}off)}$)

:: In situ Stress Ratio, Ko ::

$K_o = (1 - \sin\phi')\ OCR^{\sin\phi'}$

(applicable only to SBT: 1, 2, 3, 4 and 9 or $I_c > I_{c(cut\text{-}off)}$)

:: Soil Sensitivity, S_t ::

$$S_t = \frac{N_k}{F_r}$$

(applicable only to SBT: 1, 2, 3, 4 and 9 or $I_c > I_{c(cut\text{-}off)}$)

:: Peak Friction Angle, φ (°) ::

$\phi = 29.5^\circ\ B_q^{0.121}\ (0.256 + 0.336\ B_q + \log Q_t)$

(applicable for $0.10 < B_q < 1.00$)

References

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CPT BORINGS

GREGG DRILLING, INC.
www.greggdrilling.com

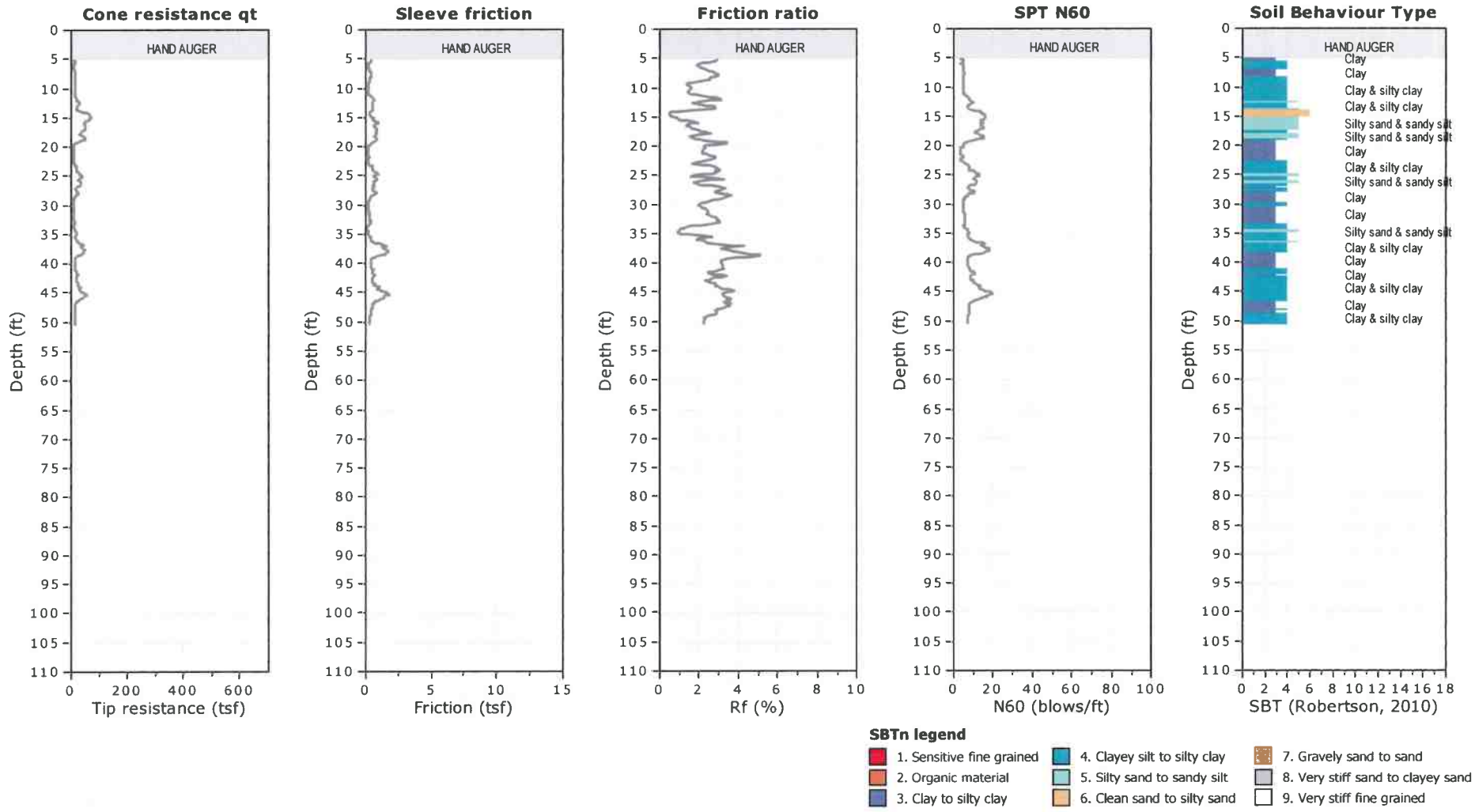
CPT: CPT-02

CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

FIELD REP: HADI FATTAL

Total depth: 50.20 ft, Date: 10/11/2019



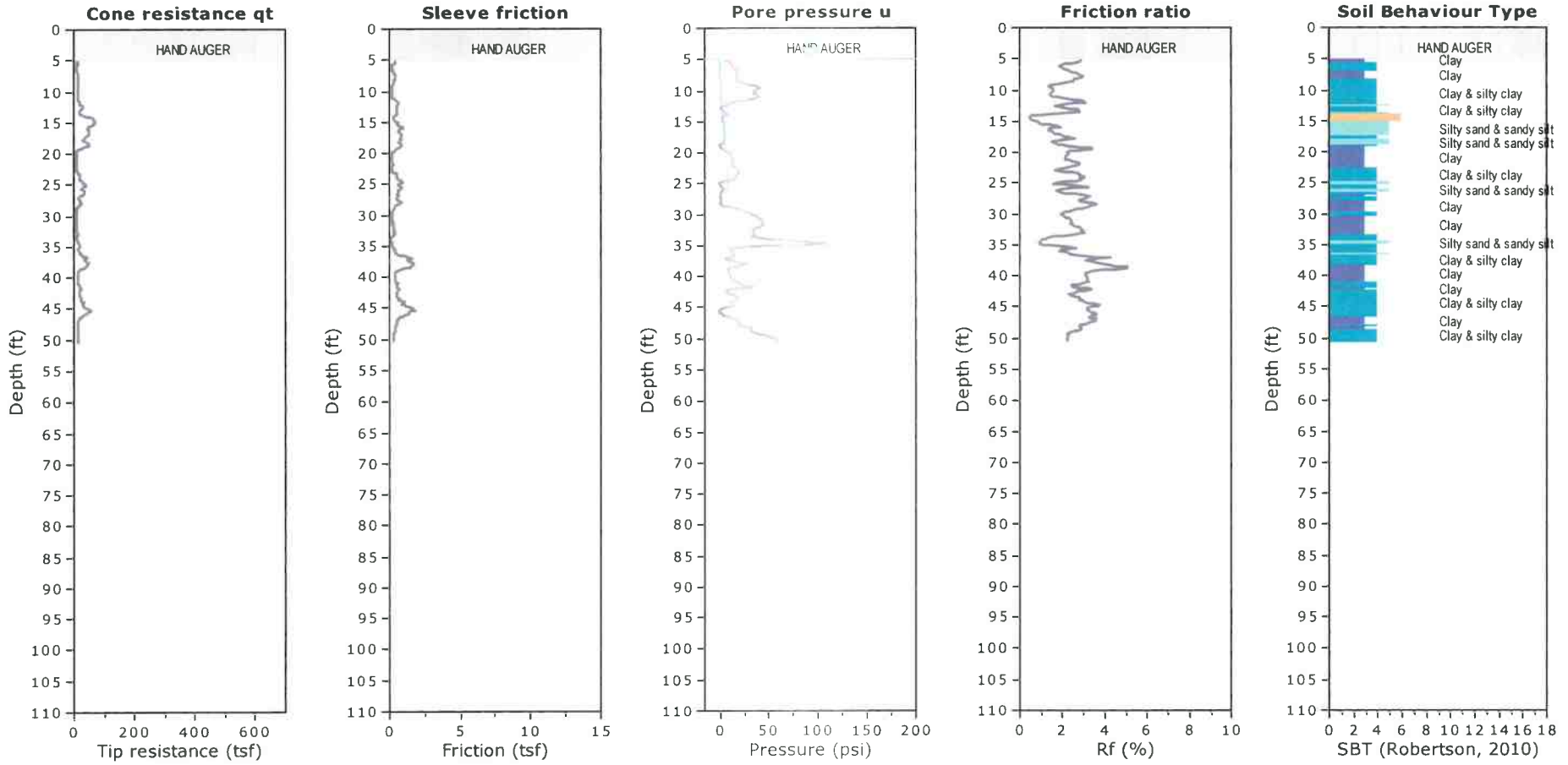
CPT: CPT-02

CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Field Rep: HADI FATTAL

Total depth: 50.20 ft, Date: 10/11/2019



WATER TABLE FOR ESTIMATING PURPOSES ONLY

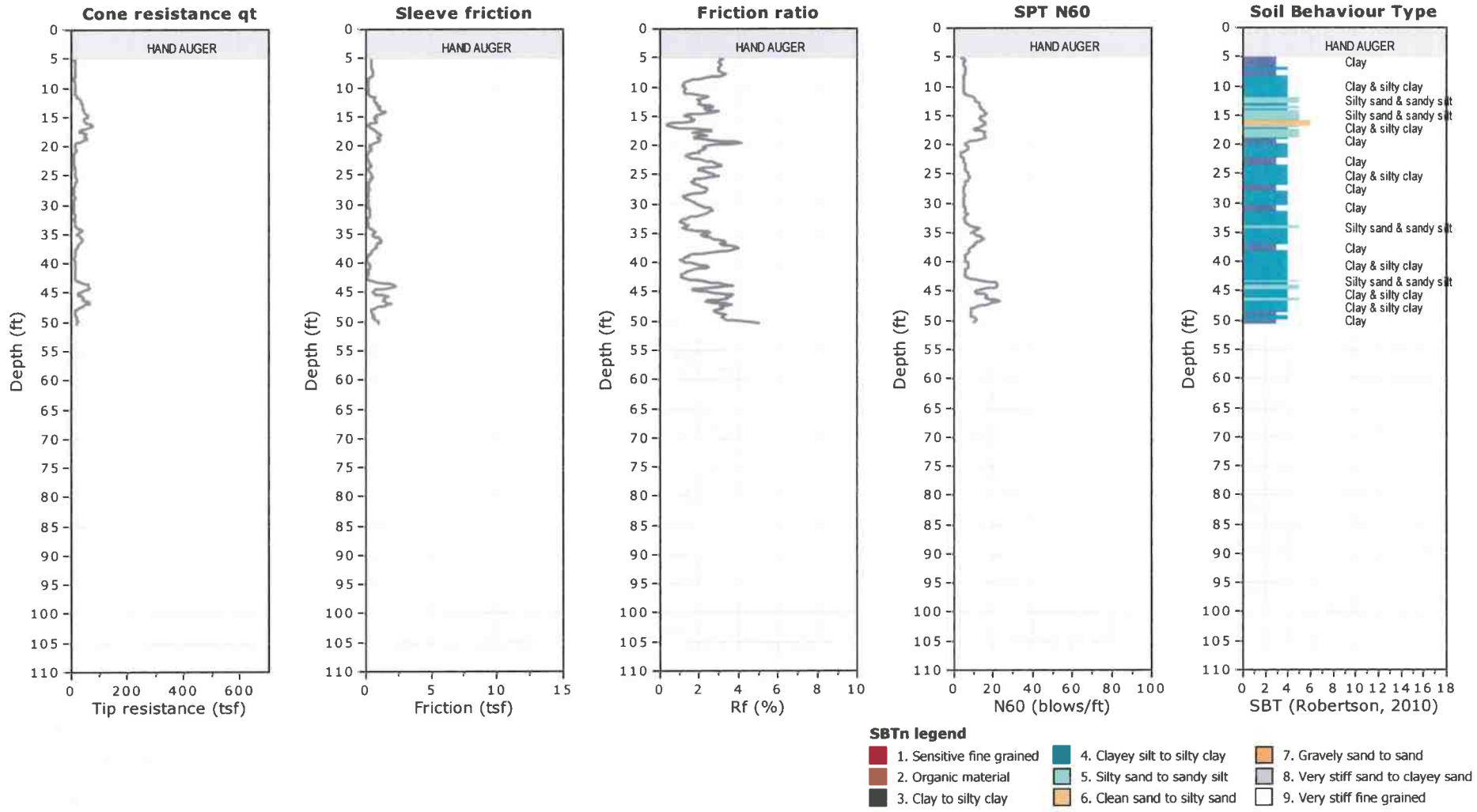
CPT: CPT-04

CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

FIELD REP: HADI FATTAL

Total depth: 50.20 ft, Date: 10/11/2019

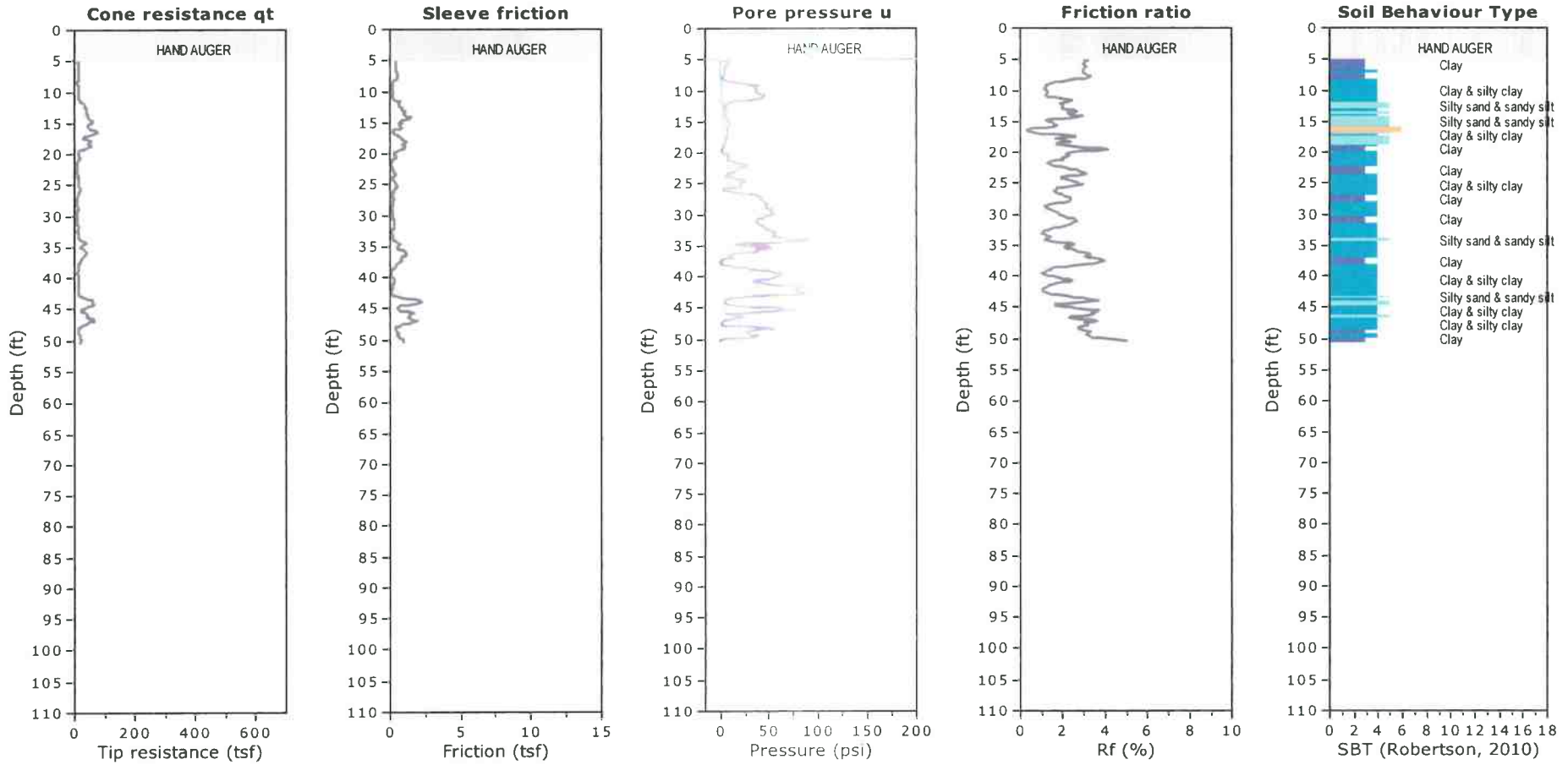


CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Field Rep: HADI FATTAL

Total depth: 50.20 ft, Date: 10/11/2019



WATER TABLE FOR ESTIMATING PURPOSES ONLY

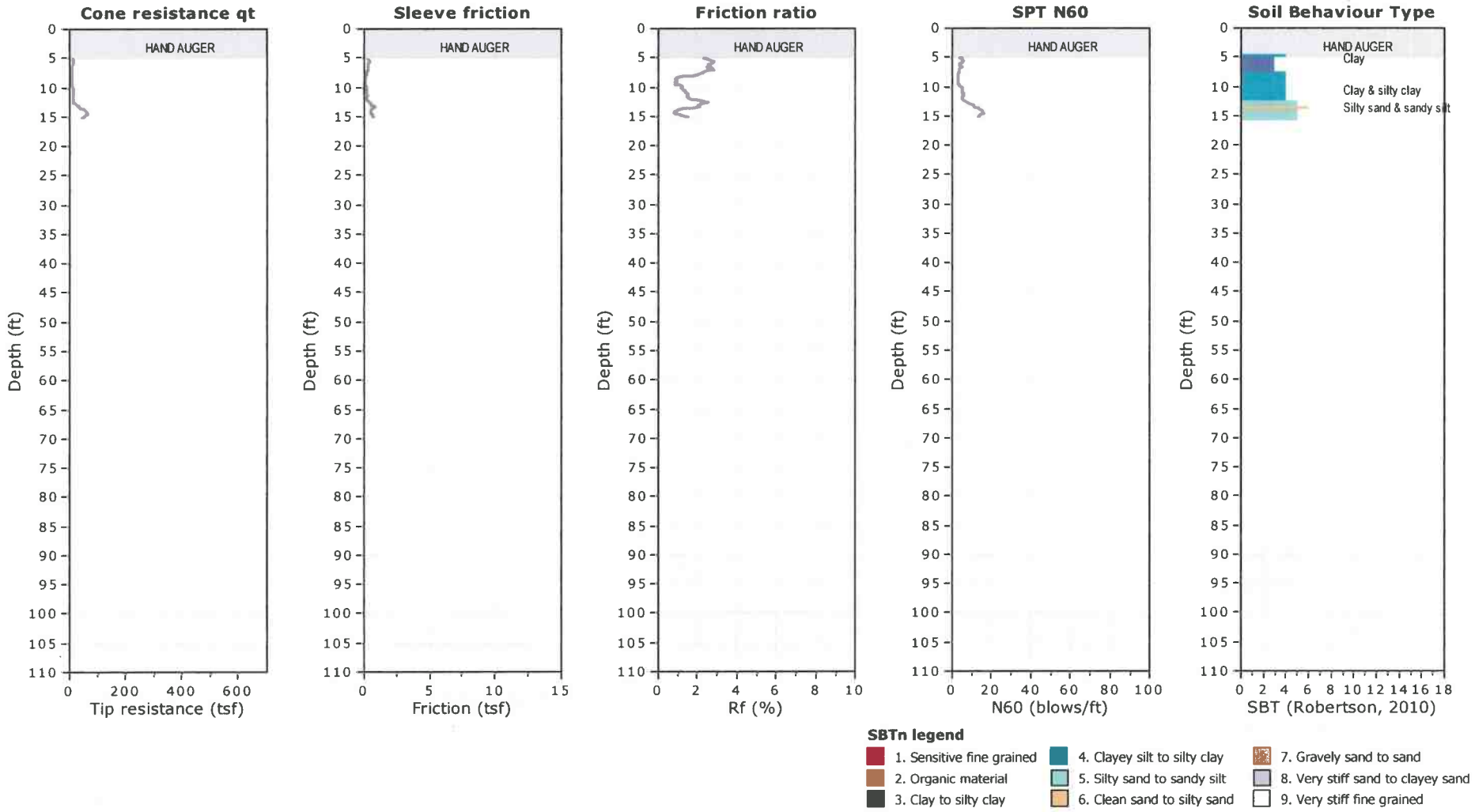
CPT: SCPT-03

CLIENT: KLEINFELDER

FIELD REP: HADI FATTAL

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Total depth: 15.09 ft, Date: 10/11/2019



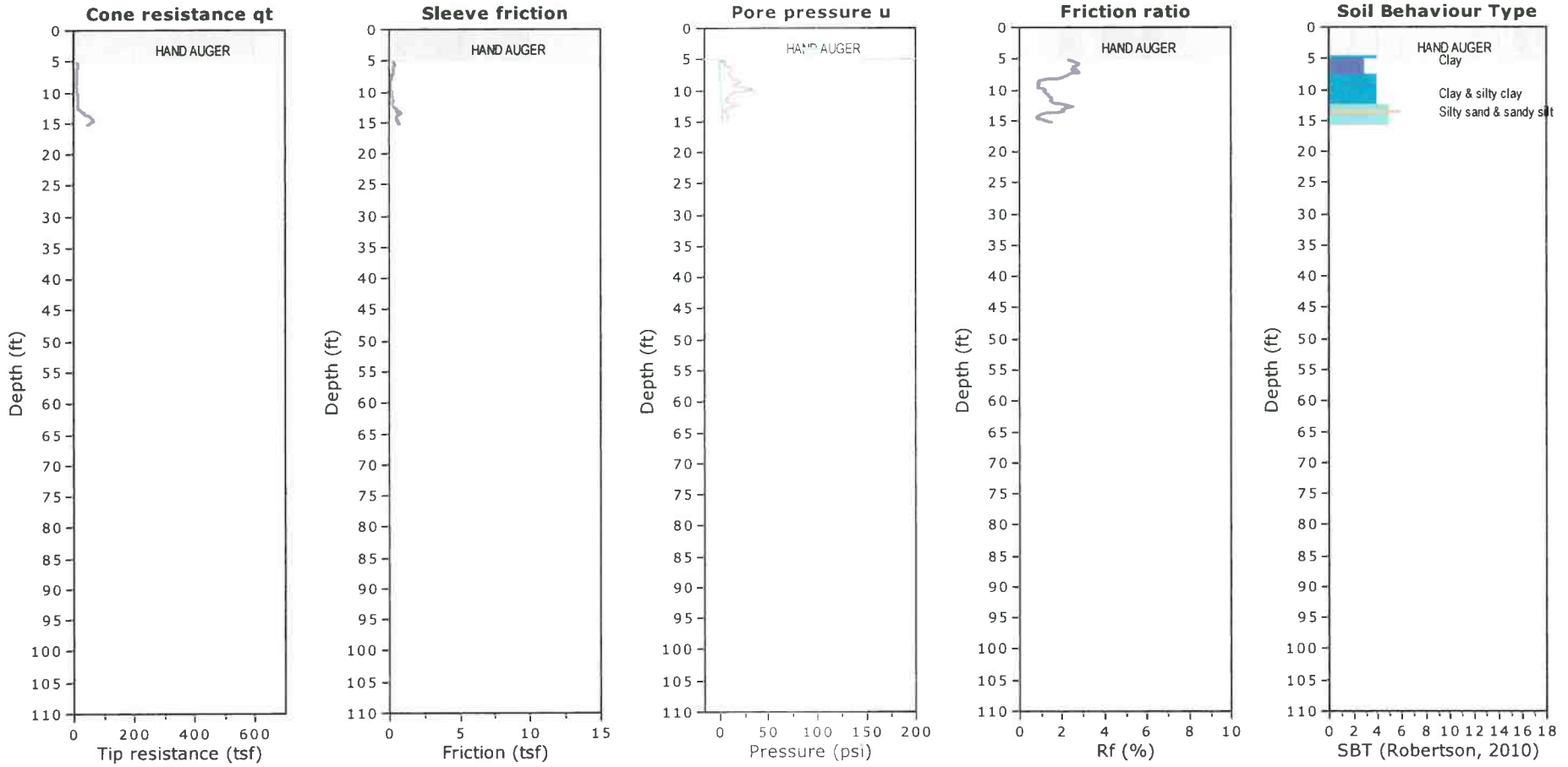
CPT: SCPT-03

CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Field Rep: HADI FATTAL

Total depth: 15.09 ft, Date: 10/11/2019



WATER TABLE FOR ESTIMATING PURPOSES ONLY

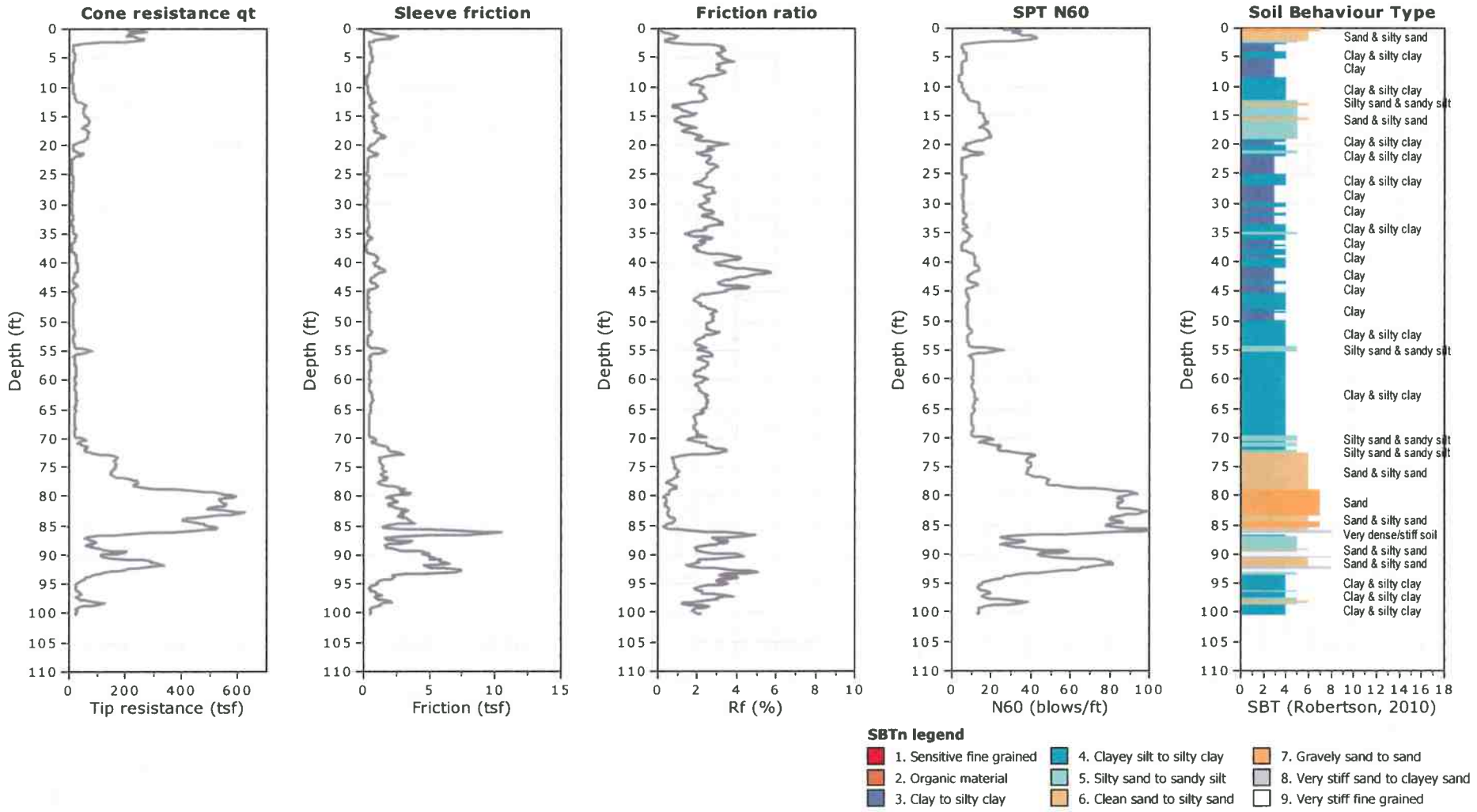
CPT: SCPT-03A

CLIENT: KLEINFELDER

FIELD REP: HADI FATTAL

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Total depth: 100.23 ft, Date: 10/11/2019

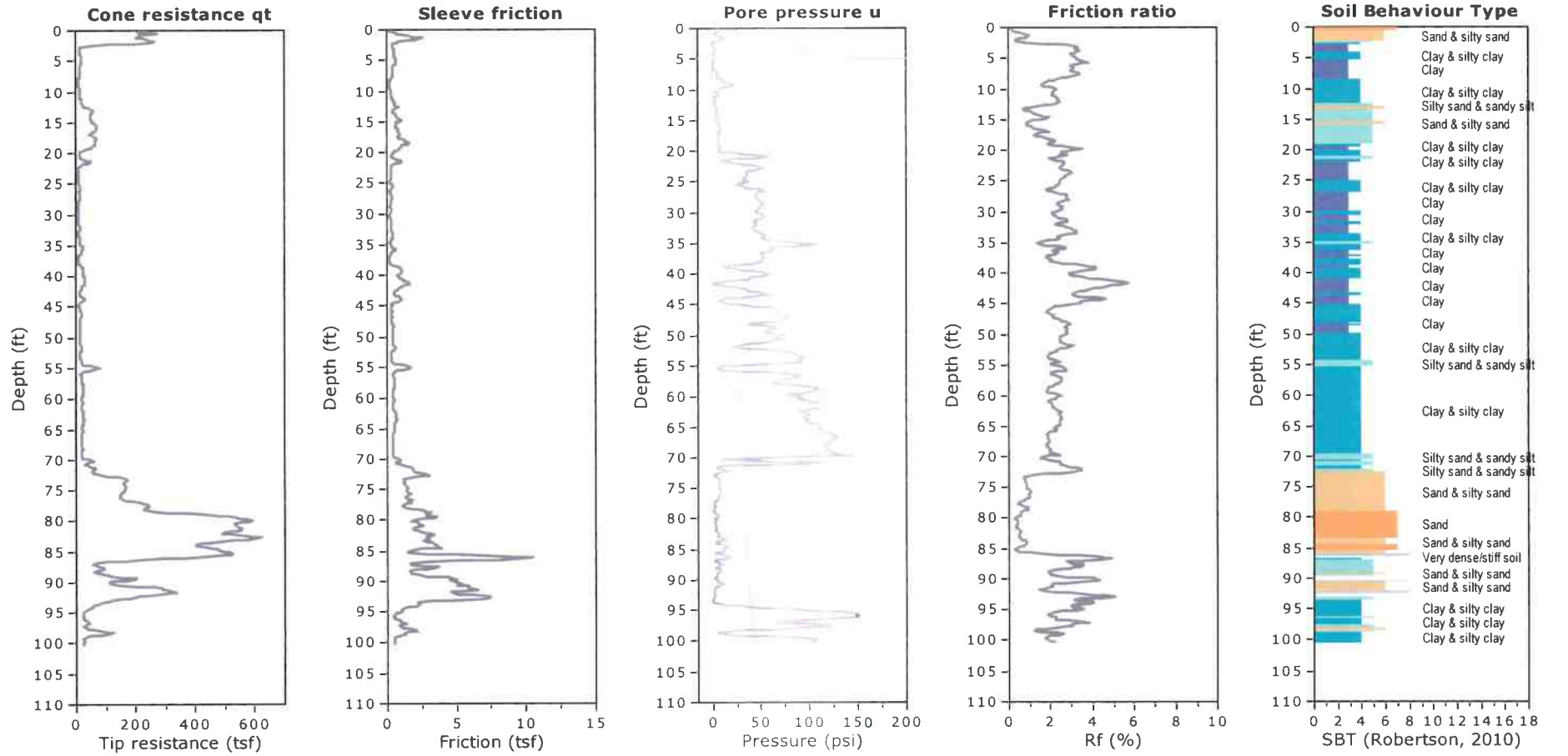


CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Field Rep: HADI FATTAL

Total depth: 100.23 ft, Date: 10/11/2019



WATER TABLE FOR ESTIMATING PURPOSES ONLY

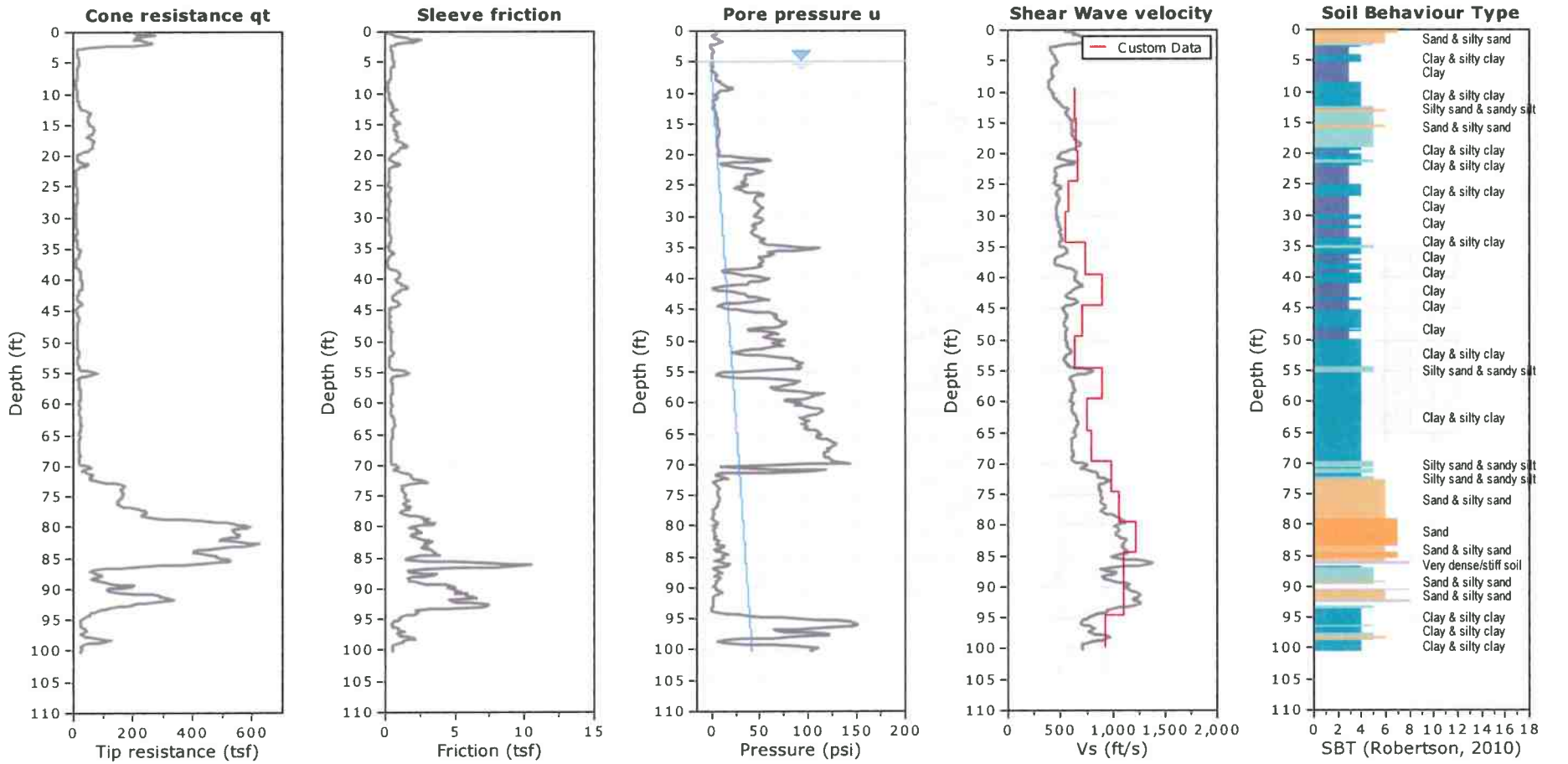
CPT: SCPT-03A

CLIENT: KLEINFELDER

SITE: PROLOGIS - 6756 CENTRAL AVENUE, NEWARK, CA

Field Rep: HADI FATTAL

Total depth: 100.23 ft, Date: 10/11/2019



WATER TABLE FOR ESTIMATING PURPOSES ONLY



PORE PRESSURE DISSIPATION

Pore Pressure Dissipation Tests (PPDT

Pore Pressure Dissipation Tests (PPDT's) conducted at various intervals can be used to measure equilibrium water pressure (at the time of the CPT). If conditions are hydrostatic, the equilibrium water pressure can be used to determine the approximate depth of the ground water table. A PPDT is conducted when penetration is halted at specific intervals determined by the field representative. The variation of the penetration pore pressure *(u)* with time is measured behind the tip of the cone and recorded.

Pore pressure dissipation data can be interpreted to provide estimates of:

- Equilibrium piezometric pressure
- Phreatic Surface
- In-situ horizontal coefficient of consolidation (c_h)
- In-situ horizontal coefficient of permeability (k_h)

In order to correctly interpret the equilibrium piezometric pressure and/or the phreatic surface, the pore pressure must be monitored until it reaches equilibrium, *Figure PPDT*. This time is commonly referred to as t_{100}, the point at which 100% of the excess pore pressure has dissipated.

A complete reference on pore pressure dissipation tests is presented by Robertson et al. 1992 and Lunne et al. 1997.

A summary of the pore pressure dissipation tests is summarized in Table 1.

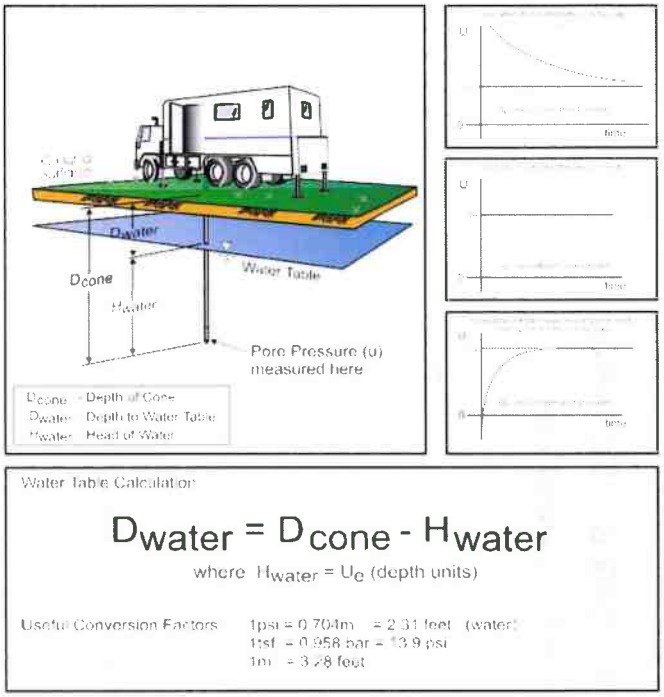
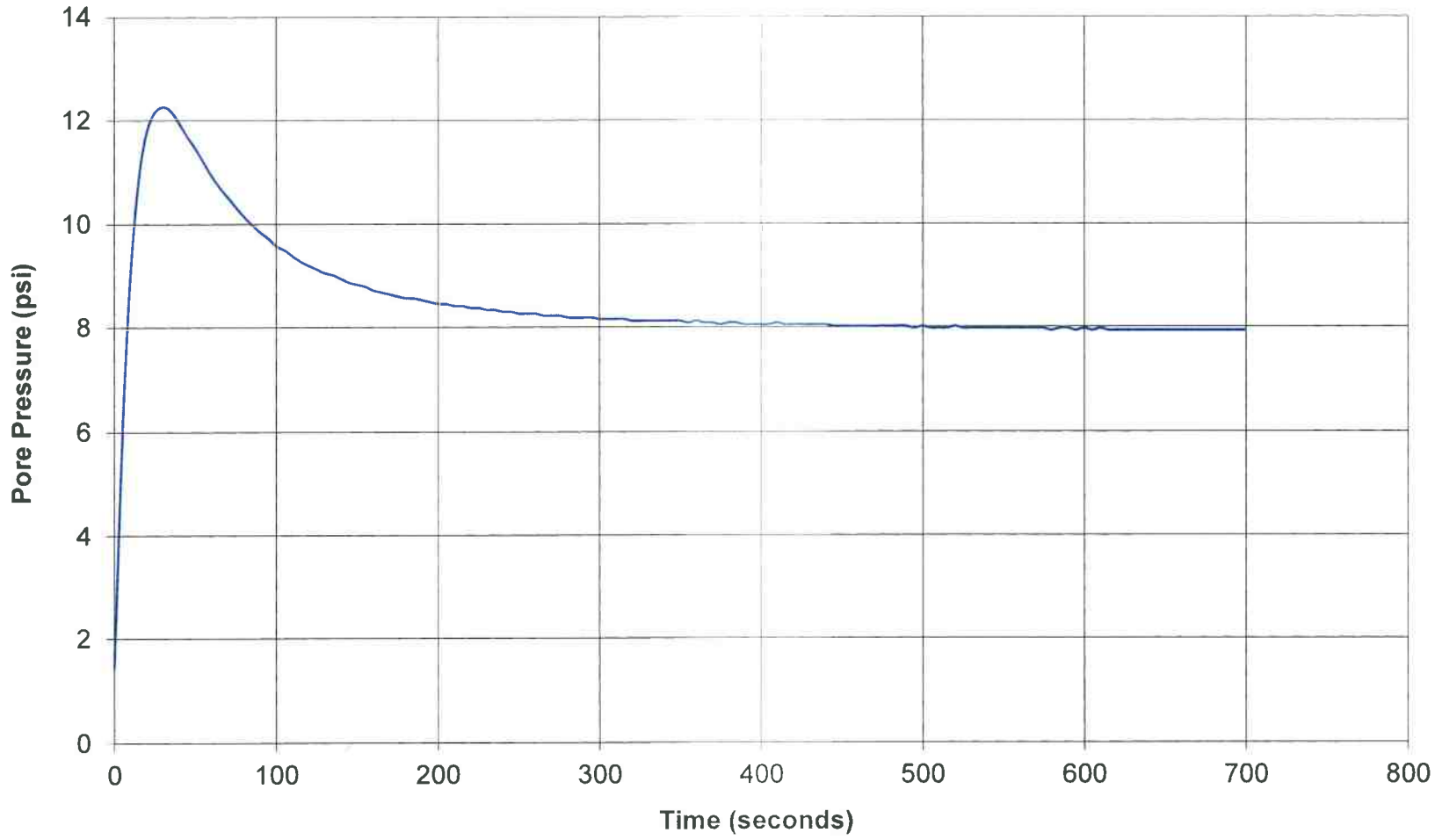


Figure PPDT

GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

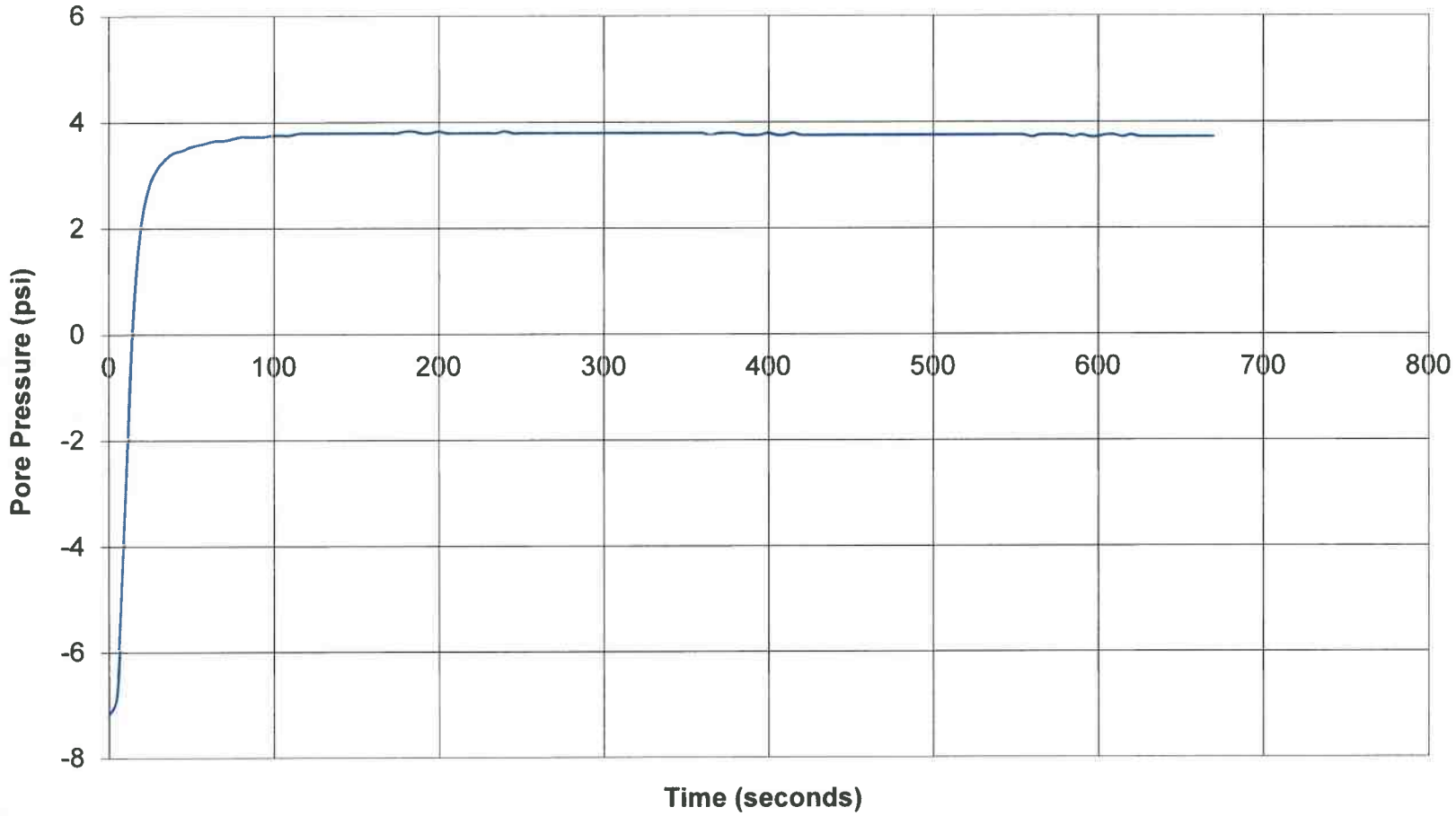
Sounding: CPT-02
Depth: 25.4264325
Site: Central Ave
Engineer: Hadi Fattal



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

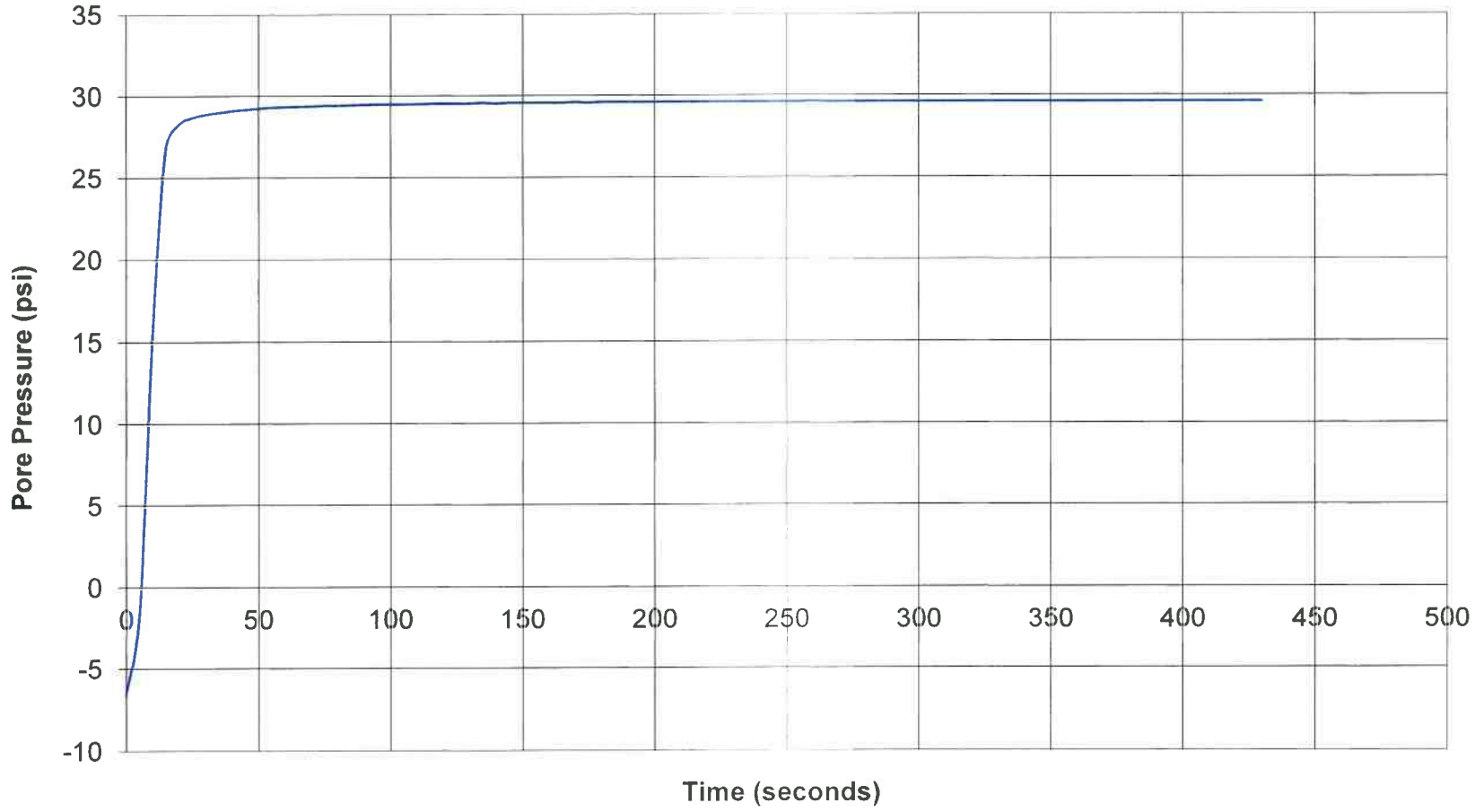
Sounding: CPT-04
Depth: 14.763735
Site: Central Ave
Engineer: Hadi Fattal



GREGG DRILLING & TESTING

Pore Pressure Dissipation Test

Sounding: SCPT-03A
Depth: 73.490592
Site: Central Ave
Engineer: Hadi Fattal





SEISMIC DATA

Seismic Cone Penetration Testing (SCPT)

Seismic Cone Penetration Testing (SCPT) can be conducted at various intervals during the Cone Penetration Test. Shear wave velocity (Vs) can then be calculated over a specified interval with depth. A small interval for seismic testing, such as 1-1.5m (3-5ft) allows for a detailed look at the shear wave profile with depth. Conversely, a larger interval such as 3-6m (10-20ft) allows for a more average shear wave velocity to be calculated. Gregg's cones have a horizontally active geophone located 0.2m (0.66ft) behind the tip.

To conduct the seismic shear wave test, the penetration of the cone is stopped and the rods are decoupled from the rig. An automatic hammer is triggered to send a shear wave into the soil. The distance from the source to the cone is calculated knowing the total depth of the cone and the horizontal offset distance between the source and the cone. To calculate an interval velocity, a minimum of two tests must be performed at two different depths. The arrival times between the two wave traces are compared to obtain the difference in time (Δt). The difference in depth is calculated (Δd) and velocity can be determined using the simple equation: $v = \Delta d/\Delta t$

Multiple wave traces can be recorded at the same depth to improve quality of the data.

A complete reference on seismic cone penetration tests is presented by Robertson et al. 1986 and Lunne et al. 1997.

A summary the shear wave velocities, arrival times and wave traces are provided with the report.

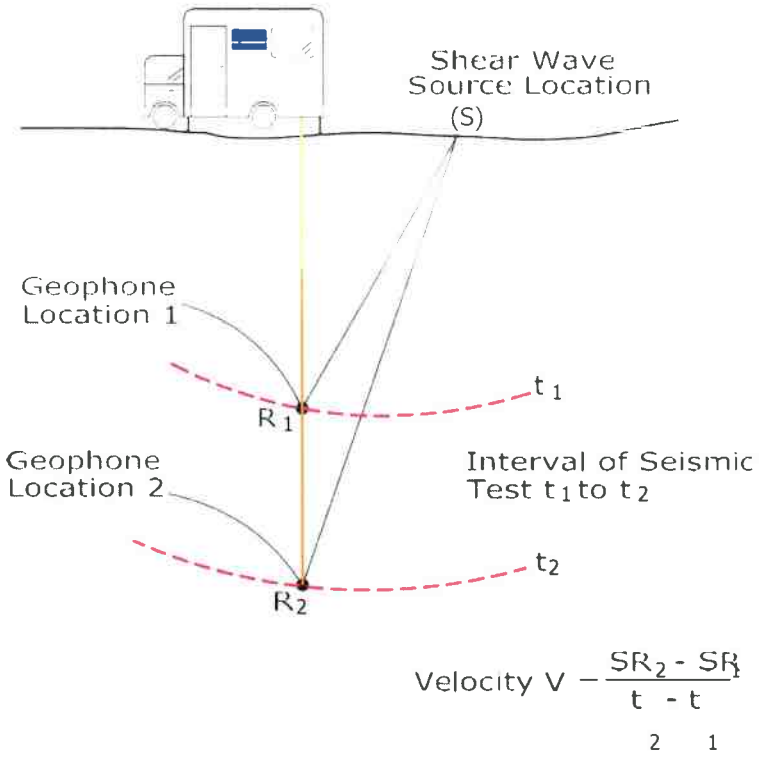


Figure SCPT

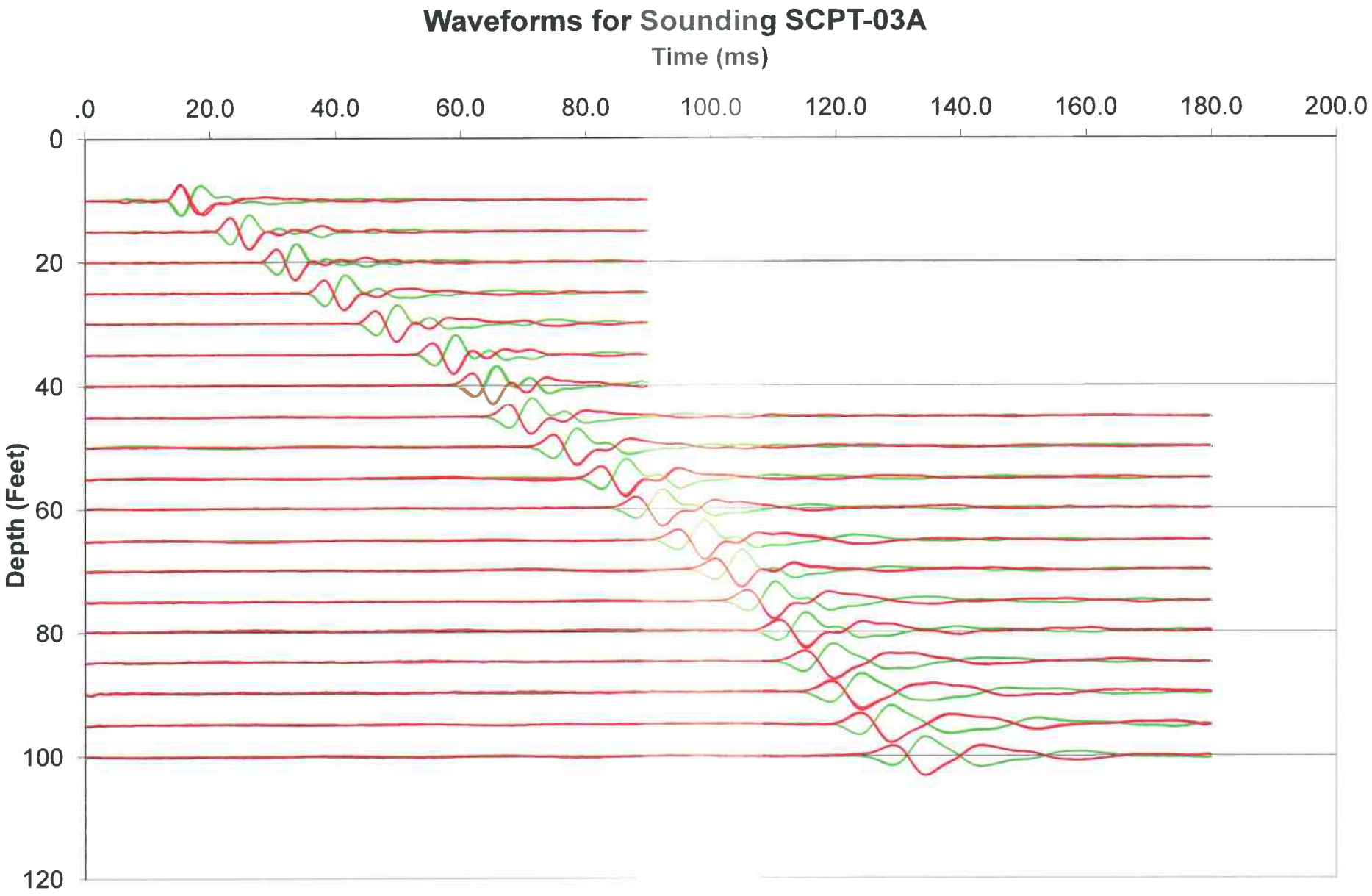
Shear Wave Velocity Calculations

Central Ave Prologis
SCPT-03

Geophone Offset: 0.66 Feet
Source Offset: 1.67 Feet

10/11/19

Test Depth (Feet)	Geophone Depth (Feet)	Waveform Ray Path (Feet)	Incremental Distance (Feet)	Characteristic Arrival Time (ms)	Incremental Time Interval (ms)	Interval Velocity (Ft/Sec)	Interval Depth (Feet)
10.01	9.35	9.49	9.49	15.4500			
15.09	14.43	14.53	5.03	23.3000	7.8500	641.2	11.89
20.01	19.35	19.42	4.90	30.7000	7.4000	661.7	16.89
25.10	24.44	24.50	5.07	38.2500	7.5500	671.6	21.90
30.02	29.36	29.41	4.91	46.6500	8.4000	584.7	26.90
35.10	34.44	34.49	5.08	55.7000	9.0500	561.1	31.90
40.03	39.37	39.40	4.92	62.3000	6.6000	744.9	36.91
45.11	44.45	44.48	5.08	67.9000	5.6000	907.4	41.91
50.03	49.37	49.40	4.92	74.8000	6.9000	712.8	46.91
55.12	54.46	54.48	5.08	82.6500	7.8500	647.5	51.92
60.04	59.38	59.40	4.92	88.1000	5.4500	902.6	56.92
65.29	64.63	64.65	5.25	94.9500	6.8500	766.0	62.00
70.05	69.39	69.41	4.76	100.9000	5.9500	799.3	67.01
75.13	74.47	74.49	5.08	106.0000	5.1000	996.8	71.93
80.05	79.39	79.41	4.92	110.6000	4.6000	1069.6	76.93
85.14	84.48	84.49	5.08	114.7500	4.1500	1225.1	81.93
90.06	89.40	89.41	4.92	119.2000	4.4500	1105.7	86.94
95.14	94.48	94.50	5.08	123.8000	4.6000	1105.3	91.94
100.23	99.57	99.58	5.08	129.2500	5.4500	932.9	97.03


Waveforms for Sounding SCPT-03A
Time (ms)
.0
20.0
40.0
60.0
80.0
100.0
120.0
140.0
160.0
180.0
200.0
Depth (Feet)
0
20
40
60
80
100
120

CORNERSTONE EARTH GROUP

APPENDIX D: LIQUEFACTION ANALYSES CALCULATIONS

CORNERSTONE EARTH GROUP

CPT No.	1

PGA (A_{max})	0.76

Total Settlement:	1.37	(Inches)

© 2014 Cornerstone Earth Group, Inc.

Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	Ic	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{cl})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	Ks for Sand	CRR$_{M=7.5,\ S'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	7.058	0.493	610.2	610.2	22.133	7.301	2.98		Clay	100.0			5.67	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	10.173	0.410	629.9	629.9	31.301	4.159	2.70		Clay	78.9			9.62	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	9.719	0.262	649.6	649.6	28.925	2.789	2.61		Clay	71.7			9.19	1.37	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	9.858	0.313	669.2	669.2	28.460	3.287	2.66		Clay	75.9			9.32	1.35	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	9.976	0.367	688.9	688.9	27.961	3.810	2.71		Clay	79.7			9.43	1.34	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	9.378	0.365	708.7	708.7	25.465	4.045	2.76		Clay	83.5			8.86	1.33	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	8.336	0.271	728.4	728.4	21.889	3.399	2.76		Clay	83.6			7.88	1.32	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	7.306	0.224	748.1	748.1	18.533	3.231	2.80		Clay	87.0			6.91	1.32	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	6.666	0.227	767.8	767.8	16.365	3.613	2.87		Clay	92.8			6.30	1.31	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	6.214	0.177	787.4	787.4	14.783	3.041	2.86		Clay	92.0			5.87	1.30	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	6.015	0.118	807.1	807.1	13.905	2.103	2.79		Clay	86.3			5.69	1.29	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	6.105	0.090	826.8	826.8	13.768	1.581	2.73		Clay	81.3			5.77	1.28	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	6.381	0.063	846.5	846.5	14.077	1.057	2.63		Clay	73.7			6.03	1.27	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	7.356	0.069	866.2	866.2	12.228	0.997	2.68	plastic	Clay	77.1			6.95	1.27	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	8.938	0.060	885.8	885.8	14.770	0.706	2.54	plastic	Clay	65.9			8.45	1.26	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	10.633	0.080	905.5	905.5	14.709	0.786	2.56	plastic	Clay	67.7			10.05	1.25	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	13.043	0.158	925.2	925.2	17.982	1.256	2.58	plastic	Clay	69.2			12.33	1.24	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	16.457	0.333	944.9	944.9	26.565	2.083	2.56	plastic	Clay	67.8			15.55	1.24	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	21.371	0.501	964.8	962.4	29.276	2.398	2.56		Sand	68.1	23.1	1.61	37.19	1.44	53.37	119.13	0.98	0.602	1.097	0.169	0.256	0.43	0.03	0.05
8.202	24.443	0.626	985.3	972.6	33.389	2.614	2.54		Sand	66.5		1.61	37.20	1.43	53.17	118.49	0.98	0.606	1.096	0.168	0.253	0.42	0.03	0.05
8.366	24.340	0.629	1005.8	982.9	33.057	2.639	2.55		Sand	67.0	23.1	1.61	37.19	1.42	52.92	118.28	0.98	0.610	1.094	0.168	0.252	0.41	0.03	0.05
8.530	23.762	0.669	1026.3	993.2	32.075	2.878	2.58		Sand	69.7	23.1	1.61	37.19	1.42	52.65	118.54	0.98	0.614	1.093	0.168	0.253	0.41	0.03	0.05
8.694	22.660	0.370	1046.8	1003.4	30.383	1.671	2.46		Sand	59.5	23.1	1.61	37.19	1.41	52.61	115.92	0.98	0.618	1.090	0.163	0.241	0.39	0.03	0.05
8.858	23.064	0.688	1067.3	1013.7	35.645	3.054	2.57		Mixed	68.3	23.1	1.61	37.19	1.40	52.22	117.68	0.98	0.622	1.090	0.166	0.248	0.40	0.03	0.05
9.022	22.082	0.731	1087.8	1024.0	33.836	3.394	2.61		Mixed	72.1	23.1	1.61	37.19	1.40	51.95	118.12	0.98	0.626	1.089	0.167	0.250	0.40	0.03	0.05
9.186	19.389	0.629	1108.3	1034.2	29.383	3.340	2.65		Mixed	75.4	23.1	1.61	37.19	1.39	51.69	118.41	0.98	0.630	1.088	0.168	0.251	0.40	0.03	0.05
9.350	15.290	0.532	1128.8	1044.5	28.196	3.613	2.69		Clay	78.3			14.45	1.20	n.a.	n.a.	0.98	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.514	10.357	0.287	1149.3	1054.8	18.549	2.934	2.77		Clay	84.9			9.79	1.20	n.a.	n.a.	0.98	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.678	7.585	0.168	1169.8	1065.0	13.145	2.400	2.84		Clay	90.5			7.17	1.20	n.a.	n.a.	0.98	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.843	6.090	0.082	1190.4	1075.4	10.219	1.492	2.83		Clay	89.2			5.76	1.20	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	5.275	0.039	1210.9	1085.6	8.602	0.835	2.78		Clay	85.4			4.99	1.19	n.a.	n.a.	0.97	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.171	4.899	0.116	1231.4	1095.9	7.817	2.708	3.06		Clay	100.0			4.63	1.19	n.a.	n.a.	0.97	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.335	4.635	0.116	1251.9	1106.2	7.249	2.893	3.10		Clay	100.0			4.38	1.19	n.a.	n.a.	0.97	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.499	4.633	0.058	1272.4	1116.4	7.160	1.451	2.96		Clay	99.6			4.38	1.18	n.a.	n.a.	0.97	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.663	4.985	0.030	1292.9	1126.7	7.701	0.691	2.79		Clay	86.4			4.71	1.18	n.a.	n.a.	0.97	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.827	5.477	0.046	1313.4	1137.0	8.479	0.954	2.81		Clay	87.8			5.18	1.18	n.a.	n.a.	0.97	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.991	5.932	0.047	1333.9	1147.2	9.179	0.893	2.77		Clay	84.4			5.61	1.18	n.a.	n.a.	0.97	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.155	6.146	0.052	1354.4	1157.5	9.449	0.951	2.77		Clay	84.4			5.81	1.17	n.a.	n.a.	0.97	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.319	6.482	0.058	1374.9	1167.8	9.924	1.001	2.76		Clay	83.6			6.13	1.17	n.a.	n.a.	0.97	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.483	7.061	0.060	1395.4	1178.0	10.803	0.943	2.71		Clay	80.1			6.67	1.17	n.a.	n.a.	0.97	0.671	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.647	7.660	0.063	1415.9	1188.3	11.701	0.906	2.67		Clay	77.0			7.24	1.16	n.a.	n.a.	0.97	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.811	8.346	0.081	1436.4	1198.6	12.728	1.062	2.67		Clay	76.9			7.89	1.16	n.a.	n.a.	0.97	0.676	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.975	9.426	0.099	1456.9	1208.8	14.390	1.138	2.64		Clay	74.3			8.91	1.16	n.a.	n.a.	0.97	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.139	12.121	0.222	1477.4	1219.1	18.673	1.950	2.67		Clay	76.4			11.46	1.16	n.a.	n.a.	0.97	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.303	13.858	0.284	1497.9	1229.4	21.327	2.166	2.65		Clay	74.7			13.10	1.15	n.a.	n.a.	0.97	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.467	15.985	0.462	1518.4	1239.6	24.565	3.034	2.69		Clay	78.0			15.11	1.15	n.a.	n.a.	0.97	0.685	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.631	18.288	0.429	1538.9	1249.9	23.937	2.449	2.64	plastic	Clay	74.1	22.13	1.8	39.83	1.15	n.a.	n.a.	0.96	0.687	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.795	21.501	0.479	1559.4	1260.2	28.151	2.312	2.57	plastic	Clay	68.4	22.13	1.8	39.83	1.15	n.a.	n.a.	0.96	0.689	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.959	23.409	0.560	1579.9	1270.4	27.591	2.476	2.59	plastic	Clay	70.4		1.8	39.83	1.14	n.a.	n.a.	0.96	0.691	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.123	22.364	0.569	1600.4	1280.7	28.966	2.639	2.59	plastic	Clay	70.5	22.13	1.8	39.83	1.14	n.a.	n.a.	0.96	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.287	20.460	0.620	1620.9	1291.0	30.442	3.155	2.63		Clay	73.2			19.34	1.14	n.a.	n.a.	0.96	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.451	19.455	0.719	1641.4	1301.2	28.641	3.858	2.70		Clay	79.4			18.39	1.14	n.a.	n.a.	0.96	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.615	20.417	0.733	1661.9	1311.5	29.868	3.742	2.68		Clay	77.6			19.30	1.13	n.a.	n.a.	0.96	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.780	21.062	0.642	1682.5	1321.8	30.595	3.175	2.63		Clay	73.2			19.91	1.13	n.a.	n.a.	0.96	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.944	19.855	0.593	1703.0	1332.1	28.532	3.120	2.65		Clay	74.6			18.77	1.13	n.a.	n.a.	0.96	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.108	17.570	0.610	1723.5	1342.4	24.894	3.651	2.73		Clay	81.8			16.61	1.13	n.a.	n.a.	0.96	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.272	17.677	0.656	1744.0	1352.6	24.848	3.904	2.75		Clay	83.3			16.71	1.13	n.a.	n.a.	0.96	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.436	22.026	0.837	1764.5	1362.9	31.028	3.959	2.69		Clay	77.9			20.82	1.12	n.a.	n.a.	0.96	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.600	28.842	0.910	1785.0	1373.2	35.756	3.256	2.58		Mixed	69.7	29.73		29.73	1.24	36.94	98.26	0.96	0.708	1.045	0.135	0.177	0.25	0.03	0.06
14.764	31.457	0.873	1805.5	1383.4	35.716	2.857	2.55		Sand	66.7			29.73	1.24	36.83	97.50	0.96	0.710	1.044	0.134	0.175	0.25	0.03	0.06
14.928	28.005	0.728	1826.0	1393.7	31.552	2.687	2.57		Sand	68.6	29.73		29.73	1.23	36.68	97.71	0.96	0.711	1.044	0.134	0.175	0.25	0.03	0.06
15.092	21.544	0.792	1846.5	1404.0	29.375	3.841	2.70		Clay	78.6			20.36	1.11	n.a.	n.a.	0.95	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.256	18.929	0.442	1867.0	1414.2	25.449	2.456	2.62		Clay	72.4			17.89	1.11	n.a.	n.a.	0.95	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.420	19.725	0.483	1887.5	1424.5	26.369	2.572	2.62		Clay	72.5			18.64	1.11	n.a.	n.a.	0.95	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.584	20.648	0.577	1908.0	1434.8	27.453	2.930	2.64		Clay	74.2			19.52	1.11	n.a.	n.a.	0.95	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.748	20.544	0.617	1928.5	1445.0	27.100	3.151	2.67		Clay	76.2			19.42	1.11	n.a.	n.a.	0.95	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.912	20.023	0.501	1949.0	1455.3	26.178	2.630	2.63		Clay	73.1			18.93	1.10	n.a.	n.a.	0.95	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
16.076	19.657	0.518	1969.5	1465.6	25.481	2.774	2.65		Clay	75.0			18.58	1.10	n.a.	n.a.	0.95	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 1

PGA (A_{max}) 0.76

Total Settlement: 1.37 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	21.287	0.693	1990.0	1475.8	27.499	3.415	2.68		Clay	77.6			20.12	1.10	n.a.	n.a.	0.95	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
16.404	27.093	0.560	2010.5	1486.1	29.423	2.147	2.53		Sand	65.6	37.47		37.47	1.19	44.44	107.05	0.95	0.723	1.040	0.147	0.199	0.28	0.03	0.06
16.568	33.909	0.548	2031.0	1496.4	36.971	1.666	2.39		Sand	53.9	37.47		37.47	1.19	44.41	103.67	0.95	0.724	1.038	0.142	0.189	0.26	0.03	0.06
16.732	38.836	0.497	2051.5	1506.6	42.353	1.314	2.28		Sand	45.2	37.47		37.47	1.18	44.38	99.98	0.95	0.725	1.036	0.137	0.179	0.25	0.03	0.06
16.896	39.641	0.547	2072.0	1516.9	43.096	1.417	2.29		Sand	46.3			37.47	1.18	44.22	100.30	0.95	0.726	1.035	0.138	0.180	0.25	0.03	0.06
17.060	39.061	0.598	2092.5	1527.2	42.294	1.573	2.33		Sand	79.0			36.92	1.17	43.19	107.98	0.95	0.727	1.037	0.149	0.201	0.28	0.03	0.06
17.224	38.501	0.879	2113.0	1537.4	41.521	2.347	2.44		Sand	79.0			36.39	1.17	42.46	107.04	0.95	0.728	1.036	0.147	0.198	0.27	0.03	0.06
17.388	39.772	0.878	2133.5	1547.7	42.776	2.268	2.42		Sand	79.0			37.59	1.16	43.68	108.62	0.94	0.729	1.036	0.150	0.203	0.28	0.03	0.06
17.552	39.974	0.650	2154.0	1558.0	42.846	1.671	2.34		Sand	79.0			37.78	1.16	43.76	108.72	0.94	0.730	1.035	0.150	0.203	0.28	0.03	0.06
17.717	36.365	0.672	2174.6	1568.3	38.731	1.905	2.41		Sand	79.0	37.78		37.78	1.15	43.62	108.54	0.94	0.731	1.034	0.150	0.203	0.28	0.03	0.06
17.881	28.254	0.748	2195.1	1578.6	29.718	2.754	2.60	plastic	Clay	79.0	37.78		37.78	1.08	n.a.	n.a.	0.94	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.045	22.496	0.843	2215.6	1588.8	26.923	3.941	2.73		Clay	79.0			21.26	1.08	n.a.	n.a.	0.94	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.209	23.425	0.758	2236.1	1599.1	27.900	3.398	2.68		Clay	79.0			22.14	1.08	n.a.	n.a.	0.94	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.373	26.056	0.526	2256.6	1609.3	27.016	2.110	2.56	plastic	Clay	79.0			24.63	1.07	n.a.	n.a.	0.94	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.537	25.079	0.613	2277.1	1619.6	27.285	2.561	2.61	plastic	Clay	79.0			23.70	1.07	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.701	19.442	0.647	2297.6	1629.9	22.447	3.537	2.76		Clay	79.0			18.38	1.07	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.865	13.624	0.612	2318.1	1640.1	15.200	4.910	2.98		Clay	79.0			12.88	1.07	n.a.	n.a.	0.94	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.029	10.665	0.440	2338.6	1650.4	11.507	4.634	3.06		Clay	100.0			10.08	1.07	n.a.	n.a.	0.94	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.193	9.113	0.294	2359.1	1660.7	9.554	3.706	3.07		Clay	100.0			8.61	1.07	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.357	8.572	0.224	2379.6	1670.9	8.836	3.034	3.04		Clay	100.0			8.10	1.06	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.521	8.280	0.217	2400.1	1681.2	8.422	3.065	3.06		Clay	100.0			7.83	1.06	n.a.	n.a.	0.93	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.685	8.033	0.218	2420.6	1691.5	8.067	3.195	3.09		Clay	100.0			7.59	1.06	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	7.812	0.227	2441.1	1701.7	7.747	3.444	3.12		Clay	100.0			7.38	1.06	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	7.684	0.237	2461.6	1712.0	7.539	3.673	3.15		Clay	100.0			7.26	1.06	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	7.984	0.282	2482.1	1722.3	7.830	4.182	3.17		Clay	100.0			7.55	1.06	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	8.383	0.308	2502.6	1732.5	8.233	4.319	3.16		Clay	100.0			7.92	1.05	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	8.696	0.407	2523.1	1742.8	8.532	5.475	3.21		Clay	100.0			8.22	1.05	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	8.814	0.382	2543.6	1753.1	8.605	5.065	3.18		Clay	100.0			8.33	1.05	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	8.860	0.372	2564.1	1763.3	8.595	4.909	3.18		Clay	100.0			8.37	1.05	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	8.816	0.325	2584.6	1773.6	8.484	4.320	3.15		Clay	100.0			8.33	1.05	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	8.660	0.294	2605.1	1783.9	8.249	3.996	3.14		Clay	100.0			8.19	1.05	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.325	8.823	0.260	2625.6	1794.1	8.372	3.462	3.10		Clay	100.0			8.34	1.04	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.490	10.190	0.318	2646.3	1804.5	9.828	3.586	3.05		Clay	100.0			9.63	1.04	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.654	13.328	0.486	2666.8	1814.7	13.219	4.052	2.98		Clay	100.0			12.60	1.04	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.818	14.972	0.631	2687.3	1825.0	14.935	4.630	2.97		Clay	100.0			14.15	1.04	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.982	17.186	0.795	2707.8	1835.3	17.253	5.021	2.95		Clay	98.6			16.24	1.04	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	18.299	0.670	2728.3	1845.5	18.352	3.956	2.86		Clay	91.7			17.30	1.04	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.310	18.623	0.851	2748.8	1855.8	18.589	4.934	2.92		Clay	96.3			17.60	1.04	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	18.543	0.836	2769.3	1866.1	18.390	4.872	2.92		Clay	96.3			17.53	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	17.215	0.816	2789.8	1876.3	16.863	5.158	2.96		Clay	99.9			16.27	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	16.987	0.745	2810.3	1886.6	16.518	4.781	2.95		Clay	98.7			16.06	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	15.197	0.686	2830.8	1896.9	14.531	4.978	3.00		Clay	100.0			14.36	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	14.214	0.568	2851.3	1907.1	13.411	4.442	3.00		Clay	96.0			13.43	1.03	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	14.600	0.483	2871.8	1917.4	13.731	3.669	2.94		Clay	96.0			13.80	1.03	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	19.147	0.711	2892.3	1927.7	18.365	4.017	2.86		Clay	96.0			18.10	1.02	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	27.679	0.445	2912.8	1937.9	25.899	1.697	2.52		Sand	96.0	32.48	1.8	58.46	1.04	60.73	133.09	0.92	0.750	1.012	0.207	0.314	0.42	0.02	0.05
23.786	34.363	0.470	2933.3	1948.2	32.404	1.429	2.39		Sand	96.0		1.8	58.46	1.04	60.59	132.91	0.91	0.750	1.011	0.207	0.312	0.42	0.02	0.05
23.950	33.047	0.641	2953.8	1958.5	31.016	2.030	2.50		Sand	96.0	32.48	1.8	58.46	1.03	60.46	132.73	0.91	0.750	1.011	0.206	0.311	0.41	0.02	0.05
24.114	25.304	0.706	2974.3	1968.7	24.195	2.964	2.69		Clay	96.0			23.92	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	17.781	0.606	2994.8	1979.0	16.456	3.722	2.88		Clay	96.0			16.81	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	14.104	0.442	3015.3	1989.3	12.664	3.509	2.95		Clay	96.0			13.33	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	12.317	0.432	3035.8	1999.5	10.802	4.000	3.04		Clay	96.0			11.64	1.02	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	11.675	0.442	3056.3	2009.8	10.097	4.356	3.09		Clay	96.0			11.03	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	11.758	0.456	3076.8	2020.1	10.118	4.462	3.09		Clay	96.0			11.11	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	12.816	0.339	3097.3	2030.3	11.099	3.009	2.96		Clay	96.0			12.11	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	14.322	0.481	3117.8	2040.6	12.509	3.769	2.98		Clay	96.0			13.54	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	14.478	0.508	3138.4	2050.9	12.588	3.935	2.99		Clay	96.0			13.68	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	13.929	0.561	3158.9	2061.2	11.983	4.543	3.04		Clay	96.0			13.17	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	14.194	0.637	3179.4	2071.5	12.169	5.054	3.06		Clay	96.0			13.42	1.01	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	14.267	0.609	3199.9	2081.7	12.170	4.808	3.05		Clay	96.0			13.48	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	15.019	0.744	3220.4	2092.0	12.819	5.549	3.07		Clay	96.0			14.20	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	18.772	0.605	3240.9	2102.3	16.317	3.527	2.87		Clay	96.0			17.74	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	23.704	0.613	3261.4	2112.5	20.898	2.777	2.72		Clay	96.0			22.40	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	25.950	0.746	3281.9	2122.8	22.903	3.069	2.71		Clay	96.0			24.53	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	24.170	0.970	3302.4	2133.1	21.114	4.308	2.84		Clay	96.0			22.84	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	27.969	1.033	3322.9	2143.3	24.548	3.927	2.76		Clay	96.0			26.44	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	40.196	0.719	3343.4	2153.6	36.093	1.866	2.43		Sand	96.0	53.47	1.8	96.25	0.99	95.64	178.77	0.90	0.752	0.996	0.692	1.426	1.90	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 1

PGA (A_{max}) 0.76

Total Settlement: 1.37 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{tl})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	52.182	0.456	3363.9	2163.9	47.201	0.903	2.15		Sand	96.0	53.47	1.8	96.25	0.99	95.48	178.56	0.90	0.752	0.995	0.686	1.411	1.88	0.00	0.00
27.395	56.568	0.549	3384.4	2174.1	51.169	1.000	2.14		Sand	96.0		1.8	96.24	0.99	95.31	178.34	0.90	0.752	0.994	0.680	1.395	1.86	0.00	0.00
27.559	48.331	0.753	3404.9	2184.4	43.377	1.615	2.32		Sand	96.0	53.47	1.8	96.25	0.99	95.15	178.13	0.90	0.752	0.993	0.675	1.380	1.84	0.00	0.00
27.723	35.892	0.803	3425.4	2194.7	31.721	2.349	2.53		Sand	96.0			33.92	0.98	33.31	97.20	0.89	0.752	0.996	0.134	0.166	0.22	0.03	0.07
27.887	23.065	0.578	3445.9	2204.9	19.359	2.708	2.74		Clay	96.0			21.80	0.99	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	14.930	0.481	3466.4	2215.2	11.915	3.645	2.98		Clay	100.0			14.11	0.99	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	10.443	0.451	3486.9	2225.5	7.818	5.184	3.22		Clay	100.0			9.87	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	8.339	0.188	3507.4	2235.7	5.891	2.855	3.18		Clay	100.0			7.88	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	7.813	0.182	3527.9	2246.0	5.387	3.009	3.22		Clay	100.0			7.38	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	7.884	0.187	3548.4	2256.3	5.416	3.061	3.22		Clay	100.0			7.45	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	8.040	0.214	3568.9	2266.5	5.520	3.421	3.24		Clay	100.0			7.60	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	8.202	0.219	3589.4	2276.8	5.628	3.418	3.24		Clay	100.0			7.75	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	8.326	0.217	3609.9	2287.1	5.703	3.328	3.22		Clay	100.0			7.87	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	8.359	0.208	3630.5	2297.4	5.697	3.179	3.21		Clay	100.0			7.90	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	8.173	0.198	3651.0	2307.7	5.501	3.119	3.22		Clay	100.0			7.72	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	8.051	0.192	3671.5	2317.9	5.363	3.089	3.23		Clay	100.0			7.61	0.98	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	7.998	0.179	3692.0	2328.2	5.285	2.910	3.22		Clay	100.0			7.56	0.98	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	8.175	0.186	3712.5	2338.5	5.404	2.944	3.22		Clay	100.0			7.73	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	8.453	0.219	3733.0	2348.7	5.609	3.325	3.23		Clay	100.0			7.99	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	8.820	0.251	3753.5	2359.0	5.887	3.615	3.23		Clay	100.0			8.34	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	9.148	0.273	3774.0	2369.3	6.129	3.760	3.23		Clay	100.0			8.65	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	9.330	0.300	3794.5	2379.5	6.247	4.036	3.24		Clay	100.0			8.82	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	9.345	0.288	3815.0	2389.8	6.224	3.872	3.23		Clay	100.0			8.83	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	8.998	0.253	3835.5	2400.1	5.900	3.573	3.23		Clay	100.0			8.50	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	8.735	0.240	3856.0	2410.3	5.648	3.526	3.24		Clay	100.0			8.26	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	8.736	0.259	3876.5	2420.6	5.617	3.810	3.26		Clay	100.0			8.26	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	8.985	0.286	3897.0	2430.8	5.789	4.065	3.27		Clay	100.0			8.49	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	9.168	0.198	3917.5	2441.1	5.907	2.746	3.17		Clay	100.0			8.67	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	9.357	0.237	3938.0	2451.4	6.028	3.208	3.20		Clay	100.0			8.84	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	9.577	0.270	3958.5	2461.6	6.173	3.554	3.21		Clay	100.0			9.05	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	9.804	0.282	3979.0	2471.9	6.323	3.609	3.21		Clay	100.0			9.27	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	9.770	0.274	3999.5	2482.2	6.261	3.526	3.20		Clay	100.0			9.23	0.96	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	9.719	0.274	4020.0	2492.4	6.186	3.554	3.21		Clay	100.0			9.19	0.96	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	9.462	0.287	4040.5	2502.7	5.947	3.857	3.24		Clay	100.0			8.94	0.96	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	9.224	0.258	4061.0	2513.0	5.725	3.587	3.24		Clay	100.0			8.72	0.96	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	9.243	0.243	4081.5	2523.2	5.709	3.374	3.23		Clay	100.0			8.74	0.95	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	9.564	0.275	4102.0	2533.5	5.931	3.660	3.23		Clay	100.0			9.04	0.95	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	9.911	0.304	4122.6	2543.8	6.172	3.873	3.23		Clay	100.0			9.37	0.95	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	9.699	0.265	4143.1	2554.1	5.973	3.474	3.22		Clay	100.0			9.17	0.95	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	9.188	0.233	4163.6	2564.4	5.542	3.279	3.23		Clay	100.0			8.68	0.95	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	8.717	0.185	4184.1	2574.6	5.146	2.792	3.22		Clay	100.0			8.24	0.95	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	8.755	0.170	4204.6	2584.9	5.147	2.555	3.20		Clay	100.0			8.28	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	9.151	0.125	4225.1	2595.2	5.424	1.776	3.11		Clay	100.0			8.65	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	9.731	0.134	4245.6	2605.4	5.840	1.761	3.08		Clay	100.0			9.20	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	10.554	0.138	4266.1	2615.7	6.439	1.639	3.02		Clay	100.0			9.98	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	11.946	0.149	4286.6	2626.0	7.466	1.520	2.95		Clay	99.1			11.29	0.94	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	14.021	0.189	4307.1	2636.2	9.003	1.593	2.89		Clay	94.2			13.25	0.94	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	16.334	0.241	4327.6	2646.5	10.709	1.701	2.84		Clay	90.1			15.44	0.94	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	18.187	0.316	4348.1	2656.8	12.054	1.973	2.83		Clay	89.3			17.19	0.94	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	19.273	0.371	4368.6	2667.0	12.815	2.171	2.83		Clay	89.3			18.22	0.94	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	20.324	0.443	4389.1	2677.3	13.543	2.444	2.84		Clay	90.0			19.21	0.94	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	21.819	0.472	4409.6	2687.6	14.596	2.406	2.81		Clay	87.6			20.62	0.94	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	24.242	0.524	4430.1	2697.8	16.329	2.379	2.76		Clay	84.2			22.91	0.94	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	27.403	0.640	4450.6	2708.1	18.594	2.542	2.74		Clay	81.9			25.90	0.94	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	30.230	0.711	4471.1	2718.4	20.596	2.540	2.70		Clay	79.0			28.57	0.94	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	32.447	0.814	4491.6	2728.6	22.136	2.695	2.69		Clay	78.3			30.67	0.94	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	33.257	0.838	4512.1	2738.9	22.637	2.703	2.68		Clay	77.7			31.43	0.93	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	33.307	0.898	4532.6	2749.2	22.582	2.893	2.70		Clay	79.2			31.48	0.93	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	32.710	0.886	4553.1	2759.4	22.058	2.911	2.71		Clay	80.0			30.92	0.93	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	33.731	0.967	4573.6	2769.7	22.706	3.075	2.72		Clay	80.4			31.88	0.93	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	37.184	1.245	4594.1	2780.0	25.099	3.569	2.73		Clay	81.0			35.15	0.93	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	41.195	1.370	4614.8	2790.3	27.873	3.523	2.69		Clay	78.0			38.94	0.93	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	41.035	1.654	4635.3	2800.6	27.650	4.272	2.75		Clay	82.7			38.79	0.93	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	38.930	1.804	4655.8	2810.8	26.044	4.929	2.81		Clay	87.6			36.80	0.93	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	36.715	1.903	4676.3	2821.1	24.371	5.536	2.86		Clay	92.0			34.70	0.93	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	35.501	1.825	4696.8	2831.4	23.418	5.505	2.87		Clay	92.9			33.55	0.93	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	33.461	1.798	4717.3	2841.6	21.891	5.781	2.91		Clay	95.7			31.63	0.93	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	1

PGA (A_{max})	0.76

Total Settlement:	1.37	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{H1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_α for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	30.145	1.487	4737.8	2851.9	19.479	5.354	2.92		Clay	96.9			28.49	0.92	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	28.397	1.287	4758.3	2862.2	18.181	4.947	2.92		Clay	96.9			26.84	0.92	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	27.572	1.214	4778.8	2872.4	17.534	4.821	2.93		Clay	97.3			26.06	0.92	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	26.875	1.112	4799.3	2882.7	16.981	4.543	2.92		Clay	96.8			25.40	0.92	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	25.347	1.152	4819.8	2893.0	15.857	5.022	2.97		Clay	100.0			23.96	0.92	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	22.635	1.070	4840.3	2903.2	13.926	5.293	3.03		Clay	100.0			21.39	0.92	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	20.040	1.034	4860.8	2913.5	12.088	5.872	3.11		Clay	100.0			18.94	0.92	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	17.606	0.984	4881.3	2923.8	10.374	6.488	3.19		Clay	100.0			16.64	0.92	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	15.632	0.871	4901.8	2934.0	8.985	6.608	3.24		Clay	100.0			14.78	0.92	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	14.070	0.774	4922.3	2944.3	7.886	6.667	3.29		Clay	100.0			13.30	0.92	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	12.686	0.652	4942.8	2954.6	6.914	6.383	3.32		Clay	100.0			11.99	0.92	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	11.255	0.484	4963.3	2964.8	5.918	5.517	3.34		Clay	100.0			10.64	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	9.854	0.367	4983.8	2975.1	4.949	4.985	3.37		Clay	100.0			9.31	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	8.837	0.262	5004.3	2985.4	4.244	4.136	3.38		Clay	100.0			8.35	0.91	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	8.480	0.222	5024.8	2995.6	3.984	3.720	3.38		Clay	100.0			8.02	0.91	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	8.597	0.211	5045.3	3005.9	4.042	3.474	3.36		Clay	100.0			8.13	0.91	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	8.937	0.201	5065.8	3016.2	4.247	3.139	3.32		Clay	100.0			8.45	0.91	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	9.101	0.225	5086.3	3026.4	4.334	3.431	3.33		Clay	100.0			8.60	0.91	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	8.921	0.192	5106.9	3036.8	4.194	3.015	3.32		Clay	100.0			8.43	0.91	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	8.565	0.172	5127.4	3047.0	3.939	2.866	3.33		Clay	100.0			8.10	0.91	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	8.182	0.101	5147.9	3057.3	3.669	1.801	3.26		Clay	100.0			7.73	0.91	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	8.114	0.111	5168.4	3067.6	3.605	2.007	3.29		Clay	100.0			7.67	0.91	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	8.264	0.119	5188.9	3077.8	3.684	2.099	3.29		Clay	100.0			7.81	0.91	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	8.508	0.117	5209.4	3088.1	3.823	1.982	3.26		Clay	100.0			8.04	0.91	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	8.644	0.115	5229.9	3098.4	3.892	1.907	3.25		Clay	100.0			8.17	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	8.707	0.112	5250.4	3108.6	3.913	1.842	3.24		Clay	100.0			8.23	0.90	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	8.853	0.138	5270.9	3118.9	3.987	2.220	3.27		Clay	100.0			8.37	0.90	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	9.009	0.140	5291.4	3129.2	4.067	2.200	3.26		Clay	100.0			8.52	0.90	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	8.977	0.128	5311.9	3139.4	4.027	2.025	3.25		Clay	100.0			8.48	0.90	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	8.722	0.129	5332.4	3149.7	3.845	2.130	3.27		Clay	100.0			8.24	0.90	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	8.592	0.179	5352.9	3160.0	3.744	3.026	3.36		Clay	100.0			8.12	0.90	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	8.774	0.166	5373.4	3170.2	3.840	2.727	3.33		Clay	100.0			8.29	0.90	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	10.004	0.218	5393.9	3180.5	4.595	2.983	3.28		Clay	100.0			9.46	0.90	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	11.891	0.250	5414.4	3190.8	5.757	2.722	3.18		Clay	100.0			11.24	0.90	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	16.705	0.556	5434.9	3201.0	8.739	3.975	3.12		Clay	100.0			15.79	0.90	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	24.384	0.975	5455.4	3211.3	13.488	4.502	3.00		Clay	100.0			23.05	0.90	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	31.316	1.223	5475.9	3221.6	17.742	4.280	2.89		Clay	94.3			29.60	0.90	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.291	35.515	1.255	5496.4	3231.8	20.278	3.830	2.82		Clay	88.3			33.57	0.89	n.a.	n.a.	0.81	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.455	36.742	1.650	5516.9	3242.1	20.964	4.855	2.87		Clay	92.8			34.73	0.89	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.619	38.003	1.652	5537.4	3252.3	21.667	4.689	2.85		Clay	91.1			35.92	0.89	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	40.038	1.383	5557.9	3262.6	22.840	3.712	2.77		Clay	84.4			37.84	0.89	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	41.517	1.883	5578.5	3272.9	23.665	4.862	2.83		Clay	89.7			39.24	0.89	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	37.833	1.537	5599.0	3283.2	21.341	4.387	2.84		Clay	90.0			35.76	0.89	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	32.954	1.470	5619.5	3293.5	18.305	4.877	2.92		Clay	96.4			31.15	0.89	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	28.065	1.452	5640.0	3303.7	15.283	5.752	3.02		Clay	100.0			26.53	0.89	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	36.017	1.754	5660.5	3314.0	20.028	5.285	2.91		Clay	95.9			34.04	0.89	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	50.785	1.794	5681.0	3324.3	28.845	3.742	2.69		Clay	78.5			48.00	0.89	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.932	64.391	1.564	5701.5	3334.5	46.335	2.541	2.43		Sand	57.2	66.23	1.8	119.21	0.85	101.15	177.21	0.80	0.712	0.906	0.651	1.206	1.70	0.00	0.00
46.096	70.069	1.049	5722.0	3344.8	50.525	1.561	2.26		Sand	44.0		1.8	119.21	0.84	100.52	169.62	0.80	0.711	0.912	0.497	0.874	1.23	0.00	0.01
46.260	60.116	1.124	5742.5	3355.1	42.969	1.963	2.38		Sand	53.4	66.23	1.8	119.21	0.85	100.79	175.12	0.80	0.711	0.907	0.602	1.098	1.55	0.00	0.00
46.424	47.973	1.414	5763.0	3365.3	26.798	3.136	2.67		Clay	76.4			45.34	0.88	n.a.	n.a.	0.79	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.588	33.109	1.388	5783.5	3375.6	17.903	4.593	2.91		Clay	95.7			31.29	0.88	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.752	25.189	1.084	5804.0	3385.9	13.165	4.864	3.03		Clay	100.0			23.81	0.88	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.916	19.334	0.710	5824.5	3396.1	9.671	4.324	3.10		Clay	100.0			18.27	0.88	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.080	15.852	0.507	5845.0	3406.4	7.591	3.921	3.16		Clay	100.0			14.98	0.88	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.244	14.183	0.372	5865.5	3416.7	6.585	3.307	3.17		Clay	100.0			13.41	0.88	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.408	13.416	0.367	5886.0	3426.9	6.112	3.504	3.21		Clay	100.0			12.68	0.88	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	13.730	0.431	5906.5	3437.2	6.271	3.999	3.23		Clay	100.0			12.98	0.88	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	15.997	0.618	5927.0	3447.5	7.561	4.742	3.21		Clay	100.0			15.12	0.88	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	19.166	0.796	5947.5	3457.7	9.366	4.916	3.15		Clay	100.0			18.12	0.88	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	20.287	0.527	5968.0	3468.0	9.979	3.046	3.00		Clay	100.0			19.17	0.88	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	19.190	0.573	5988.5	3478.3	9.313	3.538	3.06		Clay	100.0			18.14	0.88	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	16.053	0.483	6009.0	3488.5	7.481	3.702	3.15		Clay	100.0			15.17	0.88	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	13.798	0.364	6029.5	3498.8	6.164	3.376	3.20		Clay	100.0			13.04	0.88	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	11.866	0.229	6050.0	3509.1	5.039	2.590	3.21		Clay	100.0			11.22	0.88	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	11.197	0.197	6070.6	3519.4	4.638	2.414	3.23		Clay	100.0			10.58	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	11.446	0.222	6091.1	3529.7	4.760	2.643	3.24		Clay	100.0			10.82	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	1

PGA (A_{max})	0.76

Total Settlement:	1.37	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{cl})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	12.323	0.281	6111.6	3539.9	5.236	3.032	3.23		Clay	100.0			11.65	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	13.726	0.364	6132.1	3550.2	6.005	3.415	3.21		Clay	100.0			12.97	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	14.958	0.448	6152.6	3560.5	6.674	3.771	3.20		Clay	100.0			14.14	0.87	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	15.917	0.410	6173.1	3570.7	7.186	3.196	3.13		Clay	100.0			15.04	0.87	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	18.244	0.420	6193.6	3581.0	8.460	2.773	3.04		Clay	100.0			17.24	0.87	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	20.398	0.430	6214.1	3591.3	9.629	2.487	2.97		Clay	100.0			19.28	0.87	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00

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CPT No. 2

PGA (A_{max}) 0.76

Total Settlement: 2.59 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	10.612	0.357	610.2	610.2	33.782	3.464	2.62		Clay	72.6			10.03	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	15.970	0.296	629.9	629.9	27.121	1.891	2.53	plastic	Clay	65.2			15.09	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	15.986	0.272	649.6	649.6	26.717	1.737	2.51	plastic	Clay	63.9			15.11	1.37	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	15.942	0.294	669.2	669.2	26.231	1.884	2.54	plastic	Clay	66.1			15.07	1.35	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	15.248	0.309	688.9	688.9	24.688	2.073	2.58	plastic	Clay	69.7			14.41	1.34	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	14.135	0.249	708.7	708.7	22.506	1.807	2.58	plastic	Clay	69.5			13.36	1.33	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	13.149	0.195	728.4	728.4	20.596	1.525	2.57	plastic	Clay	68.8			12.43	1.32	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	12.430	0.167	748.1	748.1	19.165	1.385	2.58	plastic	Clay	69.1			11.75	1.32	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	12.154	0.144	767.8	767.8	18.469	1.223	2.56	plastic	Clay	68.0			11.49	1.31	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	12.063	0.143	787.4	787.4	18.080	1.225	2.57	plastic	Clay	68.6			11.40	1.30	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	12.000	0.144	807.1	807.1	17.747	1.242	2.58	plastic	Clay	69.4			11.34	1.29	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	11.646	0.141	826.8	826.8	16.984	1.255	2.60	plastic	Clay	70.9			11.01	1.28	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	10.928	0.146	846.5	846.5	18.855	1.390	2.58	plastic	Clay	69.7			10.33	1.27	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	10.145	0.109	866.2	866.2	17.154	1.122	2.57	plastic	Clay	68.7			9.59	1.27	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	9.707	0.092	885.8	885.8	16.108	0.993	2.57	plastic	Clay	68.6			9.17	1.26	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	10.199	0.079	905.5	905.5	14.082	0.811	2.58	plastic	Clay	69.5			9.64	1.25	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	11.112	0.093	925.2	925.2	15.222	0.873	2.57	plastic	Clay	68.2			10.50	1.24	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	12.240	0.113	944.9	944.9	16.644	0.960	2.55	plastic	Clay	67.0			11.57	1.24	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	12.842	0.142	964.6	964.6	17.303	1.149	2.57	plastic	Clay	68.8			12.14	1.23	n.a.	n.a.	0.98	0.602	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.202	13.593	0.171	984.2	984.2	18.156	1.305	2.58	plastic	Clay	69.6			12.85	1.22	n.a.	n.a.	0.98	0.606	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.366	14.343	0.203	1003.9	1003.9	18.993	1.467	2.59	plastic	Clay	70.4			13.56	1.22	n.a.	n.a.	0.98	0.610	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.530	14.856	0.245	1023.6	1023.6	22.540	1.708	2.57	plastic	Clay	68.4			14.04	1.21	n.a.	n.a.	0.98	0.614	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.694	14.539	0.261	1043.3	1043.3	21.735	1.862	2.60	plastic	Clay	71.1			13.74	1.21	n.a.	n.a.	0.98	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.858	13.427	0.245	1063.0	1063.0	19.736	1.900	2.64	plastic	Clay	74.3			12.69	1.20	n.a.	n.a.	0.98	0.622	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.022	12.809	0.191	1082.6	1082.6	18.535	1.557	2.62	plastic	Clay	72.3			12.11	1.19	n.a.	n.a.	0.98	0.626	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.186	12.654	0.162	1102.3	1102.3	18.057	1.339	2.59	plastic	Clay	70.3			11.96	1.19	n.a.	n.a.	0.98	0.630	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.350	12.798	0.187	1122.0	1122.0	18.032	1.528	2.62	plastic	Clay	72.7			12.10	1.18	n.a.	n.a.	0.98	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.514	12.385	0.171	1141.7	1141.7	17.199	1.447	2.63	plastic	Clay	73.1			11.71	1.18	n.a.	n.a.	0.98	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.678	12.427	0.152	1161.4	1161.4	17.040	1.283	2.60	plastic	Clay	71.2			11.75	1.17	n.a.	n.a.	0.98	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.843	12.790	0.146	1181.2	1181.2	17.342	1.197	2.58	plastic	Clay	69.5			12.09	1.17	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	12.965	0.161	1200.8	1200.8	17.375	1.302	2.60	plastic	Clay	70.9			12.25	1.16	n.a.	n.a.	0.97	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.171	12.763	0.160	1220.5	1220.5	16.884	1.317	2.61	plastic	Clay	72.0			12.06	1.16	n.a.	n.a.	0.97	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.335	12.291	0.135	1240.2	1240.2	16.034	1.157	2.60	plastic	Clay	71.3			11.62	1.15	n.a.	n.a.	0.97	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.499	12.184	0.114	1259.9	1259.9	15.699	0.987	2.58	plastic	Clay	69.2			11.52	1.15	n.a.	n.a.	0.97	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.663	11.967	0.114	1279.6	1279.6	15.225	1.006	2.59	plastic	Clay	70.5			11.31	1.14	n.a.	n.a.	0.97	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.827	11.620	0.111	1299.2	1299.2	14.589	1.012	2.61	plastic	Clay	71.9			10.98	1.14	n.a.	n.a.	0.97	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.991	11.311	0.115	1318.9	1318.9	14.016	1.080	2.64	plastic	Clay	74.2			10.69	1.13	n.a.	n.a.	0.97	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.155	11.181	0.106	1338.6	1338.6	13.690	1.008	2.63	plastic	Clay	73.8			10.57	1.13	n.a.	n.a.	0.97	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.319	11.590	0.109	1358.3	1358.3	14.065	0.999	2.62	plastic	Clay	72.8			10.95	1.12	n.a.	n.a.	0.97	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.483	12.632	0.109	1378.0	1378.0	15.241	0.913	2.57	plastic	Clay	68.9			11.94	1.12	n.a.	n.a.	0.97	0.671	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.647	13.937	0.130	1397.6	1397.6	15.396	0.982	2.58	plastic	Clay	69.8			13.17	1.12	n.a.	n.a.	0.97	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.811	14.412	0.156	1417.3	1417.3	17.146	1.138	2.57	plastic	Clay	69.0			13.62	1.11	n.a.	n.a.	0.97	0.676	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.975	14.218	0.170	1437.0	1437.0	16.729	1.259	2.61	plastic	Clay	71.5			13.44	1.11	n.a.	n.a.	0.97	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.139	13.947	0.150	1457.4	1448.7	16.288	1.135	2.59	plastic	Clay	70.5			13.18	1.11	n.a.	n.a.	0.97	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.303	15.253	0.159	1477.9	1459.0	16.521	1.095	2.58	plastic	Clay	69.4			14.42	1.10	n.a.	n.a.	0.97	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.467	16.264	0.169	1498.4	1469.2	17.598	1.089	2.56	plastic	Clay	67.4			15.37	1.10	n.a.	n.a.	0.97	0.685	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.631	16.809	0.183	1518.9	1479.5	18.142	1.140	2.55	plastic	Clay	67.3			15.89	1.10	n.a.	n.a.	0.96	0.687	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.795	16.718	0.183	1539.4	1489.8	17.965	1.147	2.56	plastic	Clay	67.7			15.80	1.10	n.a.	n.a.	0.96	0.689	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.959	19.406	0.172	1559.9	1500.0	20.909	0.923	2.45	plastic	Clay	59.4	44.62		44.62	1.10	n.a.	n.a.	0.96	0.691	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.123	25.739	0.199	1580.4	1510.3	27.912	0.798	2.31	plastic	Clay	48.1	44.62		44.62	1.09	n.a.	n.a.	0.96	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.287	32.715	0.328	1600.9	1520.6	35.584	1.028	2.28	plastic	Clay	45.4	44.62		44.62	1.09	n.a.	n.a.	0.96	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.451	37.919	0.505	1621.4	1530.8	41.236	1.361	2.30	plastic	Clay	46.7	44.62		44.62	1.09	n.a.	n.a.	0.96	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.615	40.862	0.658	1641.9	1541.1	44.347	1.643	2.32		Sand	48.6	44.62		44.62	1.16	51.87	111.02	0.96	0.698	1.037	0.154	0.211	0.30	0.03	0.06
13.780	43.817	0.703	1662.5	1551.4	47.449	1.635	2.30		Sand	46.7	44.62		44.62	1.16	51.74	109.95	0.96	0.700	1.036	0.152	0.207	0.30	0.03	0.06
13.944	46.522	0.684	1683.0	1561.7	50.258	1.497	2.25		Sand	43.2	44.62		44.62	1.16	51.64	108.00	0.96	0.702	1.034	0.149	0.201	0.29	0.03	0.06
14.108	47.207	0.560	1703.5	1572.0	50.834	1.208	2.19		Sand	38.4			44.62	1.16	51.58	104.84	0.96	0.704	1.033	0.144	0.191	0.27	0.03	0.06
14.272	43.924	0.438	1724.0	1582.2	47.069	1.017	2.18		Sand	37.1			41.52	1.16	48.00	99.49	0.96	0.705	1.031	0.137	0.177	0.25	0.03	0.06
14.436	38.635	0.418	1744.5	1592.5	41.143	1.107	2.25		Sand	42.6			36.52	1.16	42.18	95.85	0.96	0.707	1.029	0.132	0.169	0.24	0.03	0.07
14.600	33.567	0.471	1765.0	1602.8	35.496	1.441	2.36		Sand	52.1			31.73	1.15	36.60	93.09	0.96	0.708	1.028	0.129	0.163	0.23	0.03	0.07
14.764	31.843	0.571	1785.5	1613.0	33.505	1.845	2.45		Sand	58.8			30.10	1.15	34.61	92.70	0.96	0.710	1.027	0.129	0.162	0.23	0.03	0.07
14.928	35.532	0.738	1806.0	1623.3	37.369	2.131	2.45		Sand	58.9			33.58	1.14	38.38	97.56	0.96	0.711	1.028	0.134	0.172	0.24	0.03	0.06
15.092	40.718	0.732	1826.5	1633.6	42.819	1.839	2.36		Sand	52.0			38.49	1.14	43.73	102.12	0.95	0.713	1.028	0.140	0.183	0.26	0.03	0.06
15.256	44.958	0.529	1847.0	1643.8	47.221	1.201	2.22		Sand	40.3			42.49	1.13	48.14	101.90	0.95	0.714	1.027	0.140	0.183	0.26	0.03	0.06
15.420	45.080	0.294	1867.5	1654.1	47.194	0.666	2.08		Sand	29.2			42.61	1.14	48.37	92.52	0.95	0.715	1.025	0.128	0.161	0.23	0.03	0.07
15.584	43.220	0.396	1888.0	1664.4	45.055	0.937	2.17		Sand	36.8			40.85	1.13	46.12	96.92	0.95	0.717	1.025	0.133	0.170	0.24	0.03	0.07
15.748	39.109	0.363	1908.5	1674.6	40.538	0.951	2.21		Sand	40.2			36.97	1.13	41.67	93.75	0.95	0.718	1.024	0.130	0.163	0.23	0.03	0.07
15.912	33.454	0.227	1929.0	1684.9	34.414	0.699	2.21		Sand	39.5			31.62	1.13	35.69	85.94	0.95	0.719	1.022	0.121	0.149	0.21	0.04	0.07
16.076	28.132	0.338	1949.5	1695.2	28.678	1.245	2.40		Sand	55.3			26.59	1.13	29.92	85.68	0.95	0.720	1.021	0.121	0.148	0.21	0.04	0.07

CORNERSTONE EARTH GROUP

CPT No. 2

PGA (A_{max}) 0.76

Total Settlement: 2.59 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	Ic	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{σ})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	25.653	0.459	1970.0	1705.4	25.971	1.861	2.54		Sand	66.1			24.25	1.12	27.20	84.97	0.95	0.721	1.020	0.120	0.147	0.20	0.04	0.07
16.404	26.450	0.580	1990.5	1715.7	26.719	2.279	2.58		Sand	69.5			25.00	1.12	27.94	86.60	0.95	0.723	1.020	0.122	0.150	0.21	0.04	0.07
16.568	31.065	0.591	2011.0	1726.0	31.459	1.966	2.49		Sand	61.9			29.36	1.11	32.64	90.99	0.95	0.724	1.020	0.127	0.157	0.22	0.04	0.07
16.732	37.786	0.542	2031.5	1736.2	38.368	1.474	2.34		Sand	50.4			35.71	1.11	39.48	96.09	0.95	0.725	1.020	0.132	0.168	0.23	0.03	0.07
16.896	43.395	0.455	2052.0	1746.5	44.080	1.074	2.21		Sand	40.1			41.02	1.10	45.17	98.03	0.95	0.726	1.020	0.135	0.172	0.24	0.03	0.06
17.060	44.837	0.555	2072.5	1756.8	45.436	1.267	2.24		Sand	42.5			42.38	1.10	46.47	101.14	0.95	0.727	1.020	0.139	0.179	0.25	0.03	0.06
17.224	42.253	0.780	2093.0	1767.0	42.620	1.893	2.37		Sand	52.8			39.94	1.09	43.65	102.30	0.95	0.728	1.020	0.140	0.182	0.25	0.03	0.06
17.388	36.904	0.910	2113.5	1777.3	36.970	2.539	2.50		Sand	63.1			34.88	1.09	38.07	98.27	0.94	0.729	1.018	0.135	0.172	0.24	0.03	0.06
17.552	32.904	0.922	2134.0	1787.6	32.740	2.896	2.58		Sand	69.3			31.10	1.09	33.90	94.26	0.94	0.730	1.017	0.130	0.163	0.22	0.03	0.07
17.717	33.390	1.038	2154.6	1797.9	34.231	3.212	2.59		Mixed	70.5			31.56	1.09	34.29	95.00	0.94	0.731	1.017	0.131	0.165	0.23	0.03	0.07
17.881	40.798	1.213	2175.1	1808.2	40.603	3.055	2.52		Sand	64.9			38.56	1.08	41.66	103.31	0.94	0.731	1.017	0.142	0.184	0.25	0.03	0.06
18.045	47.626	1.172	2195.6	1818.4	47.440	2.519	2.42		Sand	56.4			45.02	1.08	48.39	109.59	0.94	0.732	1.017	0.151	0.203	0.28	0.03	0.06
18.209	51.165	0.926	2216.1	1828.7	50.894	1.850	2.31		Sand	47.5			48.36	1.07	51.84	110.48	0.94	0.733	1.017	0.153	0.205	0.28	0.03	0.06
18.373	48.533	0.853	2236.6	1838.9	48.073	1.799	2.32		Sand	48.4	48.36		48.36	1.07	51.70	110.71	0.94	0.734	1.016	0.153	0.206	0.28	0.03	0.06
18.537	47.240	0.968	2257.1	1849.2	46.622	2.099	2.37		Sand	52.7	48.36		48.36	1.07	51.54	112.28	0.94	0.735	1.016	0.156	0.211	0.29	0.03	0.06
18.701	46.924	0.832	2277.6	1859.5	46.164	1.817	2.33		Sand	49.7	48.36		48.36	1.06	51.42	110.94	0.94	0.735	1.015	0.154	0.206	0.28	0.03	0.06
18.865	47.258	1.001	2298.1	1869.7	46.362	2.171	2.38		Sand	53.6	48.36		48.36	1.06	51.27	112.28	0.94	0.736	1.014	0.156	0.211	0.29	0.03	0.06
19.029	45.620	1.097	2318.6	1880.0	44.583	2.467	2.43		Sand	57.6	48.36		48.36	1.06	51.12	113.43	0.94	0.737	1.014	0.158	0.215	0.29	0.03	0.06
19.193	37.742	0.724	2339.1	1890.3	36.573	1.980	2.44		Sand	57.9	48.36		48.36	1.05	50.99	113.38	0.94	0.738	1.013	0.158	0.214	0.29	0.03	0.06
19.357	27.792	0.615	2359.6	1900.5	26.541	2.311	2.59		Sand	70.0	48.36		48.36	1.05	50.83	116.25	0.94	0.738	1.013	0.163	0.225	0.30	0.03	0.05
19.521	18.093	0.566	2380.1	1910.8	17.692	3.349	2.83		Clay	89.0			17.10	1.03	n.a.	n.a.	0.93	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.685	14.195	0.443	2400.6	1921.1	13.529	3.409	2.92		Clay	96.8			13.42	1.03	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	13.023	0.316	2421.1	1931.3	12.232	2.675	2.90		Clay	94.7			12.31	1.02	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	12.855	0.220	2441.6	1941.6	11.984	1.891	2.82		Clay	88.7			12.15	1.02	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	13.298	0.206	2462.1	1951.9	12.364	1.707	2.79		Clay	85.9			12.57	1.02	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	13.185	0.149	2482.6	1962.1	12.174	1.248	2.72		Clay	80.9			12.46	1.02	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	14.296	0.192	2503.1	1972.4	13.227	1.472	2.73		Clay	81.2			13.51	1.02	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	26.636	0.394	2523.6	1982.7	24.776	1.553	2.51	plastic	Clay	63.8			25.18	1.02	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	40.258	0.794	2544.1	1992.9	37.969	2.037	2.43	plastic	Clay	57.5			38.05	1.02	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	52.395	1.327	2564.6	2003.2	49.652	2.596	2.41	plastic	Clay	56.0			49.52	1.01	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	53.588	1.574	2585.1	2013.5	50.671	3.010	2.45		Sand	59.0	52.34	1.6	83.74	1.02	85.39	157.69	0.93	0.744	1.009	0.349	0.620	0.83	0.01	0.02
21.325	55.156	1.763	2605.6	2023.7	52.048	3.274	2.47		Sand	60.3	52.34	1.6	83.74	1.02	85.21	157.94	0.93	0.745	1.008	0.351	0.625	0.84	0.01	0.02
21.490	55.376	1.486	2626.3	2034.1	52.118	2.749	2.41		Sand	56.1		1.6	83.74	1.02	85.05	156.22	0.93	0.745	1.007	0.336	0.589	0.79	0.01	0.03
21.654	54.603	1.155	2646.8	2044.3	51.234	2.168	2.35		Sand	51.0	52.34	1.6	83.74	1.01	84.90	153.85	0.92	0.746	1.006	0.316	0.545	0.73	0.02	0.03
21.818	49.555	0.982	2667.3	2054.6	46.254	2.036	2.37		Sand	52.2	52.34	1.6	83.74	1.01	84.73	154.21	0.92	0.746	1.005	0.319	0.551	0.74	0.02	0.03
21.982	42.140	0.574	2687.8	2064.9	39.034	1.407	2.32		Sand	48.9	52.34	1.6	83.74	1.01	84.57	152.44	0.92	0.747	1.004	0.305	0.521	0.70	0.02	0.04
22.146	34.118	0.784	2708.3	2075.1	31.271	2.393	2.54		Sand	66.3	52.34	1.6	83.74	1.01	84.38	158.63	0.92	0.747	1.003	0.358	0.637	0.85	0.01	0.02
22.310	27.100	0.556	2728.8	2085.4	24.503	2.160	2.60		Sand	70.8	52.34	1.6	83.74	1.01	84.22	159.56	0.92	0.747	1.003	0.367	0.657	0.88	0.01	0.02
22.474	21.308	0.369	2749.3	2095.7	19.023	1.851	2.65		Clay	74.8			20.14	1.00	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	15.381	0.210	2769.8	2105.9	13.292	1.500	2.73		Clay	81.4			14.54	1.00	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	11.946	0.198	2790.3	2116.2	9.972	1.877	2.89		Clay	94.0			11.29	1.00	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	11.065	0.170	2810.8	2126.5	9.085	1.760	2.91		Clay	95.6			10.46	1.00	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	11.172	0.194	2831.3	2136.7	9.132	1.988	2.93		Clay	97.6			10.56	1.00	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	11.379	0.225	2851.8	2147.0	9.272	2.261	2.96		Clay	99.5			10.76	1.00	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	11.712	0.248	2872.3	2157.3	9.527	2.413	2.96		Clay	100.0			11.07	0.99	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	12.266	0.273	2892.8	2167.5	9.983	2.523	2.96		Clay	99.4			11.59	0.99	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	12.641	0.295	2913.3	2177.8	10.271	2.638	2.96		Clay	99.5			11.95	0.99	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	12.495	0.317	2933.8	2188.1	10.080	2.874	2.98		Clay	100.0			11.81	0.99	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	11.960	0.331	2954.3	2198.3	9.537	3.158	3.03		Clay	100.0			11.30	0.99	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	11.429	0.313	2974.8	2208.6	9.003	3.148	3.05		Clay	100.0			10.80	0.99	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	11.260	0.315	2995.3	2218.9	8.799	3.227	3.06		Clay	100.0			10.64	0.99	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	11.464	0.281	3015.8	2229.1	8.933	2.822	3.02		Clay	100.0			10.84	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	11.845	0.270	3036.3	2239.4	9.223	2.615	2.99		Clay	100.0			11.20	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	12.429	0.192	3056.8	2249.7	9.691	1.761	2.88		Clay	93.7			11.75	0.98	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	13.682	0.189	3077.3	2259.9	10.747	1.556	2.82		Clay	88.4			12.93	0.98	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	14.494	0.218	3097.8	2270.2	11.404	1.684	2.81		Clay	88.1			13.70	0.98	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	15.239	0.283	3118.4	2280.5	11.997	2.069	2.84		Clay	90.3			14.40	0.98	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	15.262	0.261	3138.9	2290.8	11.954	1.906	2.82		Clay	88.9			14.43	0.98	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	15.533	0.270	3159.4	2301.1	12.128	1.935	2.82		Clay	88.8			14.68	0.98	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	15.475	0.318	3179.9	2311.3	12.015	2.290	2.87		Clay	92.2			14.63	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	15.120	0.377	3200.4	2321.6	11.647	2.789	2.92		Clay	96.9			14.29	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	14.814	0.353	3220.9	2331.9	11.324	2.674	2.92		Clay	96.9			14.00	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	14.625	0.398	3241.4	2342.1	11.105	3.061	2.96		Clay	100.0			13.82	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	14.546	0.371	3261.9	2352.4	10.980	2.873	2.95		Clay	99.2			13.75	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	14.321	0.385	3282.4	2362.7	10.733	3.036	2.97		Clay	100.0			13.54	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	14.066	0.357	3302.9	2372.9	10.463	2.876	2.97		Clay	100.0			13.29	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	13.952	0.399	3323.4	2383.2	10.314	3.246	3.01		Clay	100.0			13.19	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	2

PGA (A_{max})	0.76

Total Settlement:	2.59	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	14.087	0.381	3343.9	2393.5	10.374	3.069	2.99		Clay	100.0			13.31	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	14.053	0.392	3364.4	2403.7	10.293	3.169	3.00		Clay	100.0			13.28	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	13.878	0.403	3384.9	2414.0	10.096	3.307	3.02		Clay	100.0			13.12	0.97	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	13.584	0.389	3405.4	2424.3	9.802	3.274	3.03		Clay	100.0			12.84	0.96	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	13.531	0.390	3425.9	2434.5	9.709	3.300	3.03		Clay	100.0			12.79	0.96	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	13.711	0.377	3446.4	2444.8	9.807	3.145	3.02		Clay	100.0			12.96	0.96	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	13.917	0.373	3466.9	2455.1	9.925	3.062	3.00		Clay	100.0			13.15	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	14.067	0.341	3487.4	2465.3	9.997	2.767	2.98		Clay	100.0			13.30	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	13.990	0.243	3507.9	2475.6	9.885	1.986	2.90		Clay	95.3			13.22	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	14.089	0.248	3528.4	2485.9	9.916	2.012	2.91		Clay	95.4			13.32	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	13.799	0.247	3548.9	2496.1	9.635	2.054	2.92		Clay	96.6			13.04	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	13.280	0.235	3569.4	2506.4	9.173	2.044	2.94		Clay	98.0			12.55	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	12.487	0.228	3589.9	2516.7	8.497	2.132	2.98		Clay	100.0			11.80	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	12.066	0.229	3610.5	2527.0	8.121	2.232	3.00		Clay	100.0			11.40	0.95	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	11.896	0.241	3631.0	2537.3	7.946	2.391	3.03		Clay	100.0			11.24	0.95	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	11.994	0.261	3651.5	2547.5	7.983	2.567	3.04		Clay	100.0			11.34	0.95	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	12.077	0.270	3672.0	2557.8	8.008	2.636	3.05		Clay	100.0			11.41	0.95	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	12.115	0.279	3692.5	2568.1	7.997	2.717	3.05		Clay	100.0			11.45	0.95	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	12.015	0.272	3713.0	2578.3	7.880	2.678	3.06		Clay	100.0			11.36	0.95	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	11.950	0.256	3733.5	2588.6	7.791	2.539	3.05		Clay	100.0			11.29	0.95	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	11.981	0.253	3754.0	2598.9	7.776	2.504	3.05		Clay	100.0			11.32	0.95	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	12.186	0.264	3774.5	2609.1	7.894	2.563	3.04		Clay	100.0			11.52	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	12.604	0.320	3795.0	2619.4	8.175	2.989	3.07		Clay	100.0			11.91	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	13.038	0.382	3815.5	2629.7	8.465	3.432	3.09		Clay	100.0			12.32	0.94	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	13.369	0.421	3836.0	2639.9	8.675	3.677	3.10		Clay	100.0			12.64	0.94	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	13.737	0.420	3856.5	2650.2	8.912	3.557	3.08		Clay	100.0			12.98	0.94	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	14.134	0.429	3877.0	2660.4	9.168	3.518	3.07		Clay	100.0			13.36	0.94	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	14.345	0.415	3897.5	2670.7	9.283	3.348	3.05		Clay	100.0			13.56	0.94	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	14.417	0.342	3918.0	2681.0	9.294	2.745	3.00		Clay	100.0			13.63	0.94	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	14.522	0.325	3938.5	2691.2	9.329	2.589	2.99		Clay	100.0			13.73	0.94	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	14.210	0.322	3959.0	2701.5	9.055	2.633	3.00		Clay	100.0			13.43	0.94	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	13.621	0.282	3979.5	2711.8	8.578	2.425	3.00		Clay	100.0			12.87	0.94	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	12.961	0.205	4000.0	2722.0	8.053	1.870	2.97		Clay	100.0			12.25	0.94	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	13.135	0.193	4020.5	2732.3	8.143	1.735	2.95		Clay	98.7			12.41	0.93	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	14.260	0.210	4041.0	2742.6	8.926	1.716	2.91		Clay	95.7			13.48	0.93	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	15.433	0.217	4061.5	2752.8	9.737	1.619	2.86		Clay	92.1			14.59	0.93	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	16.882	0.227	4082.0	2763.1	10.742	1.530	2.81		Clay	88.2			15.96	0.93	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	18.724	0.268	4102.6	2773.4	12.023	1.607	2.78		Clay	85.7			17.70	0.93	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	20.706	0.291	4123.1	2783.7	13.395	1.561	2.74		Clay	81.9			19.57	0.93	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	22.061	0.328	4143.6	2794.0	14.309	1.641	2.72		Clay	80.9			20.85	0.93	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	22.422	0.373	4164.1	2804.2	14.507	1.834	2.74		Clay	82.5			21.19	0.93	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	22.821	0.396	4184.6	2814.5	14.730	1.910	2.75		Clay	82.8			21.57	0.93	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	23.261	0.440	4205.1	2824.8	14.981	2.080	2.76		Clay	84.0			21.99	0.93	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	23.988	0.439	4225.6	2835.0	15.432	2.007	2.74		Clay	82.4			22.67	0.93	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	25.319	0.493	4246.1	2845.3	16.305	2.125	2.74		Clay	82.0			23.93	0.92	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	27.318	0.523	4266.6	2855.6	17.639	2.077	2.70		Clay	79.3			25.82	0.92	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	29.899	0.617	4287.1	2865.8	19.370	2.223	2.69		Clay	78.0			28.26	0.92	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	33.702	0.751	4307.6	2876.1	21.938	2.380	2.66		Clay	75.9			31.85	0.92	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	40.518	0.976	4328.1	2886.4	26.576	2.545	2.61		Clay	72.0			38.30	0.92	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	47.105	1.427	4348.6	2896.6	31.023	3.176	2.62		Clay	72.8			44.52	0.92	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	50.068	1.978	4369.1	2906.9	32.945	4.131	2.68		Clay	77.4			47.32	0.92	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	49.953	2.152	4389.6	2917.2	32.743	4.506	2.71		Clay	79.6			47.21	0.92	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	48.584	2.016	4410.1	2927.4	31.686	4.347	2.71		Clay	79.6			45.92	0.92	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	47.241	1.772	4430.6	2937.7	30.654	3.936	2.69		Clay	78.1			44.65	0.92	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	44.299	1.585	4451.1	2948.0	28.544	3.767	2.70		Clay	78.9			41.87	0.92	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	39.432	1.574	4471.6	2958.2	25.148	4.232	2.77		Clay	84.9			37.27	0.92	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	35.092	1.576	4492.1	2968.5	22.130	4.798	2.85		Clay	91.1			33.17	0.91	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	30.661	1.343	4512.6	2978.8	19.071	4.728	2.90		Clay	94.6			28.98	0.91	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	27.692	1.218	4533.1	2989.0	17.012	4.790	2.94		Clay	98.0			26.17	0.91	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	24.812	1.040	4553.6	2999.3	15.027	4.615	2.97		Clay	100.0			23.45	0.91	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	22.605	0.955	4574.1	3009.6	13.502	4.700	3.01		Clay	100.0			21.37	0.91	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	21.236	0.784	4594.8	3019.9	12.543	4.140	3.00		Clay	100.0			20.07	0.91	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	20.431	0.699	4615.3	3030.2	11.962	3.857	3.00		Clay	100.0			19.31	0.91	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	19.915	0.652	4635.8	3040.4	11.575	3.705	3.00		Clay	100.0			18.82	0.91	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	19.312	0.644	4656.3	3050.7	11.134	3.792	3.02		Clay	100.0			18.25	0.91	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	18.581	0.556	4676.8	3061.0	10.613	3.423	3.01		Clay	100.0			17.56	0.91	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	17.810	0.500	4697.3	3071.2	10.069	3.234	3.01		Clay	100.0			16.83	0.91	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 2

PGA (A_{max}) 0.76

Total Settlement: 2.59 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{cl})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	16.979	0.382	4717.8	3081.5	9.489	2.613	2.98		Clay	100.0			16.05	0.91	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	16.330	0.277	4738.3	3091.8	9.031	1.984	2.94		Clay	97.9			15.43	0.90	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	16.186	0.277	4758.8	3102.0	8.902	2.006	2.94		Clay	98.6			15.30	0.90	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	16.389	0.273	4779.3	3112.3	8.996	1.950	2.93		Clay	97.7			15.49	0.90	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	16.786	0.295	4799.8	3122.6	9.214	2.051	2.94		Clay	97.9			15.87	0.90	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	17.126	0.313	4820.3	3132.8	9.395	2.127	2.94		Clay	98.0			16.19	0.90	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	17.284	0.315	4840.8	3143.1	9.458	2.119	2.93		Clay	97.8			16.34	0.90	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	17.633	0.347	4861.3	3153.4	9.642	2.283	2.94		Clay	98.6			16.67	0.90	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	18.392	0.341	4881.8	3163.6	10.084	2.138	2.91		Clay	96.0			17.38	0.90	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	19.937	0.422	4902.3	3173.9	11.019	2.413	2.91		Clay	95.7			18.84	0.90	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	21.502	0.463	4922.8	3184.2	11.960	2.432	2.88		Clay	93.5			20.32	0.90	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	22.242	0.559	4943.3	3194.4	12.378	2.827	2.91		Clay	95.5			21.02	0.90	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	22.482	0.601	4963.8	3204.7	12.482	3.005	2.92		Clay	96.5			21.25	0.90	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	22.794	0.574	4984.3	3215.0	12.630	2.827	2.90		Clay	94.9			21.54	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	23.711	0.618	5004.8	3225.2	13.152	2.914	2.89		Clay	94.4			22.41	0.89	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	23.833	0.653	5025.3	3235.5	13.179	3.063	2.90		Clay	95.3			22.53	0.89	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	23.111	0.668	5045.8	3245.8	12.686	3.245	2.93		Clay	97.6			21.84	0.89	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	21.350	0.633	5066.3	3256.0	11.558	3.364	2.97		Clay	100.0			20.18	0.89	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	19.383	0.577	5086.9	3266.4	10.311	3.426	3.02		Clay	100.0			18.32	0.89	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	17.560	0.508	5107.4	3276.6	9.160	3.385	3.06		Clay	100.0			16.60	0.89	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	16.713	0.482	5127.9	3286.9	8.609	3.407	3.08		Clay	100.0			15.80	0.89	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	17.572	0.394	5148.4	3297.2	9.097	2.627	3.00		Clay	100.0			16.61	0.89	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	20.172	0.383	5168.9	3307.4	10.635	2.178	2.90		Clay	94.8			19.07	0.89	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	21.088	0.464	5189.4	3317.7	11.148	2.509	2.91		Clay	96.1			19.93	0.89	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	20.466	0.536	5209.9	3328.0	10.734	3.001	2.97		Clay	100.0			19.34	0.89	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	17.833	0.389	5230.4	3338.2	9.117	2.556	2.99		Clay	100.0			16.86	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	17.336	0.333	5250.9	3348.5	8.786	2.264	2.98		Clay	100.0			16.39	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	18.247	0.291	5271.4	3358.8	9.296	1.864	2.91		Clay	96.0			17.25	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	19.719	0.226	5291.9	3369.0	10.135	1.324	2.81		Clay	87.5			18.64	0.88	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	19.886	0.189	5312.4	3379.3	10.197	1.097	2.77		Clay	84.2			18.80	0.88	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	18.829	0.184	5332.9	3389.6	9.537	1.138	2.80		Clay	86.9			17.80	0.88	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	19.103	0.323	5353.4	3399.8	9.663	1.966	2.91		Clay	95.8			18.06	0.88	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	21.808	0.419	5373.9	3410.1	11.214	2.191	2.88		Clay	93.4			20.61	0.88	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	26.471	0.789	5394.4	3420.4	13.901	3.319	2.91		Clay	95.5			25.02	0.88	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	30.468	1.092	5414.9	3430.6	16.184	3.934	2.90		Clay	94.9			28.80	0.88	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	37.493	1.287	5435.4	3440.9	20.213	3.701	2.81		Clay	87.6			35.44	0.88	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	48.107	1.054	5455.9	3451.2	33.585	2.323	2.51		Sand	63.7	56.84	1.8	102.31	0.83	84.53	158.11	0.81	0.718	0.916	0.353	0.571	0.80	0.01	0.03
44.291	58.253	1.099	5476.4	3461.4	41.026	1.980	2.40		Sand	54.8	56.84	1.8	102.31	0.82	84.21	154.63	0.81	0.717	0.918	0.322	0.510	0.71	0.02	0.03
44.455	60.133	1.534	5496.9	3471.7	42.345	2.673	2.47		Sand	60.7		1.8	102.31	0.82	84.25	156.83	0.80	0.716	0.916	0.341	0.547	0.76	0.01	0.03
44.619	54.415	1.823	5517.4	3481.9	29.671	3.529	2.67		Clay	76.4			51.43	0.88	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	47.581	1.912	5537.9	3492.2	25.664	4.267	2.77		Clay	84.5			44.97	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	44.733	2.007	5558.5	3502.5	23.956	4.784	2.82		Clay	89.0			42.28	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	48.762	1.890	5579.0	3512.8	26.174	4.111	2.75		Clay	83.2			46.09	0.87	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	62.921	1.881	5599.5	3523.1	44.039	3.129	2.51		Sand	63.4	105.27	1.36	143.17	0.85	121.48	205.48	0.80	0.714	0.857	2.610	4.922	6.89	0.00	0.00
45.440	80.718	1.847	5620.0	3533.3	56.985	2.371	2.34		Sand	50.3	105.27	1.36	143.17	0.84	120.83	199.01	0.80	0.713	0.867	1.788	3.409	4.78	0.00	0.00
45.604	96.994	1.704	5640.5	3543.6	68.783	1.809	2.20		Sand	39.1	105.27	1.36	143.17	0.84	119.96	190.09	0.80	0.713	0.879	1.129	2.183	3.06	0.00	0.00
45.768	106.284	1.772	5661.0	3553.9	75.451	1.713	2.16		Sand	35.5	105.27	1.36	143.17	0.83	119.48	185.89	0.80	0.712	0.883	0.931	1.801	2.53	0.00	0.00
45.932	111.099	1.769	5681.5	3564.1	78.842	1.634	2.13		Sand	33.3	105.27	1.36	143.17	0.83	119.09	182.86	0.80	0.712	0.886	0.816	1.547	2.17	0.00	0.00
46.096	111.375	1.782	5702.0	3574.4	78.922	1.642	2.13		Sand	33.3		1.36	143.17	0.83	118.97	182.81	0.80	0.711	0.886	0.815	1.543	2.17	0.00	0.00
46.260	107.035	2.062	5722.5	3584.7	75.649	1.979	2.20		Sand	38.9	105.27	1.36	143.17	0.83	119.41	189.13	0.80	0.711	0.877	1.079	2.082	2.93	0.00	0.00
46.424	101.844	2.225	5743.0	3594.9	71.770	2.248	2.25		Sand	43.2	105.27	1.36	143.17	0.84	119.63	193.00	0.79	0.710	0.871	1.302	2.495	3.51	0.00	0.00
46.588	97.684	2.377	5763.5	3605.2	68.648	2.507	2.30		Sand	47.0	105.27	1.36	143.17	0.84	119.74	195.70	0.79	0.709	0.867	1.495	2.851	4.02	0.00	0.00
46.752	92.812	2.327	5784.0	3615.5	65.020	2.588	2.33		Sand	49.1	105.27	1.36	143.17	0.84	119.74	196.96	0.79	0.709	0.864	1.599	3.039	4.29	0.00	0.00
46.916	86.012	2.170	5804.5	3625.7	60.010	2.611	2.35		Sand	51.3	105.27	1.36	143.17	0.84	119.73	198.15	0.79	0.708	0.861	1.705	3.232	4.56	0.00	0.00
47.080	76.656	2.373	5825.0	3636.0	53.172	3.218	2.46		Sand	59.4	105.27	1.36	143.17	0.84	119.96	202.07	0.79	0.708	0.854	2.128	3.999	5.65	0.00	0.00
47.244	64.557	1.974	5845.5	3646.3	44.378	3.203	2.51		Sand	63.8	105.27	1.36	143.17	0.84	119.98	203.69	0.79	0.707	0.851	2.341	4.381	6.19	0.00	0.00
47.408	52.571	1.643	5866.0	3656.5	27.150	3.310	2.68		Clay	77.3			49.69	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	39.950	1.183	5886.5	3666.8	20.185	3.197	2.77		Clay	84.4			37.76	0.86	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	30.616	1.008	5907.0	3677.1	15.046	3.644	2.90		Clay	95.3			28.94	0.86	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	22.857	0.672	5927.5	3687.3	10.790	3.378	3.00		Clay	100.0			21.60	0.86	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	18.938	0.448	5948.0	3697.6	8.635	2.806	3.03		Clay	100.0			17.90	0.86	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	18.374	0.336	5968.5	3707.9	8.301	2.183	2.99		Clay	100.0			17.37	0.86	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	18.976	0.389	5989.0	3718.1	8.597	2.434	3.00		Clay	100.0			17.94	0.86	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	19.587	0.493	6009.5	3728.4	8.895	2.973	3.04		Clay	100.0			18.51	0.86	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	19.382	0.555	6030.0	3738.7	8.756	3.391	3.07		Clay	100.0			18.32	0.86	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	19.115	0.483	6050.6	3749.0	8.583	3.002	3.05		Clay	100.0			18.07	0.86	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	19.316	0.491	6071.1	3759.3	8.661	3.016	3.05		Clay	100.0			18.26	0.86	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	2

PGA (A_{max})	0.76

Total Settlement:	2.59	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{H1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	20.454	0.513	6091.6	3769.5	9.236	2.947	3.02		Clay	100.0			19.33	0.86	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	21.377	0.564	6112.1	3779.8	9.694	3.078	3.01		Clay	100.0			20.21	0.86	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	21.344	0.556	6132.6	3790.1	9.645	3.042	3.01		Clay	100.0			20.17	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	20.451	0.598	6153.1	3800.3	9.144	3.442	3.06		Clay	100.0			19.33	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	19.869	0.614	6173.6	3810.6	8.808	3.659	3.09		Clay	100.0			18.78	0.86	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	19.791	0.607	6194.1	3820.9	8.738	3.636	3.09		Clay	100.0			18.71	0.86	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 3

PGA (A_{max}) 0.76

Total Settlement: 3.96 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{HL})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	223.419	3.073	610.2	610.2	392.702	1.377	1.62		Sand	0.0			211.17	1.39	293.16	293.16	0.99	0.494	1.100	#########	#########	570601.21	0.00	0.00
5.249	313.269	3.050	629.9	629.9	542.155	0.975	1.42		Sand	0.0			296.10	1.38	407.63	407.63	0.99	0.502	1.100	#########	#########	#########	0.00	0.00
5.413	218.308	2.921	649.6	649.6	371.865	1.340	1.62		Sand	0.0			206.34	1.37	281.77	281.77	0.99	0.510	1.100	13551.211	32793.932	64333.47	0.00	0.00
5.577	142.485	1.869	669.2	669.2	238.907	1.315	1.73		Sand	1.2			134.67	1.47	197.54	197.54	0.99	0.517	1.100	1.650	3.992	7.72	0.00	0.00
5.741	104.278	1.882	688.9	688.9	172.164	1.811	1.93		Sand	17.0			98.56	1.49	146.92	181.00	0.99	0.524	1.100	0.756	1.752	3.34	0.00	0.00
5.906	122.537	0.687	708.7	708.7	199.547	0.562	1.52		Sand	0.0			115.82	1.49	173.08	173.08	0.99	0.531	1.100	0.560	1.218	2.30	0.00	0.00
6.070	130.892	0.489	728.4	728.4	210.276	0.375	1.39		Sand	0.0			123.72	1.46	180.84	180.84	0.99	0.537	1.100	0.751	1.738	3.23	0.00	0.00
6.234	119.989	0.322	748.1	748.1	190.144	0.269	1.36		Sand	0.0			113.41	1.48	167.58	167.58	0.99	0.544	1.100	0.465	0.971	1.79	0.00	0.00
6.398	134.102	0.711	767.8	767.8	209.821	0.532	1.49		Sand	0.0			126.75	1.43	181.63	181.63	0.99	0.550	1.100	0.776	1.807	3.29	0.00	0.00
6.562	157.584	0.632	787.4	787.4	243.551	0.402	1.36		Sand	0.0			148.95	1.38	204.96	204.96	0.99	0.556	1.100	2.529	6.119	11.01	0.00	0.00
6.726	177.917	0.546	807.1	807.1	271.665	0.308	1.25		Sand	0.0			168.16	1.33	224.24	224.24	0.99	0.562	1.100	10.004	24.210	43.11	0.00	0.00
6.890	152.162	0.201	826.8	826.8	229.455	0.132	1.16		Sand	0.0			143.82	1.37	196.81	196.81	0.99	0.567	1.100	1.586	3.838	6.77	0.00	0.00
7.054	106.903	0.312	846.5	846.5	159.122	0.293	1.44		Sand	0.0			101.04	1.45	146.90	146.90	0.99	0.573	1.100	0.269	0.484	0.85	0.01	0.03
7.218	53.920	0.368	866.2	866.2	79.017	0.688	1.89		Sand	14.6			50.96	1.56	79.57	99.72	0.99	0.578	1.095	0.137	0.189	0.33	0.03	0.06
7.382	27.837	0.260	885.8	885.8	40.018	0.949	2.22		Sand	40.5			26.31	1.56	41.14	93.30	0.98	0.583	1.088	0.129	0.173	0.30	0.03	0.07
7.546	17.886	0.310	905.5	905.5	25.188	1.778	2.54		Sand	66.0			16.91	1.58	26.63	84.22	0.98	0.588	1.080	0.120	0.154	0.26	0.04	0.08
7.710	14.740	0.266	925.2	925.2	24.080	1.863	2.57		Mixed	68.2			13.93	1.58	21.96	78.64	0.98	0.592	1.074	0.115	0.144	0.24	0.04	0.08
7.874	14.767	0.258	944.9	944.9	23.756	1.805	2.56		Mixed	68.0			13.96	1.56	21.76	78.33	0.98	0.597	1.072	0.114	0.144	0.24	0.04	0.08
8.038	14.110	0.264	964.6	964.6	22.324	1.937	2.60		Mixed	71.2			13.34	1.54	20.59	77.42	0.98	0.602	1.070	0.113	0.142	0.24	0.04	0.08
8.202	13.649	0.261	984.2	984.2	21.250	1.984	2.63		Mixed	73.0			12.90	1.53	19.73	76.62	0.98	0.606	1.068	0.113	0.141	0.23	0.04	0.08
8.366	13.472	0.229	1003.9	1003.9	20.660	1.766	2.61		Mixed	71.5			12.73	1.52	19.29	75.80	0.98	0.610	1.066	0.112	0.139	0.23	0.04	0.08
8.530	13.615	0.191	1023.6	1023.6	20.590	1.458	2.56		Mixed	68.0			12.87	1.50	19.31	75.18	0.98	0.614	1.064	0.112	0.138	0.22	0.04	0.08
8.694	13.814	0.187	1043.3	1043.3	20.611	1.407	2.55		Mixed	67.3			13.06	1.49	19.39	75.14	0.98	0.618	1.062	0.112	0.138	0.22	0.04	0.08
8.858	13.897	0.219	1063.0	1063.0	20.455	1.639	2.59		Mixed	70.4			13.14	1.47	19.29	75.59	0.98	0.622	1.060	0.112	0.138	0.22	0.04	0.08
9.022	13.451	0.159	1082.6	1082.6	17.059	1.232	2.59	plastic	Clay	70.5			12.71	1.19	n.a.	n.a.	0.98	0.626	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.186	12.794	0.168	1102.3	1102.3	18.266	1.372	2.59	plastic	Clay	70.4			12.09	1.19	n.a.	n.a.	0.98	0.630	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.350	12.354	0.138	1122.0	1122.0	17.378	1.170	2.58	plastic	Clay	69.0			11.68	1.18	n.a.	n.a.	0.98	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.514	12.529	0.155	1141.7	1141.7	17.408	1.296	2.60	plastic	Clay	70.8			11.84	1.18	n.a.	n.a.	0.98	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.678	12.892	0.152	1161.4	1161.4	17.709	1.235	2.58	plastic	Clay	69.4			12.19	1.17	n.a.	n.a.	0.98	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.843	13.137	0.149	1181.2	1181.2	17.835	1.188	2.57	plastic	Clay	68.5			12.42	1.17	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	13.320	0.117	1200.9	1200.4	15.962	0.920	2.56	plastic	Clay	67.6			12.59	1.16	n.a.	n.a.	0.97	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.171	14.083	0.094	1221.4	1210.7	16.834	0.698	2.48	plastic	Clay	61.7			13.31	1.16	n.a.	n.a.	0.97	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.335	15.289	0.120	1241.9	1221.0	18.251	0.818	2.48	plastic	Clay	61.6			14.45	1.16	n.a.	n.a.	0.97	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.499	16.197	0.129	1262.4	1231.2	19.287	0.829	2.46	plastic	Clay	60.1			15.31	1.15	n.a.	n.a.	0.97	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.663	16.081	0.126	1282.9	1241.5	19.052	0.816	2.47	plastic	Clay	60.2			15.20	1.15	n.a.	n.a.	0.97	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.827	15.227	0.087	1303.4	1251.8	17.911	0.597	2.43		Sand	57.4	25.5		25.50	1.31	33.49	90.87	0.97	0.661	1.052	0.127	0.162	0.25	0.04	0.07
10.991	14.735	0.105	1323.9	1262.0	17.224	0.746	2.49		Sand	61.9	25.5		25.50	1.31	33.31	91.86	0.97	0.664	1.052	0.128	0.164	0.25	0.04	0.07
11.155	15.644	0.127	1344.4	1272.3	18.250	0.848	2.49		Sand	62.2	25.5		25.50	1.30	33.17	91.74	0.97	0.666	1.051	0.127	0.164	0.25	0.04	0.07
11.319	17.529	0.161	1364.9	1282.6	20.452	0.956	2.47		Sand	60.6	25.5		25.50	1.30	33.06	91.20	0.97	0.669	1.050	0.127	0.162	0.24	0.04	0.07
11.483	19.683	0.215	1385.4	1292.8	22.963	1.132	2.46		Sand	60.1	25.5		25.50	1.29	32.93	90.91	0.97	0.671	1.049	0.127	0.162	0.24	0.04	0.07
11.647	21.764	0.283	1405.9	1303.1	25.367	1.344	2.47		Sand	60.3	25.5		25.50	1.29	32.80	90.80	0.97	0.674	1.048	0.126	0.161	0.24	0.04	0.07
11.811	24.108	0.388	1426.4	1313.4	28.067	1.658	2.48		Sand	61.6	25.5		25.50	1.28	32.66	90.94	0.97	0.676	1.047	0.127	0.162	0.24	0.04	0.07
11.975	26.331	0.482	1446.9	1323.6	30.602	1.882	2.48		Sand	61.7	25.5		25.50	1.28	32.53	90.82	0.97	0.678	1.046	0.126	0.161	0.24	0.04	0.07
12.139	26.981	0.529	1467.4	1333.9	31.246	2.015	2.50		Sand	62.6			25.50	1.27	32.40	90.86	0.97	0.681	1.046	0.126	0.161	0.24	0.04	0.07
12.303	25.062	0.293	1487.9	1344.2	28.839	1.205	2.39		Sand	54.5			23.69	1.27	30.15	85.74	0.97	0.683	1.043	0.121	0.151	0.22	0.04	0.07
12.467	23.153	0.312	1508.4	1354.4	26.462	1.393	2.46		Sand	59.8			21.88	1.27	27.79	84.24	0.97	0.685	1.042	0.120	0.149	0.22	0.04	0.08
12.631	23.049	0.395	1528.9	1364.7	26.228	1.773	2.52		Sand	64.8			21.79	1.26	27.52	85.11	0.96	0.687	1.041	0.121	0.150	0.22	0.04	0.07
12.795	26.004	0.501	1549.4	1375.0	29.582	1.986	2.51		Sand	63.8			24.58	1.25	30.80	89.09	0.96	0.689	1.042	0.125	0.157	0.23	0.04	0.07
12.959	27.026	0.531	1569.9	1385.2	30.654	2.024	2.50		Sand	63.2			25.54	1.25	31.85	90.29	0.96	0.691	1.042	0.126	0.159	0.23	0.04	0.07
13.123	26.944	0.593	1590.4	1395.5	30.434	2.268	2.54		Sand	65.8			25.47	1.24	31.62	90.60	0.96	0.693	1.041	0.126	0.160	0.23	0.04	0.07
13.287	29.546	0.532	1610.9	1405.8	33.328	1.851	2.45		Sand	59.0			27.93	1.23	34.47	92.59	0.96	0.695	1.041	0.128	0.164	0.24	0.03	0.07
13.451	35.875	0.468	1631.4	1416.0	40.508	1.335	2.30		Sand	46.8			33.91	1.22	41.53	97.15	0.96	0.697	1.042	0.134	0.174	0.25	0.03	0.07
13.615	42.481	0.519	1651.9	1426.3	47.955	1.246	2.22		Sand	40.7			40.15	1.21	48.75	102.86	0.96	0.698	1.043	0.141	0.188	0.27	0.03	0.06
13.780	44.243	0.618	1672.5	1436.6	49.792	1.424	2.24		Sand	42.4			41.82	1.21	50.46	106.05	0.96	0.700	1.043	0.146	0.197	0.28	0.03	0.06
13.944	44.266	0.859	1693.0	1446.9	49.629	1.978	2.33		Sand	49.7			41.84	1.20	50.18	109.35	0.96	0.702	1.043	0.151	0.207	0.29	0.03	0.06
14.108	46.930	0.842	1713.5	1457.2	52.477	1.828	2.29		Sand	46.5			44.36	1.19	52.94	111.34	0.96	0.704	1.043	0.154	0.214	0.30	0.03	0.06
14.272	50.859	0.669	1734.0	1467.4	56.741	1.338	2.18		Sand	37.5			48.07	1.19	57.19	111.11	0.96	0.705	1.042	0.154	0.213	0.30	0.03	0.06
14.436	50.603	0.666	1754.5	1477.7	56.242	1.339	2.18		Sand	37.8			47.83	1.19	56.73	110.74	0.96	0.707	1.042	0.153	0.211	0.30	0.03	0.06
14.600	46.003	0.693	1775.0	1488.0	50.851	1.536	2.26		Sand	43.5			43.48	1.18	51.51	107.97	0.96	0.708	1.040	0.149	0.202	0.29	0.03	0.06
14.764	44.270	0.730	1795.5	1498.2	48.719	1.683	2.30		Sand	46.6			41.84	1.18	49.44	107.01	0.96	0.710	1.039	0.147	0.199	0.28	0.03	0.06
14.928	48.764	0.647	1816.0	1508.5	53.572	1.352	2.20		Sand	39.3			46.09	1.18	54.21	108.74	0.96	0.711	1.039	0.150	0.204	0.29	0.03	0.06
15.092	53.464	0.574	1836.5	1518.8	58.623	1.092	2.12		Sand	32.3			50.53	1.17	59.23	109.04	0.95	0.713	1.038	0.150	0.205	0.29	0.03	0.06
15.256	53.313	0.735	1857.0	1529.0	58.246	1.403	2.19		Sand	37.8			50.39	1.17	58.71	113.22	0.95	0.714	1.038	0.158	0.219	0.31	0.03	0.06
15.420	51.065	0.961	1877.5	1539.3	55.549	1.917	2.29		Sand	46.0			48.27	1.16	55.99	114.97	0.95	0.715	1.038	0.161	0.226	0.32	0.03	0.05
15.584	53.948	0.495	1898.0	1549.6	58.538	0.934	2.08		Sand	29.2			50.99	1.16	59.32	105.66	0.95	0.717	1.035	0.145	0.194	0.27	0.03	0.06
15.748	60.175	0.470	1918.5	1559.8	65.189	0.794	2.00		Sand	22.9			56.88	1.16	66.02	104.19	0.95	0.718	1.034	0.143	0.190	0.26	0.03	0.06
15.912	65.728	0.417	1939.0	1570.1	71.057	0.644	1.92		Sand	16.4			62.12	1.16	72.24	96.79	0.95	0.719	1.031	0.133	0.171	0.24	0.03	0.07
16.076	66.000	0.483	1959.5	1580.4	71.112	0.743	1.95		Sand	19.1			62.38	1.15	72.00	103.22	0.95	0.720	1.032	0.142	0.187	0.26	0.03	0.06

CORNERSTONE EARTH GROUP

CPT No.	3

PGA (A_{max})	0.76

Total Settlement:	3.96	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	64.163	0.507	1980.0	1590.6	68.868	0.803	1.98		Sand	21.5			60.65	1.15	69.66	105.80	0.95	0.721	1.032	0.145	0.194	0.27	0.03	0.06
16.404	62.420	0.544	2000.5	1600.9	66.742	0.886	2.02		Sand	24.4			59.00	1.14	67.45	108.46	0.95	0.723	1.032	0.149	0.202	0.28	0.03	0.06
16.568	60.959	0.639	2021.0	1611.2	64.935	1.066	2.07		Sand	29.0			57.62	1.14	65.51	112.80	0.95	0.724	1.032	0.157	0.216	0.30	0.03	0.06
16.732	57.755	0.537	2041.5	1621.4	61.259	0.947	2.06		Sand	28.2			54.59	1.14	62.06	107.64	0.95	0.725	1.030	0.148	0.199	0.27	0.03	0.06
16.896	50.872	0.684	2062.0	1631.7	53.646	1.372	2.21		Sand	39.6	54.59		54.59	1.13	61.53	118.01	0.95	0.726	1.032	0.167	0.236	0.33	0.03	0.05
17.060	45.225	0.810	2082.5	1642.0	47.408	1.833	2.33		Sand	49.2	54.59		54.59	1.12	61.20	123.07	0.95	0.727	1.032	0.178	0.260	0.36	0.03	0.05
17.224	41.685	0.685	2103.0	1652.2	43.463	1.686	2.33		Sand	49.7	54.59		54.59	1.12	61.03	123.09	0.95	0.728	1.032	0.178	0.259	0.36	0.03	0.05
17.388	40.468	0.527	2123.5	1662.5	42.020	1.337	2.29		Sand	45.8	54.59		54.59	1.12	60.92	121.04	0.94	0.729	1.030	0.174	0.249	0.34	0.03	0.05
17.552	37.276	0.629	2144.0	1672.8	38.487	1.737	2.38		Sand	53.7	54.59		54.59	1.11	60.66	124.25	0.94	0.730	1.030	0.181	0.265	0.36	0.03	0.05
17.717	33.214	0.799	2164.6	1683.1	34.053	2.487	2.52		Sand	64.8	54.59		54.59	1.11	60.41	127.41	0.94	0.731	1.030	0.190	0.282	0.39	0.02	0.05
17.881	31.820	0.813	2185.1	1693.4	32.466	2.646	2.56		Sand	67.5	54.59		54.59	1.10	60.24	127.84	0.94	0.731	1.030	0.191	0.285	0.39	0.02	0.05
18.045	29.713	0.808	2205.6	1703.6	30.137	2.824	2.60		Sand	70.9	54.59		54.59	1.10	60.06	128.38	0.94	0.732	1.029	0.193	0.288	0.39	0.02	0.05
18.209	25.920	0.514	2226.1	1713.9	26.053	2.072	2.57		Sand	68.2	54.59		54.59	1.10	59.92	127.60	0.94	0.733	1.028	0.190	0.283	0.39	0.02	0.05
18.373	20.938	0.581	2246.6	1724.1	22.985	2.932	2.70		Clay	79.0			19.79	1.06	n.a.	n.a.	0.94	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.537	24.809	0.671	2267.1	1734.4	27.301	2.834	2.63		Clay	73.7			23.45	1.05	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.701	37.546	0.572	2287.6	1744.7	37.891	1.571	2.36		Sand	52.0	53.86	1.78	95.87	1.07	102.80	177.04	0.94	0.735	1.040	0.647	1.373	1.87	0.00	0.00
18.865	52.043	0.326	2308.1	1754.9	52.816	0.641	2.03		Sand	25.1	53.86	1.78	95.87	1.08	103.33	151.77	0.94	0.736	1.030	0.301	0.523	0.71	0.02	0.04
19.029	56.985	0.475	2328.6	1765.2	57.765	0.851	2.06		Sand	27.7		1.78	95.87	1.07	102.97	155.80	0.94	0.737	1.031	0.332	0.595	0.81	0.01	0.03
19.193	49.970	0.700	2349.1	1775.5	50.349	1.435	2.24		Sand	42.3	53.86	1.78	95.87	1.07	102.32	170.67	0.94	0.738	1.034	0.515	1.034	1.40	0.00	0.00
19.357	39.087	0.761	2369.6	1785.7	38.997	2.008	2.42		Sand	56.5	53.86	1.78	95.87	1.06	101.91	177.87	0.94	0.738	1.035	0.668	1.421	1.92	0.00	0.00
19.521	33.187	0.842	2390.1	1796.0	32.821	2.632	2.55	plastic	Clay	67.1			31.37	1.04	n.a.	n.a.	0.93	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.685	35.566	0.984	2410.6	1806.3	35.151	2.864	2.55	plastic	Clay	67.2			33.62	1.04	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	40.679	1.030	2431.1	1816.5	40.257	2.610	2.48	plastic	Clay	61.5			38.45	1.04	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	42.645	1.030	2451.6	1826.8	42.133	2.487	2.45		Sand	59.2		1.8	72.55	1.06	77.04	147.09	0.93	0.741	1.023	0.270	0.453	0.61	0.02	0.04
20.177	39.264	1.041	2472.1	1837.1	38.575	2.737	2.51		Sand	63.7	40.31	1.8	72.56	1.06	76.85	148.23	0.93	0.741	1.022	0.277	0.467	0.63	0.02	0.04
20.341	33.177	0.969	2492.6	1847.3	32.300	3.035	2.60		Sand	70.7	40.31	1.8	72.56	1.06	76.65	149.76	0.93	0.742	1.022	0.287	0.488	0.66	0.02	0.04
20.505	26.556	0.692	2513.1	1857.6	27.239	2.735	2.62		Clay	72.9			25.10	1.03	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	20.862	0.626	2533.6	1867.9	20.981	3.195	2.75		Clay	83.4			19.72	1.03	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	16.762	0.557	2554.1	1878.1	16.490	3.597	2.87		Clay	92.5			15.84	1.03	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	14.405	0.448	2574.6	1888.4	13.893	3.415	2.91		Clay	96.1			13.62	1.03	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	13.596	0.320	2595.1	1898.7	12.955	2.602	2.87		Clay	92.5			12.85	1.03	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.325	12.910	0.220	2615.6	1908.9	12.156	1.896	2.82		Clay	88.3			12.20	1.03	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.490	12.243	0.192	2636.3	1919.3	11.384	1.757	2.82		Clay	88.9			11.57	1.03	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.654	11.841	0.171	2656.8	1929.5	10.897	1.627	2.82		Clay	88.8			11.19	1.02	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.818	12.100	0.211	2677.3	1939.8	11.095	1.961	2.86		Clay	91.6			11.44	1.02	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.982	12.887	0.288	2697.8	1950.1	11.834	2.496	2.89		Clay	94.3			12.18	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	15.331	0.315	2718.3	1960.3	14.255	2.255	2.80		Clay	87.0			14.49	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.310	19.226	0.400	2738.8	1970.6	18.123	2.240	2.71		Clay	80.0			18.17	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	21.260	0.352	2759.3	1980.9	20.072	1.771	2.62		Clay	72.4			20.09	1.02	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	19.450	0.315	2779.8	1991.1	18.140	1.744	2.65		Clay	75.1			18.38	1.02	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	14.883	0.259	2800.3	2001.4	13.473	1.921	2.78		Clay	85.5			14.07	1.01	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	11.087	0.186	2820.8	2011.7	9.620	1.922	2.91		Clay	95.5			10.48	1.01	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	8.899	0.125	2841.3	2021.9	7.397	1.671	2.97		Clay	100.0			8.41	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	7.794	0.084	2861.8	2032.2	6.262	1.320	2.99		Clay	100.0			7.37	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	7.550	0.088	2882.3	2042.5	5.982	1.441	3.03		Clay	100.0			7.14	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	8.068	0.118	2902.8	2052.7	6.447	1.783	3.04		Clay	100.0			7.63	1.01	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	8.833	0.134	2923.3	2063.0	7.146	1.818	3.01		Clay	100.0			8.35	1.01	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	9.821	0.192	2943.8	2073.3	8.054	2.300	3.01		Clay	100.0			9.28	1.01	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	10.681	0.211	2964.3	2083.5	8.830	2.294	2.98		Clay	100.0			10.10	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	11.952	0.237	2984.8	2093.8	9.991	2.266	2.93		Clay	97.4			11.30	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	13.191	0.278	3005.3	2104.1	11.110	2.378	2.90		Clay	95.2			12.47	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	14.391	0.293	3025.8	2114.3	12.182	2.275	2.86		Clay	91.7			13.60	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	14.939	0.358	3046.3	2124.6	12.629	2.668	2.88		Clay	93.8			14.12	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	14.815	0.366	3066.8	2134.9	12.443	2.756	2.90		Clay	94.8			14.00	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	14.378	0.343	3087.3	2145.1	11.966	2.673	2.90		Clay	95.3			13.59	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	15.627	0.350	3107.8	2155.4	13.058	2.487	2.86		Clay	91.4			14.77	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	14.970	0.291	3128.4	2165.7	12.380	2.171	2.84		Clay	90.3			14.15	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	14.344	0.294	3148.9	2176.0	11.737	2.302	2.87		Clay	93.0			13.56	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	11.985	0.294	3169.4	2186.3	9.514	2.827	3.00		Clay	100.0			11.33	0.99	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	11.769	0.291	3189.9	2196.5	9.264	2.860	3.01		Clay	100.0			11.12	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	11.872	0.277	3210.4	2206.8	9.305	2.698	3.00		Clay	100.0			11.22	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	12.272	0.302	3230.9	2217.1	9.613	2.834	3.00		Clay	100.0			11.60	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	12.718	0.277	3251.4	2227.3	9.960	2.497	2.95		Clay	99.3			12.02	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	13.289	0.248	3271.9	2237.6	10.416	2.128	2.90		Clay	95.0			12.56	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	13.720	0.271	3292.4	2247.9	10.742	2.245	2.90		Clay	95.1			12.97	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	15.042	0.310	3312.9	2258.1	11.855	2.316	2.87		Clay	92.8			14.22	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	15.992	0.362	3333.4	2268.4	12.630	2.527	2.87		Clay	92.7			15.12	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	3

PGA (A_{max})	0.76

Total Settlement:	3.96	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{H1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	16.232	0.481	3353.9	2278.7	12.775	3.305	2.93		Clay	97.8			15.34	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	15.245	0.408	3374.4	2288.9	11.846	3.009	2.94		Clay	98.0			14.41	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	14.158	0.319	3394.9	2299.2	10.839	2.560	2.93		Clay	97.3			13.38	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	13.880	0.229	3415.4	2309.5	10.541	1.881	2.87		Clay	92.4			13.12	0.98	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	14.226	0.244	3435.9	2319.7	10.784	1.951	2.87		Clay	92.4			13.45	0.98	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	14.662	0.326	3456.4	2330.0	11.102	2.521	2.92		Clay	96.3			13.86	0.97	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	14.885	0.376	3476.9	2340.3	11.235	2.860	2.94		Clay	98.5			14.07	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	14.689	0.406	3497.4	2350.5	11.011	3.137	2.97		Clay	100.0			13.88	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	14.447	0.406	3517.9	2360.8	10.749	3.200	2.99		Clay	100.0			13.66	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	14.012	0.273	3538.4	2371.1	10.327	2.230	2.91		Clay	96.1			13.24	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	13.559	0.298	3558.9	2381.3	9.893	2.530	2.96		Clay	99.8			12.82	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	13.223	0.307	3579.4	2391.6	9.561	2.685	2.99		Clay	100.0			12.50	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	13.087	0.322	3599.9	2401.9	9.399	2.853	3.01		Clay	100.0			12.37	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	13.050	0.330	3620.5	2412.2	9.319	2.936	3.02		Clay	100.0			12.33	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	12.929	0.286	3641.0	2422.5	9.171	2.575	2.99		Clay	100.0			12.22	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	12.683	0.255	3661.5	2432.7	8.922	2.350	2.98		Clay	100.0			11.99	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	12.552	0.238	3682.0	2443.0	8.769	2.222	2.97		Clay	100.0			11.86	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	12.500	0.256	3702.5	2453.3	8.681	2.404	3.00		Clay	100.0			11.81	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	12.603	0.278	3723.0	2463.5	8.720	2.588	3.01		Clay	100.0			11.91	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	12.565	0.294	3743.5	2473.8	8.645	2.749	3.03		Clay	100.0			11.88	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	12.535	0.312	3764.0	2484.1	8.577	2.929	3.05		Clay	100.0			11.85	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	12.481	0.330	3784.5	2494.3	8.490	3.117	3.06		Clay	100.0			11.80	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	12.721	0.342	3805.0	2504.6	8.639	3.161	3.06		Clay	100.0			12.02	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	12.882	0.337	3825.5	2514.9	8.724	3.072	3.05		Clay	100.0			12.18	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	12.925	0.336	3846.0	2525.1	8.714	3.054	3.05		Clay	100.0			12.22	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	12.772	0.330	3866.5	2535.4	8.550	3.045	3.06		Clay	100.0			12.07	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	12.791	0.345	3887.0	2545.6	8.522	3.180	3.07		Clay	100.0			12.09	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	13.059	0.358	3907.5	2555.9	8.690	3.224	3.06		Clay	100.0			12.34	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	13.243	0.370	3928.0	2566.2	8.790	3.280	3.06		Clay	100.0			12.52	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	13.307	0.342	3948.5	2576.4	8.797	3.018	3.04		Clay	100.0			12.58	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	13.322	0.357	3969.0	2586.7	8.766	3.149	3.06		Clay	100.0			12.59	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	13.772	0.360	3989.5	2597.0	9.070	3.057	3.04		Clay	100.0			13.02	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	14.368	0.366	4010.0	2607.2	9.484	2.960	3.01		Clay	100.0			13.58	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	14.819	0.400	4030.5	2617.5	9.783	3.124	3.01		Clay	100.0			14.01	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	14.900	0.398	4051.0	2627.8	9.799	3.091	3.01		Clay	100.0			14.08	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	14.813	0.403	4071.5	2638.0	9.687	3.154	3.02		Clay	100.0			14.00	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	14.838	0.388	4092.0	2648.3	9.660	3.033	3.01		Clay	100.0			14.02	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	14.876	0.405	4112.6	2658.6	9.644	3.159	3.02		Clay	100.0			14.06	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	14.853	0.386	4133.1	2668.9	9.582	3.019	3.01		Clay	100.0			14.04	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	14.791	0.372	4153.6	2679.2	9.491	2.926	3.01		Clay	100.0			13.98	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	15.177	0.324	4174.1	2689.4	9.734	2.475	2.96		Clay	99.8			14.34	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	16.976	0.317	4194.6	2699.7	11.022	2.131	2.88		Clay	93.4			16.05	0.94	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	19.685	0.315	4215.1	2710.0	12.972	1.792	2.78		Clay	85.4			18.61	0.94	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	22.024	0.303	4235.6	2720.2	14.636	1.522	2.70		Clay	78.8			20.82	0.94	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	22.816	0.349	4256.1	2730.5	15.153	1.687	2.71		Clay	79.7			21.57	0.93	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	22.262	0.382	4276.6	2740.8	14.685	1.898	2.75		Clay	82.8			21.04	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	21.601	0.398	4297.1	2751.0	14.142	2.046	2.78		Clay	85.3			20.42	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	20.924	0.392	4317.6	2761.3	13.592	2.089	2.80		Clay	86.9			19.78	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	20.589	0.401	4338.1	2771.6	13.292	2.177	2.82		Clay	88.3			19.46	0.93	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	20.581	0.425	4358.6	2781.8	13.230	2.310	2.83		Clay	89.6			19.45	0.93	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	21.979	0.468	4379.1	2792.1	14.175	2.365	2.81		Clay	88.1			20.77	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	24.242	0.494	4399.6	2802.4	15.731	2.241	2.76		Clay	84.0			22.91	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	26.708	0.536	4420.1	2812.6	17.420	2.188	2.72		Clay	80.7			25.24	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	28.374	0.563	4440.6	2822.9	18.530	2.153	2.69		Clay	78.6			26.82	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	29.691	0.583	4461.1	2833.2	19.385	2.123	2.68		Clay	77.0			28.06	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	31.732	0.608	4481.6	2843.4	20.743	2.062	2.64		Clay	74.5			29.99	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	39.847	0.754	4502.1	2853.7	30.599	2.006	2.50	plastic	Clay	63.1	45.96	1.8	82.73	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	46.774	0.821	4522.6	2864.0	36.164	1.844	2.42	plastic	Clay	56.7	45.96	1.8	82.73	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	48.630	0.986	4543.1	2874.2	37.596	2.127	2.45	plastic	Clay	58.7		1.8	82.74	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	38.347	1.033	4563.6	2884.5	25.006	2.864	2.67		Clay	76.2			36.24	0.92	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	26.948	0.768	4584.1	2894.8	17.035	3.115	2.82		Clay	88.5			25.47	0.92	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	18.550	0.501	4604.8	2905.1	11.186	3.084	2.96		Clay	100.0			17.53	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	15.430	0.349	4625.3	2915.4	8.999	2.661	3.01		Clay	100.0			14.58	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	13.500	0.273	4645.8	2925.6	7.641	2.442	3.05		Clay	100.0			12.76	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	12.128	0.243	4666.3	2935.9	6.672	2.481	3.10		Clay	100.0			11.46	0.92	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	11.204	0.196	4686.8	2946.2	6.015	2.212	3.11		Clay	100.0			10.59	0.92	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	11.883	0.199	4707.3	2956.4	6.447	2.088	3.07		Clay	100.0			11.23	0.92	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	3

PGA (A_{max})	0.76

Total Settlement:	3.96	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	13.732	0.245	4727.8	2966.7	7.664	2.155	3.02		Clay	100.0			12.98	0.91	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	16.744	0.321	4748.3	2977.0	9.654	2.234	2.94		Clay	98.1			15.83	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	19.922	0.507	4768.8	2987.2	11.742	2.891	2.93		Clay	97.4			18.83	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	23.320	0.629	4789.3	2997.5	13.962	3.006	2.88		Clay	93.3			22.04	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	26.383	0.697	4809.8	3007.8	15.944	2.907	2.82		Clay	88.9			24.94	0.91	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	28.423	0.740	4830.3	3018.0	17.235	2.845	2.79		Clay	86.3			26.86	0.91	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	29.281	0.837	4850.8	3028.3	17.736	3.117	2.81		Clay	87.4			27.68	0.91	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	29.495	0.985	4871.3	3038.6	17.811	3.640	2.85		Clay	90.7			27.88	0.91	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	29.302	1.082	4891.8	3048.8	17.617	4.029	2.88		Clay	93.2			27.70	0.91	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	28.400	1.013	4912.3	3059.1	16.962	3.905	2.88		Clay	93.5			26.84	0.91	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	26.927	0.935	4932.8	3069.4	15.939	3.822	2.90		Clay	94.7			25.45	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	26.074	0.886	4953.3	3079.6	15.325	3.755	2.91		Clay	95.4			24.64	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	26.250	0.981	4973.8	3089.9	15.381	4.128	2.93		Clay	97.4			24.81	0.90	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	26.555	1.143	4994.3	3100.2	15.520	4.751	2.97		Clay	100.0			25.10	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	26.073	1.151	5014.8	3110.4	15.153	4.884	2.98		Clay	100.0			24.64	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	24.939	1.071	5035.3	3120.7	14.369	4.777	2.99		Clay	100.0			23.57	0.90	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	23.810	0.927	5055.8	3131.0	13.595	4.356	2.99		Clay	100.0			22.50	0.90	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	23.020	0.879	5076.3	3141.2	13.041	4.292	3.00		Clay	100.0			21.76	0.90	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	22.654	0.838	5096.9	3151.6	12.759	4.168	3.00		Clay	100.0			21.41	0.90	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	22.579	0.784	5117.4	3161.8	12.664	3.916	2.98		Clay	100.0			21.34	0.90	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	22.644	0.806	5137.9	3172.1	12.657	4.015	2.99		Clay	100.0			21.40	0.90	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	23.058	0.715	5158.4	3182.4	12.870	3.491	2.95		Clay	98.7			21.79	0.90	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	23.734	0.617	5178.9	3192.6	13.246	2.918	2.89		Clay	94.2			22.43	0.90	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	24.871	0.709	5199.4	3202.9	13.907	3.183	2.90		Clay	94.6			23.51	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	25.428	0.713	5219.9	3213.2	14.203	3.125	2.88		Clay	93.6			24.03	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	25.452	0.574	5240.4	3223.4	14.166	2.514	2.83		Clay	89.3			24.06	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	26.306	0.381	5260.9	3233.7	14.643	1.609	2.71		Clay	79.8			24.86	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	30.152	0.447	5281.4	3244.0	16.962	1.625	2.66		Clay	75.7			28.50	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	33.429	0.637	5301.9	3254.2	18.916	2.070	2.68		Clay	77.2			31.60	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	34.786	0.908	5322.4	3264.5	19.681	2.826	2.74		Clay	82.5			32.88	0.89	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	32.723	0.995	5342.9	3274.8	18.353	3.311	2.81		Clay	87.8			30.93	0.89	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	31.161	0.938	5363.4	3285.0	17.339	3.294	2.83		Clay	89.2			29.45	0.89	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	29.211	0.851	5383.9	3295.3	16.095	3.209	2.85		Clay	90.7			27.61	0.89	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	27.926	0.650	5404.4	3305.6	15.261	2.577	2.81		Clay	87.7			26.40	0.89	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	28.582	0.593	5424.9	3315.8	15.604	2.292	2.77		Clay	84.7			27.02	0.89	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	30.923	0.580	5445.4	3326.1	16.957	2.057	2.71		Clay	80.2			29.23	0.89	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	35.362	0.681	5465.9	3336.4	19.560	2.087	2.67		Clay	76.4			33.42	0.89	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.291	40.989	0.906	5486.4	3346.6	22.856	2.369	2.65		Clay	74.6			38.74	0.89	n.a.	n.a.	0.81	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.455	45.203	1.225	5506.9	3356.9	25.291	2.886	2.66		Clay	76.1			42.72	0.89	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.619	46.048	1.230	5527.4	3367.1	25.710	2.842	2.65		Clay	75.3			43.52	0.88	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	42.530	1.565	5547.9	3377.4	23.542	3.937	2.77		Clay	84.9			40.20	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	38.408	1.500	5568.5	3387.7	21.031	4.211	2.83		Clay	89.4			36.30	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	34.819	1.196	5589.0	3398.0	18.849	3.735	2.83		Clay	89.7			32.91	0.88	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	33.099	1.001	5609.5	3408.3	17.777	3.304	2.82		Clay	88.6			31.28	0.88	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	34.797	1.050	5630.0	3418.5	18.711	3.283	2.80		Clay	87.1			32.89	0.88	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	41.398	0.968	5650.5	3428.8	22.499	2.510	2.67		Clay	76.3			39.13	0.88	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	47.982	0.918	5671.0	3439.1	33.472	2.033	2.47		Sand	60.9			45.35	0.78	35.38	94.26	0.80	0.712	0.951	0.130	0.153	0.21	0.03	0.07
45.932	47.237	1.078	5691.5	3449.3	25.739	2.428	2.61		Clay	71.9			44.65	0.88	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.096	39.123	1.150	5712.0	3459.6	20.966	3.171	2.75		Clay	83.2			36.98	0.88	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.260	29.500	0.974	5732.5	3469.9	15.351	3.657	2.90		Clay	94.8			27.88	0.88	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.424	25.642	0.646	5753.0	3480.1	13.083	2.838	2.89		Clay	94.0			24.24	0.88	n.a.	n.a.	0.79	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.588	26.409	0.580	5773.5	3490.4	13.478	2.466	2.84		Clay	90.3			24.96	0.88	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.752	29.736	0.777	5794.0	3500.7	15.334	2.895	2.84		Clay	89.9			28.11	0.88	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.916	32.680	0.989	5814.5	3510.9	16.960	3.322	2.84		Clay	90.0			30.89	0.87	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.080	34.260	1.094	5835.0	3521.2	17.802	3.490	2.83		Clay	89.8			32.38	0.87	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.244	34.018	1.141	5855.5	3531.5	17.608	3.670	2.85		Clay	91.1			32.15	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.408	33.551	1.229	5876.0	3541.7	17.287	4.015	2.88		Clay	93.6			31.71	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	34.154	1.371	5896.5	3552.0	17.571	4.393	2.90		Clay	95.2			32.28	0.87	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	35.544	1.405	5917.0	3562.3	18.295	4.312	2.88		Clay	93.7			33.60	0.87	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	36.808	1.510	5937.5	3572.5	18.944	4.462	2.88		Clay	93.5			34.79	0.87	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	37.213	1.470	5958.0	3582.8	19.110	4.294	2.87		Clay	92.4			35.17	0.87	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	37.669	1.542	5978.5	3593.1	19.304	4.446	2.87		Clay	92.9			35.60	0.87	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	39.056	1.287	5999.0	3603.3	20.013	3.569	2.80		Clay	87.1			36.91	0.87	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	44.017	1.399	6019.5	3613.6	22.696	3.412	2.75		Clay	82.7			41.60	0.87	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	50.520	1.418	6040.0	3623.9	26.215	2.985	2.66		Clay	75.9			47.75	0.87	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	62.100	2.030	6060.6	3634.2	32.508	3.437	2.63		Clay	73.4			58.70	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	81.350	2.358	6081.1	3644.5	56.399	3.011	2.42		Sand	56.3	84.28	1.8	151.70	0.84	127.80	210.82	0.78	0.701	0.837	3.680	6.777	9.67	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	3

PGA (A_{max})	0.76

Total Settlement:	3.96	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{H1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	$CRR_{M=7.5, S'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	89.167	2.584	6101.6	3654.7	61.934	3.001	2.39		Sand	53.9		1.8	151.70	0.84	127.56	209.41	0.78	0.700	0.839	3.351	6.186	8.83	0.00	0.00
49.377	84.172	3.022	6122.1	3665.0	58.253	3.726	2.47		Sand	60.8	84.28	1.8	151.70	0.84	127.73	212.57	0.78	0.700	0.835	4.145	7.616	10.88	0.00	0.00
49.541	63.698	3.011	6142.6	3675.3	32.992	4.966	2.73		Clay	81.8			60.21	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	49.292	2.675	6163.1	3685.5	25.077	5.789	2.87		Clay	92.3			46.59	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	40.804	2.706	6183.6	3695.8	20.408	7.175	3.00		Clay	100.0			38.57	0.86	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	36.289	2.716	6204.1	3706.1	17.910	8.184	3.08		Clay	100.0			34.30	0.86	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	4

PGA (A_{max})	0.76

Total Settlement:	2.38	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	8.712	0.419	610.2	610.2	27.555	4.984	2.79		Clay	86.4			8.23	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	13.092	0.294	629.9	629.9	28.205	2.301	2.57	plastic	Clay	68.2			12.37	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	12.764	0.283	649.6	649.6	26.874	2.275	2.58	plastic	Clay	69.3			12.06	1.37	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	12.379	0.323	669.2	669.2	25.483	2.682	2.64	plastic	Clay	74.3			11.70	1.35	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	11.635	0.327	688.9	688.9	23.408	2.896	2.69	plastic	Clay	78.3			11.00	1.34	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	11.105	0.309	708.7	708.7	30.338	2.874	2.60		Clay	71.1			10.50	1.33	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	10.858	0.290	728.4	728.4	28.813	2.764	2.61		Clay	71.6			10.26	1.32	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	10.882	0.271	748.1	748.1	20.565	2.579	2.70	plastic	Clay	79.4			10.29	1.32	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	10.984	0.297	767.8	767.8	27.613	2.802	2.63		Clay	73.1			10.38	1.31	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	10.904	0.319	787.4	787.4	26.695	3.035	2.66		Clay	75.8			10.31	1.30	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	10.388	0.330	807.1	807.1	24.741	3.305	2.71		Clay	79.7			9.82	1.29	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	9.535	0.306	826.8	826.8	22.065	3.355	2.75		Clay	83.1			9.01	1.28	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	8.424	0.286	846.5	846.5	18.904	3.575	2.82		Clay	88.6			7.96	1.27	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	7.533	0.265	866.2	866.2	16.394	3.732	2.88		Clay	93.4			7.12	1.27	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	6.939	0.222	885.8	885.8	14.666	3.417	2.90		Clay	94.6			6.56	1.26	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	6.821	0.199	905.5	905.5	14.065	3.125	2.89		Clay	93.9			6.45	1.25	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	6.927	0.181	925.2	925.2	13.974	2.800	2.86		Clay	91.9			6.55	1.24	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	6.952	0.184	944.9	944.9	13.715	2.840	2.87		Clay	92.7			6.57	1.24	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	6.750	0.182	964.8	962.4	13.025	2.904	2.89		Clay	94.6			6.38	1.23	n.a.	n.a.	0.98	0.602	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.202	6.468	0.182	985.3	972.6	12.287	3.046	2.93		Clay	97.2			6.11	1.23	n.a.	n.a.	0.98	0.606	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.366	6.255	0.169	1005.8	982.9	11.704	2.938	2.94		Clay	97.8			5.91	1.22	n.a.	n.a.	0.98	0.610	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.530	6.024	0.137	1026.3	993.2	11.097	2.486	2.91		Clay	96.1			5.69	1.22	n.a.	n.a.	0.98	0.614	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.694	5.607	0.112	1046.8	1003.4	10.132	2.203	2.92		Clay	96.5			5.30	1.22	n.a.	n.a.	0.98	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.858	5.227	0.098	1067.3	1013.7	9.260	2.088	2.94		Clay	98.1			4.94	1.21	n.a.	n.a.	0.98	0.622	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.022	5.102	0.077	1087.8	1024.0	8.903	1.689	2.91		Clay	95.5			4.82	1.21	n.a.	n.a.	0.98	0.626	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.186	5.464	0.074	1108.3	1034.2	9.495	1.507	2.86		Clay	91.6			5.16	1.21	n.a.	n.a.	0.98	0.630	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.350	6.583	0.123	1128.8	1044.5	11.524	2.044	2.85		Clay	91.3			6.22	1.20	n.a.	n.a.	0.98	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.514	7.999	0.162	1149.3	1054.8	14.078	2.182	2.80		Clay	86.7			7.56	1.20	n.a.	n.a.	0.98	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.678	9.074	0.195	1169.8	1065.0	15.941	2.297	2.76		Clay	84.1			8.58	1.20	n.a.	n.a.	0.98	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.843	8.929	0.182	1190.4	1075.4	15.499	2.184	2.76		Clay	84.0			8.44	1.20	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	8.261	0.154	1210.9	1085.6	14.103	2.012	2.78		Clay	85.1			7.81	1.19	n.a.	n.a.	0.97	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.171	7.804	0.141	1231.4	1095.9	13.119	1.962	2.80		Clay	86.7			7.38	1.19	n.a.	n.a.	0.97	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.335	8.241	0.147	1251.9	1106.2	13.768	1.930	2.78		Clay	85.0			7.79	1.19	n.a.	n.a.	0.97	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.499	9.365	0.152	1272.4	1116.4	15.637	1.741	2.70		Clay	79.4			8.85	1.18	n.a.	n.a.	0.97	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.663	11.133	0.203	1292.9	1126.7	18.615	1.936	2.67		Clay	76.3			10.52	1.18	n.a.	n.a.	0.97	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.827	13.243	0.314	1313.4	1137.0	22.140	2.495	2.67		Clay	76.6			12.52	1.18	n.a.	n.a.	0.97	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.991	15.853	0.429	1333.9	1147.2	26.474	2.825	2.64		Clay	74.4			14.98	1.18	n.a.	n.a.	0.97	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.155	18.136	0.519	1354.4	1157.5	30.166	2.973	2.61		Clay	72.1			17.14	1.17	n.a.	n.a.	0.97	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.319	20.435	0.634	1374.9	1167.8	28.297	3.211	2.66		Mixed	75.5	25.31	1.78	45.05	1.30	58.61	127.40	0.97	0.669	1.079	0.190	0.296	0.44	0.02	0.05
11.483	23.736	0.699	1395.4	1178.0	32.811	3.034	2.59		Mixed	70.3	25.31	1.78	45.05	1.30	58.47	126.18	0.97	0.671	1.077	0.186	0.288	0.43	0.03	0.05
11.647	26.193	0.723	1415.9	1188.3	32.144	2.837	2.58		Sand	69.3	25.31	1.78	45.05	1.29	58.27	125.71	0.97	0.674	1.075	0.185	0.285	0.42	0.03	0.05
11.811	26.783	0.715	1436.4	1198.6	32.734	2.743	2.56		Sand	68.1		1.78	45.06	1.29	58.09	125.20	0.97	0.676	1.074	0.184	0.282	0.42	0.03	0.05
11.975	23.797	0.804	1456.9	1208.8	32.266	3.485	2.64		Mixed	73.9	25.31	1.78	45.05	1.28	57.80	126.06	0.97	0.678	1.073	0.186	0.286	0.42	0.03	0.05
12.139	22.403	0.842	1477.4	1219.1	35.541	3.887	2.64		Clay	74.0			21.17	1.16	n.a.	n.a.	0.97	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.303	25.343	0.679	1497.9	1229.4	30.497	2.761	2.59		Sand	70.1	37.97		37.97	1.29	48.98	113.89	0.97	0.683	1.064	0.159	0.227	0.33	0.03	0.06
12.467	31.331	0.160	1518.4	1239.6	37.753	0.523	2.11		Sand	32.0	37.97		37.97	1.31	49.72	97.22	0.97	0.685	1.056	0.134	0.176	0.26	0.03	0.07
12.631	36.684	0.241	1538.9	1249.9	44.168	0.671	2.10		Sand	31.3	37.97		37.97	1.31	49.57	96.29	0.96	0.687	1.054	0.133	0.174	0.25	0.03	0.07
12.795	39.417	0.349	1559.4	1260.2	47.322	0.903	2.15		Sand	34.7	37.97		37.97	1.30	49.21	99.01	0.96	0.689	1.055	0.136	0.180	0.26	0.03	0.06
12.959	40.177	0.330	1579.9	1270.4	48.045	0.838	2.12		Sand	32.8			37.97	1.29	49.12	97.22	0.96	0.691	1.053	0.134	0.176	0.25	0.03	0.07
13.123	39.488	0.341	1600.4	1280.7	47.003	0.881	2.14		Sand	34.4			37.32	1.29	48.07	97.38	0.96	0.693	1.052	0.134	0.176	0.25	0.03	0.06
13.287	37.992	0.427	1620.9	1291.0	44.993	1.148	2.22		Sand	40.8			35.91	1.28	45.96	99.48	0.96	0.695	1.052	0.137	0.181	0.26	0.03	0.06
13.451	37.119	0.582	1641.4	1301.2	43.750	1.603	2.32		Sand	48.5			35.08	1.27	44.61	101.80	0.96	0.697	1.052	0.140	0.187	0.27	0.03	0.06
13.615	39.735	0.709	1661.9	1311.5	46.707	1.822	2.33		Sand	49.5			37.56	1.26	47.38	105.73	0.96	0.698	1.053	0.145	0.198	0.28	0.03	0.06
13.780	43.732	0.652	1682.5	1321.8	51.292	1.520	2.25		Sand	43.0			41.33	1.25	51.83	108.11	0.96	0.700	1.053	0.149	0.205	0.29	0.03	0.06
13.944	47.000	0.400	1703.0	1332.1	54.975	0.867	2.08		Sand	29.5			44.42	1.26	55.83	101.88	0.96	0.702	1.050	0.140	0.187	0.27	0.03	0.06
14.108	47.785	0.388	1723.5	1342.4	55.683	0.827	2.07		Sand	28.3			45.17	1.25	56.59	101.22	0.96	0.704	1.049	0.139	0.185	0.26	0.03	0.06
14.272	47.689	0.456	1744.0	1352.6	55.346	0.974	2.11		Sand	31.6			45.07	1.24	56.08	104.50	0.96	0.705	1.049	0.143	0.194	0.27	0.03	0.06
14.436	49.334	0.535	1764.5	1362.9	57.062	1.104	2.13		Sand	33.3			46.63	1.24	57.61	108.04	0.96	0.707	1.050	0.149	0.204	0.29	0.03	0.06
14.600	52.334	0.536	1785.0	1373.2	60.357	1.042	2.09		Sand	30.5			49.47	1.23	60.84	109.07	0.96	0.708	1.049	0.150	0.207	0.29	0.03	0.06
14.764	55.335	0.504	1805.5	1383.4	63.628	0.926	2.05		Sand	26.7			52.30	1.23	64.16	108.06	0.96	0.710	1.048	0.149	0.204	0.29	0.03	0.06
14.928	57.340	0.450	1826.0	1393.7	65.717	0.797	2.00		Sand	22.8			54.20	1.23	66.46	104.44	0.96	0.711	1.046	0.143	0.193	0.27	0.03	0.06
15.092	58.421	0.410	1846.5	1404.0	66.718	0.713	1.96		Sand	20.2			55.22	1.23	67.69	100.71	0.95	0.713	1.044	0.138	0.183	0.26	0.03	0.06
15.256	58.976	0.424	1867.0	1414.2	67.106	0.730	1.97		Sand	20.5			55.74	1.22	68.03	101.72	0.95	0.714	1.043	0.140	0.185	0.26	0.03	0.06
15.420	61.829	0.499	1887.5	1424.5	70.138	0.820	1.98		Sand	21.4			58.44	1.21	70.76	106.84	0.95	0.715	1.044	0.147	0.199	0.28	0.03	0.06
15.584	64.992	0.608	1908.0	1434.8	73.506	0.949	2.00		Sand	23.1			61.43	1.20	73.72	113.50	0.95	0.717	1.046	0.158	0.222	0.31	0.03	0.06
15.748	67.396	0.252	1928.5	1445.0	75.982	0.379	1.78		Sand	5.3			63.70	1.23	78.55	78.78	0.95	0.718	1.034	0.115	0.139	0.19	0.04	0.08
15.912	63.875	0.348	1949.0	1455.3	71.689	0.553	1.88		Sand	13.4			60.37	1.22	73.40	89.65	0.95	0.719	1.037	0.125	0.158	0.22	0.04	0.07
16.076	58.525	0.739	1969.5	1465.6	65.350	1.284	2.12		Sand	32.8			55.32	1.19	65.55	117.17	0.95	0.720	1.045	0.165	0.236	0.33	0.03	0.05

CORNERSTONE EARTH GROUP

CPT No. 4

PGA (A_{max}) 0.76

Total Settlement: 2.38 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{HL})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRRM=7.5, σ'_{vc} = 1 atm	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	54.009	1.112	1990.0	1475.8	59.999	2.098	2.29		Sand	46.1			51.05	1.18	60.17	120.26	0.95	0.721	1.045	0.172	0.249	0.35	0.03	0.05
16.404	54.639	1.177	2010.5	1486.1	60.491	2.195	2.30		Sand	47.0			51.64	1.17	60.64	121.28	0.95	0.723	1.044	0.174	0.254	0.35	0.03	0.05
16.568	56.326	1.043	2031.0	1496.4	62.167	1.886	2.25		Sand	42.7			53.24	1.17	62.32	121.05	0.95	0.724	1.044	0.174	0.253	0.35	0.03	0.05
16.732	56.704	0.789	2051.5	1506.6	62.367	1.417	2.16		Sand	36.2			53.60	1.17	62.72	116.87	0.95	0.725	1.041	0.165	0.234	0.32	0.03	0.05
16.896	51.791	0.784	2072.0	1516.9	56.660	1.545	2.22		Sand	40.7	53.6		53.60	1.16	62.41	119.84	0.95	0.726	1.041	0.171	0.246	0.34	0.03	0.05
17.060	43.168	0.754	2092.5	1527.2	46.864	1.790	2.33		Sand	49.0	53.6		53.60	1.16	62.05	124.05	0.95	0.727	1.042	0.181	0.267	0.37	0.03	0.05
17.224	32.871	0.728	2113.0	1537.4	35.278	2.288	2.49		Sand	62.1	53.6		53.60	1.15	61.71	128.32	0.95	0.728	1.043	0.192	0.291	0.40	0.02	0.05
17.388	23.785	0.537	2133.5	1547.7	26.728	2.364	2.59		Mixed	70.3	53.6		53.60	1.15	61.47	130.05	0.94	0.729	1.042	0.198	0.302	0.41	0.02	0.05
17.552	17.136	0.496	2154.0	1558.0	20.615	3.089	2.75		Clay	83.1			16.20	1.08	n.a.	n.a.	0.94	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
17.717	13.389	0.330	2174.6	1568.3	15.688	2.683	2.81		Clay	87.7			12.66	1.08	n.a.	n.a.	0.94	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
17.881	12.379	0.386	2195.1	1578.6	14.293	3.422	2.90		Clay	95.4			11.70	1.08	n.a.	n.a.	0.94	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.045	17.055	0.417	2215.6	1588.8	20.074	2.615	2.72		Clay	80.3			16.12	1.08	n.a.	n.a.	0.94	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.209	21.839	0.471	2236.1	1599.1	23.827	2.273	2.62		Mixed	72.6	23.98		23.98	1.16	27.81	87.00	0.94	0.733	1.027	0.122	0.151	0.21	0.04	0.07
18.373	25.374	0.617	2256.6	1609.3	27.756	2.545	2.60		Mixed	70.8			23.98	1.16	27.72	86.57	0.94	0.734	1.026	0.122	0.150	0.20	0.04	0.07
18.537	21.932	0.626	2277.1	1619.6	25.677	3.011	2.67		Clay	76.6			20.73	1.07	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.701	17.041	0.652	2297.6	1629.9	19.501	4.103	2.85		Clay	90.9			16.11	1.07	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.865	12.188	0.466	2318.1	1640.1	13.449	4.225	2.98		Clay	100.0			11.52	1.07	n.a.	n.a.	0.94	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.029	10.014	0.309	2338.6	1650.4	10.718	3.494	3.01		Clay	100.0			9.47	1.07	n.a.	n.a.	0.94	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.193	9.910	0.341	2359.1	1660.7	10.514	3.906	3.05		Clay	100.0			9.37	1.07	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.357	10.345	0.392	2379.6	1670.9	10.958	4.282	3.06		Clay	100.0			9.78	1.06	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.521	9.711	0.290	2400.1	1681.2	10.125	3.407	3.02		Clay	100.0			9.18	1.06	n.a.	n.a.	0.93	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.685	8.258	0.190	2420.6	1691.5	8.333	2.696	3.04		Clay	100.0			7.81	1.06	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	6.887	0.093	2441.1	1701.7	6.660	1.641	3.01		Clay	100.0			6.51	1.06	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	6.600	0.077	2461.6	1712.0	6.272	1.434	3.01		Clay	100.0			6.24	1.06	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	6.942	0.124	2482.1	1722.3	6.620	2.175	3.07		Clay	100.0			6.56	1.06	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	7.495	0.179	2502.6	1732.5	7.208	2.867	3.10		Clay	100.0			7.08	1.05	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	7.785	0.219	2523.1	1742.8	7.486	3.357	3.13		Clay	100.0			7.36	1.05	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	7.663	0.231	2543.6	1753.1	7.291	3.614	3.16		Clay	100.0			7.24	1.05	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	7.568	0.233	2564.1	1763.3	7.130	3.707	3.17		Clay	100.0			7.15	1.05	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	7.537	0.253	2584.6	1773.6	7.042	4.051	3.20		Clay	100.0			7.12	1.05	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	7.349	0.252	2605.1	1783.9	6.779	4.168	3.22		Clay	100.0			6.95	1.05	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.325	6.892	0.271	2625.6	1794.1	6.219	4.857	3.29		Clay	100.0			6.51	1.04	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.490	6.329	0.240	2646.3	1804.5	5.548	4.794	3.32		Clay	100.0			5.98	1.04	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.654	6.188	0.258	2666.8	1814.7	5.350	5.315	3.36		Clay	100.0			5.85	1.04	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.818	9.382	0.271	2687.3	1825.0	8.809	3.371	3.07		Clay	100.0			8.87	1.04	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.982	12.568	0.487	2707.8	1835.3	12.221	4.343	3.02		Clay	100.0			11.88	1.04	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	15.312	0.669	2728.3	1845.5	15.115	4.796	2.98		Clay	100.0			14.47	1.04	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.310	13.457	0.773	2748.8	1855.8	13.021	6.398	3.11		Clay	100.0			12.72	1.04	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	11.576	0.701	2769.3	1866.1	10.923	6.878	3.19		Clay	100.0			10.94	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	11.140	0.632	2789.8	1876.3	10.387	6.485	3.19		Clay	100.0			10.53	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	12.755	0.589	2810.3	1886.6	12.032	5.189	3.07		Clay	100.0			12.06	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	14.426	0.660	2830.8	1896.9	13.718	5.073	3.02		Clay	100.0			13.64	1.03	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	15.102	0.728	2851.3	1907.1	14.342	5.323	3.02		Clay	100.0			14.27	1.03	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	15.200	0.704	2871.8	1917.4	14.357	5.115	3.01		Clay	100.0			14.37	1.03	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	15.000	0.703	2892.3	1927.7	14.062	5.187	3.02		Clay	100.0			14.18	1.02	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	15.179	0.577	2912.8	1937.9	14.162	4.205	2.96		Clay	100.0			14.35	1.02	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	14.856	0.553	2933.3	1948.2	13.745	4.130	2.97		Clay	100.0			14.04	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	14.405	0.480	2953.8	1958.5	13.202	3.713	2.95		Clay	99.3			13.62	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	13.464	0.391	2974.3	1968.7	12.167	3.265	2.95		Clay	98.9			12.73	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	13.924	0.384	2994.8	1979.0	12.558	3.090	2.92		Clay	96.9			13.16	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	14.396	0.596	3015.3	1989.3	12.958	4.624	3.02		Clay	100.0			13.61	1.02	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	14.016	0.658	3035.8	1999.5	12.501	5.265	3.07		Clay	100.0			13.25	1.02	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	12.872	0.570	3056.3	2009.8	11.289	5.025	3.09		Clay	100.0			12.17	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	15.155	0.569	3076.8	2020.1	13.481	4.179	2.98		Clay	100.0			14.32	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	20.424	0.732	3097.3	2030.3	18.593	3.878	2.85		Clay	90.9			19.30	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	27.405	0.969	3117.8	2040.6	25.332	3.749	2.74		Clay	81.9			25.90	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	32.482	0.978	3138.4	2050.9	30.145	3.164	2.63		Clay	73.5			30.70	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	35.046	0.517	3158.9	2061.2	32.050	1.545	2.42	plastic	Clay	56.4			33.12	1.01	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	34.326	0.747	3179.4	2071.5	31.273	2.282	2.53	plastic	Clay	65.2			32.44	1.01	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	29.833	0.852	3199.9	2081.7	27.125	3.018	2.65		Clay	75.2			28.20	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	24.059	0.765	3220.4	2092.0	21.462	3.408	2.76		Clay	84.2			22.74	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	18.473	0.771	3240.9	2102.3	16.033	4.575	2.94		Clay	98.5			17.46	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	15.731	0.669	3261.4	2112.5	13.349	4.745	3.02		Clay	100.0			14.87	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	14.899	0.588	3281.9	2122.8	12.491	4.435	3.02		Clay	100.0			14.08	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	14.457	0.646	3302.4	2133.1	12.007	5.045	3.07		Clay	100.0			13.66	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	16.359	0.693	3322.9	2143.3	13.715	4.715	3.00		Clay	100.0			15.46	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	19.393	0.532	3343.4	2153.6	16.457	3.002	2.82		Clay	88.7			18.33	1.00	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	4

PGA (A_{max})	0.76

Total Settlement:	2.38	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	21.529	0.621	3363.9	2163.9	18.344	3.129	2.79		Clay	86.6			20.35	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	19.516	0.612	3384.4	2174.1	16.396	3.434	2.86		Clay	91.6			18.45	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	15.134	0.625	3404.9	2184.4	12.298	4.653	3.04		Clay	100.0			14.30	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	11.977	0.524	3425.4	2194.7	9.354	5.105	3.16		Clay	100.0			11.32	0.99	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	10.564	0.400	3445.9	2204.9	8.019	4.524	3.18		Clay	100.0			9.98	0.99	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	10.224	0.323	3466.4	2215.2	7.666	3.804	3.15		Clay	100.0			9.66	0.99	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	10.628	0.293	3486.9	2225.5	7.984	3.298	3.10		Clay	100.0			10.05	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	10.771	0.306	3507.4	2235.7	8.067	3.393	3.10		Clay	100.0			10.18	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	10.625	0.356	3527.9	2246.0	7.891	4.018	3.15		Clay	100.0			10.04	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	10.061	0.365	3548.4	2256.3	7.346	4.405	3.20		Clay	100.0			9.51	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	9.532	0.255	3568.9	2266.5	6.837	3.291	3.16		Clay	100.0			9.01	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	9.303	0.230	3589.4	2276.8	6.596	3.063	3.15		Clay	100.0			8.79	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	9.286	0.218	3609.9	2287.1	6.542	2.914	3.14		Clay	100.0			8.78	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	9.555	0.232	3630.5	2297.4	6.738	2.998	3.14		Clay	100.0			9.03	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	9.681	0.219	3651.0	2307.7	6.808	2.788	3.12		Clay	100.0			9.15	0.98	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	9.671	0.206	3671.5	2317.9	6.761	2.629	3.11		Clay	100.0			9.14	0.98	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	9.783	0.187	3692.0	2328.2	6.818	2.356	3.08		Clay	100.0			9.25	0.98	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	9.608	0.174	3712.5	2338.5	6.630	2.245	3.08		Clay	100.0			9.08	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	9.605	0.169	3733.0	2348.7	6.590	2.184	3.08		Clay	100.0			9.08	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	9.551	0.180	3753.5	2359.0	6.506	2.346	3.10		Clay	100.0			9.03	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	9.728	0.204	3774.0	2369.3	6.619	2.602	3.11		Clay	100.0			9.19	0.97	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	9.728	0.243	3794.5	2379.5	6.582	3.103	3.16		Clay	100.0			9.19	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	9.463	0.257	3815.0	2389.8	6.323	3.401	3.19		Clay	100.0			8.94	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	9.213	0.251	3835.5	2400.1	6.079	3.441	3.21		Clay	100.0			8.71	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	9.108	0.258	3856.0	2410.3	5.958	3.593	3.23		Clay	100.0			8.61	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	9.171	0.277	3876.5	2420.6	5.976	3.830	3.24		Clay	100.0			8.67	0.97	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	9.140	0.278	3897.0	2430.8	5.917	3.866	3.25		Clay	100.0			8.64	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	8.988	0.265	3917.5	2441.1	5.759	3.770	3.25		Clay	100.0			8.50	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	8.916	0.251	3938.0	2451.4	5.668	3.613	3.25		Clay	100.0			8.43	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	8.992	0.268	3958.5	2461.6	5.698	3.822	3.26		Clay	100.0			8.50	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	9.161	0.270	3979.0	2471.9	5.802	3.765	3.25		Clay	100.0			8.66	0.96	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	9.483	0.298	3999.5	2482.2	6.030	3.982	3.25		Clay	100.0			8.96	0.96	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	9.689	0.302	4020.0	2492.4	6.162	3.933	3.24		Clay	100.0			9.16	0.96	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	9.896	0.313	4040.5	2502.7	6.294	3.974	3.23		Clay	100.0			9.35	0.96	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	9.870	0.318	4061.0	2513.0	6.239	4.056	3.24		Clay	100.0			9.33	0.96	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	9.841	0.318	4081.5	2523.2	6.183	4.077	3.24		Clay	100.0			9.30	0.95	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	9.944	0.319	4102.0	2533.5	6.231	4.042	3.24		Clay	100.0			9.40	0.95	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	10.063	0.306	4122.6	2543.8	6.291	3.824	3.22		Clay	100.0			9.51	0.95	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	10.251	0.315	4143.1	2554.1	6.405	3.851	3.22		Clay	100.0			9.69	0.95	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	10.100	0.310	4163.6	2564.4	6.254	3.866	3.23		Clay	100.0			9.55	0.95	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	9.285	0.236	4184.1	2574.6	5.588	3.281	3.23		Clay	100.0			8.78	0.95	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	8.417	0.160	4204.6	2584.9	4.886	2.534	3.22		Clay	100.0			7.96	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	7.751	0.096	4225.1	2595.2	4.345	1.703	3.18		Clay	100.0			7.33	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	7.920	0.066	4245.6	2605.4	4.450	1.138	3.10		Clay	100.0			7.49	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	8.567	0.063	4266.1	2615.7	4.919	0.979	3.03		Clay	100.0			8.10	0.95	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	9.444	0.087	4286.6	2626.0	5.560	1.192	3.02		Clay	100.0			8.93	0.94	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	10.083	0.126	4307.1	2636.2	6.016	1.589	3.04		Clay	100.0			9.53	0.94	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	10.406	0.143	4327.6	2646.5	6.229	1.735	3.05		Clay	100.0			9.84	0.94	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	11.547	0.167	4348.1	2656.8	7.056	1.782	3.01		Clay	100.0			10.91	0.94	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	15.186	0.204	4368.6	2667.0	9.750	1.569	2.86		Clay	91.5			14.35	0.94	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	20.916	0.349	4389.1	2677.3	13.985	1.864	2.76		Clay	83.9			19.77	0.94	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	26.820	0.505	4409.6	2687.6	18.318	2.052	2.69		Clay	77.9			25.35	0.94	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	29.564	0.652	4430.1	2697.8	20.275	2.384	2.69		Clay	78.1			27.94	0.94	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	30.156	0.715	4450.6	2708.1	20.627	2.560	2.70		Clay	79.1			28.50	0.94	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	30.259	0.694	4471.1	2718.4	20.618	2.476	2.69		Clay	78.4			28.60	0.94	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	29.498	0.820	4491.6	2728.6	19.975	3.009	2.76		Clay	83.4			27.88	0.94	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	27.477	0.924	4512.1	2738.9	18.417	3.664	2.84		Clay	89.9			25.97	0.93	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	25.373	1.066	4532.6	2749.2	16.810	4.613	2.93		Clay	97.4			23.98	0.93	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	25.362	0.988	4553.1	2759.4	16.732	4.280	2.91		Clay	95.9			23.97	0.93	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	26.451	1.062	4573.6	2769.7	17.449	4.395	2.90		Clay	95.4			25.00	0.93	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	26.149	1.274	4594.1	2780.0	17.160	5.341	2.96		Clay	100.0			24.72	0.93	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	24.913	1.158	4614.8	2790.3	16.203	5.123	2.97		Clay	100.0			23.55	0.93	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	25.272	1.096	4635.3	2800.6	16.393	4.775	2.95		Clay	98.9			23.89	0.93	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	29.174	0.921	4655.8	2810.8	19.102	3.431	2.81		Clay	87.5			27.57	0.93	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	37.910	1.018	4676.3	2821.1	25.218	2.862	2.66		Clay	76.0			35.83	0.93	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	46.289	1.366	4696.8	2831.4	31.038	3.109	2.62		Clay	72.3			43.75	0.93	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	48.432	1.611	4717.3	2841.6	32.427	3.497	2.64		Clay	73.9			45.78	0.93	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 4

PGA (A_{max}) 0.76

Total Settlement: 2.38 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{tl})	Interpreted q_{c1N}	C_N	q_{c1N}	$q_{c1N\text{-}CS}$	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	43.767	1.680	4737.8	2851.9	29.032	4.058	2.72		Clay	80.2			41.37	0.92	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	37.448	1.525	4758.3	2862.2	24.505	4.349	2.79		Clay	86.2			35.40	0.92	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	34.560	1.246	4778.8	2872.4	22.400	3.873	2.79		Clay	85.9			32.67	0.92	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	34.073	1.019	4799.3	2882.7	21.975	3.217	2.74		Clay	82.3			32.21	0.92	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	34.868	1.076	4819.8	2893.0	22.439	3.315	2.74		Clay	82.4			32.96	0.92	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	35.005	1.412	4840.3	2903.2	22.447	4.333	2.82		Clay	88.4			33.09	0.92	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	36.066	1.599	4860.8	2913.5	23.090	4.754	2.83		Clay	89.8			34.09	0.92	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	34.841	1.451	4881.3	2923.8	22.163	4.478	2.83		Clay	89.5			32.93	0.92	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	31.459	1.285	4901.8	2934.0	19.774	4.430	2.87		Clay	92.2			29.73	0.92	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	25.100	1.047	4922.3	2944.3	15.378	4.625	2.96		Clay	99.9			23.72	0.92	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	19.992	0.965	4942.8	2954.6	11.860	5.508	3.10		Clay	100.0			18.90	0.92	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	16.356	0.639	4963.3	2964.8	9.359	4.606	3.13		Clay	100.0			15.46	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	13.765	0.450	4983.8	2975.1	7.578	3.992	3.17		Clay	100.0			13.01	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	11.441	0.345	5004.3	2985.4	5.988	3.860	3.24		Clay	100.0			10.81	0.91	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	10.415	0.293	5024.8	2995.6	5.276	3.708	3.28		Clay	100.0			9.84	0.91	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	10.569	0.272	5045.3	3005.9	5.354	3.380	3.25		Clay	100.0			9.99	0.91	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	10.686	0.286	5065.8	3016.2	5.406	3.508	3.26		Clay	100.0			10.10	0.91	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	10.477	0.273	5086.3	3026.4	5.243	3.441	3.26		Clay	100.0			9.90	0.91	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	10.035	0.289	5106.9	3036.8	4.927	3.863	3.31		Clay	100.0			9.48	0.91	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	9.320	0.324	5127.4	3047.0	4.435	4.796	3.40		Clay	100.0			8.81	0.91	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	9.527	0.325	5147.9	3057.3	4.549	4.674	3.39		Clay	100.0			9.00	0.91	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	10.243	0.356	5168.4	3067.6	4.993	4.648	3.35		Clay	100.0			9.68	0.91	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	12.056	0.389	5188.9	3077.8	6.148	4.111	3.25		Clay	100.0			11.40	0.91	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	13.816	0.349	5209.4	3088.1	7.261	3.113	3.12		Clay	100.0			13.06	0.91	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	14.886	0.465	5229.9	3098.4	7.908	3.796	3.14		Clay	100.0			14.05	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	16.161	0.466	5250.4	3108.6	8.709	3.443	3.08		Clay	100.0			15.28	0.90	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	17.834	0.557	5270.9	3118.9	9.746	3.665	3.06		Clay	100.0			16.86	0.90	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	19.405	0.563	5291.4	3129.2	10.712	3.359	3.00		Clay	100.0			18.34	0.90	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	19.276	0.596	5311.9	3139.4	10.588	3.586	3.02		Clay	100.0			18.22	0.90	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	17.631	0.606	5332.4	3149.7	9.502	4.049	3.09		Clay	100.0			16.66	0.90	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	19.748	0.650	5352.9	3160.0	10.805	3.808	3.03		Clay	100.0			18.67	0.90	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	25.450	0.898	5373.4	3170.2	14.361	3.945	2.94		Clay	98.2			24.05	0.90	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	31.681	1.156	5393.9	3180.5	18.226	3.988	2.86		Clay	92.0			29.94	0.90	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	33.695	1.365	5414.4	3190.8	19.424	4.405	2.87		Clay	92.6			31.85	0.90	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	32.347	1.412	5434.9	3201.0	18.513	4.766	2.91		Clay	95.6			30.57	0.90	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	29.786	1.212	5455.4	3211.3	16.852	4.479	2.92		Clay	96.7			28.15	0.90	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	32.479	1.328	5475.9	3221.6	18.464	4.465	2.89		Clay	94.2			30.70	0.90	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.291	35.886	1.443	5496.4	3231.8	20.507	4.355	2.85		Clay	90.9			33.92	0.89	n.a.	n.a.	0.81	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.455	39.606	2.073	5516.9	3242.1	22.731	5.626	2.89		Clay	94.1			37.43	0.89	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.619	34.631	2.412	5537.4	3252.3	19.593	7.570	3.02		Clay	100.0			32.73	0.89	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	28.559	1.868	5557.9	3262.6	15.803	7.246	3.08		Clay	100.0			26.99	0.89	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	24.369	1.199	5578.5	3272.9	13.187	5.556	3.06		Clay	100.0			23.03	0.89	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	24.141	1.048	5599.0	3283.2	13.000	4.911	3.03		Clay	100.0			22.82	0.89	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	25.087	0.868	5619.5	3293.5	13.528	3.896	2.96		Clay	99.6			23.71	0.89	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	25.975	0.983	5640.0	3303.7	14.017	4.245	2.97		Clay	100.0			24.55	0.89	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	27.221	0.947	5660.5	3314.0	14.720	3.883	2.93		Clay	97.2			25.73	0.89	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	28.840	1.024	5681.0	3324.3	15.642	3.939	2.91		Clay	95.9			27.26	0.89	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.932	30.550	0.962	5701.5	3334.5	16.614	3.473	2.86		Clay	91.5			28.88	0.89	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.096	32.318	1.318	5722.0	3344.8	17.614	4.474	2.91		Clay	95.5			30.55	0.89	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.260	41.125	1.408	5742.5	3355.1	22.804	3.681	2.77		Clay	84.3			38.87	0.89	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.424	53.919	1.019	5763.0	3365.3	38.251	1.997	2.42		Sand	56.9	68.92	1.72	118.54	0.84	100.15	175.79	0.79	0.710	0.906	0.617	1.130	1.59	0.00	0.00
46.588	67.670	0.622	5783.5	3375.6	48.476	0.960	2.15		Sand	35.1	68.92	1.72	118.54	0.83	98.96	160.36	0.79	0.709	0.918	0.375	0.619	0.87	0.01	0.02
46.752	72.914	0.553	5804.0	3385.9	52.313	0.790	2.08		Sand	29.2		1.72	118.54	0.83	98.24	152.34	0.79	0.709	0.923	0.305	0.477	0.67	0.02	0.04
46.916	72.722	0.863	5824.5	3396.1	52.083	1.236	2.19		Sand	38.2	68.92	1.72	118.54	0.83	98.93	163.22	0.79	0.708	0.915	0.407	0.683	0.96	0.01	0.02
47.080	70.151	1.276	5845.0	3406.4	50.081	1.898	2.32		Sand	48.5	68.92	1.72	118.54	0.84	99.37	170.93	0.79	0.708	0.908	0.519	0.918	1.30	0.00	0.01
47.244	63.220	1.584	5865.5	3416.7	44.843	2.627	2.45		Sand	58.9	68.92	1.72	118.54	0.84	99.61	175.84	0.79	0.707	0.903	0.619	1.129	1.60	0.00	0.00
47.408	49.482	1.610	5886.0	3426.9	27.161	3.459	2.69		Clay	78.3			46.77	0.88	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	33.757	1.336	5906.5	3437.2	17.924	4.337	2.89		Clay	94.3			31.91	0.88	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	22.399	1.023	5927.0	3447.5	11.275	5.264	3.10		Clay	100.0			21.17	0.88	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	19.044	0.765	5947.5	3457.7	9.295	4.760	3.14		Clay	100.0			18.00	0.88	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	19.123	0.636	5968.0	3468.0	9.307	3.941	3.09		Clay	100.0			18.07	0.88	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	18.907	0.596	5988.5	3478.3	9.150	3.745	3.08		Clay	100.0			17.87	0.88	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	17.534	0.569	6009.0	3488.5	8.330	3.916	3.13		Clay	100.0			16.57	0.88	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	15.936	0.351	6029.5	3498.8	7.386	2.716	3.08		Clay	100.0			15.06	0.88	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	15.454	0.366	6050.0	3509.1	7.084	2.945	3.12		Clay	100.0			14.61	0.88	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	15.421	0.451	6070.6	3519.4	7.039	3.641	3.17		Clay	100.0			14.58	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	15.146	0.435	6091.1	3529.7	6.856	3.595	3.18		Clay	100.0			14.32	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	4

PGA (A_{max})	0.76

Total Settlement:	2.38	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	Ic	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, rd	CSR	Ks for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	14.557	0.395	6111.6	3539.9	6.498	3.434	3.18		Clay	100.0			13.76	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	14.307	0.338	6132.1	3550.2	6.333	3.007	3.16		Clay	100.0			13.52	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	14.579	0.375	6152.6	3560.5	6.461	3.260	3.17		Clay	100.0			13.78	0.87	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	15.178	0.424	6173.1	3570.7	6.773	3.507	3.17		Clay	100.0			14.35	0.87	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	15.380	0.430	6193.6	3581.0	6.860	3.501	3.17		Clay	100.0			14.54	0.87	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	15.325	0.442	6214.1	3591.3	6.804	3.618	3.18		Clay	100.0			14.48	0.87	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 5

PGA (A_{max}) 0.76

Total Settlement: 2.63 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{-1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	11.245	0.309	610.2	610.2	24.692	2.825	2.67	plastic	Clay	76.3	18.25		18.25	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	18.805	0.576	629.9	629.9	40.816	3.115	2.53	plastic	Clay	65.3	18.25		18.25	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	19.306	0.737	649.6	649.6	41.008	3.883	2.59	plastic	Clay	70.4			18.25	1.37	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	17.605	0.774	669.2	669.2	36.540	4.482	2.67	plastic	Clay	76.8	18.25		18.25	1.35	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	14.550	0.736	688.9	688.9	41.240	5.181	2.68		Clay	77.4			13.75	1.34	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	13.595	0.545	708.7	708.7	37.365	4.116	2.64		Clay	74.1			12.85	1.33	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	13.454	0.504	728.8	724.4	36.140	3.850	2.63		Clay	73.4			12.72	1.33	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	12.894	0.483	749.3	734.6	34.083	3.858	2.65		Clay	74.9			12.19	1.32	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	12.093	0.458	769.8	744.9	31.435	3.912	2.68		Clay	77.3			11.43	1.32	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	11.210	0.291	790.3	755.2	28.642	2.691	2.60		Clay	71.2			10.60	1.31	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	10.945	0.325	810.8	765.4	27.538	3.084	2.65		Clay	75.3			10.34	1.31	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	11.071	0.435	831.3	775.7	27.472	4.082	2.73		Clay	81.8			10.46	1.30	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	11.232	0.501	851.8	786.0	27.497	4.636	2.77		Clay	84.7			10.62	1.30	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	11.002	0.475	872.3	796.2	26.539	4.496	2.77		Clay	84.9			10.40	1.29	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	10.504	0.404	892.8	806.5	24.941	4.017	2.76		Clay	83.9			9.93	1.29	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	10.288	0.371	913.3	816.8	24.074	3.774	2.75		Clay	83.4			9.72	1.29	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	10.320	0.361	933.8	827.0	23.827	3.664	2.75		Clay	83.0			9.75	1.28	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	9.980	0.358	954.3	837.3	22.699	3.767	2.77		Clay	84.9			9.43	1.28	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	9.500	0.262	974.8	847.6	21.267	2.907	2.72		Clay	81.0			8.98	1.27	n.a.	n.a.	0.98	0.602	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.202	8.750	0.328	995.3	857.8	19.240	3.975	2.84		Clay	90.5			8.27	1.27	n.a.	n.a.	0.98	0.606	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.366	8.319	0.168	1015.8	868.1	17.996	2.151	2.70		Clay	79.4			7.86	1.26	n.a.	n.a.	0.98	0.610	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.530	8.067	0.132	1036.3	878.4	17.188	1.749	2.67		Clay	76.7			7.62	1.26	n.a.	n.a.	0.98	0.614	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.694	8.285	0.085	1056.8	888.6	13.457	1.096	2.66	plastic	Clay	75.7			7.83	1.26	n.a.	n.a.	0.98	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.858	8.842	0.078	1077.3	898.9	14.290	0.939	2.60	plastic	Clay	71.3			8.36	1.25	n.a.	n.a.	0.98	0.622	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.022	9.522	0.087	1097.8	909.2	15.320	0.970	2.58		Mixed	69.7	11.94		11.94	1.60	19.14	75.28	0.98	0.626	1.074	0.112	0.139	0.22	0.04	0.08
9.186	10.221	0.109	1118.3	919.4	16.367	1.128	2.59		Mixed	70.2	11.94		11.94	1.59	19.03	75.22	0.98	0.630	1.073	0.112	0.139	0.22	0.04	0.08
9.350	11.031	0.104	1138.8	929.7	14.918	0.994	2.60		Sand	70.9	11.94		11.94	1.58	18.91	75.20	0.98	0.633	1.072	0.112	0.139	0.22	0.04	0.08
9.514	11.887	0.120	1159.3	940.0	16.035	1.061	2.58		Sand	69.8	11.94		11.94	1.58	18.81	74.87	0.98	0.637	1.071	0.111	0.138	0.22	0.04	0.08
9.678	12.631	0.141	1179.8	950.2	16.983	1.171	2.58		Sand	69.7			11.94	1.57	18.70	74.71	0.98	0.640	1.070	0.111	0.138	0.22	0.04	0.08
9.843	13.372	0.440	1200.4	960.6	26.592	3.445	2.70		Clay	78.7			12.64	1.23	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	15.203	0.513	1220.9	970.8	30.062	3.515	2.66		Clay	76.0			14.37	1.23	n.a.	n.a.	0.97	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.171	16.060	0.517	1241.4	981.1	31.473	3.349	2.63		Clay	73.7			15.18	1.22	n.a.	n.a.	0.97	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.335	16.221	0.440	1261.9	991.4	25.053	2.822	2.66		Mixed	75.9			15.33	1.51	23.13	81.47	0.97	0.652	1.070	0.117	0.148	0.23	0.04	0.08
10.499	15.233	0.397	1282.4	1001.6	29.136	2.721	2.60		Clay	71.0			14.40	1.22	n.a.	n.a.	0.97	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.663	15.783	0.405	1302.9	1011.9	23.970	2.677	2.66		Mixed	75.9			14.92	1.50	22.30	80.41	0.97	0.658	1.067	0.116	0.146	0.22	0.04	0.08
10.827	17.083	0.546	1323.4	1022.2	32.130	3.325	2.62		Clay	73.0			16.15	1.21	n.a.	n.a.	0.97	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.991	18.664	0.700	1343.9	1032.4	34.854	3.891	2.64		Clay	74.5			17.64	1.21	n.a.	n.a.	0.97	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.155	20.016	0.818	1364.4	1042.7	37.084	4.231	2.65		Clay	75.0			18.92	1.21	n.a.	n.a.	0.97	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.319	21.120	0.855	1384.9	1053.0	38.800	4.186	2.63		Clay	73.6			19.96	1.20	n.a.	n.a.	0.97	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.483	21.637	0.751	1405.4	1063.2	32.033	3.587	2.65		Mixed	74.8			20.45	1.43	29.31	89.31	0.97	0.671	1.067	0.125	0.162	0.24	0.04	0.07
11.647	20.463	0.671	1425.9	1073.5	30.018	3.397	2.65		Mixed	75.2	20.45		20.45	1.43	29.17	89.19	0.97	0.674	1.066	0.125	0.161	0.24	0.04	0.07
11.811	18.812	0.644	1446.4	1083.8	33.381	3.560	2.63		Clay	73.6			17.78	1.19	n.a.	n.a.	0.97	0.676	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.975	17.944	0.758	1466.9	1094.0	31.463	4.404	2.71		Clay	80.1			16.96	1.19	n.a.	n.a.	0.97	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.139	20.090	0.825	1487.4	1104.3	35.038	4.264	2.67		Clay	76.6			18.99	1.19	n.a.	n.a.	0.97	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.303	22.961	1.008	1507.9	1114.6	39.849	4.539	2.65		Clay	74.9			21.70	1.18	n.a.	n.a.	0.97	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.467	26.091	1.069	1528.4	1124.8	37.256	4.221	2.65		Mixed	74.8	27.95		27.95	1.37	38.24	100.89	0.97	0.685	1.068	0.138	0.187	0.27	0.03	0.06
12.631	27.311	1.053	1548.9	1135.1	38.788	3.968	2.62		Mixed	72.3	27.95		27.95	1.36	38.10	100.26	0.96	0.687	1.066	0.138	0.185	0.27	0.03	0.06
12.795	27.587	1.054	1569.4	1145.4	38.930	3.932	2.61		Mixed	72.0	27.95		27.95	1.36	37.95	100.00	0.96	0.689	1.065	0.137	0.185	0.27	0.03	0.06
12.959	29.567	1.009	1589.9	1155.6	36.799	3.507	2.60		Sand	70.7			27.95	1.35	37.80	99.56	0.96	0.691	1.064	0.137	0.183	0.27	0.03	0.06
13.123	33.274	0.487	1610.4	1165.9	41.344	1.500	2.32	plastic	Clay	48.6			31.45	1.17	n.a.	n.a.	0.96	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.287	37.699	0.500	1630.9	1176.2	46.760	1.356	2.25	plastic	Clay	43.1			35.63	1.17	n.a.	n.a.	0.96	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.451	38.997	0.663	1651.4	1186.4	48.182	1.737	2.31	plastic	Clay	47.6			36.86	1.16	n.a.	n.a.	0.96	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.615	35.337	0.814	1671.9	1196.7	43.362	2.359	2.43	plastic	Clay	57.3			33.40	1.16	n.a.	n.a.	0.96	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.780	29.679	0.935	1692.5	1207.0	36.083	3.243	2.58	plastic	Clay	69.4			28.05	1.16	n.a.	n.a.	0.96	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.944	24.082	0.986	1713.0	1217.3	38.159	4.245	2.64		Clay	74.4			22.76	1.16	n.a.	n.a.	0.96	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.108	21.492	0.832	1733.5	1227.6	33.604	4.034	2.67		Clay	76.3			20.31	1.15	n.a.	n.a.	0.96	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.272	23.006	1.007	1754.0	1237.8	35.755	4.551	2.68		Clay	77.7			21.74	1.15	n.a.	n.a.	0.96	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.436	28.942	1.005	1774.5	1248.1	38.371	3.582	2.59	plastic	Clay	70.1	54.44		54.44	1.15	n.a.	n.a.	0.96	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.600	36.716	1.023	1795.0	1258.4	43.901	2.856	2.48	plastic	Clay	61.4	54.44		54.44	1.15	n.a.	n.a.	0.96	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.764	41.530	1.166	1815.5	1268.6	49.587	2.870	2.44	plastic	Clay	58.4	54.44		54.44	1.14	n.a.	n.a.	0.96	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.928	41.330	0.841	1836.0	1278.9	49.132	2.081	2.35	plastic	Clay	51.1	54.44		54.44	1.14	n.a.	n.a.	0.96	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.092	43.504	1.060	1856.5	1289.2	51.556	2.490	2.39		Sand	54.0	54.44		54.44	1.24	67.45	133.01	0.95	0.713	1.069	0.207	0.331	0.46	0.02	0.05
15.256	47.083	1.169	1877.0	1299.4	55.657	2.533	2.37		Sand	52.5	54.44		54.44	1.24	67.27	132.16	0.95	0.714	1.067	0.204	0.324	0.45	0.02	0.05
15.420	52.965	1.085	1897.5	1309.7	62.492	2.086	2.27		Sand	44.9	54.44		54.44	1.24	67.25	128.52	0.95	0.715	1.064	0.193	0.299	0.42	0.02	0.05
15.584	55.822	0.846	1918.0	1320.0	65.656	1.542	2.17		Sand	36.7	54.44		54.44	1.24	67.35	122.99	0.95	0.717	1.060	0.178	0.266	0.37	0.03	0.05
15.748	57.599	0.612	1938.5	1330.2	67.508	1.081	2.06		Sand	28.2			54.44	1.24	67.65	114.34	0.95	0.718	1.055	0.160	0.227	0.32	0.03	0.06
15.912	57.268	0.508	1959.0	1340.5	66.844	0.902	2.02		Sand	24.7			54.13	1.24	67.36	108.90	0.95	0.719	1.052	0.150	0.207	0.29	0.03	0.06
16.076	55.106	0.510	1979.5	1350.8	64.019	0.942	2.05		Sand	26.8			52.09	1.24	64.58	108.83	0.95	0.720	1.051	0.150	0.207	0.29	0.03	0.06

CORNERSTONE EARTH GROUP

CPT No.	5

PGA (A_{max})	0.76

Total Settlement:	2.63	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	52.992	0.578	2000.0	1361.0	61.274	1.112	2.11		Sand	31.5			50.09	1.23	61.75	111.18	0.95	0.721	1.051	0.154	0.215	0.30	0.03	0.06
16.404	51.277	0.374	2020.5	1371.3	59.019	0.744	2.02		Sand	24.6			48.47	1.24	60.15	100.15	0.95	0.723	1.046	0.137	0.182	0.25	0.03	0.06
16.568	49.834	0.550	2041.0	1381.6	57.099	1.127	2.13		Sand	33.7			47.10	1.23	57.79	108.63	0.95	0.724	1.048	0.150	0.206	0.28	0.03	0.06
16.732	48.721	0.582	2061.5	1391.8	55.579	1.220	2.16		Sand	36.1			46.05	1.22	56.28	108.90	0.95	0.725	1.048	0.150	0.206	0.28	0.03	0.06
16.896	46.382	0.499	2082.0	1402.1	52.647	1.101	2.16		Sand	35.5			43.84	1.22	53.57	105.06	0.95	0.726	1.046	0.144	0.194	0.27	0.03	0.06
17.060	41.412	0.813	2102.5	1412.4	46.694	2.014	2.36		Sand	51.7			39.14	1.22	47.59	106.89	0.95	0.727	1.045	0.147	0.200	0.27	0.03	0.06
17.224	34.641	0.999	2123.0	1422.6	38.708	2.975	2.53		Sand	65.6			32.74	1.22	39.86	101.14	0.95	0.728	1.043	0.139	0.183	0.25	0.03	0.06
17.388	33.032	1.122	2143.5	1432.9	36.709	3.511	2.60		Sand	70.8			31.22	1.21	37.92	99.74	0.94	0.729	1.041	0.137	0.180	0.25	0.03	0.06
17.552	39.059	0.932	2164.0	1443.2	43.465	2.454	2.44		Sand	58.1			36.92	1.20	44.48	105.12	0.94	0.730	1.042	0.144	0.194	0.27	0.03	0.06
17.717	48.452	1.049	2184.6	1453.5	54.010	2.215	2.34		Sand	50.1			45.80	1.19	54.56	115.06	0.94	0.731	1.045	0.161	0.227	0.31	0.03	0.05
17.881	53.139	1.121	2205.1	1463.8	59.135	2.154	2.30		Sand	47.1			50.23	1.18	59.44	119.85	0.94	0.731	1.046	0.171	0.248	0.34	0.03	0.05
18.045	50.135	1.371	2225.6	1474.0	55.515	2.797	2.40		Sand	54.9	50.23		50.23	1.18	59.14	122.76	0.94	0.732	1.046	0.178	0.261	0.36	0.03	0.05
18.209	43.114	1.491	2246.1	1484.3	47.388	3.551	2.52		Sand	64.7	50.23		50.23	1.17	58.85	125.35	0.94	0.733	1.046	0.184	0.275	0.38	0.03	0.05
18.373	34.233	1.219	2266.6	1494.5	39.906	3.683	2.59		Mixed	69.8	50.23		50.23	1.17	58.63	126.29	0.94	0.734	1.046	0.187	0.280	0.38	0.03	0.05
18.537	25.984	0.867	2287.1	1504.8	33.015	3.490	2.63		Clay	73.4			24.56	1.09	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.701	19.168	0.696	2307.6	1515.1	23.780	3.864	2.77		Clay	84.3			18.12	1.09	n.a.	n.a.	0.94	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
18.865	22.155	0.605	2328.1	1525.3	27.523	2.882	2.64		Clay	73.8			20.94	1.09	n.a.	n.a.	0.94	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.029	31.782	0.766	2348.6	1535.6	33.960	2.503	2.53		Sand	65.1	37.58	1.72	64.64	1.14	73.77	144.65	0.94	0.737	1.049	0.257	0.433	0.59	0.02	0.04
19.193	39.763	1.150	2369.1	1545.9	42.661	2.981	2.50		Sand	63.1		1.72	64.64	1.14	73.60	143.89	0.94	0.738	1.048	0.253	0.424	0.57	0.02	0.04
19.357	37.140	1.200	2389.6	1556.1	39.618	3.338	2.56		Sand	67.7	37.58	1.72	64.64	1.13	73.36	144.79	0.94	0.738	1.047	0.258	0.434	0.59	0.02	0.04
19.521	36.201	1.015	2410.1	1566.4	38.445	2.900	2.53		Sand	65.1	37.58	1.72	64.64	1.13	73.19	143.93	0.93	0.739	1.046	0.253	0.424	0.57	0.02	0.04
19.685	36.945	0.658	2430.6	1576.7	39.123	1.842	2.39		Sand	54.5	37.58	1.72	64.64	1.13	73.13	140.42	0.93	0.740	1.043	0.236	0.386	0.52	0.02	0.04
19.849	36.271	0.779	2451.1	1586.9	38.249	2.223	2.45		Sand	59.2	37.58	1.72	64.64	1.13	72.88	141.78	0.93	0.740	1.043	0.243	0.399	0.54	0.02	0.04
20.013	28.180	0.959	2471.6	1597.2	33.739	3.559	2.63		Clay	73.3			26.64	1.08	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	19.196	0.884	2492.1	1607.5	22.333	4.925	2.86		Clay	91.5			18.14	1.08	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	14.662	0.489	2512.6	1617.7	16.573	3.648	2.87		Clay	92.7			13.86	1.07	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	12.149	0.333	2533.1	1628.0	13.369	3.060	2.90		Clay	94.9			11.48	1.07	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	12.204	0.334	2553.6	1638.3	13.340	3.057	2.90		Clay	94.9			11.53	1.07	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	12.808	0.227	2574.1	1648.5	13.977	1.970	2.77		Clay	85.0			12.11	1.07	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	12.449	0.244	2594.6	1658.8	13.445	2.188	2.81		Clay	88.1			11.77	1.07	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	11.311	0.276	2615.1	1669.1	11.987	2.759	2.91		Clay	95.9			10.69	1.06	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.325	10.523	0.219	2635.6	1679.3	10.963	2.379	2.91		Clay	95.6			9.95	1.06	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.490	10.696	0.239	2656.3	1689.7	11.088	2.551	2.92		Clay	96.6			10.11	1.06	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.654	11.081	0.278	2676.8	1699.9	11.462	2.853	2.94		Clay	97.9			10.47	1.06	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.818	11.481	0.315	2697.3	1710.2	11.849	3.109	2.95		Clay	98.6			10.85	1.06	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.982	11.505	0.345	2717.8	1720.5	11.795	3.400	2.97		Clay	100.0			10.87	1.06	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	11.054	0.360	2738.3	1730.7	11.192	3.717	3.01		Clay	100.0			10.45	1.05	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.310	10.483	0.365	2758.8	1741.0	10.458	4.009	3.05		Clay	100.0			9.91	1.05	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	9.819	0.329	2779.3	1751.3	9.627	3.903	3.08		Clay	100.0			9.28	1.05	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	9.211	0.257	2799.8	1761.5	8.869	3.290	3.06		Clay	100.0			8.71	1.05	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	8.959	0.232	2820.3	1771.8	8.521	3.073	3.06		Clay	100.0			8.47	1.05	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	9.157	0.149	2840.8	1782.1	8.683	1.926	2.94		Clay	98.6			8.66	1.05	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	9.531	0.196	2861.3	1792.3	9.039	2.420	2.98		Clay	100.0			9.01	1.04	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	9.522	0.257	2881.8	1802.6	8.966	3.180	3.05		Clay	100.0			9.00	1.04	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	9.493	0.249	2902.3	1812.9	8.872	3.096	3.05		Clay	100.0			8.97	1.04	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	9.427	0.236	2922.8	1823.1	8.738	2.963	3.04		Clay	100.0			8.91	1.04	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	9.701	0.220	2943.3	1833.4	8.977	2.673	3.01		Clay	100.0			9.17	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	10.568	0.227	2963.8	1843.7	9.857	2.498	2.96		Clay	99.6			9.99	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	12.840	0.319	2984.3	1853.9	12.242	2.811	2.91		Clay	95.7			12.14	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	15.974	0.497	3004.8	1864.2	15.526	3.434	2.88		Clay	93.2			15.10	1.03	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	18.415	0.676	3025.3	1874.5	18.034	3.999	2.87		Clay	92.4			17.41	1.03	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	18.575	0.848	3045.8	1884.7	18.095	4.973	2.93		Clay	97.2			17.56	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	18.351	0.812	3066.3	1895.0	17.750	4.828	2.93		Clay	97.0			17.34	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	18.766	0.808	3086.8	1905.3	18.079	4.692	2.91		Clay	95.9			17.74	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	22.040	0.933	3107.3	1915.5	21.390	4.554	2.85		Clay	90.8			20.83	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	22.055	0.891	3127.8	1925.8	21.281	4.348	2.84		Clay	89.9			20.85	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	20.183	0.668	3148.4	1936.1	19.223	3.590	2.82		Clay	88.3			19.08	1.02	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	16.256	0.586	3168.9	1946.4	15.076	3.994	2.93		Clay	97.2			15.36	1.02	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	14.649	0.512	3189.4	1956.7	13.343	3.922	2.96		Clay	100.0			13.85	1.02	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	14.279	0.448	3209.9	1966.9	12.887	3.535	2.95		Clay	98.9			13.50	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	14.717	0.628	3230.4	1977.2	13.253	4.793	3.02		Clay	100.0			13.91	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	20.972	0.513	3250.9	1987.5	19.469	2.652	2.73		Clay	81.5			19.82	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	30.748	0.463	3271.4	1997.7	28.319	1.590	2.47		Sand	60.5	42.04	1.78	74.83	1.02	76.61	146.95	0.90	0.752	1.009	0.270	0.445	0.59	0.02	0.04
26.575	40.619	0.455	3291.9	2008.0	37.814	1.167	2.29		Sand	46.1	42.04	1.78	74.83	1.02	76.49	140.76	0.90	0.752	1.008	0.238	0.376	0.50	0.02	0.04
26.739	44.482	0.490	3312.4	2018.3	41.447	1.144	2.25		Sand	43.1		1.78	74.84	1.02	76.35	138.79	0.90	0.752	1.007	0.229	0.357	0.48	0.02	0.04
26.903	43.837	0.672	3332.9	2028.5	40.709	1.594	2.34		Sand	50.3	42.04	1.78	74.83	1.02	76.16	142.49	0.90	0.752	1.006	0.246	0.392	0.52	0.02	0.04
27.067	40.197	0.945	3353.4	2038.8	37.092	2.453	2.49		Sand	62.3	42.04	1.78	74.83	1.02	75.98	146.69	0.90	0.752	1.006	0.268	0.440	0.59	0.02	0.04

CORNERSTONE EARTH GROUP

CPT No.	5

PGA (A_{max})	0.76

Total Settlement:	2.63	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{H1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	CRR$_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	32.890	0.957	3373.9	2049.1	30.456	3.067	2.62		Clay	72.5			31.09	1.01	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	24.534	0.927	3394.4	2059.3	22.179	4.059	2.80		Clay	87.2			23.19	1.01	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	17.690	0.618	3414.9	2069.6	15.445	3.867	2.91		Clay	95.8			16.72	1.01	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	14.532	0.593	3435.4	2079.9	12.322	4.628	3.04		Clay	100.0			13.74	1.00	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	13.387	0.473	3455.9	2090.1	11.156	4.057	3.03		Clay	100.0			12.65	1.00	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	12.868	0.400	3476.4	2100.4	10.598	3.594	3.02		Clay	100.0			12.16	1.00	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	12.023	0.384	3496.9	2110.7	9.736	3.737	3.06		Clay	100.0			11.36	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	10.920	0.366	3517.4	2120.9	8.639	3.995	3.12		Clay	100.0			10.32	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	9.807	0.276	3537.9	2131.2	7.543	3.434	3.13		Clay	100.0			9.27	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	9.153	0.247	3558.4	2141.5	6.887	3.350	3.16		Clay	100.0			8.65	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	8.759	0.259	3578.9	2151.7	6.478	3.716	3.21		Clay	100.0			8.28	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	8.644	0.290	3599.4	2162.0	6.331	4.237	3.25		Clay	100.0			8.17	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	8.879	0.303	3619.9	2172.3	6.508	4.286	3.24		Clay	100.0			8.39	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	9.427	0.328	3640.5	2182.6	6.970	4.312	3.22		Clay	100.0			8.91	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	9.982	0.228	3661.0	2192.9	7.435	2.797	3.09		Clay	100.0			9.43	0.99	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	10.711	0.275	3681.5	2203.1	8.052	3.100	3.08		Clay	100.0			10.12	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	11.193	0.391	3702.0	2213.4	8.441	4.185	3.14		Clay	100.0			10.58	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	12.235	0.372	3722.5	2223.7	9.330	3.586	3.07		Clay	100.0			11.56	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	11.917	0.355	3743.0	2233.9	8.994	3.534	3.08		Clay	100.0			11.26	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	11.264	0.319	3763.5	2244.2	8.361	3.400	3.09		Clay	100.0			10.65	0.98	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	9.888	0.330	3784.0	2254.5	7.094	4.127	3.20		Clay	100.0			9.35	0.98	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	9.515	0.324	3804.5	2264.7	6.723	4.256	3.23		Clay	100.0			8.99	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	9.481	0.343	3825.0	2275.0	6.654	4.532	3.24		Clay	100.0			8.96	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	9.494	0.316	3845.5	2285.3	6.626	4.174	3.23		Clay	100.0			8.97	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	9.465	0.319	3866.0	2295.5	6.562	4.235	3.23		Clay	100.0			8.95	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	9.299	0.316	3886.5	2305.8	6.380	4.296	3.25		Clay	100.0			8.79	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	9.256	0.298	3907.0	2316.0	6.306	4.081	3.24		Clay	100.0			8.75	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	9.368	0.301	3927.5	2326.3	6.366	4.065	3.23		Clay	100.0			8.85	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	9.621	0.340	3948.0	2336.6	6.545	4.446	3.25		Clay	100.0			9.09	0.97	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	9.930	0.378	3968.5	2346.8	6.771	4.757	3.25		Clay	100.0			9.39	0.97	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	10.280	0.412	3989.0	2357.1	7.030	4.973	3.25		Clay	100.0			9.72	0.97	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	10.605	0.394	4009.5	2367.4	7.266	4.581	3.22		Clay	100.0			10.02	0.97	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	10.716	0.421	4030.0	2377.6	7.319	4.839	3.23		Clay	100.0			10.13	0.97	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	10.694	0.395	4050.5	2387.9	7.261	4.557	3.22		Clay	100.0			10.11	0.97	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	10.868	0.348	4071.0	2398.2	7.366	3.940	3.17		Clay	100.0			10.27	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	11.619	0.389	4091.5	2408.4	7.950	4.063	3.15		Clay	100.0			10.98	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	12.294	0.373	4112.0	2418.7	8.466	3.643	3.10		Clay	100.0			11.62	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	11.505	0.307	4132.6	2429.0	7.772	3.253	3.11		Clay	100.0			10.87	0.96	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	9.760	0.234	4153.1	2439.3	6.300	3.046	3.17		Clay	100.0			9.22	0.96	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	8.011	0.181	4173.6	2449.6	4.837	3.055	3.27		Clay	100.0			7.57	0.96	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	7.424	0.127	4194.1	2459.8	4.331	2.384	3.25		Clay	100.0			7.02	0.96	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	7.310	0.123	4214.6	2470.1	4.213	2.364	3.26		Clay	100.0			6.91	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	7.483	0.123	4235.1	2480.4	4.326	2.292	3.24		Clay	100.0			7.07	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	7.678	0.109	4255.6	2490.6	4.457	1.964	3.20		Clay	100.0			7.26	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	7.970	0.101	4276.1	2500.9	4.664	1.732	3.16		Clay	100.0			7.53	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	8.280	0.115	4296.6	2511.2	4.884	1.876	3.16		Clay	100.0			7.83	0.96	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	8.805	0.125	4317.1	2521.4	5.272	1.881	3.13		Clay	100.0			8.32	0.95	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	9.464	0.243	4337.6	2531.7	5.763	3.331	3.22		Clay	100.0			8.95	0.95	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	11.403	0.322	4358.1	2542.0	7.257	3.491	3.15		Clay	100.0			10.78	0.95	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	13.179	0.314	4378.6	2552.2	8.612	2.857	3.04		Clay	100.0			12.46	0.95	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	15.635	0.321	4399.1	2562.5	10.486	2.389	2.92		Clay	97.0			14.78	0.95	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	17.701	0.303	4419.6	2572.8	12.042	1.956	2.83		Clay	89.2			16.73	0.95	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	21.118	0.252	4440.1	2583.0	14.632	1.333	2.67		Clay	76.5			19.96	0.95	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	24.409	0.362	4460.6	2593.3	17.105	1.632	2.66		Clay	75.5			23.07	0.95	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	26.374	0.436	4481.1	2603.6	18.539	1.807	2.65		Clay	75.1			24.93	0.95	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	26.279	0.448	4501.6	2613.8	18.385	1.864	2.66		Clay	76.0			24.84	0.95	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	24.848	0.432	4522.1	2624.1	17.215	1.913	2.69		Clay	78.3			23.49	0.94	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	23.970	0.405	4542.6	2634.4	16.474	1.866	2.70		Clay	79.1			22.66	0.94	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	24.941	0.399	4563.1	2644.6	17.136	1.761	2.67		Clay	76.9			23.57	0.94	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	28.335	0.556	4583.6	2654.9	19.619	2.135	2.67		Clay	76.8			26.78	0.94	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	33.412	0.763	4604.1	2665.2	23.346	2.453	2.65		Clay	74.8			31.58	0.94	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	40.837	1.180	4624.8	2675.5	28.798	3.063	2.64		Clay	74.0			38.60	0.94	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	45.076	1.659	4645.3	2685.8	31.837	3.880	2.67		Clay	76.8			42.60	0.94	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	43.964	1.884	4665.8	2696.0	30.883	4.525	2.73		Clay	81.2			41.55	0.94	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	37.221	1.890	4686.3	2706.3	25.775	5.419	2.84		Clay	90.1			35.18	0.94	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	31.315	1.667	4706.8	2716.6	21.322	5.756	2.92		Clay	96.3			29.60	0.94	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	30.608	1.252	4727.3	2726.8	20.716	4.433	2.85		Clay	91.0			28.93	0.94	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 5

PGA (A_{max}) 0.76

Total Settlement: 2.63 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	32.197	1.076	4747.8	2737.1	21.792	3.608	2.78		Clay	85.0			30.43	0.93	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	33.083	0.879	4768.3	2747.4	22.348	2.863	2.70		Clay	79.3			31.27	0.93	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	30.462	1.075	4788.8	2757.6	20.356	3.830	2.81		Clay	88.2			28.79	0.93	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	26.124	1.013	4809.3	2767.9	17.139	4.271	2.90		Clay	95.2			24.69	0.93	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	21.908	0.851	4829.8	2778.2	14.033	4.366	2.98		Clay	100.0			20.71	0.93	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	18.723	0.655	4850.3	2788.4	11.690	4.019	3.02		Clay	100.0			17.70	0.93	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	17.115	0.528	4870.8	2798.7	10.490	3.597	3.03		Clay	100.0			16.18	0.93	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	16.660	0.461	4891.3	2809.0	10.121	3.243	3.01		Clay	100.0			15.75	0.93	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	17.018	0.488	4911.8	2819.2	10.331	3.351	3.01		Clay	100.0			16.09	0.93	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	17.508	0.536	4932.3	2829.5	10.632	3.563	3.02		Clay	100.0			16.55	0.93	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	17.398	0.292	4952.8	2839.8	10.509	1.957	2.88		Clay	93.2			16.44	0.93	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	18.290	0.382	4973.3	2850.0	11.090	2.417	2.91		Clay	95.6			17.29	0.92	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	18.949	0.702	4993.8	2860.3	11.504	4.267	3.04		Clay	100.0			17.91	0.92	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	18.811	0.644	5014.3	2870.6	11.359	3.950	3.02		Clay	100.0			17.78	0.92	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	16.471	0.500	5034.8	2880.8	9.687	3.583	3.05		Clay	100.0			15.57	0.92	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	13.804	0.383	5055.3	2891.1	7.801	3.396	3.12		Clay	100.0			13.05	0.92	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	12.368	0.257	5075.8	2901.4	6.776	2.614	3.11		Clay	100.0			11.69	0.92	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	12.382	0.231	5096.3	2911.6	6.755	2.349	3.08		Clay	100.0			11.70	0.92	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	13.202	0.251	5116.9	2922.0	7.285	2.358	3.06		Clay	100.0			12.48	0.92	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	14.095	0.310	5137.4	2932.2	7.862	2.689	3.06		Clay	100.0			13.32	0.92	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	14.592	0.332	5157.9	2942.5	8.165	2.764	3.05		Clay	100.0			13.79	0.92	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	14.515	0.376	5178.4	2952.8	8.078	3.153	3.09		Clay	100.0			13.72	0.92	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	14.012	0.397	5198.9	2963.0	7.703	3.479	3.13		Clay	100.0			13.24	0.92	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	13.371	0.400	5219.4	2973.3	7.239	3.717	3.17		Clay	100.0			12.64	0.91	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	13.838	0.426	5239.9	2983.6	7.520	3.797	3.16		Clay	100.0			13.08	0.91	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	15.806	0.532	5260.4	2993.8	8.802	4.038	3.12		Clay	100.0			14.94	0.91	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	17.508	0.533	5280.9	3004.1	9.898	3.585	3.04		Clay	100.0			16.55	0.91	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	18.786	0.476	5301.4	3014.4	10.706	2.950	2.97		Clay	100.0			17.76	0.91	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	17.898	0.523	5321.9	3024.6	10.075	3.432	3.03		Clay	100.0			16.92	0.91	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	18.642	0.357	5342.4	3034.9	10.525	2.235	2.91		Clay	95.6			17.62	0.91	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	27.046	0.784	5362.9	3045.2	16.002	3.218	2.85		Clay	90.9			25.56	0.91	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	36.449	1.386	5383.4	3055.4	22.097	4.106	2.81		Clay	87.6			34.45	0.91	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	42.792	1.944	5403.9	3065.7	26.154	4.849	2.80		Clay	87.1			40.45	0.91	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	39.484	1.965	5424.4	3076.0	23.909	5.344	2.86		Clay	91.6			37.32	0.91	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	34.004	1.641	5444.9	3086.2	20.272	5.246	2.91		Clay	95.4			32.14	0.91	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	29.818	1.593	5465.4	3096.5	17.494	5.881	2.99		Clay	100.0			28.18	0.90	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	26.679	1.439	5485.9	3106.8	15.409	6.012	3.03		Clay	100.0			25.22	0.90	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.291	25.119	1.206	5506.4	3117.0	14.351	5.392	3.03		Clay	100.0			23.74	0.90	n.a.	n.a.	0.81	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.455	22.836	1.077	5526.9	3127.3	12.837	5.366	3.06		Clay	100.0			21.58	0.90	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.619	20.260	0.960	5547.4	3137.5	11.146	5.490	3.12		Clay	100.0			19.15	0.90	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	17.706	0.723	5567.9	3147.8	9.481	4.845	3.14		Clay	100.0			16.74	0.90	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	15.889	0.728	5588.5	3158.1	8.293	5.559	3.22		Clay	100.0			15.02	0.90	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	16.490	0.865	5609.0	3168.4	8.639	6.321	3.24		Clay	100.0			15.59	0.90	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	16.876	0.739	5629.5	3178.7	8.847	5.256	3.18		Clay	100.0			15.95	0.90	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	18.773	0.699	5650.0	3188.9	10.002	4.383	3.09		Clay	100.0			17.74	0.90	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	19.812	0.764	5670.5	3199.2	10.613	4.500	3.08		Clay	100.0			18.73	0.90	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	19.555	0.646	5691.0	3209.5	10.413	3.866	3.05		Clay	100.0			18.48	0.90	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.932	17.832	0.594	5711.5	3219.7	9.303	3.966	3.09		Clay	100.0			16.85	0.90	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.096	14.958	0.446	5732.0	3230.0	7.487	3.688	3.15		Clay	100.0			14.14	0.89	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.260	14.532	0.222	5752.5	3240.3	7.194	1.905	3.01		Clay	100.0			13.74	0.89	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.424	18.426	0.574	5773.0	3250.5	9.561	3.694	3.06		Clay	100.0			17.42	0.89	n.a.	n.a.	0.79	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.588	31.970	1.282	5793.5	3260.8	17.832	4.410	2.90		Clay	94.8			30.22	0.89	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.752	55.063	1.347	5814.0	3271.1	39.649	2.583	2.48		Sand	61.7	66.28	1.8	119.30	0.86	102.12	180.04	0.79	0.709	0.908	0.727	1.380	1.95	0.00	0.00
46.916	70.123	0.754	5834.5	3281.3	51.010	1.122	2.17		Sand	36.8		1.8	119.30	0.85	100.97	164.44	0.79	0.708	0.920	0.422	0.720	1.02	0.01	0.02
47.080	65.768	0.805	5855.0	3291.6	47.622	1.281	2.23		Sand	41.4	66.28	1.8	119.30	0.85	101.13	168.57	0.79	0.708	0.916	0.480	0.841	1.19	0.01	0.01
47.244	47.440	1.144	5875.5	3301.9	26.956	2.571	2.61		Clay	71.9			44.84	0.89	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.408	30.524	1.152	5896.0	3312.1	16.651	4.178	2.91		Clay	95.5			28.85	0.89	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	22.099	0.999	5916.5	3322.4	11.522	5.219	3.09		Clay	100.0			20.89	0.89	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	17.461	0.695	5937.0	3332.7	8.697	4.796	3.17		Clay	100.0			16.50	0.89	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	15.468	0.486	5957.5	3342.9	7.472	3.891	3.17		Clay	100.0			14.62	0.89	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	15.435	0.446	5978.0	3353.2	7.423	3.583	3.15		Clay	100.0			14.59	0.89	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	15.897	0.431	5998.5	3363.5	7.669	3.342	3.12		Clay	100.0			15.03	0.88	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	15.996	0.386	6019.0	3373.7	7.699	2.972	3.09		Clay	100.0			15.12	0.88	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	15.292	0.415	6039.5	3384.0	7.253	3.382	3.14		Clay	100.0			14.45	0.88	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	14.019	0.454	6060.0	3394.3	6.475	4.131	3.23		Clay	100.0			13.25	0.88	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	13.113	0.412	6080.6	3404.6	5.917	4.090	3.26		Clay	100.0			12.39	0.88	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	12.816	0.336	6101.1	3414.9	5.719	3.441	3.23		Clay	100.0			12.11	0.88	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	5

PGA (A_{max})	0.76

Total Settlement:	2.63	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	Ic	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K..)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	13.049	0.289	6121.6	3425.1	5.832	2.893	3.18		Clay	100.0			12.33	0.88	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	13.428	0.309	6142.1	3435.4	6.030	2.984	3.18		Clay	100.0			12.69	0.88	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	13.741	0.283	6162.6	3445.7	6.187	2.655	3.14		Clay	100.0			12.99	0.88	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	14.359	0.359	6183.1	3455.9	6.521	3.186	3.17		Clay	100.0			13.57	0.88	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	15.099	0.413	6203.6	3466.2	6.922	3.442	3.16		Clay	100.0			14.27	0.88	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	15.967	0.454	6224.1	3476.5	7.395	3.532	3.15		Clay	100.0			15.09	0.88	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.197	16.309	0.475	6244.6	3486.7	7.564	3.602	3.14		Clay	100.0			15.41	0.88	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.361	16.750	0.504	6265.1	3497.0	7.788	3.701	3.14		Clay	100.0			15.83	0.88	n.a.	n.a.	0.77	0.696	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.525	17.086	0.466	6285.6	3507.3	7.951	3.342	3.11		Clay	100.0			16.15	0.88	n.a.	n.a.	0.77	0.696	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.689	17.606	0.456	6306.1	3517.5	8.218	3.155	3.08		Clay	100.0			16.64	0.87	n.a.	n.a.	0.77	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.853	18.223	0.554	6326.6	3527.8	8.538	3.679	3.10		Clay	100.0			17.22	0.87	n.a.	n.a.	0.77	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.017	18.255	0.732	6347.1	3538.1	8.525	4.854	3.18		Clay	100.0			17.25	0.87	n.a.	n.a.	0.77	0.694	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.181	17.663	0.706	6367.6	3548.3	8.161	4.876	3.19		Clay	100.0			16.69	0.87	n.a.	n.a.	0.77	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.345	16.461	0.618	6388.1	3558.6	7.456	4.658	3.21		Clay	100.0			15.56	0.87	n.a.	n.a.	0.77	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.509	15.513	0.413	6408.6	3568.9	6.898	3.355	3.16		Clay	100.0			14.66	0.87	n.a.	n.a.	0.77	0.692	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.673	15.304	0.348	6429.1	3579.1	6.756	2.879	3.13		Clay	100.0			14.47	0.87	n.a.	n.a.	0.77	0.692	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.837	15.701	0.308	6449.6	3589.4	6.952	2.469	3.08		Clay	100.0			14.84	0.87	n.a.	n.a.	0.77	0.691	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.001	16.089	0.251	6470.1	3599.7	7.142	1.953	3.02		Clay	100.0			15.21	0.87	n.a.	n.a.	0.76	0.690	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.165	17.403	0.449	6490.6	3609.9	7.844	3.171	3.10		Clay	100.0			16.45	0.87	n.a.	n.a.	0.76	0.690	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.329	20.224	0.424	6511.1	3620.2	9.374	2.499	2.98		Clay	100.0			19.12	0.87	n.a.	n.a.	0.76	0.689	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.493	22.458	0.479	6531.6	3630.5	10.573	2.496	2.93		Clay	97.6			21.23	0.87	n.a.	n.a.	0.76	0.689	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.657	24.400	0.767	6552.1	3640.7	11.604	3.631	2.99		Clay	100.0			23.06	0.87	n.a.	n.a.	0.76	0.688	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.822	24.479	0.873	6572.8	3651.1	11.609	4.119	3.03		Clay	100.0			23.14	0.87	n.a.	n.a.	0.76	0.687	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.986	24.449	1.031	6593.3	3661.3	11.554	4.874	3.07		Clay	100.0			23.11	0.87	n.a.	n.a.	0.76	0.687	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.150	22.981	0.980	6613.8	3671.6	10.717	4.981	3.10		Clay	100.0			21.72	0.86	n.a.	n.a.	0.76	0.686	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.314	21.453	0.846	6634.3	3681.9	9.851	4.665	3.11		Clay	100.0			20.28	0.86	n.a.	n.a.	0.76	0.686	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.478	20.845	0.695	6654.8	3692.1	9.489	3.967	3.09		Clay	100.0			19.70	0.86	n.a.	n.a.	0.76	0.685	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.642	20.806	0.698	6675.3	3702.4	9.436	3.996	3.09		Clay	100.0			19.67	0.86	n.a.	n.a.	0.76	0.684	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.806	20.460	0.719	6695.8	3712.7	9.218	4.202	3.11		Clay	100.0			19.34	0.86	n.a.	n.a.	0.76	0.684	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.970	19.731	0.699	6716.3	3722.9	8.796	4.269	3.13		Clay	100.0			18.65	0.86	n.a.	n.a.	0.75	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.134	18.781	0.652	6736.8	3733.2	8.257	4.230	3.15		Clay	100.0			17.75	0.86	n.a.	n.a.	0.75	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.298	18.009	0.582	6757.3	3743.5	7.817	3.978	3.15		Clay	100.0			17.02	0.86	n.a.	n.a.	0.75	0.682	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.462	17.488	0.585	6777.8	3753.7	7.512	4.149	3.18		Clay	100.0			16.53	0.86	n.a.	n.a.	0.75	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.626	17.074	0.641	6798.3	3764.0	7.266	4.687	3.22		Clay	100.0			16.14	0.86	n.a.	n.a.	0.75	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.790	16.754	0.599	6818.8	3774.3	7.071	4.489	3.22		Clay	100.0			15.84	0.86	n.a.	n.a.	0.75	0.680	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.954	16.428	0.617	6839.3	3784.5	6.875	4.743	3.24		Clay	100.0			15.53	0.86	n.a.	n.a.	0.75	0.680	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.118	17.949	0.855	6859.8	3794.8	7.652	5.889	3.26		Clay	100.0			16.97	0.86	n.a.	n.a.	0.75	0.679	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.282	18.973	0.937	6880.3	3805.1	8.164	6.032	3.25		Clay	100.0			17.93	0.86	n.a.	n.a.	0.75	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.446	22.906	0.883	6900.8	3815.3	10.199	4.539	3.10		Clay	100.0			21.65	0.86	n.a.	n.a.	0.75	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.610	27.909	1.075	6921.3	3825.6	12.782	4.397	3.01		Clay	100.0			26.38	0.86	n.a.	n.a.	0.75	0.677	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.774	35.187	1.132	6941.8	3835.9	16.537	3.569	2.87		Clay	92.2			33.26	0.85	n.a.	n.a.	0.74	0.677	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.938	39.314	1.370	6962.3	3846.1	18.633	3.823	2.84		Clay	90.5			37.16	0.85	n.a.	n.a.	0.74	0.676	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.102	37.877	0.706	6982.8	3856.4	17.833	2.053	2.70		Clay	78.7			35.80	0.85	n.a.	n.a.	0.74	0.675	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.266	31.732	0.921	7003.3	3866.7	14.602	3.262	2.88		Clay	93.8			29.99	0.85	n.a.	n.a.	0.74	0.675	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.430	24.007	0.855	7023.8	3876.9	10.573	4.172	3.06		Clay	100.0			22.69	0.85	n.a.	n.a.	0.74	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.594	18.166	0.491	7044.3	3887.2	7.534	3.353	3.13		Clay	100.0			17.17	0.85	n.a.	n.a.	0.74	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.759	15.308	0.322	7064.9	3897.5	6.043	2.734	3.16		Clay	100.0			14.47	0.85	n.a.	n.a.	0.74	0.673	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.923	14.627	0.286	7085.4	3907.8	5.673	2.580	3.17		Clay	100.0			13.83	0.85	n.a.	n.a.	0.74	0.672	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.087	15.243	0.303	7105.9	3918.0	5.967	2.592	3.15		Clay	100.0			14.41	0.85	n.a.	n.a.	0.74	0.672	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.251	16.550	0.392	7126.4	3928.3	6.612	3.018	3.15		Clay	100.0			15.64	0.85	n.a.	n.a.	0.74	0.671	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.415	18.585	0.509	7146.9	3938.6	7.623	3.391	3.12		Clay	100.0			17.57	0.85	n.a.	n.a.	0.74	0.670	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.579	20.441	0.636	7167.4	3948.8	8.538	3.773	3.11		Clay	100.0			19.32	0.85	n.a.	n.a.	0.74	0.670	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.743	21.528	0.810	7187.9	3959.1	9.060	4.517	3.14		Clay	100.0			20.35	0.85	n.a.	n.a.	0.73	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.907	21.484	0.885	7208.4	3969.4	9.009	4.950	3.16		Clay	100.0			20.31	0.85	n.a.	n.a.	0.73	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.071	21.307	0.819	7228.9	3979.6	8.892	4.629	3.15		Clay	100.0			20.14	0.85	n.a.	n.a.	0.73	0.668	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.235	21.624	0.743	7249.4	3989.9	9.022	4.128	3.11		Clay	100.0			20.44	0.85	n.a.	n.a.	0.73	0.667	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.399	22.036	0.688	7269.9	4000.2	9.200	3.739	3.08		Clay	100.0			20.83	0.85	n.a.	n.a.	0.73	0.667	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.563	22.311	0.661	7290.4	4010.4	9.309	3.541	3.06		Clay	100.0			21.09	0.84	n.a.	n.a.	0.73	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.727	22.150	0.614	7310.9	4020.7	9.200	3.320	3.05		Clay	100.0			20.94	0.84	n.a.	n.a.	0.73	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.891	21.296	0.510	7331.4	4031.0	8.747	2.893	3.04		Clay	100.0			20.13	0.84	n.a.	n.a.	0.73	0.665	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.055	19.868	0.397	7351.9	4041.2	8.013	2.452	3.03		Clay	100.0			18.78	0.84	n.a.	n.a.	0.73	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.219	18.027	0.344	7372.4	4051.5	7.079	2.399	3.07		Clay	100.0			17.04	0.84	n.a.	n.a.	0.73	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.383	16.291	0.293	7392.9	4061.8	6.202	2.326	3.11		Clay	100.0			15.40	0.84	n.a.	n.a.	0.73	0.663	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.547	15.389	0.294	7413.4	4072.0	5.738	2.517	3.16		Clay	100.0			14.55	0.84	n.a.	n.a.	0.73	0.663	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.711	14.689	0.273	7433.9	4082.3	5.375	2.488	3.18		Clay	100.0			13.88	0.84	n.a.	n.a.	0.73	0.662	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.875	14.605	0.702	7454.4	4092.6	5.316	6.454	3.41		Clay	100.0			13.80	0.84	n.a.	n.a.	0.72	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.039	16.102	0.620	7474.9	4102.8	6.027	5.014	3.30		Clay	100.0			15.22	0.84	n.a.	n.a.	0.72	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	5

PGA (A_{max})	0.76

Total Settlement:	2.63	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
60.203	16.896	0.362	7495.4	4113.1	6.393	2.753	3.14		Clay	100.0			15.97	0.84	n.a.	n.a.	0.72	0.660	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.367	18.402	0.416	7515.9	4123.4	7.103	2.841	3.11		Clay	100.0			17.39	0.84	n.a.	n.a.	0.72	0.660	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.531	20.850	0.597	7536.4	4133.6	8.265	3.495	3.10		Clay	100.0			19.71	0.84	n.a.	n.a.	0.72	0.659	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.696	23.921	0.789	7557.0	4144.0	9.721	3.917	3.07		Clay	100.0			22.61	0.84	n.a.	n.a.	0.72	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.860	25.170	0.778	7577.5	4154.2	10.294	3.639	3.03		Clay	100.0			23.79	0.84	n.a.	n.a.	0.72	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.024	22.412	0.695	7598.0	4164.5	8.939	3.734	3.09		Clay	100.0			21.18	0.84	n.a.	n.a.	0.72	0.657	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.188	19.798	0.551	7618.5	4174.8	7.660	3.446	3.13		Clay	100.0			18.71	0.84	n.a.	n.a.	0.72	0.657	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.352	17.931	0.454	7639.0	4185.0	6.744	3.217	3.16		Clay	100.0			16.95	0.84	n.a.	n.a.	0.72	0.656	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.516	17.493	0.493	7659.5	4195.3	6.514	3.608	3.20		Clay	100.0			16.53	0.83	n.a.	n.a.	0.72	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.680	17.860	0.523	7680.0	4205.6	6.667	3.730	3.20		Clay	100.0			16.88	0.83	n.a.	n.a.	0.72	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.844	19.754	0.611	7700.5	4215.8	7.545	3.842	3.16		Clay	100.0			18.67	0.83	n.a.	n.a.	0.71	0.654	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.008	22.519	0.832	7721.0	4226.1	8.830	4.459	3.14		Clay	100.0			21.28	0.83	n.a.	n.a.	0.71	0.654	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.172	24.654	0.988	7741.5	4236.4	9.812	4.754	3.12		Clay	100.0			23.30	0.83	n.a.	n.a.	0.71	0.653	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.336	25.900	0.917	7762.0	4246.6	10.370	4.165	3.07		Clay	100.0			24.48	0.83	n.a.	n.a.	0.71	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.500	27.442	0.910	7782.5	4256.9	11.065	3.864	3.03		Clay	100.0			25.94	0.83	n.a.	n.a.	0.71	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.664	32.061	1.307	7803.0	4267.2	13.198	4.641	3.01		Clay	100.0			30.30	0.83	n.a.	n.a.	0.71	0.651	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.828	38.085	1.454	7823.5	4277.4	15.978	4.255	2.92		Clay	97.0			36.00	0.83	n.a.	n.a.	0.71	0.651	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.992	40.209	1.385	7844.0	4287.7	16.926	3.817	2.88		Clay	93.1			38.00	0.83	n.a.	n.a.	0.71	0.650	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.156	36.374	1.239	7864.5	4298.0	15.096	3.819	2.91		Clay	96.2			34.38	0.83	n.a.	n.a.	0.71	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.320	29.666	1.330	7885.0	4308.2	11.942	5.170	3.08		Clay	100.0			28.04	0.83	n.a.	n.a.	0.71	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.484	25.807	0.962	7905.5	4318.5	10.121	4.402	3.09		Clay	100.0			24.39	0.83	n.a.	n.a.	0.71	0.648	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.648	23.935	0.725	7926.0	4328.8	9.228	3.630	3.07		Clay	100.0			22.62	0.83	n.a.	n.a.	0.71	0.648	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.812	22.929	0.614	7946.5	4339.0	8.737	3.239	3.06		Clay	100.0			21.67	0.83	n.a.	n.a.	0.71	0.647	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.976	21.447	0.576	7967.0	4349.3	8.030	3.298	3.10		Clay	100.0			20.27	0.83	n.a.	n.a.	0.70	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.140	20.841	0.559	7987.5	4359.6	7.729	3.318	3.11		Clay	100.0			19.70	0.83	n.a.	n.a.	0.70	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.304	20.891	0.534	8008.0	4369.8	7.729	3.162	3.10		Clay	100.0			19.75	0.83	n.a.	n.a.	0.70	0.645	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.469	21.087	0.537	8028.6	4380.2	7.795	3.145	3.10		Clay	100.0			19.93	0.83	n.a.	n.a.	0.70	0.645	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.633	20.748	0.502	8049.1	4390.4	7.618	3.002	3.10		Clay	100.0			19.61	0.82	n.a.	n.a.	0.70	0.644	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.797	19.799	0.470	8069.6	4400.7	7.164	2.981	3.12		Clay	100.0			18.71	0.82	n.a.	n.a.	0.70	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.961	18.532	0.524	8090.1	4411.0	6.569	3.617	3.19		Clay	100.0			17.52	0.82	n.a.	n.a.	0.70	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.125	18.039	0.522	8110.6	4421.2	6.326	3.733	3.21		Clay	100.0			17.05	0.82	n.a.	n.a.	0.70	0.642	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.289	17.779	0.472	8131.1	4431.5	6.189	3.442	3.20		Clay	100.0			16.80	0.82	n.a.	n.a.	0.70	0.642	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.453	18.012	0.409	8151.6	4441.8	6.275	2.935	3.16		Clay	100.0			17.02	0.82	n.a.	n.a.	0.70	0.641	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.617	17.565	0.332	8172.1	4452.0	6.055	2.463	3.13		Clay	100.0			16.60	0.82	n.a.	n.a.	0.70	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.781	17.218	0.339	8192.6	4462.3	5.881	2.584	3.16		Clay	100.0			16.27	0.82	n.a.	n.a.	0.70	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.945	16.946	0.225	8213.1	4472.6	5.741	1.752	3.08		Clay	100.0			16.02	0.82	n.a.	n.a.	0.70	0.639	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.109	16.946	0.255	8233.6	4482.8	5.724	1.988	3.11		Clay	100.0			16.02	0.82	n.a.	n.a.	0.69	0.639	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.273	17.141	0.309	8254.1	4493.1	5.793	2.374	3.14		Clay	100.0			16.20	0.82	n.a.	n.a.	0.69	0.638	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.437	17.346	0.349	8274.6	4503.4	5.866	2.642	3.16		Clay	100.0			16.40	0.82	n.a.	n.a.	0.69	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.601	18.275	0.341	8295.1	4513.6	6.260	2.414	3.12		Clay	100.0			17.27	0.82	n.a.	n.a.	0.69	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.765	21.308	0.437	8315.6	4523.9	7.582	2.548	3.06		Clay	100.0			20.14	0.82	n.a.	n.a.	0.69	0.636	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.929	23.578	0.519	8336.1	4534.2	8.562	2.674	3.03		Clay	100.0			22.29	0.82	n.a.	n.a.	0.69	0.636	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.093	26.325	0.592	8356.6	4544.4	9.747	2.673	2.98		Clay	100.0			24.88	0.82	n.a.	n.a.	0.69	0.635	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.257	26.239	0.610	8377.1	4554.7	9.683	2.766	2.99		Clay	100.0			24.80	0.82	n.a.	n.a.	0.69	0.635	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.421	26.493	0.506	8397.6	4565.0	9.768	2.270	2.94		Clay	98.1			25.04	0.82	n.a.	n.a.	0.69	0.634	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.585	30.506	0.839	8418.1	4575.2	11.495	3.190	2.96		Clay	100.0			28.83	0.82	n.a.	n.a.	0.69	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.749	44.816	1.176	8438.6	4585.5	17.707	2.897	2.79		Clay	85.9			42.36	0.82	n.a.	n.a.	0.69	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.913	57.737	1.016	8459.1	4595.8	34.317	1.899	2.45		Sand	58.8			54.57	0.67	36.79	95.48	0.69	0.632	0.920	0.132	0.150	0.24	0.03	0.00
68.077	59.852	1.469	8479.6	4606.0	24.148	2.642	2.66		Clay	75.4			56.57	0.81	n.a.	n.a.	0.69	0.632	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.241	51.624	1.693	8500.1	4616.3	20.525	3.574	2.79		Clay	86.4			48.79	0.81	n.a.	n.a.	0.68	0.631	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.406	55.662	1.858	8520.8	4626.6	22.220	3.615	2.77		Clay	84.6			52.61	0.81	n.a.	n.a.	0.68	0.631	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.570	76.416	1.694	8541.3	4636.9	46.065	2.348	2.41		Sand	55.6			72.23	0.69	49.77	111.06	0.68	0.630	0.909	0.154	0.185	0.29	0.03	0.00
68.734	97.623	1.639	8561.8	4647.1	59.533	1.756	2.24		Sand	42.2			92.27	0.70	64.79	123.82	0.68	0.629	0.899	0.180	0.229	0.36	0.03	0.00
68.898	108.087	1.714	8582.3	4657.4	66.127	1.651	2.19		Sand	38.1			102.16	0.71	72.34	130.26	0.68	0.629	0.893	0.198	0.260	0.41	0.02	0.00
69.062	107.778	1.535	8602.8	4667.7	65.851	1.483	2.16		Sand	35.7			101.87	0.70	71.79	127.63	0.68	0.628	0.895	0.190	0.247	0.39	0.02	0.00
69.226	107.754	1.095	8623.3	4677.9	65.757	1.059	2.07		Sand	28.5			101.85	0.69	70.71	118.39	0.68	0.628	0.902	0.168	0.208	0.33	0.03	0.00
69.390	108.216	1.537	8643.8	4688.2	65.972	1.479	2.16		Sand	35.6			102.28	0.70	71.96	127.73	0.68	0.627	0.895	0.191	0.247	0.39	0.02	0.00
69.554	110.883	1.643	8664.3	4698.5	67.585	1.542	2.16		Sand	35.9			104.80	0.71	73.95	130.45	0.68	0.627	0.892	0.199	0.261	0.42	0.02	0.00
69.718	116.012	1.549	8684.8	4708.7	70.755	1.387	2.12		Sand	32.3			109.65	0.71	77.37	131.06	0.68	0.626	0.891	0.201	0.264	0.42	0.02	0.00
69.882	122.036	1.306	8705.3	4719.0	74.484	1.110	2.04		Sand	26.1			115.35	0.70	80.80	126.84	0.68	0.625	0.894	0.188	0.242	0.39	0.03	0.00
70.046	125.180	1.412	8725.8	4729.3	76.384	1.169	2.04		Sand	26.5			118.32	0.70	83.25	130.43	0.68	0.625	0.891	0.199	0.260	0.42	0.02	0.00
70.210	125.600	1.255	8746.3	4739.5	76.560	1.035	2.01		Sand	23.8			118.71	0.70	82.82	125.37	0.68	0.624	0.895	0.184	0.235	0.38	0.03	0.00
70.374	124.867	1.052	8766.8	4749.8	76.008	0.873	1.97		Sand	20.4			118.02	0.69	81.14	116.61	0.68	0.624	0.902	0.164	0.202	0.32	0.03	0.00
70.538	125.701	1.044	8787.3	4760.1	76.446	0.861	1.96		Sand	20.0			118.81	0.69	81.52	116.01	0.67	0.623	0.902	0.163	0.200	0.32	0.03	0.00
70.702	125.319	1.094	8807.8	4770.3	76.116	0.905	1.98		Sand	21.1			118.45	0.69	81.53	118.56	0.67	0.623	0.900	0.168	0.208	0.33	0.03	0.00
70.866	121.998	0.985	8828.3	4780.6	73.940	0.838	1.97		Sand	20.4			115.31	0.68	78.66	113.63	0.67	0.622	0.904	0.158	0.192	0.31	0.03	0.00
71.030	117.068	0.942	8848.8	4790.9	70.757	0.836	1.98		Sand	21.6			110.65	0.68	75.24	112.29	0.67	0.621	0.904	0.156	0.188	0.30	0.03	0.00

CORNERSTONE EARTH GROUP

CPT No. 5

PGA (A_{max}) 0.76

Total Settlement: 2.63 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{tl})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
71.194	112.705	1.040	8869.3	4801.1	67.937	0.961	2.03		Sand	25.6			106.53	0.68	72.89	116.71	0.67	0.621	0.901	0.164	0.202	0.32	0.03	0.00
71.358	112.063	1.207	8889.8	4811.4	67.456	1.122	2.07		Sand	29.0			105.92	0.69	72.99	121.79	0.67	0.620	0.896	0.175	0.220	0.35	0.03	0.00
71.522	116.990	1.445	8910.3	4821.7	70.463	1.284	2.10		Sand	30.7			110.58	0.70	76.95	128.72	0.67	0.620	0.890	0.194	0.251	0.40	0.02	0.00
71.686	124.745	1.619	8930.8	4831.9	75.232	1.346	2.09		Sand	30.0			117.91	0.70	82.72	134.81	0.67	0.619	0.884	0.214	0.285	0.46	0.02	0.00
71.850	133.143	1.277	8951.3	4842.2	80.393	0.992	1.98		Sand	21.6			125.84	0.69	87.01	125.77	0.67	0.619	0.892	0.185	0.237	0.38	0.03	0.00
72.014	136.398	1.123	8971.8	4852.5	82.333	0.851	1.93		Sand	17.7			128.92	0.68	87.89	117.48	0.67	0.618	0.899	0.166	0.204	0.33	0.03	0.00
72.178	137.152	1.137	8992.3	4862.7	82.710	0.857	1.93		Sand	17.7			129.63	0.68	88.37	118.05	0.67	0.618	0.898	0.167	0.206	0.33	0.03	0.00
72.343	135.953	1.060	9012.9	4873.1	81.869	0.806	1.92		Sand	16.7			128.50	0.68	86.89	113.80	0.67	0.617	0.901	0.159	0.192	0.31	0.03	0.00
72.507	134.120	0.789	9033.4	4883.3	80.636	0.609	1.86		Sand	11.7			126.77	0.65	82.71	94.49	0.67	0.616	0.915	0.131	0.147	0.24	0.03	0.00
72.671	131.303	1.007	9053.9	4893.6	78.794	0.794	1.93		Sand	17.5			124.10	0.67	83.52	112.15	0.67	0.616	0.902	0.156	0.187	0.30	0.03	0.00
72.835	131.268	1.099	9074.4	4903.9	78.684	0.867	1.95		Sand	19.3			124.07	0.68	84.17	117.47	0.66	0.615	0.897	0.166	0.204	0.33	0.03	0.00
72.999	135.094	1.031	9094.9	4914.1	80.968	0.790	1.92		Sand	16.6			127.69	0.67	85.78	112.27	0.66	0.615	0.901	0.156	0.187	0.30	0.03	0.00
73.163	142.191	1.139	9115.4	4924.4	85.274	0.828	1.91		Sand	16.1			134.40	0.68	90.84	116.41	0.66	0.614	0.898	0.164	0.200	0.33	0.03	0.00
73.327	146.617	1.159	9135.9	4934.7	87.919	0.816	1.90		Sand	15.0			138.58	0.67	93.50	115.94	0.66	0.614	0.898	0.163	0.198	0.32	0.03	0.00
73.491	147.184	1.142	9156.4	4944.9	88.172	0.801	1.89		Sand	14.5			139.12	0.67	93.55	114.59	0.66	0.613	0.899	0.160	0.194	0.32	0.03	0.00
73.655	145.752	1.012	9176.9	4955.2	87.189	0.717	1.87		Sand	12.6			137.76	0.66	91.19	106.13	0.66	0.613	0.905	0.146	0.171	0.28	0.03	0.00
73.819	144.701	1.056	9197.4	4965.5	86.444	0.754	1.89		Sand	13.8			136.77	0.67	91.04	109.80	0.66	0.612	0.902	0.152	0.180	0.29	0.03	0.00
73.983	148.792	1.178	9217.9	4975.7	88.871	0.817	1.90		Sand	14.7			140.64	0.67	94.58	116.28	0.66	0.612	0.897	0.163	0.199	0.33	0.03	0.00
74.147	163.961	1.328	9238.4	4986.0	98.113	0.833	1.87		Sand	12.4			154.97	0.68	104.74	119.81	0.66	0.611	0.893	0.171	0.211	0.35	0.03	0.00
74.311	194.696	1.417	9258.9	4996.3	116.911	0.746	1.78		Sand	5.2			184.02	0.68	125.46	125.69	0.66	0.610	0.888	0.185	0.235	0.39	0.03	0.00
74.475	234.258	1.849	9279.4	5006.5	141.094	0.805	1.74		Sand	1.8			221.42	0.71	158.26	158.26	0.66	0.610	0.852	0.354	0.534	0.88	0.01	0.00
74.639	266.766	1.385	9299.9	5016.8	160.899	0.528	1.58		Sand	0.0			252.14	0.74	186.79	186.79	0.66	0.609	0.804	0.969	1.714	2.81	0.00	0.00
74.803	288.423	1.433	9320.4	5027.1	174.008	0.505	1.54		Sand	0.0			272.61	0.76	206.50	206.50	0.66	0.609	0.754	2.782	4.616	7.58	0.00	0.00
74.967	306.323	0.687	9340.9	5037.3	184.790	0.228	1.33		Sand	0.0			289.53	0.77	223.23	223.23	0.66	0.608	0.740	9.212	14.993	24.65	0.00	0.00
75.131	333.183	1.489	9361.4	5047.6	201.033	0.453	1.46		Sand	0.0			314.92	0.79	249.20	249.20	0.66	0.608	0.739	118.510	192.722	317.09	0.00	0.00
75.295	390.297	1.311	9381.9	5057.9	235.739	0.340	1.33		Sand	0.0			368.90	0.79	293.13	293.13	0.65	0.607	0.739	#########	########	309976.43	0.00	0.00
75.459	441.468	0.652	9402.4	5068.1	266.746	0.149	1.12		Sand	0.0			417.27	0.79	331.39	331.39	0.65	0.607	0.738	#########	########	##########	0.00	0.00
75.623	480.499	0.389	9422.9	5078.4	290.283	0.082	1.02		Sand	0.0			454.16	0.79	360.49	360.49	0.65	0.606	0.737	#########	########	##########	0.00	0.00
75.787	468.284	1.056	9443.4	5088.7	282.539	0.228	1.17		Sand	0.0			442.61	0.79	351.14	351.14	0.65	0.606	0.737	#########	########	##########	0.00	0.00
75.951	463.045	1.067	9463.9	5098.9	279.058	0.233	1.18		Sand	0.0			437.66	0.79	347.03	347.03	0.65	0.605	0.736	#########	########	##########	0.00	0.00
76.115	447.495	1.803	9484.4	5109.2	269.313	0.407	1.33		Sand	0.0			422.96	0.79	335.20	335.20	0.65	0.605	0.736	#########	########	##########	0.00	0.00
76.280	459.464	1.343	9505.0	5119.5	276.308	0.295	1.24		Sand	0.0			434.28	0.79	343.98	343.98	0.65	0.604	0.735	#########	########	##########	0.00	0.00
76.444	438.031	1.890	9525.5	5129.8	263.014	0.436	1.36		Sand	0.0			414.02	0.79	327.76	327.76	0.65	0.604	0.734	#########	########	##########	0.00	0.00
76.608	427.552	1.104	9546.0	5140.1	256.390	0.261	1.24		Sand	0.0			404.11	0.79	319.75	319.75	0.65	0.603	0.734	#########	########	##########	0.00	0.00
76.772	413.380	1.403	9566.5	5150.3	247.542	0.343	1.32		Sand	0.0			390.72	0.79	308.99	308.99	0.65	0.603	0.733	#########	########	##########	0.00	0.00
76.936	429.476	0.720	9587.0	5160.6	257.032	0.170	1.15		Sand	0.0			405.93	0.79	320.85	320.85	0.65	0.602	0.733	#########	########	##########	0.00	0.00
77.100	424.572	1.164	9607.5	5170.9	253.805	0.277	1.25		Sand	0.0			401.30	0.79	317.02	317.02	0.65	0.602	0.732	#########	########	##########	0.00	0.00
77.264	402.969	0.537	9628.0	5181.1	240.498	0.135	1.14		Sand	0.0			380.88	0.79	300.73	300.73	0.65	0.601	0.731	#########	########	1534510.93	0.00	0.00
77.428	365.079	1.205	9648.5	5191.4	217.390	0.334	1.36		Sand	0.0			345.07	0.79	272.31	272.31	0.65	0.601	0.731	2792.811	4489.909	7476.89	0.00	0.00
77.592	332.992	0.835	9669.0	5201.7	197.826	0.254	1.33		Sand	0.0			314.74	0.78	246.32	246.32	0.65	0.600	0.730	85.151	136.783	227.97	0.00	0.00
77.756	308.680	1.800	9689.5	5211.9	182.983	0.592	1.56		Sand	0.0			291.76	0.76	222.48	222.48	0.65	0.599	0.730	8.668	13.912	23.21	0.00	0.00
77.920	305.127	1.487	9710.0	5222.2	180.659	0.495	1.52		Sand	0.0			288.40	0.76	218.91	218.91	0.64	0.599	0.729	6.561	10.522	17.57	0.00	0.00
78.084	342.961	1.280	9730.5	5232.5	203.217	0.379	1.41		Sand	0.0			324.16	0.79	255.29	255.29	0.64	0.598	0.728	249.078	399.139	666.93	0.00	0.00
78.248	384.288	0.443	9751.0	5242.7	227.827	0.117	1.15		Sand	0.0			363.22	0.79	285.90	285.90	0.64	0.598	0.728	28602.548	45797.624	76588.39	0.00	0.00
78.412	410.933	0.887	9771.5	5253.0	243.582	0.218	1.22		Sand	0.0			388.41	0.79	305.57	305.57	0.64	0.597	0.727	#########	########	4558809.79	0.00	0.00
78.576	413.378	0.849	9792.0	5263.3	244.804	0.208	1.21		Sand	0.0			390.72	0.79	307.22	307.22	0.64	0.597	0.727	#########	########	6716327.20	0.00	0.00
78.740	410.022	0.865	9812.5	5273.5	242.550	0.214	1.22		Sand	0.0			387.54	0.79	304.57	304.57	0.64	0.596	0.726	#########	########	3629491.59	0.00	0.00
78.904	417.451	0.848	9833.0	5283.8	246.751	0.206	1.20		Sand	0.0			394.57	0.79	309.93	309.93	0.64	0.596	0.725	#########	########	##########	0.00	0.00
79.068	419.026	0.933	9853.5	5294.1	247.447	0.225	1.22		Sand	0.0			396.05	0.79	310.94	310.94	0.64	0.595	0.725	#########	########	##########	0.00	0.00
79.232	432.582	0.871	9874.0	5304.3	255.294	0.204	1.19		Sand	0.0			408.87	0.78	320.84	320.84	0.64	0.595	0.724	#########	########	##########	0.00	0.00
79.396	425.484	0.812	9894.5	5314.6	250.808	0.193	1.18		Sand	0.0			402.16	0.78	315.41	315.41	0.64	0.594	0.724	#########	########	##########	0.00	0.00
79.560	418.161	0.765	9915.0	5324.9	246.197	0.185	1.18		Sand	0.0			395.24	0.78	309.83	309.83	0.64	0.594	0.723	#########	########	##########	0.00	0.00
79.724	410.022	1.336	9935.5	5335.1	241.109	0.330	1.31		Sand	0.0			387.54	0.78	303.64	303.64	0.64	0.594	0.723	#########	########	2936205.13	0.00	0.00
79.888	409.730	0.970	9956.0	5345.4	240.697	0.240	1.24		Sand	0.0			387.27	0.78	303.27	303.27	0.64	0.593	0.722	#########	########	2700595.84	0.00	0.00
80.052	404.131	1.475	9976.5	5355.7	237.134	0.370	1.35		Sand	0.0			381.98	0.78	298.98	298.98	0.64	0.593	0.721	#########	########	1047990.73	0.00	0.00
80.217	400.661	0.910	9997.1	5366.0	234.840	0.230	1.24		Sand	0.0			378.70	0.78	296.26	296.26	0.64	0.592	0.721	#########	########	589130.27	0.00	0.00
80.381	403.775	0.907	10017.6	5376.3	236.456	0.227	1.24		Sand	0.0			381.64	0.78	298.41	298.41	0.64	0.592	0.720	#########	########	928283.16	0.00	0.00
80.545	396.988	1.254	10038.1	5386.5	232.204	0.320	1.32		Sand	0.0			375.22	0.78	293.25	293.25	0.63	0.591	0.720	#########	########	317546.93	0.00	0.00
80.709	389.635	1.432	10058.6	5396.8	227.625	0.372	1.37		Sand	0.0			368.28	0.78	287.67	287.67	0.63	0.591	0.719	39859.574	63060.162	106774.88	0.00	0.00
80.873	377.964	1.568	10079.1	5407.0	220.502	0.420	1.41		Sand	0.0			357.24	0.78	278.91	278.91	0.63	0.590	0.719	8249.530	13040.888	22099.07	0.00	0.00
81.037	391.469	1.626	10099.6	5417.3	228.265	0.421	1.40		Sand	0.0			370.01	0.78	288.74	288.74	0.63	0.590	0.718	48818.324	77111.072	130778.21	0.00	0.00
81.201	390.573	1.393	10120.1	5427.6	227.514	0.361	1.36		Sand	0.0			369.16	0.78	287.93	287.93	0.63	0.589	0.717	41872.552	66087.543	112173.24	0.00	0.00
81.365	378.978	1.246	10140.6	5437.8	220.457	0.333	1.35		Sand	0.0			358.20	0.78	279.24	279.24	0.63	0.589	0.717	8727.887	13764.358	23381.68	0.00	0.00
81.529	346.698	1.322	10161.1	5448.1	201.228	0.387	1.42		Sand	0.0			327.69	0.78	255.33	255.33	0.63	0.588	0.716	250.552	394.822	671.23	0.00	0.00
81.693	302.033	1.378	10181.6	5458.4	174.748	0.464	1.51		Sand	0.0			285.48	0.74	212.04	212.04	0.63	0.588	0.716	3.996	6.292	10.71	0.00	0.00
81.857	262.172	1.260	10202.1	5468.6	151.142	0.490	1.58		Sand	0.0			247.80	0.71	175.42	175.42	0.63	0.587	0.808	0.609	0.992	1.69	0.00	0.00
82.021	228.989	0.940	10222.6	5478.9	131.503	0.420	1.59		Sand	0.0			216.44	0.68	146.71	146.71	0.63	0.587	0.852	0.268	0.373	0.64	0.02	0.00

CORNERSTONE EARTH GROUP

CPT No.	5

PGA (A_{max})	0.76

Total Settlement:	2.63	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
82.185	221.401	0.825	10243.1	5489.2	126.921	0.381	1.58		Sand	0.0			209.26	0.67	140.27	140.27	0.63	0.586	0.860	0.236	0.317	0.54	0.02	0.00
82.349	232.518	1.132	10263.6	5499.4	133.314	0.498	1.63		Sand	0.0			219.77	0.68	149.37	149.37	0.63	0.586	0.848	0.284	0.401	0.68	0.02	0.00
82.513	249.180	1.104	10284.1	5509.7	142.944	0.452	1.58		Sand	0.0			235.52	0.69	163.42	163.42	0.63	0.585	0.827	0.409	0.623	1.06	0.01	0.00
82.677	269.258	1.011	10304.6	5520.0	154.554	0.383	1.51		Sand	0.0			254.50	0.71	180.93	180.93	0.63	0.585	0.795	0.754	1.262	2.16	0.00	0.00
82.841	284.463	1.113	10325.1	5530.2	163.294	0.398	1.50		Sand	0.0			268.87	0.72	194.53	194.53	0.63	0.584	0.763	1.407	2.362	4.04	0.00	0.00
83.005	306.531	1.661	10345.6	5540.5	176.027	0.551	1.56		Sand	0.0			289.73	0.74	214.95	214.95	0.63	0.584	0.711	4.900	7.667	13.13	0.00	0.00
83.169	337.751	1.806	10366.1	5550.8	194.078	0.543	1.52		Sand	0.0			319.24	0.77	245.14	245.14	0.63	0.584	0.711	74.596	116.630	199.86	0.00	0.00
83.333	377.370	1.653	10386.6	5561.0	216.992	0.444	1.43		Sand	0.0			356.68	0.77	276.42	276.42	0.63	0.583	0.710	5423.189	8472.482	14529.81	0.00	0.00
83.497	421.107	0.835	10407.1	5571.3	242.262	0.201	1.20		Sand	0.0			398.02	0.77	308.31	308.31	0.62	0.583	0.710	#########	#########	8684721.11	0.00	0.00
83.661	445.131	1.117	10427.6	5581.6	256.015	0.254	1.23		Sand	0.0			420.73	0.77	325.74	325.74	0.62	0.582	0.709	#########	#########	##########	0.00	0.00
83.825	466.340	1.187	10448.1	5591.8	268.105	0.257	1.22		Sand	0.0			440.78	0.77	341.09	341.09	0.62	0.582	0.708	#########	#########	##########	0.00	0.00
83.990	475.704	1.639	10468.8	5602.2	273.291	0.348	1.28		Sand	0.0			449.63	0.77	347.77	347.77	0.62	0.581	0.708	#########	#########	##########	0.00	0.00
84.154	476.643	1.885	10489.3	5612.4	273.580	0.400	1.32		Sand	0.0			450.51	0.77	348.29	348.29	0.62	0.581	0.707	#########	#########	##########	0.00	0.00
84.318	480.106	1.311	10509.8	5622.7	275.332	0.276	1.22		Sand	0.0			453.79	0.77	350.65	350.65	0.62	0.580	0.707	#########	#########	##########	0.00	0.00
84.482	478.048	1.885	10530.3	5633.0	273.883	0.399	1.32		Sand	0.0			451.84	0.77	348.98	348.98	0.62	0.580	0.706	#########	#########	##########	0.00	0.00
84.646	488.300	2.131	10550.8	5643.2	279.561	0.441	1.34		Sand	0.0			461.53	0.77	356.29	356.29	0.62	0.580	0.706	#########	#########	##########	0.00	0.00
84.810	487.932	2.202	10571.3	5653.5	279.089	0.456	1.35		Sand	0.0			461.18	0.77	355.85	355.85	0.62	0.579	0.705	#########	#########	##########	0.00	0.00
84.974	493.064	0.656	10591.8	5663.8	281.795	0.134	1.08		Sand	0.0			466.03	0.77	359.43	359.43	0.62	0.579	0.705	#########	#########	##########	0.00	0.00
85.138	464.603	1.524	10612.3	5674.0	265.106	0.332	1.28		Sand	0.0			439.13	0.77	338.52	338.52	0.62	0.578	0.704	#########	#########	##########	0.00	0.00
85.302	426.072	1.639	10632.8	5684.3	242.641	0.390	1.35		Sand	0.0			402.71	0.77	310.29	310.29	0.62	0.578	0.704	#########	#########	##########	0.00	0.00
85.466	371.312	1.260	10653.3	5694.6	210.865	0.344	1.37		Sand	0.0			350.96	0.77	270.29	270.29	0.62	0.577	0.703	2036.533	3149.721	5455.53	0.00	0.00
85.630	331.742	1.608	10673.8	5704.8	187.892	0.493	1.50		Sand	0.0			313.56	0.75	236.66	236.66	0.62	0.577	0.702	30.701	47.445	82.24	0.00	0.00
85.794	307.403	1.601	10694.3	5715.1	173.719	0.530	1.55		Sand	0.0			290.55	0.73	212.97	212.97	0.62	0.576	0.702	4.260	6.579	11.41	0.00	0.00
85.958	327.117	1.248	10714.8	5725.4	184.885	0.388	1.45		Sand	0.0			309.18	0.75	231.78	231.78	0.62	0.576	0.701	19.299	29.780	51.70	0.00	0.00
86.122	388.697	1.164	10735.3	5735.6	220.066	0.304	1.33		Sand	0.0			367.39	0.77	282.40	282.40	0.62	0.576	0.701	15159.640	23374.148	40606.13	0.00	0.00
86.286	430.967	1.331	10755.8	5745.9	244.109	0.313	1.30		Sand	0.0			407.34	0.77	312.97	312.97	0.62	0.575	0.700	#########	#########	##########	0.00	0.00
86.450	444.108	0.656	10776.3	5756.2	251.416	0.150	1.14		Sand	0.0			419.76	0.77	322.36	322.36	0.62	0.575	0.700	#########	#########	##########	0.00	0.00
86.614	424.690	0.859	10796.8	5766.4	240.068	0.205	1.21		Sand	0.0			401.41	0.77	308.12	308.12	0.61	0.574	0.699	#########	#########	8302327.60	0.00	0.00
86.778	418.466	1.530	10817.3	5776.7	236.288	0.370	1.35		Sand	0.0			395.53	0.77	303.46	303.46	0.61	0.574	0.699	#########	#########	2818464.26	0.00	0.00
86.942	429.002	0.628	10837.8	5787.0	242.095	0.148	1.15		Sand	0.0			405.48	0.77	310.96	310.96	0.61	0.574	0.698	#########	#########	##########	0.00	0.00
87.106	442.657	0.615	10858.3	5797.2	249.672	0.141	1.13		Sand	0.0			418.39	0.77	320.70	320.70	0.61	0.573	0.698	#########	#########	##########	0.00	0.00
87.270	457.023	0.666	10878.8	5807.5	257.641	0.147	1.13		Sand	0.0			431.97	0.77	330.96	330.96	0.61	0.573	0.697	#########	#########	##########	0.00	0.00
87.434	448.520	0.820	10899.3	5817.8	252.561	0.185	1.17		Sand	0.0			423.93	0.77	324.65	324.65	0.61	0.572	0.697	#########	#########	##########	0.00	0.00
87.598	436.727	1.076	10919.8	5828.0	245.616	0.249	1.24		Sand	0.0			412.79	0.77	315.97	315.97	0.61	0.572	0.696	#########	#########	##########	0.00	0.00
87.762	420.918	1.296	10940.3	5838.3	236.399	0.312	1.31		Sand	0.0			397.84	0.77	304.39	304.39	0.61	0.571	0.696	#########	#########	3477041.70	0.00	0.00
87.927	397.949	1.075	10960.9	5848.6	223.126	0.274	1.30		Sand	0.0			376.13	0.76	287.64	287.64	0.61	0.571	0.695	39645.029	60616.901	106147.75	0.00	0.00
88.091	339.415	1.738	10981.4	5858.9	189.676	0.520	1.52		Sand	0.0			320.81	0.75	241.77	241.77	0.61	0.571	0.694	51.789	79.124	138.65	0.00	0.00
88.255	242.814	2.300	11001.9	5869.2	134.681	0.969	1.80		Sand	7.3			229.50	0.67	153.59	155.90	0.61	0.570	0.828	0.333	0.479	0.84	0.01	0.00
88.419	144.435	2.049	11022.4	5879.4	78.774	1.475	2.10		Sand	30.9			136.52	0.66	89.50	144.07	0.61	0.570	0.845	0.254	0.344	0.60	0.02	0.00
88.583	78.297	2.115	11042.9	5889.7	24.713	2.906	2.67		Clay	76.9			74.00	0.76	n.a.	n.a.	0.61	0.569	n.a.	n.a.	n.a.	n.a.	0.00	0.00
88.747	50.051	1.755	11063.4	5900.0	15.091	3.942	2.92		Clay	96.9			47.31	0.76	n.a.	n.a.	0.61	0.569	n.a.	n.a.	n.a.	n.a.	0.00	0.00
88.911	39.463	1.516	11083.9	5910.2	11.479	4.469	3.05		Clay	100.0			37.30	0.76	n.a.	n.a.	0.61	0.569	n.a.	n.a.	n.a.	n.a.	0.00	0.00
89.075	36.196	1.163	11104.4	5920.5	10.352	3.795	3.04		Clay	100.0			34.21	0.76	n.a.	n.a.	0.61	0.568	n.a.	n.a.	n.a.	n.a.	0.00	0.00
89.239	34.550	1.062	11124.9	5930.8	9.775	3.664	3.05		Clay	100.0			32.66	0.76	n.a.	n.a.	0.61	0.568	n.a.	n.a.	n.a.	n.a.	0.00	0.00
89.403	32.638	0.890	11145.4	5941.0	9.111	3.288	3.05		Clay	100.0			30.85	0.76	n.a.	n.a.	0.61	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
89.567	30.675	0.768	11165.9	5951.3	8.432	3.061	3.06		Clay	100.0			28.99	0.76	n.a.	n.a.	0.61	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
89.731	28.543	0.639	11186.4	5961.6	7.699	2.784	3.07		Clay	100.0			26.98	0.76	n.a.	n.a.	0.61	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
89.895	27.416	0.512	11206.9	5971.8	7.305	2.347	3.05		Clay	100.0			25.91	0.76	n.a.	n.a.	0.60	0.566	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.059	28.087	0.530	11227.4	5982.1	7.514	2.358	3.04		Clay	100.0			26.55	0.76	n.a.	n.a.	0.60	0.566	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.223	28.786	0.615	11247.9	5992.4	7.731	2.655	3.06		Clay	100.0			27.21	0.76	n.a.	n.a.	0.60	0.566	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.387	28.949	0.671	11268.4	6002.6	7.768	2.878	3.08		Clay	100.0			27.36	0.76	n.a.	n.a.	0.60	0.565	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.551	27.044	0.636	11288.9	6012.9	7.118	2.972	3.12		Clay	100.0			25.56	0.76	n.a.	n.a.	0.60	0.565	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.715	25.195	0.464	11309.4	6023.2	6.488	2.375	3.10		Clay	100.0			23.81	0.76	n.a.	n.a.	0.60	0.564	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.879	23.834	0.368	11329.9	6033.4	6.023	2.025	3.09		Clay	100.0			22.53	0.76	n.a.	n.a.	0.60	0.564	n.a.	n.a.	n.a.	n.a.	0.00	0.00
91.043	23.239	0.345	11350.4	6043.7	5.812	1.964	3.10		Clay	100.0			21.97	0.76	n.a.	n.a.	0.60	0.564	n.a.	n.a.	n.a.	n.a.	0.00	0.00
91.207	23.146	0.352	11370.9	6054.0	5.768	2.016	3.11		Clay	100.0			21.88	0.76	n.a.	n.a.	0.60	0.563	n.a.	n.a.	n.a.	n.a.	0.00	0.00
91.371	23.279	0.376	11391.4	6064.2	5.799	2.138	3.12		Clay	100.0			22.00	0.76	n.a.	n.a.	0.60	0.563	n.a.	n.a.	n.a.	n.a.	0.00	0.00
91.535	24.308	0.423	11411.9	6074.5	6.125	2.274	3.11		Clay	100.0			22.98	0.76	n.a.	n.a.	0.60	0.563	n.a.	n.a.	n.a.	n.a.	0.00	0.00
91.699	27.242	0.616	11432.4	6084.8	7.075	2.862	3.11		Clay	100.0			25.75	0.76	n.a.	n.a.	0.60	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
91.864	32.722	1.489	11453.0	6095.1	8.858	5.516	3.20		Clay	100.0			30.93	0.76	n.a.	n.a.	0.60	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
92.028	44.690	1.847	11473.5	6105.4	12.760	4.742	3.03		Clay	100.0			42.24	0.76	n.a.	n.a.	0.60	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
92.192	51.342	1.532	11494.0	6115.6	14.911	3.360	2.89		Clay	93.8			48.53	0.76	n.a.	n.a.	0.60	0.561	n.a.	n.a.	n.a.	n.a.	0.00	0.00
92.356	52.714	1.652	11514.5	6125.9	15.331	3.518	2.89		Clay	94.0			49.82	0.76	n.a.	n.a.	0.60	0.561	n.a.	n.a.	n.a.	n.a.	0.00	0.00
92.520	47.787	1.705	11535.0	6136.2	13.696	4.058	2.96		Clay	100.0			45.17	0.76	n.a.	n.a.	0.60	0.560	n.a.	n.a.	n.a.	n.a.	0.00	0.00
92.684	57.206	2.313	11555.5	6146.4	16.734	4.498	2.92		Clay	97.0			54.07	0.75	n.a.	n.a.	0.60	0.560	n.a.	n.a.	n.a.	n.a.	0.00	0.00
92.848	85.697	2.721	11576.0	6156.7	25.958	3.405	2.70		Clay	79.1			81.00	0.75	n.a.	n.a.	0.60	0.560	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.012	124.447	2.335	11596.5	6167.0	65.690	1.968	2.24		Sand	42.3			117.62	0.63	74.48	135.96	0.60	0.559	0.848	0.218	0.281	0.50	0.02	0.00

CORNERSTONE EARTH GROUP

CPT No. 5

PGA (A_{max}) 0.76

Total Settlement: 2.63 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
93.176	151.249	2.210	11617.0	6177.2	80.456	1.520	2.10		Sand	31.0			142.96	0.65	92.45	147.81	0.60	0.559	0.832	0.275	0.376	0.67	0.02	0.00
93.340	156.370	2.096	11637.5	6187.5	83.215	1.392	2.06		Sand	28.1			147.80	0.65	95.45	147.47	0.60	0.559	0.832	0.273	0.372	0.67	0.02	0.00
93.504	145.637	2.142	11658.0	6197.8	77.212	1.532	2.12		Sand	32.3			137.65	0.64	88.34	144.34	0.60	0.558	0.836	0.255	0.343	0.61	0.02	0.00
93.668	132.514	1.842	11678.5	6208.0	69.901	1.454	2.13		Sand	33.7			125.25	0.63	78.83	134.31	0.59	0.558	0.849	0.212	0.271	0.49	0.02	0.00
93.832	122.555	1.220	11699.0	6218.3	64.347	1.045	2.07		Sand	28.8			115.84	0.61	70.61	118.71	0.59	0.558	0.867	0.168	0.201	0.36	0.03	0.00
93.996	115.789	1.691	11719.5	6228.5	60.561	1.538	2.20		Sand	38.8			109.44	0.62	67.51	124.84	0.59	0.557	0.860	0.183	0.224	0.40	0.03	0.00
94.160	112.589	1.958	11740.0	6238.8	58.744	1.835	2.26		Sand	43.6			106.42	0.62	65.73	125.81	0.59	0.557	0.859	0.185	0.228	0.41	0.03	0.00
94.324	111.681	1.859	11760.5	6249.1	58.191	1.757	2.25		Sand	42.8			105.56	0.62	64.96	124.42	0.59	0.557	0.860	0.182	0.222	0.40	0.03	0.00
94.488	112.331	1.820	11781.0	6259.3	58.494	1.710	2.24		Sand	42.1			106.17	0.61	65.28	124.35	0.59	0.556	0.860	0.182	0.222	0.40	0.03	0.00
94.652	112.605	1.605	11801.5	6269.6	58.591	1.504	2.20		Sand	39.2			106.43	0.61	65.10	122.14	0.59	0.556	0.862	0.176	0.213	0.38	0.03	0.00
94.816	112.267	1.553	11822.0	6279.9	58.352	1.460	2.20		Sand	38.6			106.11	0.61	64.74	121.30	0.59	0.556	0.863	0.174	0.210	0.38	0.03	0.00
94.980	111.941	1.109	11842.5	6290.1	58.120	1.046	2.11		Sand	31.7			105.80	0.60	63.43	113.45	0.59	0.555	0.871	0.158	0.185	0.33	0.03	0.00
95.144	111.507	1.527	11863.0	6300.4	57.830	1.446	2.20		Sand	38.7			105.39	0.61	64.10	120.54	0.59	0.555	0.864	0.172	0.207	0.37	0.03	0.00
95.308	112.187	1.638	11883.5	6310.7	58.149	1.542	2.21		Sand	39.9			106.04	0.61	64.66	122.14	0.59	0.555	0.862	0.176	0.213	0.38	0.03	0.00
95.472	112.952	1.618	11904.0	6320.9	58.515	1.512	2.20		Sand	39.3			106.76	0.61	65.07	122.21	0.59	0.554	0.861	0.176	0.213	0.38	0.03	0.00
95.636	114.558	1.659	11924.5	6331.2	59.339	1.528	2.20		Sand	39.2			108.28	0.61	66.11	123.39	0.59	0.554	0.860	0.179	0.218	0.39	0.03	0.00
95.801	115.785	1.851	11945.1	6341.5	59.955	1.686	2.23		Sand	41.1			109.44	0.61	67.13	126.01	0.59	0.554	0.857	0.186	0.228	0.41	0.03	0.00
95.965	117.357	1.805	11965.6	6351.8	60.759	1.621	2.21		Sand	39.9			110.92	0.61	68.03	126.27	0.59	0.553	0.856	0.187	0.229	0.41	0.03	0.00
96.129	119.199	1.767	11986.1	6362.1	61.708	1.561	2.20		Sand	38.6			112.66	0.61	69.10	126.68	0.59	0.553	0.855	0.188	0.231	0.42	0.03	0.00
96.293	121.087	2.063	12006.6	6372.3	62.681	1.793	2.23		Sand	41.3			114.45	0.62	70.71	130.63	0.59	0.553	0.850	0.199	0.250	0.45	0.02	0.00
96.457	123.579	2.201	12027.1	6382.6	63.981	1.872	2.24		Sand	41.8			116.80	0.62	72.48	133.14	0.59	0.553	0.847	0.208	0.263	0.48	0.02	0.00
96.621	127.996	2.009	12047.6	6392.9	66.326	1.647	2.19		Sand	37.9			120.98	0.62	75.07	133.52	0.59	0.552	0.846	0.209	0.265	0.48	0.02	0.00
96.785	134.868	1.860	12068.1	6403.1	70.001	1.444	2.13		Sand	33.5			127.47	0.62	79.21	134.57	0.59	0.552	0.845	0.213	0.271	0.49	0.02	0.00
96.949	142.578	2.102	12088.6	6413.4	74.125	1.540	2.13		Sand	33.5			134.76	0.63	84.79	141.31	0.59	0.552	0.835	0.240	0.316	0.57	0.02	0.00
97.113	149.804	1.662	12109.1	6423.7	77.981	1.156	2.03		Sand	25.7			141.59	0.62	87.87	134.61	0.59	0.551	0.844	0.213	0.271	0.49	0.02	0.00
97.277	156.086	2.130	12129.6	6433.9	81.318	1.420	2.08		Sand	29.2			147.53	0.63	93.67	146.85	0.59	0.551	0.827	0.269	0.363	0.66	0.02	0.00
97.441	162.830	2.162	12150.1	6444.2	84.900	1.379	2.06		Sand	27.4			153.90	0.64	98.14	149.53	0.59	0.551	0.823	0.285	0.391	0.71	0.02	0.00
97.605	168.672	2.020	12170.6	6454.5	87.989	1.242	2.01		Sand	24.1			159.43	0.63	101.18	147.31	0.59	0.550	0.826	0.272	0.368	0.67	0.02	0.00
97.769	174.723	1.971	12191.1	6464.7	91.185	1.169	1.98		Sand	21.8			165.14	0.63	104.55	146.37	0.59	0.550	0.827	0.266	0.358	0.65	0.02	0.00
97.933	181.418	1.764	12211.6	6475.0	94.725	1.006	1.93		Sand	17.4			171.47	0.62	106.69	137.62	0.58	0.550	0.839	0.224	0.289	0.53	0.02	0.00
98.097	185.806	1.884	12232.1	6485.3	97.013	1.048	1.93		Sand	17.7			175.62	0.63	110.19	142.29	0.58	0.550	0.832	0.245	0.323	0.59	0.02	0.00
98.261	186.826	2.302	12252.6	6495.5	97.481	1.274	1.99		Sand	22.0			176.58	0.65	113.90	157.63	0.58	0.549	0.808	0.348	0.496	0.90	0.01	0.00
98.425	181.458	2.377	12273.1	6505.8	94.505	1.356	2.02		Sand	24.2			171.51	0.65	110.80	158.84	0.58	0.549	0.806	0.360	0.515	0.94	0.01	0.00
98.589	177.068	1.803	12293.6	6516.1	92.061	1.055	1.95		Sand	19.2			167.36	0.62	104.32	139.92	0.58	0.549	0.835	0.234	0.305	0.56	0.02	0.00
98.753	174.988	2.377	12314.1	6526.3	90.863	1.408	2.04		Sand	26.1			165.40	0.64	106.40	157.21	0.58	0.549	0.808	0.344	0.489	0.89	0.01	0.00
98.917	178.605	2.641	12334.6	6536.6	92.732	1.532	2.06		Sand	27.6			168.81	0.65	109.78	163.67	0.58	0.548	0.796	0.412	0.605	1.10	0.01	0.00
99.081	182.706	2.438	12355.1	6546.9	94.857	1.381	2.02		Sand	24.6			172.69	0.65	111.60	160.44	0.58	0.548	0.802	0.376	0.542	0.99	0.01	0.00
99.245	187.903	2.624	12375.6	6557.1	97.568	1.444	2.02		Sand	24.9			177.60	0.65	115.84	166.05	0.58	0.548	0.791	0.443	0.658	1.20	0.01	0.00
99.409	189.435	2.576	12396.1	6567.4	98.308	1.406	2.01		Sand	24.1			179.05	0.65	116.55	165.23	0.58	0.547	0.792	0.432	0.638	1.17	0.01	0.00
99.573	187.677	2.651	12416.6	6577.7	97.283	1.461	2.03		Sand	25.3			177.39	0.65	115.65	166.50	0.58	0.547	0.789	0.450	0.668	1.22	0.01	0.00
99.738	179.818	2.577	12437.3	6588.0	92.992	1.484	2.05		Sand	26.8			169.96	0.65	109.99	162.56	0.58	0.547	0.797	0.399	0.581	1.06	0.01	0.00
99.902	169.662	1.794	12457.8	6598.3	87.478	1.098	1.98		Sand	21.5			160.36	0.62	99.40	139.78	0.58	0.547	0.833	0.233	0.303	0.55	0.02	0.00
100.066	156.186	2.519	12478.3	6608.5	80.197	1.680	2.13		Sand	33.5			147.62	0.63	93.62	152.08	0.58	0.546	0.815	0.303	0.418	0.76	0.02	0.00
100.230	142.678	2.886	12498.8	6618.8	72.910	2.115	2.23		Sand	41.4			134.86	0.63	84.87	148.28	0.58	0.546	0.820	0.278	0.375	0.69	0.02	0.00
100.394	131.199	1.639	12519.3	6629.1	66.718	1.312	2.12		Sand	32.7			124.01	0.60	74.98	128.52	0.58	0.546	0.848	0.193	0.238	0.44	0.02	0.00
100.558	123.135	1.681	12539.8	6639.3	62.358	1.438	2.17		Sand	36.5			116.38	0.60	69.95	126.04	0.58	0.546	0.851	0.186	0.227	0.42	0.03	0.00
100.722	118.070	1.301	12560.3	6649.6	59.604	1.164	2.13		Sand	33.2			111.60	0.59	65.85	117.94	0.58	0.545	0.860	0.167	0.197	0.36	0.03	0.00
100.886	112.038	1.268	12580.8	6659.9	56.339	1.199	2.15		Sand	35.4			105.90	0.59	62.08	115.38	0.58	0.545	0.862	0.162	0.189	0.35	0.03	0.00
101.050	105.379	1.880	12601.3	6670.1	52.745	1.897	2.30		Sand	47.2			99.60	0.59	58.84	119.12	0.58	0.545	0.858	0.169	0.200	0.37	0.03	0.00
101.214	97.419	2.262	12621.8	6680.4	48.465	2.483	2.41		Sand	55.5			92.08	0.59	54.03	116.48	0.58	0.545	0.861	0.164	0.192	0.35	0.03	0.00
101.378	91.272	2.647	12642.3	6690.7	25.394	3.116	2.68		Clay	77.7			86.27	0.74	n.a.	n.a.	0.58	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
101.542	92.705	2.707	12662.8	6700.9	25.780	3.134	2.68		Clay	77.4			87.62	0.74	n.a.	n.a.	0.58	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
101.706	100.025	2.323	12683.3	6711.2	49.720	2.480	2.40		Sand	54.9			94.54	0.59	55.58	118.21	0.58	0.544	0.858	0.167	0.197	0.36	0.03	0.00
101.870	111.093	2.485	12703.8	6721.5	55.547	2.373	2.35		Sand	51.0			105.00	0.60	62.73	125.78	0.58	0.544	0.849	0.185	0.225	0.41	0.03	0.00
102.034	122.615	2.435	12724.3	6731.7	61.605	2.095	2.28		Sand	45.4			115.89	0.61	70.18	132.45	0.58	0.543	0.841	0.205	0.257	0.47	0.02	0.00
102.198	139.540	1.984	12744.8	6742.0	70.514	1.490	2.14		Sand	34.0			131.89	0.61	80.51	136.68	0.58	0.543	0.835	0.221	0.281	0.52	0.02	0.00
102.362	160.771	1.885	12765.3	6752.3	81.689	1.221	2.03		Sand	25.7			151.96	0.62	93.56	141.24	0.58	0.543	0.828	0.240	0.313	0.58	0.02	0.00
102.526	179.694	1.862	12785.8	6762.5	91.626	1.074	1.96		Sand	19.8			169.84	0.62	104.57	141.58	0.58	0.543	0.827	0.242	0.315	0.58	0.02	0.00
102.690	190.630	2.067	12806.3	6772.8	97.329	1.122	1.95		Sand	19.1			180.18	0.62	112.46	148.83	0.58	0.543	0.816	0.281	0.380	0.70	0.02	0.00
102.854	193.401	2.089	12826.8	6783.1	98.713	1.117	1.95		Sand	18.7			182.80	0.62	114.16	149.47	0.58	0.542	0.815	0.285	0.386	0.71	0.02	0.00
103.018	191.559	2.211	12847.3	6793.3	97.661	1.194	1.97		Sand	20.5			181.06	0.63	113.99	154.04	0.58	0.542	0.807	0.318	0.440	0.81	0.01	0.00
103.182	187.104	2.472	12867.8	6803.6	95.233	1.368	2.02		Sand	24.3			176.85	0.64	112.75	161.15	0.57	0.542	0.794	0.383	0.550	1.02	0.01	0.00
103.346	177.626	2.843	12888.3	6813.9	90.164	1.661	2.09		Sand	30.2			167.89	0.64	107.76	165.21	0.57	0.542	0.786	0.432	0.632	1.17	0.01	0.00
103.510	153.717	3.561	12908.8	6824.1	77.507	2.418	2.25		Sand	43.1			145.29	0.63	92.07	158.47	0.57	0.541	0.798	0.356	0.504	0.93	0.01	0.00
103.675	115.468	2.385	12929.4	6834.5	57.327	2.188	2.32		Sand	48.3			109.14	0.60	64.94	127.34	0.57	0.541	0.845	0.190	0.231	0.43	0.02	0.00
103.839	80.297	3.353	12949.9	6844.7	21.571	4.542	2.84		Clay	90.5			75.90	0.73	n.a.	n.a.	0.57	0.541	n.a.	n.a.	n.a.	n.a.	0.00	0.00
104.003	57.208	2.487	12970.4	6855.0	14.799	4.903	2.99		Clay	100.0			54.07	0.73	n.a.	n.a.	0.57	0.541	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. 5

PGA (A_{max}) 0.76

Total Settlement: 2.63 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
104.167	53.059	2.732	12990.9	6865.3	13.565	5.867	3.07		Clay	100.0			50.15	0.73	n.a.	n.a.	0.57	0.541	n.a.	n.a.	n.a.	n.a.	0.00	0.00
104.331	68.889	1.736	13011.4	6875.5	18.146	2.783	2.77		Clay	84.4			65.11	0.73	n.a.	n.a.	0.57	0.540	n.a.	n.a.	n.a.	n.a.	0.00	0.00
104.495	84.957	2.068	13031.9	6885.8	22.783	2.636	2.67		Clay	77.0			80.30	0.73	n.a.	n.a.	0.57	0.540	n.a.	n.a.	n.a.	n.a.	0.00	0.00
104.659	86.877	2.776	13052.4	6896.1	23.303	3.455	2.74		Clay	82.3			82.11	0.73	n.a.	n.a.	0.57	0.540	n.a.	n.a.	n.a.	n.a.	0.00	0.00
104.823	76.897	2.908	13072.9	6906.3	20.376	4.133	2.84		Clay	89.9			72.68	0.73	n.a.	n.a.	0.57	0.540	n.a.	n.a.	n.a.	n.a.	0.00	0.00
104.987	84.145	3.115	13093.4	6916.6	22.438	4.014	2.80		Clay	86.7			79.53	0.73	n.a.	n.a.	0.57	0.540	n.a.	n.a.	n.a.	n.a.	0.00	0.00
105.151	101.265	3.115	13113.9	6926.9	27.345	3.289	2.67		Clay	76.9			95.71	0.73	n.a.	n.a.	0.57	0.539	n.a.	n.a.	n.a.	n.a.	0.00	0.00
105.315	99.405	2.623	13134.4	6937.1	26.766	2.825	2.64		Clay	74.1			93.96	0.73	n.a.	n.a.	0.57	0.539	n.a.	n.a.	n.a.	n.a.	0.00	0.00
105.479	76.681	3.033	13154.9	6947.4	20.181	4.326	2.85		Clay	91.1			72.48	0.73	n.a.	n.a.	0.57	0.539	n.a.	n.a.	n.a.	n.a.	0.00	0.00
105.643	51.950	3.221	13175.4	6957.7	13.040	7.101	3.14		Clay	100.0			49.10	0.73	n.a.	n.a.	0.57	0.539	n.a.	n.a.	n.a.	n.a.	0.00	0.00
105.807	38.858	1.711	13195.9	6967.9	9.260	5.304	3.17		Clay	100.0			36.73	0.73	n.a.	n.a.	0.57	0.539	n.a.	n.a.	n.a.	n.a.	0.00	0.00
105.971	33.424	1.175	13216.4	6978.2	7.686	4.382	3.19		Clay	100.0			31.59	0.73	n.a.	n.a.	0.57	0.538	n.a.	n.a.	n.a.	n.a.	0.00	0.00
106.135	31.752	1.055	13236.9	6988.5	7.193	4.198	3.20		Clay	100.0			30.01	0.73	n.a.	n.a.	0.57	0.538	n.a.	n.a.	n.a.	n.a.	0.00	0.00
106.299	33.120	1.086	13257.4	6998.7	7.570	4.099	3.17		Clay	100.0			31.30	0.73	n.a.	n.a.	0.57	0.538	n.a.	n.a.	n.a.	n.a.	0.00	0.00
106.463	38.209	1.440	13277.9	7009.0	9.008	4.561	3.14		Clay	100.0			36.11	0.73	n.a.	n.a.	0.57	0.538	n.a.	n.a.	n.a.	n.a.	0.00	0.00
106.627	42.620	2.256	13298.4	7019.3	10.249	6.272	3.18		Clay	100.0			40.28	0.73	n.a.	n.a.	0.57	0.538	n.a.	n.a.	n.a.	n.a.	0.00	0.00
106.791	43.864	2.509	13318.9	7029.5	10.585	6.744	3.19		Clay	100.0			41.46	0.73	n.a.	n.a.	0.57	0.538	n.a.	n.a.	n.a.	n.a.	0.00	0.00
106.955	39.837	1.697	13339.4	7039.8	9.423	5.116	3.15		Clay	100.0			37.65	0.73	n.a.	n.a.	0.57	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
107.119	36.357	1.438	13359.9	7050.0	8.419	4.845	3.18		Clay	100.0			34.36	0.73	n.a.	n.a.	0.57	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
107.283	34.342	1.177	13380.4	7060.3	7.833	4.257	3.17		Clay	100.0			32.46	0.73	n.a.	n.a.	0.57	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
107.448	32.571	0.884	13401.0	7070.6	7.318	3.417	3.14		Clay	100.0			30.79	0.73	n.a.	n.a.	0.57	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
107.612	29.782	0.678	13421.5	7080.9	6.516	2.939	3.15		Clay	100.0			28.15	0.73	n.a.	n.a.	0.57	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
107.776	27.591	0.599	13442.0	7091.2	5.886	2.870	3.18		Clay	100.0			26.08	0.73	n.a.	n.a.	0.57	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
107.940	26.744	0.440	13462.5	7101.4	5.636	2.199	3.14		Clay	100.0			25.28	0.73	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
108.104	26.650	0.423	13483.0	7111.7	5.599	2.125	3.13		Clay	100.0			25.19	0.73	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
108.268	26.517	0.432	13503.5	7122.0	5.550	2.186	3.14		Clay	100.0			25.06	0.73	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
108.432	27.000	0.525	13524.0	7132.2	5.675	2.594	3.17		Clay	100.0			25.52	0.73	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
108.596	27.590	0.554	13544.5	7142.5	5.829	2.661	3.17		Clay	100.0			26.08	0.73	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
108.760	28.005	0.630	13565.0	7152.8	5.934	2.969	3.18		Clay	100.0			26.47	0.73	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
108.924	27.614	0.664	13585.5	7163.0	5.814	3.189	3.21		Clay	100.0			26.10	0.72	n.a.	n.a.	0.57	0.536	n.a.	n.a.	n.a.	n.a.	0.00	0.00
109.088	26.559	0.658	13606.0	7173.3	5.508	3.331	3.24		Clay	100.0			25.10	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00
109.252	25.202	0.586	13626.5	7183.6	5.120	3.187	3.25		Clay	100.0			23.82	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00
109.416	23.978	0.469	13647.0	7193.8	4.769	2.734	3.25		Clay	100.0			22.66	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00
109.580	23.123	0.397	13667.5	7204.1	4.522	2.437	3.24		Clay	100.0			21.86	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00
109.744	22.433	0.334	13688.0	7214.4	4.322	2.143	3.23		Clay	100.0			21.20	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00
109.908	21.820	0.335	13708.5	7224.6	4.143	2.238	3.26		Clay	100.0			20.62	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00
110.072	21.306	0.343	13729.0	7234.9	3.992	2.375	3.28		Clay	100.0			20.14	0.72	n.a.	n.a.	0.57	0.535	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-2

PGA (A_{max})	0.76

Total Settlement:	2.69	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{σ})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	10.221	0.438	610.2	610.2	32.500	4.417	2.70		Clay	79.3			9.66	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	14.938	0.451	629.9	629.9	32.280	3.084	2.60	plastic	Clay	71.1			14.12	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	13.976	0.413	649.6	649.6	29.493	3.025	2.63	plastic	Clay	73.0			13.21	1.37	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	13.162	0.327	669.2	669.2	27.140	2.549	2.61	plastic	Clay	71.5			12.44	1.35	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	12.600	0.251	688.9	688.9	25.409	2.048	2.57	plastic	Clay	68.7			11.91	1.34	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	12.462	0.245	708.7	708.7	24.609	2.024	2.58	plastic	Clay	69.3			11.78	1.33	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	12.696	0.245	728.4	728.4	24.589	1.987	2.57	plastic	Clay	69.0			12.00	1.32	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	12.657	0.246	748.1	748.1	24.039	2.003	2.58	plastic	Clay	69.8			11.96	1.32	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	12.507	0.259	767.8	767.8	23.299	2.136	2.61	plastic	Clay	72.0			11.82	1.31	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	12.559	0.273	787.4	787.4	22.969	2.244	2.63	plastic	Clay	73.4			11.87	1.30	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	12.721	0.287	807.1	807.1	22.858	2.330	2.64	plastic	Clay	74.3			12.02	1.29	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	13.082	0.296	826.8	826.8	23.117	2.336	2.64	plastic	Clay	74.0			12.36	1.28	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	13.619	0.352	846.5	846.5	23.685	2.668	2.66	plastic	Clay	76.2			12.87	1.27	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	14.231	0.392	866.2	866.2	24.371	2.841	2.67	plastic	Clay	76.8			13.45	1.27	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	14.606	0.416	885.8	885.8	24.625	2.937	2.68	plastic	Clay	77.2			13.81	1.26	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	14.758	0.414	905.5	905.5	24.493	2.894	2.68	plastic	Clay	77.0			13.95	1.25	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	14.563	0.457	925.2	925.2	30.481	3.241	2.63		Clay	73.7			13.76	1.24	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	14.247	0.429	944.9	944.9	29.156	3.114	2.64		Clay	74.0			13.47	1.24	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	13.914	0.395	964.6	964.6	27.850	2.941	2.64		Clay	73.9			13.15	1.23	n.a.	n.a.	0.98	0.602	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.202	13.757	0.348	984.2	984.2	26.955	2.623	2.62		Clay	72.3			13.00	1.22	n.a.	n.a.	0.98	0.606	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.366	13.427	0.348	1003.9	1003.9	25.749	2.692	2.64		Clay	74.1			12.69	1.22	n.a.	n.a.	0.98	0.610	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.530	13.053	0.334	1023.6	1023.6	24.504	2.663	2.65		Clay	75.2			12.34	1.21	n.a.	n.a.	0.98	0.614	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.694	12.934	0.308	1043.3	1043.3	23.795	2.481	2.64		Clay	74.5			12.22	1.21	n.a.	n.a.	0.98	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.858	12.924	0.290	1063.0	1063.0	23.317	2.340	2.64		Clay	73.8			12.22	1.20	n.a.	n.a.	0.98	0.622	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.022	12.948	0.196	1082.6	1082.6	18.745	1.580	2.62	plastic	Clay	72.2			12.24	1.19	n.a.	n.a.	0.98	0.626	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.186	12.848	0.180	1102.3	1102.3	18.347	1.464	2.61	plastic	Clay	71.4			12.14	1.19	n.a.	n.a.	0.98	0.630	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.350	12.874	0.181	1122.0	1122.0	18.144	1.470	2.61	plastic	Clay	71.8			12.17	1.18	n.a.	n.a.	0.98	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.514	13.055	0.183	1141.7	1141.7	18.174	1.466	2.61	plastic	Clay	71.7			12.34	1.18	n.a.	n.a.	0.98	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.678	13.355	0.203	1161.4	1161.4	18.375	1.589	2.62	plastic	Clay	72.9			12.62	1.17	n.a.	n.a.	0.98	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.843	14.176	0.224	1181.2	1181.2	19.312	1.649	2.61	plastic	Clay	72.2			13.40	1.17	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	14.736	0.247	1200.9	1200.4	19.868	1.747	2.62	plastic	Clay	72.5			13.93	1.16	n.a.	n.a.	0.97	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.171	15.014	0.246	1221.4	1210.7	20.124	1.708	2.61	plastic	Clay	71.7			14.19	1.16	n.a.	n.a.	0.97	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.335	14.814	0.233	1241.9	1221.0	19.713	1.642	2.61	plastic	Clay	71.5			14.00	1.16	n.a.	n.a.	0.97	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.499	14.671	0.211	1262.4	1231.2	19.386	1.503	2.59	plastic	Clay	70.3			13.87	1.15	n.a.	n.a.	0.97	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.663	14.728	0.210	1282.9	1241.5	19.338	1.491	2.59	plastic	Clay	70.2			13.92	1.15	n.a.	n.a.	0.97	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.827	14.877	0.218	1303.4	1251.8	19.416	1.532	2.60	plastic	Clay	70.6			14.06	1.15	n.a.	n.a.	0.97	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.991	15.501	0.226	1323.9	1262.0	20.139	1.523	2.58	plastic	Clay	69.4			14.65	1.15	n.a.	n.a.	0.97	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.155	16.556	0.293	1344.4	1272.3	21.435	1.845	2.60		Mixed	71.3	16.85		16.85	1.32	22.26	79.60	0.97	0.666	1.046	0.115	0.142	0.21	0.04	0.08
11.319	17.831	0.399	1364.9	1282.6	23.012	2.327	2.64		Mixed	74.1			16.85	1.31	22.16	79.93	0.97	0.669	1.045	0.116	0.142	0.21	0.04	0.08
11.483	18.989	0.493	1385.4	1292.8	28.304	2.695	2.61		Clay	71.6			17.95	1.14	n.a.	n.a.	0.97	0.671	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.647	19.926	0.544	1405.9	1303.1	29.504	2.830	2.61		Clay	71.5			18.83	1.14	n.a.	n.a.	0.97	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.811	20.660	0.651	1426.4	1313.4	30.375	3.264	2.64		Clay	74.0			19.53	1.13	n.a.	n.a.	0.97	0.676	n.a.	n.a.	n.a.	n.a.	0.00	0.00
11.975	21.199	0.693	1446.9	1323.6	30.938	3.385	2.64		Clay	74.3			20.04	1.13	n.a.	n.a.	0.97	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
12.139	23.981	0.649	1467.4	1333.9	30.350	2.792	2.59		Mixed	70.5	30.47		30.47	1.26	38.34	100.22	0.97	0.681	1.049	0.138	0.182	0.27	0.03	0.06
12.303	28.581	0.547	1487.9	1344.2	33.012	1.965	2.47		Sand	60.6	30.47		30.47	1.26	38.28	97.88	0.97	0.683	1.047	0.135	0.176	0.26	0.03	0.06
12.467	32.237	0.554	1508.4	1354.4	37.193	1.760	2.40		Sand	54.9			30.47	1.25	38.20	96.11	0.97	0.685	1.046	0.132	0.172	0.25	0.03	0.07
12.631	32.106	0.561	1528.9	1364.7	36.887	1.790	2.41		Sand	55.5			30.35	1.25	37.91	95.93	0.96	0.687	1.045	0.132	0.172	0.25	0.03	0.07
12.795	26.688	0.535	1549.4	1375.0	30.384	2.065	2.51		Sand	63.9	30.35		30.35	1.24	37.69	97.97	0.96	0.689	1.045	0.135	0.176	0.26	0.03	0.06
12.959	22.196	0.516	1569.9	1385.2	27.224	2.410	2.59		Mixed	70.2	30.35		30.35	1.24	37.51	99.10	0.96	0.691	1.045	0.136	0.179	0.26	0.03	0.06
13.123	19.048	0.532	1590.4	1395.5	26.160	2.915	2.66		Clay	75.4			18.00	1.12	n.a.	n.a.	0.96	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.287	19.040	0.548	1610.9	1405.8	25.943	3.005	2.67		Clay	76.3			18.00	1.11	n.a.	n.a.	0.96	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.451	19.216	0.543	1631.4	1416.0	25.989	2.951	2.66		Clay	75.9			18.16	1.11	n.a.	n.a.	0.96	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.615	19.578	0.539	1651.9	1426.3	26.295	2.874	2.65		Clay	75.0			18.50	1.11	n.a.	n.a.	0.96	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
13.780	29.434	0.552	1672.5	1436.6	32.804	1.930	2.47		Sand	60.3	66.31		66.31	1.17	77.61	148.19	0.96	0.700	1.061	0.277	0.484	0.69	0.02	0.04
13.944	43.813	0.372	1693.0	1446.9	49.112	0.866	2.12		Sand	32.8	66.31		66.31	1.18	78.18	132.53	0.96	0.702	1.052	0.206	0.322	0.46	0.02	0.05
14.108	58.709	0.314	1713.5	1457.2	65.893	0.543	1.91		Sand	15.6	66.31		66.31	1.20	79.68	102.66	0.96	0.704	1.040	0.141	0.187	0.27	0.03	0.06
14.272	64.667	0.307	1734.0	1467.4	72.413	0.481	1.85		Sand	10.7	66.31		66.31	1.21	80.30	89.18	0.96	0.705	1.036	0.125	0.156	0.22	0.04	0.07
14.436	66.659	0.320	1754.5	1477.7	74.402	0.486	1.84		Sand	10.0	66.31		66.31	1.21	80.14	87.35	0.96	0.707	1.035	0.123	0.153	0.22	0.04	0.07
14.600	67.654	0.333	1775.0	1488.0	75.255	0.499	1.84		Sand	10.1	66.31		66.31	1.20	79.85	87.27	0.96	0.708	1.034	0.123	0.153	0.22	0.04	0.07
14.764	69.643	0.442	1795.5	1498.2	77.219	0.643	1.89		Sand	14.0	66.31		66.31	1.19	78.92	97.20	0.96	0.710	1.036	0.134	0.173	0.24	0.03	0.07
14.928	70.153	0.513	1816.0	1508.5	77.516	0.741	1.92		Sand	16.6			66.31	1.18	78.26	103.87	0.96	0.711	1.037	0.143	0.190	0.27	0.03	0.06
15.092	68.549	0.680	1836.5	1518.8	75.452	1.005	2.01		Sand	23.6			64.79	1.17	75.56	116.51	0.95	0.713	1.040	0.164	0.232	0.33	0.03	0.05
15.256	64.539	0.589	1857.0	1529.0	70.728	0.926	2.01		Sand	23.7			61.00	1.17	71.15	111.51	0.95	0.714	1.038	0.155	0.213	0.30	0.03	0.06
15.420	58.396	0.606	1877.5	1539.3	63.673	1.055	2.08		Sand	29.3			55.19	1.16	64.17	111.60	0.95	0.715	1.037	0.155	0.213	0.30	0.03	0.06
15.584	50.855	0.623	1898.0	1549.6	55.121	1.248	2.17		Sand	36.8			48.07	1.16	55.80	108.88	0.95	0.717	1.036	0.150	0.204	0.28	0.03	0.06
15.748	46.326	0.949	1918.5	1559.8	49.943	2.092	2.35		Sand	50.8			43.79	1.16	50.63	110.38	0.95	0.718	1.035	0.153	0.209	0.29	0.03	0.06
15.912	46.511	1.001	1939.0	1570.1	49.971	2.198	2.36		Sand	51.9			43.96	1.15	50.66	110.86	0.95	0.719	1.035	0.153	0.210	0.29	0.03	0.06
16.076	51.442	0.765	1959.5	1580.4	55.190	1.516	2.22		Sand	41.0			48.62	1.15	55.82	111.84	0.95	0.720	1.034	0.155	0.213	0.30	0.03	0.06

CORNERSTONE EARTH GROUP

CPT No.	K-2

PGA (A_{max})	0.76

Total Settlement:	2.69	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	Ic	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	51.939	0.643	1980.0	1590.6	55.542	1.262	2.17		Sand	36.8			49.09	1.15	56.27	109.46	0.95	0.721	1.033	0.151	0.205	0.28	0.03	0.06
16.404	50.242	0.697	2000.5	1600.9	53.509	1.415	2.22		Sand	40.3			47.49	1.14	54.26	109.48	0.95	0.723	1.032	0.151	0.205	0.28	0.03	0.06
16.568	48.716	0.751	2021.0	1611.2	51.674	1.574	2.26		Sand	43.6			46.05	1.14	52.46	109.21	0.95	0.724	1.031	0.151	0.204	0.28	0.03	0.06
16.732	50.888	0.804	2041.5	1621.4	53.844	1.612	2.25		Sand	43.0			48.10	1.13	54.56	111.51	0.95	0.725	1.031	0.155	0.212	0.29	0.03	0.06
16.896	51.595	0.915	2062.0	1631.7	54.425	1.810	2.28		Sand	45.3			48.77	1.13	55.10	113.45	0.95	0.726	1.031	0.158	0.218	0.30	0.03	0.06
17.060	47.127	0.840	2082.5	1642.0	49.449	1.823	2.31		Sand	48.0			44.54	1.13	50.30	108.74	0.95	0.727	1.029	0.150	0.202	0.28	0.03	0.06
17.224	40.615	0.875	2103.0	1652.2	42.319	2.212	2.42		Sand	56.4			38.39	1.13	43.35	103.16	0.95	0.728	1.027	0.142	0.186	0.26	0.03	0.06
17.388	37.903	0.773	2123.5	1662.5	39.285	2.098	2.43		Sand	57.3			35.83	1.13	40.41	99.65	0.94	0.729	1.026	0.137	0.177	0.24	0.03	0.06
17.552	34.030	0.770	2144.0	1672.8	35.036	2.336	2.50		Sand	62.7			32.16	1.13	36.24	95.81	0.94	0.730	1.024	0.132	0.168	0.23	0.03	0.07
17.717	32.841	0.828	2164.6	1683.1	33.657	2.607	2.54		Sand	66.2			31.04	1.12	34.88	94.88	0.94	0.731	1.023	0.131	0.166	0.23	0.03	0.07
17.881	31.417	0.886	2185.1	1693.4	32.040	2.922	2.59		Sand	70.1			29.69	1.12	33.29	93.62	0.94	0.731	1.023	0.130	0.163	0.22	0.03	0.07
18.045	39.666	0.782	2205.6	1703.6	40.622	2.028	2.41		Sand	55.6			37.49	1.11	41.75	100.85	0.94	0.732	1.023	0.138	0.179	0.24	0.03	0.06
18.209	47.215	0.689	2226.1	1713.9	48.417	1.495	2.27		Sand	44.2			44.63	1.11	49.44	105.79	0.94	0.733	1.023	0.145	0.192	0.26	0.03	0.06
18.373	52.644	0.809	2246.6	1724.1	53.947	1.570	2.24		Sand	42.3			49.76	1.10	54.83	111.47	0.94	0.734	1.024	0.154	0.210	0.29	0.03	0.06
18.537	51.354	0.929	2267.1	1734.4	52.430	1.850	2.30		Sand	46.7	49.76		49.76	1.10	54.63	113.61	0.94	0.735	1.024	0.158	0.217	0.30	0.03	0.06
18.701	48.723	0.894	2287.6	1744.7	49.526	1.879	2.32		Sand	48.6	49.76		49.76	1.09	54.46	114.28	0.94	0.735	1.023	0.160	0.220	0.30	0.03	0.06
18.865	41.573	0.858	2308.1	1754.9	41.949	2.123	2.41		Sand	55.8	49.76		49.76	1.09	54.26	116.84	0.94	0.736	1.023	0.165	0.229	0.31	0.03	0.05
19.029	32.554	0.807	2328.6	1765.2	32.483	2.571	2.55	plastic	Clay	66.8	49.76		49.76	1.05	n.a.	n.a.	0.94	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.193	21.558	0.576	2349.1	1775.5	22.961	2.826	2.69		Clay	78.3			20.38	1.05	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.357	15.072	0.559	2369.6	1785.7	15.553	4.025	2.92		Clay	96.5			14.25	1.05	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.521	12.565	0.420	2390.1	1796.0	12.661	3.694	2.97		Clay	100.0			11.88	1.04	n.a.	n.a.	0.93	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.685	11.959	0.326	2410.6	1806.3	11.907	3.032	2.94		Clay	98.0			11.30	1.04	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	11.321	0.252	2431.1	1816.5	11.126	2.494	2.91		Clay	96.1			10.70	1.04	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	10.602	0.240	2451.6	1826.8	10.265	2.560	2.95		Clay	98.9			10.02	1.04	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	10.094	0.231	2472.1	1837.1	9.643	2.608	2.98		Clay	100.0			9.54	1.04	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	9.795	0.226	2492.6	1847.3	9.255	2.644	2.99		Clay	100.0			9.26	1.04	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	9.424	0.207	2513.1	1857.6	8.793	2.534	3.00		Clay	100.0			8.91	1.03	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	8.903	0.199	2533.6	1867.9	8.176	2.606	3.04		Clay	100.0			8.41	1.03	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	8.232	0.176	2554.1	1878.1	7.406	2.531	3.07		Clay	100.0			7.78	1.03	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	7.720	0.161	2574.6	1888.4	6.813	2.503	3.09		Clay	100.0			7.30	1.03	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	7.652	0.169	2595.1	1898.7	6.694	2.660	3.11		Clay	100.0			7.23	1.03	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.325	8.077	0.176	2615.6	1908.9	7.092	2.600	3.09		Clay	100.0			7.63	1.03	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.490	9.170	0.231	2636.3	1919.3	8.182	2.942	3.06		Clay	100.0			8.67	1.03	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.654	9.821	0.274	2656.8	1929.5	8.803	3.226	3.06		Clay	100.0			9.28	1.02	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.818	10.094	0.333	2677.3	1939.8	9.027	3.803	3.09		Clay	100.0			9.54	1.02	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.982	9.265	0.247	2697.8	1950.1	8.119	3.120	3.08		Clay	100.0			8.76	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	8.464	0.221	2718.3	1960.3	7.249	3.111	3.12		Clay	100.0			8.00	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.310	8.066	0.194	2738.8	1970.6	6.797	2.897	3.13		Clay	100.0			7.62	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	8.436	0.200	2759.3	1980.9	7.125	2.834	3.11		Clay	100.0			7.97	1.02	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	10.488	0.205	2779.8	1991.1	9.139	2.253	2.96		Clay	99.9			9.91	1.02	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	12.415	0.221	2800.3	2001.4	11.007	2.006	2.87		Clay	92.3			11.73	1.01	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	15.781	0.270	2820.8	2011.7	14.287	1.879	2.76		Clay	83.4			14.92	1.01	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	16.857	0.306	2841.3	2021.9	15.269	1.982	2.74		Clay	82.5			15.93	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	18.167	0.524	2861.8	2032.2	16.471	3.131	2.83		Clay	89.6			17.17	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	18.700	0.556	2882.3	2042.5	16.900	3.222	2.83		Clay	89.5			17.67	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	19.176	0.536	2902.8	2052.7	17.269	3.024	2.81		Clay	87.5			18.12	1.01	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	18.900	0.534	2923.3	2063.0	16.906	3.062	2.82		Clay	88.4			17.86	1.01	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	18.777	0.573	2943.8	2073.3	16.694	3.311	2.84		Clay	90.4			17.75	1.01	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	20.598	0.611	2964.3	2083.5	18.349	3.196	2.80		Clay	87.0			19.47	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	25.196	0.703	2984.8	2093.8	22.642	2.966	2.71		Clay	79.7			23.81	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	28.909	0.852	3005.3	2104.1	26.051	3.109	2.67		Clay	77.0			27.32	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	32.766	0.950	3025.8	2114.3	29.563	3.040	2.63		Clay	73.1			30.97	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	36.662	0.877	3046.3	2124.6	33.145	2.496	2.53		Sand	65.6	39.79	1.8	71.62	1.00	71.50	141.88	0.91	0.751	0.999	0.243	0.384	0.51	0.02	0.04
24.934	41.107	0.650	3066.8	2134.9	37.239	1.643	2.38		Sand	53.4	39.79	1.8	71.62	1.00	71.35	137.74	0.91	0.751	0.999	0.225	0.345	0.46	0.02	0.04
25.098	42.094	0.618	3087.3	2145.1	38.066	1.524	2.35		Sand	51.3		1.8	71.62	0.99	71.20	136.63	0.91	0.751	0.998	0.220	0.336	0.45	0.02	0.05
25.262	36.381	0.748	3107.8	2155.4	32.616	2.148	2.50		Sand	62.8	39.79	1.8	71.62	0.99	71.07	140.55	0.91	0.751	0.997	0.237	0.370	0.49	0.02	0.04
25.427	29.514	0.878	3128.4	2165.7	25.811	3.141	2.68		Clay	77.4			27.90	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	26.326	0.852	3148.9	2176.0	22.750	3.442	2.75		Clay	82.8			24.88	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	28.865	0.840	3169.4	2186.3	24.956	3.079	2.69		Clay	77.9			27.28	0.99	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	33.309	0.678	3189.9	2196.5	29.421	2.138	2.53	plastic	Clay	65.5	35.8	1.78	63.72	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	36.590	0.631	3210.4	2206.8	32.380	1.804	2.45	plastic	Clay	59.3	35.8	1.78	63.72	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	37.880	0.651	3230.9	2217.1	33.486	1.795	2.44	plastic	Clay	58.2		1.78	63.73	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	35.790	0.672	3251.4	2227.3	31.474	1.967	2.49	plastic	Clay	61.9	35.8	1.78	63.72	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	30.681	0.678	3271.9	2237.6	26.696	2.334	2.59	plastic	Clay	70.0	35.8	1.78	63.72	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	23.887	0.586	3292.4	2247.9	19.788	2.635	2.72		Clay	80.9			22.58	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	18.896	0.627	3312.9	2258.1	15.269	3.637	2.90		Clay	94.8			17.86	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	16.551	0.508	3333.4	2268.4	13.123	3.413	2.93		Clay	97.7			15.64	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-2

PGA (A_{max})	0.76

Total Settlement:	2.69	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	Ic	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor ($K_{..}$)	Interpreted q_{cN}	C_N	q_{c1N}	$q_{c1N\text{-}CS}$	Stress Reduction Coeff, r_d	CSR	K$_\sigma$ for Sand	$CRR_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	16.408	0.525	3353.9	2278.7	12.930	3.564	2.95		Clay	99.0			15.51	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	18.379	0.542	3374.4	2288.9	14.585	3.247	2.88		Clay	93.7			17.37	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	22.469	0.706	3394.9	2299.2	18.069	3.399	2.82		Clay	88.8			21.24	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	26.875	0.734	3415.4	2309.5	21.795	2.916	2.72		Clay	80.4			25.40	0.98	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	27.607	0.835	3435.9	2319.7	22.321	3.225	2.74		Clay	81.9			26.09	0.98	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	24.098	0.765	3456.4	2330.0	19.202	3.420	2.80		Clay	87.3			22.78	0.97	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	19.021	0.717	3476.9	2340.3	14.770	4.149	2.94		Clay	98.6			17.98	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	15.486	0.492	3497.4	2350.5	11.689	3.581	2.99		Clay	100.0			14.64	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	13.480	0.472	3517.9	2360.8	9.930	4.027	3.07		Clay	100.0			12.74	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	12.576	0.429	3538.4	2371.1	9.116	3.970	3.10		Clay	100.0			11.89	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	11.440	0.371	3558.9	2381.3	8.114	3.840	3.13		Clay	100.0			10.81	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	10.953	0.314	3579.4	2391.6	7.663	3.427	3.12		Clay	100.0			10.35	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	10.659	0.297	3599.9	2401.9	7.377	3.352	3.13		Clay	100.0			10.07	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	10.717	0.265	3620.5	2412.2	7.385	2.975	3.10		Clay	100.0			10.13	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	10.832	0.260	3641.0	2422.5	7.440	2.885	3.09		Clay	100.0			10.24	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	11.009	0.246	3661.5	2432.7	7.546	2.680	3.07		Clay	100.0			10.41	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	11.079	0.227	3682.0	2443.0	7.563	2.457	3.05		Clay	100.0			10.47	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	11.067	0.219	3702.5	2453.3	7.513	2.376	3.05		Clay	100.0			10.46	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	10.922	0.218	3723.0	2463.5	7.356	2.406	3.06		Clay	100.0			10.32	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	10.873	0.227	3743.5	2473.8	7.277	2.522	3.07		Clay	100.0			10.28	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	10.842	0.235	3764.0	2484.1	7.214	2.623	3.08		Clay	100.0			10.25	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	10.843	0.259	3784.5	2494.3	7.177	2.894	3.11		Clay	100.0			10.25	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	10.858	0.262	3805.0	2504.6	7.151	2.926	3.11		Clay	100.0			10.26	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	10.920	0.270	3825.5	2514.9	7.163	2.998	3.12		Clay	100.0			10.32	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	11.009	0.280	3846.0	2525.1	7.196	3.082	3.12		Clay	100.0			10.41	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	11.068	0.274	3866.5	2535.4	7.206	3.000	3.12		Clay	100.0			10.46	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	11.178	0.274	3887.0	2545.6	7.255	2.967	3.11		Clay	100.0			10.57	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	11.363	0.269	3907.5	2555.9	7.363	2.859	3.10		Clay	100.0			10.74	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	11.748	0.297	3928.0	2566.2	7.625	3.036	3.10		Clay	100.0			11.10	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	12.169	0.325	3948.5	2576.4	7.914	3.188	3.10		Clay	100.0			11.50	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	12.470	0.375	3969.0	2586.7	8.107	3.576	3.12		Clay	100.0			11.79	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	12.611	0.354	3989.5	2597.0	8.176	3.335	3.09		Clay	100.0			11.92	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	12.686	0.373	4010.0	2607.2	8.193	3.492	3.11		Clay	100.0			11.99	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	12.766	0.393	4030.5	2617.5	8.214	3.656	3.12		Clay	100.0			12.07	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	12.787	0.378	4051.0	2627.8	8.191	3.513	3.11		Clay	100.0			12.09	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	12.737	0.403	4071.5	2638.0	8.113	3.766	3.13		Clay	100.0			12.04	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	12.794	0.377	4092.0	2648.3	8.117	3.508	3.11		Clay	100.0			12.09	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	11.989	0.337	4112.6	2658.6	7.472	3.393	3.13		Clay	100.0			11.33	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	11.288	0.237	4133.1	2668.9	6.910	2.570	3.09		Clay	100.0			10.67	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	10.599	0.151	4153.6	2679.2	6.362	1.772	3.04		Clay	100.0			10.02	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	11.242	0.152	4174.1	2689.4	6.808	1.660	3.00		Clay	100.0			10.63	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	12.796	0.153	4194.6	2699.7	7.926	1.430	2.92		Clay	96.3			12.09	0.94	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	14.852	0.163	4215.1	2710.0	9.406	1.279	2.83		Clay	89.2			14.04	0.94	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	16.809	0.166	4235.6	2720.2	10.801	1.130	2.75		Clay	82.9			15.89	0.94	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	18.442	0.186	4256.1	2730.5	11.949	1.140	2.71		Clay	80.0			17.43	0.93	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	20.226	0.196	4276.6	2740.8	13.199	1.084	2.66		Clay	76.1			19.12	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	21.400	0.193	4297.1	2751.0	13.996	1.003	2.63		Clay	73.0			20.23	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	20.970	0.220	4317.6	2761.3	13.625	1.170	2.67		Clay	76.4			19.82	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	17.906	0.257	4338.1	2771.6	11.356	1.633	2.81		Clay	87.6			16.92	0.93	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	14.698	0.322	4358.6	2781.8	9.000	2.572	3.00		Clay	100.0			13.89	0.93	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	13.544	0.400	4379.1	2792.1	8.133	3.523	3.11		Clay	100.0			12.80	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	15.394	0.376	4399.6	2802.4	9.416	2.850	3.01		Clay	100.0			14.55	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	19.667	0.391	4420.1	2812.6	12.413	2.240	2.85		Clay	90.8			18.59	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	22.452	0.401	4440.6	2822.9	14.334	1.982	2.77		Clay	84.3			21.22	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	23.517	0.476	4461.1	2833.2	15.027	2.236	2.78		Clay	85.3			22.23	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	26.210	0.597	4481.6	2843.4	16.859	2.491	2.76		Clay	84.2			24.77	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	32.929	0.743	4502.1	2853.7	21.500	2.422	2.67		Clay	76.8			31.12	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	42.982	1.050	4522.6	2864.0	33.083	2.579	2.54		Sand	66.4			40.63	0.86	34.82	94.84	0.85	0.739	0.969	0.131	0.157	0.21	0.03	0.07
36.745	43.960	1.268	4543.1	2874.2	29.008	3.042	2.63		Clay	73.6			41.55	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	37.776	1.612	4563.6	2884.5	24.610	4.542	2.80		Clay	87.1			35.71	0.92	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	33.250	1.305	4584.1	2894.8	21.389	4.215	2.83		Clay	89.0			31.43	0.92	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	38.532	1.351	4604.8	2905.1	24.942	3.729	2.74		Clay	82.2			36.42	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	46.526	1.438	4625.3	2915.4	30.331	3.252	2.64		Clay	74.0			43.98	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	49.436	1.553	4645.8	2925.6	32.207	3.296	2.62		Clay	72.7			46.73	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	47.757	1.697	4666.3	2935.9	30.944	3.736	2.67		Clay	76.6			45.14	0.92	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	46.261	1.746	4686.8	2946.2	29.813	3.976	2.70		Clay	79.0			43.72	0.92	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	43.648	1.778	4707.3	2956.4	27.935	4.306	2.74		Clay	82.6			41.26	0.92	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-2

PGA (A_{max})	0.76

Total Settlement:	2.69	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5}$ σ'_{vc} = 1 atm	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	38.720	1.561	4727.8	2966.7	24.509	4.294	2.79		Clay	85.9			36.60	0.91	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	31.029	1.544	4748.3	2977.0	19.251	5.388	2.93		Clay	97.4			29.33	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	23.818	1.199	4768.8	2987.2	14.350	5.594	3.04		Clay	100.0			22.51	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	18.051	0.895	4789.3	2997.5	10.446	5.717	3.15		Clay	100.0			17.06	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	15.264	0.660	4809.8	3007.8	8.551	5.133	3.19		Clay	100.0			14.43	0.91	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	13.608	0.513	4830.3	3018.0	7.417	4.583	3.21		Clay	100.0			12.86	0.91	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	13.047	0.446	4850.8	3028.3	7.015	4.199	3.21		Clay	100.0			12.33	0.91	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	12.909	0.384	4871.3	3038.6	6.894	3.666	3.18		Clay	100.0			12.20	0.91	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	13.100	0.407	4891.8	3048.8	6.989	3.820	3.18		Clay	100.0			12.38	0.91	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	14.118	0.430	4912.3	3059.1	7.624	3.687	3.14		Clay	100.0			13.34	0.91	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	14.873	0.491	4932.8	3069.4	8.084	3.958	3.14		Clay	100.0			14.06	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	14.887	0.476	4953.3	3079.6	8.060	3.836	3.13		Clay	100.0			14.07	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	13.966	0.437	4973.8	3089.9	7.430	3.807	3.16		Clay	100.0			13.20	0.90	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	13.551	0.433	4994.3	3100.2	7.131	3.917	3.18		Clay	100.0			12.81	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	14.018	0.451	5014.8	3110.4	7.401	3.918	3.17		Clay	100.0			13.25	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	15.078	0.469	5035.3	3120.7	8.050	3.734	3.13		Clay	100.0			14.25	0.90	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	16.377	0.538	5055.8	3131.0	8.847	3.885	3.10		Clay	100.0			15.48	0.90	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	17.545	0.605	5076.3	3141.2	9.555	4.031	3.09		Clay	100.0			16.58	0.90	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	18.485	0.552	5096.9	3151.6	10.113	3.464	3.03		Clay	100.0			17.47	0.90	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	19.192	0.504	5117.4	3161.8	10.521	3.030	2.98		Clay	100.0			18.14	0.90	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	21.815	0.540	5137.9	3172.1	12.135	2.806	2.91		Clay	95.9			20.62	0.90	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	25.340	0.577	5158.4	3182.4	14.304	2.535	2.83		Clay	89.2			23.95	0.90	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	25.274	0.769	5178.9	3192.6	14.211	3.390	2.90		Clay	95.3			23.89	0.90	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	22.692	0.701	5199.4	3202.9	12.546	3.489	2.95		Clay	99.4			21.45	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	19.206	0.705	5219.9	3213.2	10.330	4.248	3.07		Clay	100.0			18.15	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	19.321	0.562	5240.4	3223.4	10.362	3.365	3.01		Clay	100.0			18.26	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	19.641	0.555	5260.9	3233.7	10.521	3.263	3.00		Clay	100.0			18.56	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	19.939	0.516	5281.4	3244.0	10.665	2.983	2.97		Clay	100.0			18.85	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	20.219	0.495	5301.9	3254.2	10.797	2.818	2.95		Clay	99.3			19.11	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	22.012	0.511	5322.4	3264.5	11.855	2.641	2.90		Clay	95.4			20.81	0.89	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	23.165	0.527	5342.9	3274.8	12.516	2.572	2.88		Clay	93.3			21.90	0.89	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	23.662	0.671	5363.4	3285.0	12.773	3.198	2.93		Clay	97.1			22.36	0.89	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	24.698	0.769	5383.9	3295.3	13.356	3.494	2.93		Clay	97.7			23.34	0.89	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	27.921	0.672	5404.4	3305.6	15.258	2.665	2.82		Clay	88.4			26.39	0.89	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	32.066	0.963	5424.9	3315.8	17.705	3.281	2.82		Clay	88.6			30.31	0.89	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	33.410	1.077	5445.4	3326.1	18.453	3.510	2.82		Clay	88.9			31.58	0.89	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	31.950	0.965	5465.9	3336.4	17.514	3.303	2.83		Clay	89.0			30.20	0.89	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.291	30.601	0.899	5486.4	3346.6	16.648	3.227	2.84		Clay	89.9			28.92	0.89	n.a.	n.a.	0.81	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.455	30.898	1.072	5506.9	3356.9	16.768	3.809	2.88		Clay	93.3			29.20	0.89	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.619	34.426	1.245	5527.4	3367.1	18.807	3.932	2.85		Clay	90.9			32.54	0.88	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	39.396	1.588	5547.9	3377.4	21.686	4.336	2.83		Clay	89.3			37.24	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	47.534	1.606	5568.5	3387.7	26.419	3.589	2.71		Clay	79.8			44.93	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	53.761	1.800	5589.0	3398.0	29.998	3.532	2.66		Clay	76.1			50.81	0.88	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	53.874	1.813	5609.5	3408.3	29.968	3.550	2.67		Clay	76.3			50.92	0.88	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	49.199	1.532	5630.0	3418.5	27.137	3.303	2.68		Clay	77.2			46.50	0.88	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	43.943	1.445	5650.5	3428.8	23.984	3.514	2.74		Clay	81.9			41.53	0.88	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	41.227	1.393	5671.0	3439.1	22.327	3.628	2.77		Clay	84.5			38.97	0.88	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.932	37.394	1.374	5691.5	3449.3	20.032	3.977	2.83		Clay	89.4			35.34	0.88	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.096	32.010	1.124	5712.0	3459.6	16.854	3.855	2.88		Clay	93.4			30.26	0.88	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.260	26.545	0.983	5732.5	3469.9	13.648	4.151	2.97		Clay	100.0			25.09	0.88	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.424	22.755	0.745	5753.0	3480.1	11.424	3.748	3.01		Clay	100.0			21.51	0.88	n.a.	n.a.	0.79	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.588	19.616	0.604	5773.5	3490.4	9.586	3.610	3.06		Clay	100.0			18.54	0.88	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.752	17.803	0.604	5794.0	3500.7	8.516	4.052	3.13		Clay	100.0			16.83	0.88	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.916	16.298	0.581	5814.5	3510.9	7.628	4.339	3.19		Clay	100.0			15.40	0.87	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.080	15.887	0.585	5835.0	3521.2	7.367	4.511	3.21		Clay	100.0			15.02	0.87	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.244	15.535	0.543	5855.5	3531.5	7.140	4.307	3.21		Clay	100.0			14.68	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.408	15.222	0.526	5876.0	3541.7	6.937	4.282	3.22		Clay	100.0			14.39	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	15.023	0.497	5896.5	3552.0	6.799	4.116	3.21		Clay	100.0			14.20	0.87	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	15.059	0.465	5917.0	3562.3	6.794	3.843	3.20		Clay	100.0			14.23	0.87	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	15.316	0.434	5937.5	3572.5	6.912	3.515	3.17		Clay	100.0			14.48	0.87	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	15.545	0.446	5958.0	3582.8	7.015	3.549	3.17		Clay	100.0			14.69	0.87	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	15.657	0.457	5978.5	3593.1	7.051	3.608	3.17		Clay	100.0			14.80	0.87	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	15.617	0.472	5999.0	3603.3	7.003	3.741	3.18		Clay	100.0			14.76	0.87	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	15.367	0.443	6019.5	3613.6	6.839	3.585	3.18		Clay	100.0			14.52	0.87	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	14.992	0.416	6040.0	3623.9	6.607	3.475	3.18		Clay	100.0			14.17	0.87	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	14.565	0.388	6060.6	3634.2	6.348	3.364	3.19		Clay	100.0			13.77	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	14.288	0.331	6081.1	3644.5	6.172	2.943	3.17		Clay	100.0			13.50	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-2

PGA (A_{max})	0.76

Total Settlement:	2.69	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{HL})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	14.207	0.321	6101.6	3654.7	6.105	2.877	3.17		Clay	100.0			13.43	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	14.155	0.326	6122.1	3665.0	6.054	2.939	3.17		Clay	100.0			13.38	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	14.184	0.331	6142.6	3675.3	6.047	2.979	3.18		Clay	100.0			13.41	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	14.244	0.323	6163.1	3685.5	6.057	2.894	3.17		Clay	100.0			13.46	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	14.262	0.327	6183.6	3695.8	6.045	2.927	3.17		Clay	100.0			13.48	0.86	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	14.260	0.330	6204.1	3706.1	6.021	2.958	3.18		Clay	100.0			13.48	0.86	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.197	14.218	0.323	6224.6	3716.3	5.977	2.908	3.18		Clay	100.0			13.44	0.86	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
0.164	211.312	0.244	19.7	19.7	2070.921	0.115	0.32		Unsaturated	0.0			199.73	1.70	339.54	339.54	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
0.328	240.901	0.308	39.4	39.4	1669.351	0.128	0.41		Unsaturated	0.0			227.69	1.70	387.08	387.08	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
0.492	273.695	0.622	59.0	59.0	1548.528	0.227	0.64		Unsaturated	0.0			258.69	1.70	439.77	439.77	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
0.656	216.224	0.729	78.7	78.7	1059.387	0.337	0.87		Unsaturated	0.0			204.37	1.70	347.43	347.43	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
0.820	216.713	0.884	98.4	98.4	949.644	0.408	0.97		Unsaturated	0.0			204.83	1.70	348.22	348.22	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
0.984	207.119	1.655	118.1	118.1	828.476	0.799	1.25		Unsaturated	0.0			195.76	1.70	332.80	332.80	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
1.148	206.768	1.840	137.8	137.8	765.683	0.890	1.31		Unsaturated	0.0			195.43	1.70	332.24	332.24	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
1.312	224.748	2.602	157.4	157.4	778.499	1.158	1.41		Unsaturated	0.0			212.43	1.70	361.13	361.13	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
1.476	240.781	2.291	177.1	177.1	786.323	0.952	1.33		Unsaturated	0.0			227.58	1.70	386.89	386.89	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
1.640	257.925	2.083	196.8	196.8	799.075	0.808	1.26		Unsaturated	0.0			243.79	1.70	414.44	414.44	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
1.804	266.862	1.575	216.5	216.5	788.268	0.590	1.15		Unsaturated	0.0			252.23	1.70	428.80	428.80	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
1.969	261.005	0.803	236.3	236.3	737.923	0.308	0.93		Unsaturated	0.0			246.70	1.70	419.38	419.38	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
2.133	201.806	0.722	256.0	256.0	548.081	0.358	1.06		Unsaturated	0.0			190.74	1.70	324.26	324.26	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
2.297	118.490	0.463	275.6	275.6	309.940	0.391	1.27		Unsaturated	0.0			111.99	1.70	190.39	190.39	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
2.461	52.655	0.435	295.3	295.3	132.845	0.828	1.76		Unsaturated	4.1			49.77	1.70	84.61	84.63	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
2.625	25.249	0.449	315.0	315.0	61.467	1.789	2.24		Unsaturated	41.8			23.86	1.70	40.57	93.37	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
2.789	17.219	0.463	334.7	334.7	40.525	2.715	2.49		Unsaturated	62.2			16.28	1.70	27.67	84.70	1.00	0.494	1.100	n.a.	n.a.	n.a.	0.00	0.00
2.953	15.280	0.484	354.4	354.4	34.883	3.205	2.59		Unsaturated	70.0			14.44	1.70	24.55	82.32	1.00	0.493	1.100	n.a.	n.a.	n.a.	0.00	0.00
3.117	14.810	0.499	374.0	374.0	46.491	3.412	2.51		Unsaturated	64.2			14.00	1.70	23.80	80.17	1.00	0.493	1.100	n.a.	n.a.	n.a.	0.00	0.00
3.281	14.989	0.495	393.7	393.7	45.371	3.346	2.52		Unsaturated	64.3			14.17	1.70	24.08	80.57	1.00	0.493	1.100	n.a.	n.a.	n.a.	0.00	0.00
3.445	15.394	0.499	413.4	413.4	45.019	3.286	2.51		Unsaturated	64.1			14.55	1.70	24.74	81.35	1.00	0.493	1.100	n.a.	n.a.	n.a.	0.00	0.00
3.609	15.692	0.502	433.1	433.1	44.404	3.244	2.51		Unsaturated	64.1			14.83	1.70	25.21	81.98	1.00	0.492	1.100	n.a.	n.a.	n.a.	0.00	0.00
3.773	16.045	0.567	452.8	452.8	43.998	3.584	2.55		Unsaturated	66.7			15.17	1.70	25.78	83.27	1.00	0.492	1.100	n.a.	n.a.	n.a.	0.00	0.00
3.937	17.223	0.576	472.4	472.4	45.861	3.391	2.52		Unsaturated	64.3			16.28	1.70	27.67	85.19	1.00	0.492	1.100	n.a.	n.a.	n.a.	0.00	0.00
4.101	18.444	0.571	492.1	492.1	35.666	3.138	2.57		Unsaturated	68.9			17.43	1.70	29.64	88.68	1.00	0.492	1.100	n.a.	n.a.	n.a.	0.00	0.00
4.265	19.471	0.582	511.8	511.8	36.929	3.029	2.55		Unsaturated	67.2			18.40	1.70	31.29	90.46	0.99	0.491	1.100	n.a.	n.a.	n.a.	0.00	0.00
4.429	19.585	0.593	531.5	531.5	36.435	3.069	2.56		Unsaturated	67.8			18.51	1.70	31.47	90.83	0.99	0.491	1.100	n.a.	n.a.	n.a.	0.00	0.00
4.593	19.739	0.627	551.2	551.2	36.046	3.221	2.58		Unsaturated	69.2			18.66	1.70	31.72	91.43	0.99	0.491	1.100	n.a.	n.a.	n.a.	0.00	0.00
4.757	19.832	0.642	570.8	570.8	35.570	3.284	2.59		Unsaturated	70.0			18.74	1.70	31.87	91.77	0.99	0.491	1.100	n.a.	n.a.	n.a.	0.00	0.00
4.921	20.035	0.655	590.5	590.5	35.318	3.318	2.59		Unsaturated	70.5			18.94	1.70	32.19	92.27	0.99	0.490	1.100	n.a.	n.a.	n.a.	0.00	0.00
5.085	20.519	0.670	610.2	610.2	35.578	3.315	2.59	plastic	Clay	70.2			19.39	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	20.010	0.674	630.6	621.3	43.893	3.422	2.53	plastic	Clay	65.7	19.39		19.39	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	18.593	0.680	651.1	631.6	40.248	3.722	2.59	plastic	Clay	69.9	19.39		19.39	1.38	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	16.462	0.646	671.6	641.9	35.132	4.006	2.65	plastic	Clay	75.0	19.39		19.39	1.37	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	15.289	0.591	692.1	652.1	32.194	3.955	2.67	plastic	Clay	77.0	19.39		19.39	1.36	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	14.362	0.420	712.8	662.5	29.845	2.999	2.62	plastic	Clay	72.5	19.39		19.39	1.36	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	13.757	0.415	733.3	672.7	28.228	3.099	2.65	plastic	Clay	74.8	19.39		19.39	1.35	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	13.229	0.410	753.8	683.0	26.808	3.190	2.67	plastic	Clay	76.8	19.39		19.39	1.35	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	13.072	0.422	774.3	693.3	26.184	3.327	2.69	plastic	Clay	78.3			12.36	1.34	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	12.929	0.400	794.8	703.5	25.603	3.192	2.69	plastic	Clay	78.0			12.22	1.34	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	12.929	0.389	815.3	713.8	25.324	3.107	2.68	plastic	Clay	77.7			12.22	1.33	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	13.125	0.394	835.8	724.1	25.444	3.101	2.68	plastic	Clay	77.5			12.41	1.33	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	13.280	0.399	856.3	734.3	25.481	3.105	2.68	plastic	Clay	77.5			12.55	1.32	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	13.373	0.440	876.8	744.6	34.743	3.402	2.61		Clay	71.5			12.64	1.32	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	13.113	0.445	897.3	754.9	33.555	3.514	2.63		Clay	73.1			12.39	1.31	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	12.857	0.454	917.8	765.1	32.408	3.662	2.65		Clay	75.0			12.15	1.31	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	12.339	0.428	938.3	775.4	30.617	3.606	2.66		Clay	76.1			11.66	1.30	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	11.753	0.365	958.8	785.7	28.699	3.238	2.65		Clay	75.3			11.11	1.30	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	11.236	0.299	979.3	795.9	27.004	2.782	2.63		Clay	73.5			10.62	1.29	n.a.	n.a.	0.98	0.602	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.202	10.834	0.267	999.8	806.2	25.637	2.584	2.63		Clay	73.3			10.24	1.29	n.a.	n.a.	0.98	0.606	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.366	10.696	0.253	1020.3	816.5	24.952	2.484	2.63		Clay	73.2			10.11	1.29	n.a.	n.a.	0.98	0.610	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.530	10.710	0.231	1040.8	826.7	24.651	2.267	2.61		Clay	71.6			10.12	1.28	n.a.	n.a.	0.98	0.614	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.694	10.780	0.216	1061.3	837.0	18.543	2.107	2.69		Mixed	78.1	12.57		12.57	1.66	20.92	78.93	0.98	0.618	1.084	0.115	0.146	0.24	0.04	0.08
8.858	11.024	0.190	1081.8	847.3	18.804	1.812	2.65		Mixed	74.8	12.57		12.57	1.66	20.81	78.29	0.98	0.622	1.082	0.114	0.145	0.23	0.04	0.08
9.022	11.233	0.190	1102.3	857.5	19.000	1.779	2.64		Mixed	74.1	12.57		12.57	1.65	20.68	78.02	0.98	0.626	1.081	0.114	0.144	0.23	0.04	0.08
9.186	11.879	0.197	1122.8	867.8	19.964	1.741	2.62		Mixed	72.3	12.57		12.57	1.64	20.57	77.57	0.98	0.630	1.079	0.114	0.144	0.23	0.04	0.08
9.350	12.870	0.205	1143.3	878.1	21.516	1.667	2.58		Mixed	69.3	12.57		12.57	1.63	20.47	76.91	0.98	0.633	1.078	0.113	0.142	0.22	0.04	0.08
9.514	13.275	0.229	1163.8	888.3	22.027	1.804	2.59		Mixed	70.1	12.57		12.57	1.62	20.34	76.90	0.98	0.637	1.077	0.113	0.142	0.22	0.04	0.08
9.678	13.294	0.240	1184.3	898.6	21.865	1.889	2.60		Mixed	71.3			12.57	1.61	20.20	76.92	0.98	0.640	1.076	0.113	0.142	0.22	0.04	0.08
9.843	13.283	0.329	1204.9	908.9	27.903	2.595	2.60		Clay	71.1			12.55	1.25	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	14.110	0.329	1225.4	919.2	22.869	2.438	2.65		Mixed	75.2	21.38		21.38	1.53	32.77	93.86	0.97	0.646	1.084	0.130	0.173	0.27	0.03	0.07
10.171	14.681	0.334	1245.9	929.4	23.634	2.376	2.63		Mixed	73.8	21.38		21.38	1.53	32.61	93.41	0.97	0.649	1.083	0.129	0.172	0.27	0.03	0.07
10.335	14.930	0.332	1266.4	939.7	23.852	2.322	2.63		Mixed	73.0	21.38		21.38	1.52	32.45	93.07	0.97	0.652	1.082	0.129	0.171	0.26	0.03	0.07
10.499	14.905	0.318	1286.9	950.0	23.613	2.230	2.62		Mixed	72.5	21.38		21.38	1.51	32.29	92.76	0.97	0.655	1.080	0.129	0.170	0.26	0.03	0.07
10.663	15.571	0.325	1307.4	960.2	24.513	2.179	2.60		Mixed	71.0	21.38		21.38	1.50	32.14	92.29	0.97	0.658	1.079	0.128	0.169	0.26	0.03	0.07
10.827	16.329	0.332	1327.9	970.5	25.551	2.119	2.58		Mixed	69.2	21.38		21.38	1.50	31.99	91.78	0.97	0.661	1.078	0.127	0.168	0.25	0.04	0.07
10.991	17.412	0.367	1348.4	980.8	27.100	2.193	2.57		Mixed	68.3	21.38		21.38	1.49	31.84	91.40	0.97	0.664	1.076	0.127	0.167	0.25	0.04	0.07
11.155	18.048	0.394	1368.9	991.0	27.909	2.269	2.57		Mixed	68.2	21.38		21.38	1.48	31.68	91.18	0.97	0.666	1.075	0.127	0.166	0.25	0.04	0.07

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{Δ})	Interpreted q_{cIN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
11.319	18.754	0.428	1389.4	1001.3	28.819	2.370	2.57		Mixed	68.3	21.38		21.38	1.47	31.52	90.98	0.97	0.669	1.074	0.127	0.166	0.25	0.04	0.07
11.483	20.080	0.472	1409.9	1011.6	30.699	2.436	2.55		Mixed	67.2	21.38		21.38	1.47	31.38	90.57	0.97	0.671	1.073	0.126	0.165	0.25	0.04	0.07
11.647	21.555	0.533	1430.4	1021.8	28.345	2.558	2.59		Sand	70.4	21.38		21.38	1.46	31.19	90.97	0.97	0.674	1.072	0.127	0.165	0.25	0.04	0.07
11.811	22.618	0.527	1450.9	1032.1	29.628	2.407	2.56		Sand	67.9			21.38	1.45	31.06	90.31	0.97	0.676	1.071	0.126	0.164	0.24	0.04	0.07
11.975	23.375	0.573	1471.4	1042.4	30.488	2.531	2.56		Sand	68.2			22.09	1.44	31.88	91.43	0.97	0.678	1.070	0.127	0.166	0.24	0.04	0.07
12.139	24.754	0.620	1491.9	1052.6	32.173	2.582	2.55		Sand	67.2			23.40	1.43	33.48	93.29	0.97	0.681	1.070	0.129	0.170	0.25	0.03	0.07
12.303	27.000	0.581	1512.4	1062.9	34.999	2.214	2.48		Sand	61.5			25.52	1.42	36.21	95.49	0.97	0.683	1.071	0.132	0.175	0.26	0.03	0.07
12.467	32.882	0.700	1532.9	1073.2	42.624	2.180	2.41		Sand	55.9			31.08	1.40	43.39	103.04	0.97	0.685	1.074	0.141	0.194	0.28	0.03	0.06
12.631	40.918	0.824	1553.4	1083.4	53.023	2.053	2.32		Sand	48.8			38.67	1.37	53.03	112.56	0.96	0.687	1.079	0.156	0.225	0.33	0.03	0.06
12.795	50.513	0.708	1573.9	1093.7	65.374	1.424	2.15		Sand	35.0			47.74	1.35	64.68	118.27	0.96	0.689	1.081	0.167	0.249	0.36	0.03	0.05
12.959	56.581	0.578	1594.4	1104.0	72.996	1.036	2.03		Sand	25.1			53.48	1.35	72.40	115.47	0.96	0.691	1.078	0.162	0.236	0.34	0.03	0.05
13.123	59.122	0.455	1614.9	1114.2	75.956	0.780	1.94		Sand	18.2			55.88	1.37	76.29	105.84	0.96	0.693	1.071	0.145	0.202	0.29	0.03	0.06
13.287	58.049	0.406	1635.4	1124.5	74.204	0.709	1.92		Sand	17.0			54.87	1.37	75.03	101.39	0.96	0.695	1.068	0.139	0.189	0.27	0.03	0.06
13.451	54.533	0.454	1655.9	1134.8	69.316	0.845	1.99		Sand	22.4			51.54	1.35	69.61	107.39	0.96	0.697	1.070	0.148	0.206	0.30	0.03	0.06
13.615	51.924	0.502	1676.4	1145.0	65.639	0.983	2.05		Sand	27.0			49.08	1.34	65.74	110.41	0.96	0.698	1.071	0.153	0.216	0.31	0.03	0.06
13.780	50.924	0.669	1697.0	1155.4	64.053	1.336	2.14		Sand	34.2			48.13	1.32	63.73	116.32	0.96	0.700	1.073	0.164	0.239	0.34	0.03	0.05
13.944	51.786	0.640	1717.5	1165.6	64.855	1.257	2.12		Sand	32.5			48.95	1.32	64.59	115.73	0.96	0.702	1.072	0.162	0.236	0.34	0.03	0.05
14.108	51.236	0.639	1738.0	1175.9	63.861	1.269	2.13		Sand	33.1			48.43	1.31	63.68	115.26	0.96	0.704	1.070	0.161	0.234	0.33	0.03	0.05
14.272	50.143	0.756	1758.5	1186.2	62.191	1.535	2.19		Sand	38.0			47.39	1.31	61.92	117.36	0.96	0.705	1.071	0.166	0.242	0.34	0.03	0.05
14.436	49.906	0.873	1779.0	1196.4	61.613	1.781	2.23		Sand	41.6			47.17	1.30	61.27	119.06	0.96	0.707	1.070	0.169	0.250	0.35	0.03	0.05
14.600	51.929	1.040	1799.5	1206.7	63.869	2.038	2.26		Sand	43.8			49.08	1.29	63.24	122.86	0.96	0.708	1.072	0.178	0.268	0.38	0.03	0.05
14.764	55.243	1.117	1820.0	1217.0	67.717	2.056	2.24		Sand	42.6			52.21	1.28	66.77	126.49	0.96	0.710	1.073	0.187	0.289	0.41	0.03	0.05
14.928	58.225	0.890	1840.5	1227.2	71.121	1.553	2.15		Sand	34.8			55.03	1.28	70.23	124.81	0.96	0.711	1.071	0.183	0.278	0.39	0.03	0.05
15.092	60.827	0.662	1861.0	1237.5	74.029	1.105	2.04		Sand	26.1			57.49	1.28	73.58	118.43	0.95	0.713	1.066	0.168	0.246	0.35	0.03	0.05
15.256	65.114	0.736	1881.5	1247.8	78.988	1.147	2.03		Sand	25.2			61.54	1.27	78.15	122.30	0.95	0.714	1.067	0.177	0.264	0.37	0.03	0.05
15.420	69.588	0.642	1902.0	1258.0	84.137	0.935	1.95		Sand	19.1			65.77	1.27	83.72	116.30	0.95	0.715	1.063	0.163	0.236	0.33	0.03	0.05
15.584	72.209	0.618	1922.5	1268.3	86.983	0.867	1.92		Sand	16.6			68.25	1.27	86.82	113.21	0.95	0.717	1.060	0.158	0.224	0.31	0.03	0.06
15.748	72.001	0.622	1943.0	1278.6	86.367	0.876	1.92		Sand	16.9			68.05	1.27	86.21	113.62	0.95	0.718	1.060	0.158	0.225	0.31	0.03	0.06
15.912	70.696	0.627	1963.5	1288.8	84.430	0.899	1.94		Sand	18.1			66.82	1.26	84.25	114.58	0.95	0.719	1.059	0.160	0.229	0.32	0.03	0.05
16.076	70.315	0.798	1984.0	1299.1	83.624	1.151	2.01		Sand	23.7			66.46	1.24	82.66	125.03	0.95	0.720	1.063	0.183	0.278	0.39	0.03	0.05
16.240	68.644	0.902	2004.5	1309.4	81.275	1.333	2.06		Sand	27.8			64.88	1.24	80.15	128.69	0.95	0.721	1.064	0.193	0.300	0.42	0.02	0.05
16.404	64.533	0.770	2025.0	1319.6	76.026	1.212	2.06		Sand	27.4			61.00	1.24	75.50	122.63	0.95	0.723	1.060	0.177	0.264	0.37	0.03	0.05
16.568	56.906	0.806	2045.5	1329.9	66.626	1.442	2.15		Sand	34.8			53.79	1.24	66.48	120.27	0.95	0.724	1.058	0.172	0.252	0.35	0.03	0.05
16.732	50.913	0.841	2066.0	1340.2	59.241	1.686	2.23		Sand	41.4			48.12	1.24	59.46	116.68	0.95	0.725	1.055	0.164	0.236	0.33	0.03	0.05
16.896	47.702	0.995	2086.5	1350.4	55.204	2.133	2.32		Sand	48.6			45.09	1.23	55.56	115.69	0.95	0.726	1.054	0.162	0.232	0.32	0.03	0.05
17.060	54.343	0.933	2107.0	1360.7	62.811	1.751	2.22		Sand	40.7			51.36	1.22	62.82	120.41	0.95	0.727	1.055	0.172	0.252	0.35	0.03	0.05
17.224	62.709	0.859	2127.5	1371.0	72.387	1.393	2.11		Sand	31.8			59.27	1.22	72.02	124.03	0.95	0.728	1.056	0.181	0.270	0.37	0.03	0.05
17.388	69.921	0.817	2148.0	1381.2	80.542	1.187	2.03		Sand	25.4			66.09	1.21	79.99	124.83	0.94	0.729	1.055	0.183	0.275	0.38	0.03	0.05
17.552	70.725	0.862	2168.5	1391.5	81.170	1.238	2.04		Sand	26.1			66.85	1.20	80.52	126.65	0.94	0.730	1.055	0.188	0.285	0.39	0.03	0.05
17.717	69.125	0.906	2189.1	1401.8	79.000	1.332	2.07		Sand	28.5			65.34	1.20	78.39	127.59	0.94	0.731	1.055	0.190	0.290	0.40	0.02	0.05
17.881	68.011	1.042	2209.6	1412.1	77.412	1.557	2.12		Sand	32.6			64.28	1.19	76.71	130.56	0.94	0.731	1.055	0.199	0.309	0.42	0.02	0.05
18.045	67.230	1.318	2230.1	1422.4	76.220	1.993	2.20		Sand	38.8			63.54	1.19	75.37	134.60	0.94	0.732	1.056	0.213	0.339	0.46	0.02	0.05
18.209	66.977	1.352	2250.6	1432.6	75.644	2.053	2.21		Sand	39.7			63.31	1.18	74.85	134.64	0.94	0.733	1.055	0.213	0.339	0.46	0.02	0.05
18.373	68.053	1.502	2271.1	1442.9	76.594	2.245	2.23		Sand	41.6			64.32	1.18	75.70	137.01	0.94	0.734	1.055	0.222	0.358	0.49	0.02	0.05
18.537	68.057	1.661	2291.6	1453.2	76.316	2.482	2.26		Sand	44.2			64.33	1.17	75.41	138.29	0.94	0.735	1.054	0.227	0.369	0.50	0.02	0.04
18.701	67.112	1.503	2312.1	1463.4	74.962	2.279	2.24		Sand	42.5	64.33		64.33	1.17	75.25	137.05	0.94	0.735	1.053	0.222	0.358	0.49	0.02	0.05
18.865	63.192	1.141	2332.6	1473.7	70.249	1.840	2.20		Sand	39.0	64.33		64.33	1.17	75.15	134.46	0.94	0.736	1.051	0.212	0.336	0.46	0.02	0.05
19.029	56.181	1.087	2353.1	1484.0	62.081	1.976	2.26		Sand	43.8	64.33		64.33	1.16	74.79	137.33	0.94	0.737	1.051	0.223	0.360	0.49	0.02	0.05
19.193	48.619	1.032	2373.6	1494.2	53.350	2.176	2.34		Sand	50.0	64.33		64.33	1.16	74.45	140.17	0.94	0.738	1.051	0.235	0.386	0.52	0.02	0.04
19.357	39.118	1.029	2394.1	1504.5	42.507	2.714	2.47		Sand	61.0	64.33		64.33	1.15	74.07	143.87	0.94	0.738	1.052	0.253	0.426	0.58	0.02	0.04
19.521	30.255	0.901	2414.6	1514.8	34.693	3.102	2.58		Mixed	69.4	64.33		64.33	1.15	73.79	145.75	0.93	0.739	1.052	0.263	0.448	0.61	0.02	0.04
19.685	21.353	0.738	2435.1	1525.0	26.407	3.665	2.72		Clay	80.3			20.18	1.09	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	17.078	0.602	2455.6	1535.3	20.648	3.798	2.81		Clay	87.6			16.14	1.09	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	16.852	0.502	2476.1	1545.6	20.205	3.215	2.77		Clay	84.5			15.93	1.09	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	17.355	0.474	2496.6	1555.8	20.705	2.943	2.74		Clay	82.0			16.40	1.08	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	16.700	0.449	2517.1	1566.1	19.720	2.908	2.75		Clay	83.0			15.78	1.08	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	15.046	0.363	2537.6	1576.4	17.480	2.635	2.77		Clay	84.3			14.22	1.08	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	14.815	0.372	2558.1	1586.6	17.063	2.748	2.79		Clay	85.9			14.00	1.08	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	15.727	0.381	2578.6	1596.9	18.082	2.639	2.76		Clay	83.4			14.86	1.08	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	23.418	0.595	2599.1	1607.2	27.525	2.690	2.62		Clay	72.3			22.13	1.08	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	37.048	0.801	2619.6	1617.4	38.636	2.241	2.45		Sand	59.2	48.59	1.78	86.49	1.10	95.55	170.76	0.93	0.744	1.052	0.516	1.056	1.42	0.00	0.00
21.325	50.150	1.009	2640.1	1627.7	52.623	2.066	2.33		Sand	49.2	48.59	1.78	86.49	1.10	95.49	166.36	0.93	0.745	1.049	0.448	0.882	1.18	0.01	0.01
21.490	51.406	1.127	2660.8	1638.0	53.795	2.251	2.34		Sand	50.6		1.78	86.49	1.10	95.25	166.76	0.93	0.745	1.048	0.453	0.895	1.20	0.01	0.01
21.654	41.290	1.023	2681.3	1648.3	42.783	2.561	2.46		Sand	59.5	48.59	1.78	86.49	1.10	94.91	170.05	0.92	0.746	1.048	0.504	1.022	1.37	0.00	0.00
21.818	27.740	0.735	2701.8	1658.5	29.580	2.785	2.60		Mixed	71.1	48.59	1.78	86.49	1.09	94.59	173.03	0.92	0.746	1.048	0.559	1.159	1.55	0.00	0.00
21.982	18.324	0.404	2722.3	1668.8	20.329	2.382	2.69		Clay	78.0			17.32	1.06	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	13.362	0.339	2742.8	1679.1	14.282	2.827	2.86		Clay	91.4			12.63	1.06	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
22.310	12.000	0.320	2763.3	1689.3	12.571	3.014	2.92		Clay	96.3			11.34	1.06	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	11.536	0.301	2783.8	1699.6	11.937	2.967	2.93		Clay	97.5			10.90	1.06	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	11.512	0.284	2804.3	1709.9	11.825	2.809	2.92		Clay	96.7			10.88	1.06	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	11.396	0.281	2824.8	1720.1	11.608	2.815	2.93		Clay	97.2			10.77	1.06	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	11.822	0.296	2845.3	1730.4	12.020	2.846	2.92		Clay	96.5			11.17	1.05	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	11.876	0.312	2865.8	1740.7	11.999	2.988	2.93		Clay	97.5			11.22	1.05	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	11.657	0.339	2886.3	1750.9	11.667	3.319	2.97		Clay	100.0			11.02	1.05	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	11.243	0.339	2906.8	1761.2	11.117	3.463	3.00		Clay	100.0			10.63	1.05	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	10.878	0.335	2927.3	1771.5	10.629	3.558	3.02		Clay	100.0			10.28	1.05	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	10.671	0.317	2947.8	1781.7	10.324	3.447	3.02		Clay	100.0			10.09	1.05	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	10.593	0.304	2968.3	1792.0	10.166	3.337	3.02		Clay	100.0			10.01	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	10.815	0.291	2988.8	1802.3	10.343	3.122	2.99		Clay	100.0			10.22	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	10.844	0.297	3009.3	1812.5	10.305	3.180	3.00		Clay	100.0			10.25	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	10.444	0.290	3029.8	1822.8	9.797	3.248	3.02		Clay	100.0			9.87	1.04	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	10.002	0.248	3050.3	1833.1	9.249	2.926	3.02		Clay	100.0			9.45	1.04	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	9.833	0.233	3070.8	1843.3	9.003	2.808	3.02		Clay	100.0			9.29	1.04	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	10.762	0.266	3091.3	1853.6	9.944	2.886	2.99		Clay	100.0			10.17	1.04	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	12.969	0.299	3111.8	1863.9	12.247	2.620	2.89		Clay	94.3			12.26	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	15.243	0.403	3132.3	1874.1	14.595	2.947	2.86		Clay	91.7			14.41	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	16.820	0.436	3152.9	1884.5	16.178	2.860	2.81		Clay	88.2			15.90	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	16.949	0.414	3173.4	1894.7	16.216	2.695	2.80		Clay	86.9			16.02	1.03	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	16.274	0.386	3193.9	1905.0	15.409	2.630	2.81		Clay	87.8			15.38	1.03	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	14.636	0.335	3214.4	1915.3	13.605	2.571	2.85		Clay	90.9			13.83	1.03	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	12.998	0.286	3234.9	1925.5	11.821	2.513	2.89		Clay	94.5			12.29	1.03	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	12.504	0.237	3255.4	1935.8	11.237	2.179	2.88		Clay	93.2			11.82	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	13.328	0.236	3275.9	1946.1	12.014	2.019	2.84		Clay	89.8			12.60	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	14.260	0.266	3296.4	1956.3	12.893	2.109	2.82		Clay	88.6			13.48	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	14.581	0.297	3316.9	1966.6	13.142	2.298	2.83		Clay	89.7			13.78	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	14.326	0.330	3337.4	1976.9	12.805	2.607	2.87		Clay	92.9			13.54	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	13.976	0.342	3357.9	1987.1	12.377	2.781	2.90		Clay	95.2			13.21	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.231	13.658	0.382	3378.4	1997.4	11.984	3.192	2.95		Clay	98.8			12.91	1.02	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	13.437	0.402	3398.9	2007.7	11.693	3.425	2.97		Clay	100.0			12.70	1.01	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	13.233	0.359	3419.4	2017.9	11.421	3.115	2.96		Clay	99.7			12.51	1.01	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	12.727	0.346	3439.9	2028.2	10.854	3.143	2.98		Clay	100.0			12.03	1.01	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	12.304	0.348	3460.4	2038.5	10.374	3.291	3.01		Clay	100.0			11.63	1.01	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	11.811	0.349	3480.9	2048.7	9.831	3.466	3.04		Clay	100.0			11.16	1.01	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	11.604	0.335	3501.4	2059.0	9.571	3.400	3.04		Clay	100.0			10.97	1.01	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	11.387	0.278	3521.9	2069.3	9.304	2.888	3.01		Clay	100.0			10.76	1.01	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	11.381	0.260	3542.4	2079.5	9.242	2.706	3.00		Clay	100.0			10.76	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	11.474	0.265	3562.9	2089.8	9.276	2.734	3.00		Clay	100.0			10.84	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	11.437	0.270	3583.4	2100.1	9.186	2.799	3.01		Clay	100.0			10.81	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	11.295	0.296	3603.9	2110.3	8.997	3.118	3.04		Clay	100.0			10.68	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	11.163	0.284	3624.4	2120.6	8.819	3.037	3.04		Clay	100.0			10.55	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	11.208	0.291	3645.0	2130.9	8.809	3.101	3.05		Clay	100.0			10.59	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	11.295	0.295	3665.5	2141.2	8.838	3.118	3.05		Clay	100.0			10.68	1.00	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	11.447	0.295	3686.0	2151.5	8.928	3.072	3.04		Clay	100.0			10.82	1.00	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	11.628	0.281	3706.5	2161.7	9.043	2.875	3.02		Clay	100.0			10.99	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	12.283	0.267	3727.0	2172.0	9.594	2.563	2.97		Clay	100.0			11.61	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	12.549	0.265	3747.5	2182.3	9.784	2.482	2.96		Clay	99.7			11.86	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	12.644	0.262	3768.0	2192.5	9.815	2.435	2.95		Clay	99.3			11.95	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	12.149	0.263	3788.5	2202.8	9.311	2.565	2.98		Clay	100.0			11.48	0.99	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	12.002	0.264	3809.0	2213.1	9.125	2.615	3.00		Clay	100.0			11.34	0.99	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	11.999	0.282	3829.5	2223.3	9.071	2.796	3.01		Clay	100.0			11.34	0.99	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	12.117	0.303	3850.0	2233.6	9.126	2.973	3.03		Clay	100.0			11.45	0.99	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	12.153	0.327	3870.5	2243.9	9.107	3.200	3.05		Clay	100.0			11.49	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	12.120	0.350	3891.0	2254.1	9.027	3.440	3.07		Clay	100.0			11.46	0.98	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	12.019	0.348	3911.5	2264.4	8.888	3.458	3.07		Clay	100.0			11.36	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	11.916	0.335	3932.0	2274.7	8.749	3.367	3.07		Clay	100.0			11.26	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	14.208	0.337	3952.5	2284.9	10.706	2.755	2.95		Clay	99.1			13.43	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	15.283	0.339	3973.0	2295.2	11.586	2.550	2.90		Clay	95.3			14.45	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	15.861	0.367	3993.5	2305.5	12.027	2.647	2.90		Clay	95.0			14.99	0.98	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	13.902	0.382	4014.0	2315.7	10.273	3.211	3.00		Clay	100.0			13.14	0.98	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	12.988	0.368	4034.5	2326.0	9.433	3.354	3.05		Clay	100.0			12.28	0.98	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	12.604	0.371	4055.0	2336.3	9.054	3.508	3.07		Clay	100.0			11.91	0.97	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	12.415	0.373	4075.5	2346.5	8.845	3.594	3.09		Clay	100.0			11.73	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	12.478	0.389	4096.0	2356.8	8.851	3.730	3.09		Clay	100.0			11.79	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	12.500	0.419	4116.5	2367.1	8.823	4.013	3.11		Clay	100.0			11.81	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_σ)	Interpreted q_{cN}	C_N	q_{c1N}	$q_{c1N\text{-}CS}$	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
33.301	12.591	0.410	4137.1	2377.4	8.852	3.896	3.11		Clay	100.0			11.90	0.97	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	12.655	0.414	4157.6	2387.6	8.859	3.914	3.11		Clay	100.0			11.96	0.97	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	14.110	0.421	4178.1	2397.9	10.026	3.502	3.03		Clay	100.0			13.34	0.97	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	16.456	0.427	4198.6	2408.2	11.923	2.974	2.93		Clay	97.6			15.55	0.97	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	17.065	0.416	4219.1	2418.4	12.368	2.782	2.90		Clay	95.2			16.13	0.97	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.121	15.544	0.344	4239.6	2428.7	11.055	2.563	2.92		Clay	96.8			14.69	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.285	13.056	0.322	4260.1	2439.0	8.959	2.947	3.03		Clay	100.0			12.34	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.449	12.798	0.292	4280.6	2449.2	8.703	2.740	3.03		Clay	100.0			12.10	0.96	n.a.	n.a.	0.86	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.613	13.835	0.263	4301.1	2459.5	9.501	2.251	2.95		Clay	98.7			13.08	0.96	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	16.304	0.262	4321.6	2469.8	11.453	1.852	2.83		Clay	89.7			15.41	0.96	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	19.085	0.279	4342.1	2480.0	13.640	1.650	2.74		Clay	82.4			18.04	0.96	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	23.042	0.297	4362.6	2490.3	16.753	1.424	2.63		Clay	73.6			21.78	0.96	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	25.043	0.363	4383.1	2500.6	18.277	1.589	2.63		Clay	73.1			23.67	0.96	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	25.496	0.466	4403.6	2510.8	18.555	2.000	2.68		Clay	77.1			24.10	0.96	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	23.383	0.556	4424.1	2521.1	16.795	2.626	2.78		Clay	85.4			22.10	0.95	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	21.390	0.646	4444.6	2531.4	15.144	3.370	2.88		Clay	93.4			20.22	0.95	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	20.621	0.570	4465.1	2541.6	14.470	3.100	2.87		Clay	93.0			19.49	0.95	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	20.026	0.445	4485.6	2551.9	13.937	2.502	2.83		Clay	89.7			18.93	0.95	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	18.205	0.369	4506.1	2562.2	12.452	2.313	2.85		Clay	91.4			17.21	0.95	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	15.658	0.344	4526.6	2572.4	10.414	2.568	2.94		Clay	98.6			14.80	0.95	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	12.273	0.310	4547.1	2582.7	7.743	3.100	3.10		Clay	100.0			11.60	0.95	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	10.556	0.238	4567.6	2593.0	6.380	2.877	3.15		Clay	100.0			9.98	0.95	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	9.099	0.194	4588.1	2603.2	5.228	2.851	3.22		Clay	100.0			8.60	0.95	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	9.302	0.169	4608.6	2613.5	5.355	2.415	3.18		Clay	100.0			8.79	0.95	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	9.388	0.163	4629.3	2623.8	5.392	2.304	3.16		Clay	100.0			8.87	0.94	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	9.307	0.175	4649.8	2634.1	5.301	2.506	3.19		Clay	100.0			8.80	0.94	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	9.067	0.176	4670.3	2644.4	5.091	2.614	3.21		Clay	100.0			8.57	0.94	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	9.428	0.176	4690.8	2654.6	5.336	2.485	3.18		Clay	100.0			8.91	0.94	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	10.489	0.218	4711.3	2664.9	6.104	2.680	3.15		Clay	100.0			9.91	0.94	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	14.100	0.260	4731.8	2675.2	8.773	2.216	2.97		Clay	100.0			13.33	0.94	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.222	18.278	0.364	4752.3	2685.4	11.843	2.289	2.87		Clay	92.6			17.28	0.94	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	22.563	0.651	4772.8	2695.7	14.969	3.227	2.87		Clay	92.8			21.33	0.94	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	24.560	0.782	4793.3	2706.0	16.381	3.528	2.87		Clay	92.3			23.21	0.94	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	25.705	0.935	4813.8	2716.2	17.155	4.013	2.88		Clay	93.8			24.30	0.94	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	26.040	1.036	4834.3	2726.5	17.328	4.386	2.91		Clay	95.5			24.61	0.94	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	26.221	1.126	4854.8	2736.8	17.388	4.732	2.93		Clay	97.1			24.78	0.93	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	26.257	1.099	4875.3	2747.0	17.342	4.614	2.92		Clay	96.6			24.82	0.93	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	26.538	1.112	4895.8	2757.3	17.474	4.616	2.92		Clay	96.4			25.08	0.93	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	26.893	1.050	4916.3	2767.6	17.658	4.297	2.89		Clay	94.5			25.42	0.93	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	27.639	0.946	4936.8	2777.8	18.122	3.758	2.85		Clay	90.9			26.12	0.93	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	28.080	0.840	4957.3	2788.1	18.365	3.281	2.81		Clay	87.6			26.54	0.93	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	28.902	0.813	4977.8	2798.4	18.878	3.078	2.78		Clay	85.5			27.32	0.93	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	29.336	0.848	4998.3	2808.6	19.110	3.160	2.78		Clay	85.7			27.73	0.93	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	30.188	0.882	5018.8	2818.9	19.638	3.187	2.78		Clay	85.1			28.53	0.93	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	30.658	1.027	5039.3	2829.2	19.892	3.650	2.81		Clay	87.7			28.98	0.93	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	31.556	1.178	5059.8	2839.4	20.445	4.058	2.83		Clay	89.4			29.83	0.93	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	32.451	1.243	5080.3	2849.7	20.992	4.156	2.83		Clay	89.2			30.67	0.92	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	32.587	1.421	5100.8	2860.0	21.005	4.731	2.86		Clay	92.1			30.80	0.92	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	32.185	1.607	5121.4	2870.3	20.642	5.425	2.91		Clay	95.8			30.42	0.92	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	29.918	1.663	5141.9	2880.6	18.987	6.081	2.97		Clay	100.0			28.28	0.92	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	26.151	1.667	5162.4	2890.8	16.307	7.073	3.06		Clay	100.0			24.72	0.92	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	21.982	1.101	5182.9	2901.1	13.368	5.678	3.06		Clay	100.0			20.78	0.92	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	19.345	1.059	5203.4	2911.4	11.502	6.325	3.14		Clay	100.0			18.28	0.92	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	18.722	0.916	5223.9	2921.6	11.028	5.686	3.13		Clay	100.0			17.70	0.92	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	17.946	0.859	5244.4	2931.9	10.453	5.606	3.14		Clay	100.0			16.96	0.92	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	17.188	0.785	5264.9	2942.2	9.894	5.393	3.15		Clay	100.0			16.25	0.92	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	15.910	0.658	5285.4	2952.4	8.987	4.960	3.16		Clay	100.0			15.04	0.92	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	14.766	0.552	5305.9	2962.7	8.177	4.557	3.17		Clay	100.0			13.96	0.92	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	14.207	0.507	5326.4	2973.0	7.766	4.392	3.18		Clay	100.0			13.43	0.91	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	14.778	0.511	5346.9	2983.2	8.115	4.222	3.16		Clay	100.0			13.97	0.91	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	17.352	0.514	5367.4	2993.5	9.800	3.504	3.04		Clay	100.0			16.40	0.91	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	21.943	0.640	5387.9	3003.8	12.817	3.325	2.93		Clay	97.8			20.74	0.91	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	27.716	0.878	5408.4	3014.0	16.597	3.510	2.86		Clay	91.8			26.20	0.91	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.635	30.485	1.004	5428.9	3024.3	18.365	3.615	2.83		Clay	89.7			28.81	0.91	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	29.574	0.987	5449.4	3034.6	17.696	3.676	2.85		Clay	91.0			27.95	0.91	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	24.908	1.103	5469.9	3044.8	14.564	4.975	3.00		Clay	100.0			23.54	0.91	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	21.002	1.005	5490.4	3055.1	11.952	5.505	3.09		Clay	100.0			19.85	0.91	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
44.291	17.301	0.814	5510.9	3065.4	9.490	5.596	3.18		Clay	100.0			16.35	0.91	n.a.	n.a.	0.81	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.455	14.866	0.528	5531.4	3075.6	7.869	4.364	3.18		Clay	100.0			14.05	0.91	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.619	12.774	0.374	5551.9	3085.9	6.480	3.741	3.21		Clay	100.0			12.07	0.91	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	11.686	0.402	5572.4	3096.2	5.749	4.517	3.30		Clay	100.0			11.05	0.90	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	11.414	0.429	5593.0	3106.5	5.548	4.978	3.33		Clay	100.0			10.79	0.90	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	13.368	0.365	5613.5	3116.8	6.777	3.456	3.17		Clay	100.0			12.64	0.90	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	14.680	0.364	5634.0	3127.0	7.587	3.068	3.10		Clay	100.0			13.88	0.90	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	16.530	0.363	5654.5	3137.3	8.735	2.649	3.02		Clay	100.0			15.62	0.90	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	17.356	0.364	5675.0	3147.6	9.225	2.507	2.98		Clay	100.0			16.40	0.90	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	18.675	0.376	5695.5	3157.8	10.024	2.376	2.94		Clay	98.2			17.65	0.90	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.932	19.641	0.388	5716.0	3168.1	10.595	2.312	2.91		Clay	96.1			18.56	0.90	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.096	19.563	0.380	5736.5	3178.3	10.505	2.276	2.91		Clay	96.0			18.49	0.90	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.260	20.185	0.359	5757.0	3188.6	10.855	2.074	2.88		Clay	93.3			19.08	0.90	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.424	19.745	0.376	5777.5	3198.9	10.539	2.231	2.91		Clay	95.5			18.66	0.90	n.a.	n.a.	0.79	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.588	18.789	0.359	5798.0	3209.1	9.903	2.259	2.93		Clay	97.6			17.76	0.90	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.752	17.149	0.395	5818.5	3219.4	8.846	2.774	3.02		Clay	100.0			16.21	0.90	n.a.	n.a.	0.79	0.709	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.916	16.210	0.353	5839.0	3229.7	8.230	2.656	3.04		Clay	100.0			15.32	0.89	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.080	15.786	0.323	5859.5	3239.9	7.936	2.512	3.04		Clay	100.0			14.92	0.89	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.244	15.211	0.329	5880.0	3250.2	7.551	2.681	3.07		Clay	100.0			14.38	0.89	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.408	14.797	0.336	5900.5	3260.5	7.267	2.836	3.10		Clay	100.0			13.99	0.89	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	14.587	0.357	5921.0	3270.7	7.109	3.071	3.13		Clay	100.0			13.79	0.89	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	15.041	0.381	5941.5	3281.0	7.358	3.157	3.12		Clay	100.0			14.22	0.89	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	15.551	0.422	5962.0	3291.3	7.638	3.357	3.12		Clay	100.0			14.70	0.89	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	15.996	0.468	5982.5	3301.5	7.878	3.599	3.13		Clay	100.0			15.12	0.89	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	15.913	0.508	6003.0	3311.8	7.797	3.934	3.15		Clay	100.0			15.04	0.89	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	15.639	0.464	6023.5	3322.1	7.602	3.675	3.14		Clay	100.0			14.78	0.89	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	15.234	0.412	6044.0	3332.3	7.329	3.374	3.14		Clay	100.0			14.40	0.89	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	14.910	0.402	6064.5	3342.6	7.107	3.384	3.15		Clay	100.0			14.09	0.89	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	14.711	0.410	6085.1	3352.9	6.960	3.514	3.17		Clay	100.0			13.90	0.89	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	14.709	0.418	6105.6	3363.2	6.932	3.586	3.17		Clay	100.0			13.90	0.88	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.213	14.776	0.416	6126.1	3373.5	6.944	3.552	3.17		Clay	100.0			13.97	0.88	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	14.636	0.417	6146.6	3383.7	6.834	3.606	3.18		Clay	100.0			13.83	0.88	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	14.516	0.388	6167.1	3394.0	6.737	3.394	3.17		Clay	100.0			13.72	0.88	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	14.487	0.407	6187.6	3404.3	6.693	3.572	3.18		Clay	100.0			13.69	0.88	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	14.690	0.425	6208.1	3414.5	6.786	3.668	3.19		Clay	100.0			13.88	0.88	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	15.395	0.430	6228.6	3424.8	7.172	3.501	3.15		Clay	100.0			14.55	0.88	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.197	15.990	0.406	6249.1	3435.1	7.491	3.156	3.11		Clay	100.0			15.11	0.88	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.361	16.457	0.402	6269.6	3445.3	7.733	3.018	3.09		Clay	100.0			15.55	0.88	n.a.	n.a.	0.77	0.696	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.525	16.505	0.406	6290.1	3455.6	7.732	3.039	3.09		Clay	100.0			15.60	0.88	n.a.	n.a.	0.77	0.696	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.689	16.574	0.408	6310.6	3465.9	7.743	3.041	3.09		Clay	100.0			15.67	0.88	n.a.	n.a.	0.77	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.853	16.919	0.411	6331.1	3476.1	7.913	2.988	3.08		Clay	100.0			15.99	0.88	n.a.	n.a.	0.77	0.695	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.017	17.513	0.443	6351.6	3486.4	8.225	3.090	3.07		Clay	100.0			16.55	0.88	n.a.	n.a.	0.77	0.694	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.181	18.386	0.454	6372.1	3496.7	8.694	2.987	3.05		Clay	100.0			17.38	0.88	n.a.	n.a.	0.77	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.345	19.153	0.477	6392.6	3506.9	9.100	2.989	3.03		Clay	100.0			18.10	0.88	n.a.	n.a.	0.77	0.693	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.509	19.871	0.523	6413.1	3517.2	9.476	3.138	3.03		Clay	100.0			18.78	0.87	n.a.	n.a.	0.77	0.692	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.673	20.009	0.621	6433.6	3527.5	9.521	3.698	3.07		Clay	100.0			18.91	0.87	n.a.	n.a.	0.77	0.692	n.a.	n.a.	n.a.	n.a.	0.00	0.00
51.837	19.831	0.645	6454.1	3537.7	9.387	3.885	3.08		Clay	100.0			18.74	0.87	n.a.	n.a.	0.77	0.691	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.001	19.144	0.587	6474.6	3548.0	8.967	3.690	3.09		Clay	100.0			18.09	0.87	n.a.	n.a.	0.76	0.690	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.165	18.235	0.503	6495.1	3558.3	8.424	3.356	3.09		Clay	100.0			17.24	0.87	n.a.	n.a.	0.76	0.690	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.329	17.203	0.401	6515.6	3568.5	7.816	2.876	3.08		Clay	100.0			16.26	0.87	n.a.	n.a.	0.76	0.689	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.493	15.959	0.378	6536.1	3578.8	7.092	2.979	3.12		Clay	100.0			15.08	0.87	n.a.	n.a.	0.76	0.689	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.657	15.209	0.346	6556.6	3589.1	6.648	2.900	3.14		Clay	100.0			14.38	0.87	n.a.	n.a.	0.76	0.688	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.822	14.756	0.332	6577.3	3599.4	6.372	2.895	3.15		Clay	100.0			13.95	0.87	n.a.	n.a.	0.76	0.687	n.a.	n.a.	n.a.	n.a.	0.00	0.00
52.986	14.707	0.317	6597.8	3609.7	6.321	2.779	3.15		Clay	100.0			13.90	0.87	n.a.	n.a.	0.76	0.687	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.150	14.781	0.292	6618.3	3619.9	6.338	2.545	3.12		Clay	100.0			13.97	0.87	n.a.	n.a.	0.76	0.686	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.314	15.117	0.290	6638.8	3630.2	6.500	2.458	3.11		Clay	100.0			14.29	0.87	n.a.	n.a.	0.76	0.686	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.478	15.949	0.300	6659.3	3640.5	6.933	2.377	3.08		Clay	100.0			15.07	0.87	n.a.	n.a.	0.76	0.685	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.642	16.852	0.309	6679.8	3650.7	7.402	2.287	3.04		Clay	100.0			15.93	0.87	n.a.	n.a.	0.76	0.684	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.806	18.129	0.352	6700.3	3661.0	8.074	2.382	3.02		Clay	100.0			17.14	0.87	n.a.	n.a.	0.76	0.684	n.a.	n.a.	n.a.	n.a.	0.00	0.00
53.970	18.536	0.373	6720.8	3671.3	8.267	2.458	3.02		Clay	100.0			17.52	0.86	n.a.	n.a.	0.75	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.134	18.753	0.370	6741.3	3681.5	8.357	2.405	3.01		Clay	100.0			17.72	0.86	n.a.	n.a.	0.75	0.683	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.298	19.546	0.444	6761.8	3691.8	8.757	2.747	3.02		Clay	100.0			18.47	0.86	n.a.	n.a.	0.75	0.682	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.462	26.090	0.518	6782.3	3702.1	12.263	2.282	2.86		Clay	91.6			24.66	0.86	n.a.	n.a.	0.75	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.626	44.224	0.984	6802.8	3712.3	21.993	2.410	2.66		Clay	76.1			41.80	0.86	n.a.	n.a.	0.75	0.681	n.a.	n.a.	n.a.	n.a.	0.00	0.00
54.790	66.830	1.555	6823.3	3722.6	45.192	2.452	2.43		Sand	57.1	76.14	1.8	137.05	0.83	113.12	192.41	0.75	0.680	0.864	1.264	2.402	3.53	0.00	0.00
54.954	80.552	1.559	6843.8	3732.9	54.888	2.021	2.31		Sand	47.6		1.8	137.04	0.82	112.52	186.95	0.75	0.680	0.871	0.976	1.870	2.75	0.00	0.00
55.118	74.962	1.798	6864.3	3743.1	50.833	2.514	2.40		Sand	54.6	76.14	1.8	137.05	0.82	112.77	190.91	0.75	0.679	0.865	1.175	2.235	3.29	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. K-3

PGA (A_{max}) 0.76

Total Settlement: 3.88 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{tl})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	CRR$_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
55.282	59.184	1.645	6884.8	3753.4	29.702	2.951	2.62		Clay	72.3			55.94	0.86	n.a.	n.a.	0.75	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.446	43.088	1.129	6905.3	3763.7	21.062	2.848	2.72		Clay	80.8			40.73	0.86	n.a.	n.a.	0.75	0.678	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.610	30.216	0.741	6925.8	3773.9	14.178	2.770	2.85		Clay	91.2			28.56	0.86	n.a.	n.a.	0.75	0.677	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.774	21.693	0.584	6946.3	3784.2	9.629	3.205	3.03		Clay	100.0			20.50	0.86	n.a.	n.a.	0.74	0.677	n.a.	n.a.	n.a.	n.a.	0.00	0.00
55.938	17.738	0.495	6966.8	3794.5	7.513	3.473	3.14		Clay	100.0			16.77	0.86	n.a.	n.a.	0.74	0.676	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.102	18.993	0.406	6987.3	3804.7	8.147	2.619	3.04		Clay	100.0			17.95	0.86	n.a.	n.a.	0.74	0.675	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.266	20.840	0.422	7007.8	3815.0	9.088	2.434	2.98		Clay	100.0			19.70	0.86	n.a.	n.a.	0.74	0.675	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.430	21.959	0.438	7028.3	3825.3	9.644	2.375	2.95		Clay	99.3			20.76	0.86	n.a.	n.a.	0.74	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.594	22.458	0.472	7048.8	3835.5	9.873	2.493	2.96		Clay	99.5			21.23	0.85	n.a.	n.a.	0.74	0.674	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.759	22.593	0.527	7069.4	3845.9	9.911	2.765	2.98		Clay	100.0			21.35	0.85	n.a.	n.a.	0.74	0.673	n.a.	n.a.	n.a.	n.a.	0.00	0.00
56.923	22.700	0.561	7089.9	3856.1	9.935	2.929	2.99		Clay	100.0			21.46	0.85	n.a.	n.a.	0.74	0.672	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.087	22.781	0.588	7110.4	3866.4	9.945	3.058	3.00		Clay	100.0			21.53	0.85	n.a.	n.a.	0.74	0.672	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.251	22.822	0.580	7130.9	3876.7	9.935	3.012	3.00		Clay	100.0			21.57	0.85	n.a.	n.a.	0.74	0.671	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.415	22.873	0.580	7151.4	3886.9	9.929	3.006	3.00		Clay	100.0			21.62	0.85	n.a.	n.a.	0.74	0.670	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.579	23.099	0.580	7171.9	3897.2	10.014	2.972	2.99		Clay	100.0			21.83	0.85	n.a.	n.a.	0.74	0.670	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.743	23.615	0.586	7192.4	3907.5	10.246	2.927	2.98		Clay	100.0			22.32	0.85	n.a.	n.a.	0.73	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
57.907	24.502	0.588	7212.9	3917.7	10.667	2.814	2.96		Clay	99.6			23.16	0.85	n.a.	n.a.	0.73	0.669	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.071	25.388	0.591	7233.4	3928.0	11.085	2.715	2.94		Clay	97.8			24.00	0.85	n.a.	n.a.	0.73	0.668	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.235	25.616	0.561	7253.9	3938.3	11.167	2.551	2.92		Clay	96.4			24.21	0.85	n.a.	n.a.	0.73	0.667	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.399	25.027	0.535	7274.4	3948.5	10.834	2.501	2.92		Clay	96.9			23.66	0.85	n.a.	n.a.	0.73	0.667	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.563	24.195	0.481	7294.9	3958.8	10.381	2.341	2.92		Clay	96.9			22.87	0.85	n.a.	n.a.	0.73	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.727	23.674	0.435	7315.4	3969.1	10.086	2.173	2.92		Clay	96.3			22.38	0.85	n.a.	n.a.	0.73	0.666	n.a.	n.a.	n.a.	n.a.	0.00	0.00
58.891	23.530	0.440	7335.9	3979.3	9.983	2.215	2.92		Clay	97.0			22.24	0.85	n.a.	n.a.	0.73	0.665	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.055	23.493	0.441	7356.4	3989.6	9.933	2.226	2.93		Clay	97.2			22.21	0.85	n.a.	n.a.	0.73	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.219	24.200	0.441	7376.9	3999.8	10.256	2.150	2.91		Clay	95.6			22.87	0.85	n.a.	n.a.	0.73	0.664	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.383	23.893	0.453	7397.4	4010.1	10.072	2.243	2.92		Clay	97.0			22.58	0.84	n.a.	n.a.	0.73	0.663	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.547	22.238	0.464	7417.9	4020.4	9.218	2.504	2.98		Clay	100.0			21.02	0.84	n.a.	n.a.	0.73	0.663	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.711	19.358	0.476	7438.4	4030.6	7.760	3.044	3.09		Clay	100.0			18.30	0.84	n.a.	n.a.	0.73	0.662	n.a.	n.a.	n.a.	n.a.	0.00	0.00
59.875	18.796	0.465	7458.9	4040.9	7.457	3.086	3.11		Clay	100.0			17.77	0.84	n.a.	n.a.	0.72	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.039	20.618	0.491	7479.4	4051.2	8.333	2.909	3.06		Clay	100.0			19.49	0.84	n.a.	n.a.	0.72	0.661	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.203	22.921	0.516	7499.9	4061.4	9.441	2.692	2.99		Clay	100.0			21.66	0.84	n.a.	n.a.	0.72	0.660	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.367	23.944	0.597	7520.4	4071.7	9.914	2.958	3.00		Clay	100.0			22.63	0.84	n.a.	n.a.	0.72	0.660	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.531	23.535	0.501	7540.9	4082.0	9.684	2.535	2.97		Clay	100.0			22.24	0.84	n.a.	n.a.	0.72	0.659	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.696	23.334	0.452	7561.5	4092.3	9.556	2.312	2.95		Clay	99.1			22.05	0.84	n.a.	n.a.	0.72	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
60.860	22.443	0.421	7582.0	4102.6	9.093	2.257	2.96		Clay	100.0			21.21	0.84	n.a.	n.a.	0.72	0.658	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.024	21.821	0.419	7602.5	4112.8	8.763	2.325	2.98		Clay	100.0			20.62	0.84	n.a.	n.a.	0.72	0.657	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.188	21.155	0.432	7623.0	4123.1	8.413	2.491	3.01		Clay	100.0			20.00	0.84	n.a.	n.a.	0.72	0.657	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.352	21.278	0.445	7643.5	4133.4	8.446	2.549	3.02		Clay	100.0			20.11	0.84	n.a.	n.a.	0.72	0.656	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.516	21.948	0.465	7664.0	4143.6	8.744	2.567	3.01		Clay	100.0			20.74	0.84	n.a.	n.a.	0.72	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.680	22.568	0.474	7684.5	4153.9	9.016	2.531	2.99		Clay	100.0			21.33	0.84	n.a.	n.a.	0.72	0.655	n.a.	n.a.	n.a.	n.a.	0.00	0.00
61.844	23.536	0.483	7705.0	4164.2	9.454	2.454	2.97		Clay	100.0			22.25	0.84	n.a.	n.a.	0.71	0.654	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.008	24.399	0.534	7725.5	4174.4	9.839	2.600	2.97		Clay	100.0			23.06	0.84	n.a.	n.a.	0.71	0.654	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.172	25.632	0.588	7746.0	4184.7	10.399	2.702	2.96		Clay	99.6			24.23	0.84	n.a.	n.a.	0.71	0.653	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.336	26.131	0.609	7766.5	4195.0	10.607	2.737	2.95		Clay	99.3			24.70	0.83	n.a.	n.a.	0.71	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.500	26.104	0.654	7787.0	4205.2	10.563	2.945	2.97		Clay	100.0			24.67	0.83	n.a.	n.a.	0.71	0.652	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.664	25.693	0.648	7807.5	4215.5	10.338	2.974	2.98		Clay	100.0			24.28	0.83	n.a.	n.a.	0.71	0.651	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.828	25.852	0.641	7828.0	4225.8	10.383	2.922	2.98		Clay	100.0			24.43	0.83	n.a.	n.a.	0.71	0.651	n.a.	n.a.	n.a.	n.a.	0.00	0.00
62.992	26.367	0.645	7848.5	4236.0	10.596	2.874	2.97		Clay	100.0			24.92	0.83	n.a.	n.a.	0.71	0.650	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.156	27.238	0.648	7869.0	4246.3	10.976	2.781	2.94		Clay	98.6			25.74	0.83	n.a.	n.a.	0.71	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.320	28.182	0.720	7889.5	4256.6	11.388	2.971	2.95		Clay	98.8			26.64	0.83	n.a.	n.a.	0.71	0.649	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.484	27.807	0.724	7910.0	4266.8	11.180	3.035	2.96		Clay	99.8			26.28	0.83	n.a.	n.a.	0.71	0.648	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.648	26.805	0.677	7930.5	4277.1	10.680	2.964	2.97		Clay	100.0			25.34	0.83	n.a.	n.a.	0.71	0.648	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.812	25.344	0.629	7951.0	4287.4	9.968	2.944	2.99		Clay	100.0			23.95	0.83	n.a.	n.a.	0.71	0.647	n.a.	n.a.	n.a.	n.a.	0.00	0.00
63.976	24.631	0.612	7971.5	4297.6	9.608	2.964	3.01		Clay	100.0			23.28	0.83	n.a.	n.a.	0.70	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.140	24.207	0.601	7992.0	4307.9	9.383	2.974	3.02		Clay	100.0			22.88	0.83	n.a.	n.a.	0.70	0.646	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.304	23.419	0.578	8012.5	4318.2	8.991	2.977	3.03		Clay	100.0			22.14	0.83	n.a.	n.a.	0.70	0.645	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.469	22.858	0.564	8033.1	4328.5	8.706	2.993	3.05		Clay	100.0			21.60	0.83	n.a.	n.a.	0.70	0.645	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.633	22.142	0.558	8053.6	4338.8	8.350	3.080	3.07		Clay	100.0			20.93	0.83	n.a.	n.a.	0.70	0.644	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.797	21.819	0.520	8074.1	4349.0	8.177	2.924	3.06		Clay	100.0			20.62	0.83	n.a.	n.a.	0.70	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
64.961	22.617	0.531	8094.6	4359.3	8.520	2.859	3.04		Clay	100.0			21.38	0.83	n.a.	n.a.	0.70	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.125	24.581	0.542	8115.1	4369.6	9.394	2.641	2.99		Clay	100.0			23.23	0.83	n.a.	n.a.	0.70	0.642	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.289	25.696	0.593	8135.6	4379.8	9.876	2.742	2.98		Clay	100.0			24.29	0.83	n.a.	n.a.	0.70	0.642	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.453	24.849	0.579	8156.1	4390.1	9.463	2.788	3.00		Clay	100.0			23.49	0.82	n.a.	n.a.	0.70	0.641	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.617	22.642	0.546	8176.6	4400.4	8.433	2.943	3.05		Clay	100.0			21.40	0.82	n.a.	n.a.	0.70	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.781	21.485	0.473	8197.1	4410.6	7.884	2.721	3.06		Clay	100.0			20.31	0.82	n.a.	n.a.	0.70	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
65.945	21.328	0.424	8217.6	4420.9	7.790	2.462	3.04		Clay	100.0			20.16	0.82	n.a.	n.a.	0.70	0.639	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.109	21.647	0.395	8238.1	4431.2	7.911	2.254	3.01		Clay	100.0			20.46	0.82	n.a.	n.a.	0.69	0.639	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. K-3

PGA (A_{max}) 0.76

Total Settlement: 3.88 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
66.273	21.667	0.397	8258.6	4441.4	7.897	2.264	3.02		Clay	100.0			20.48	0.82	n.a.	n.a.	0.69	0.638	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.437	21.566	0.398	8279.1	4451.7	7.829	2.284	3.02		Clay	100.0			20.38	0.82	n.a.	n.a.	0.69	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.601	21.216	0.398	8299.6	4462.0	7.650	2.332	3.03		Clay	100.0			20.05	0.82	n.a.	n.a.	0.69	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.765	21.054	0.404	8320.1	4472.2	7.555	2.391	3.05		Clay	100.0			19.90	0.82	n.a.	n.a.	0.69	0.636	n.a.	n.a.	n.a.	n.a.	0.00	0.00
66.929	20.931	0.410	8340.6	4482.5	7.478	2.446	3.05		Clay	100.0			19.78	0.82	n.a.	n.a.	0.69	0.636	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.093	20.935	0.399	8361.1	4492.8	7.458	2.381	3.05		Clay	100.0			19.79	0.82	n.a.	n.a.	0.69	0.635	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.257	20.657	0.400	8381.6	4503.0	7.313	2.429	3.06		Clay	100.0			19.52	0.82	n.a.	n.a.	0.69	0.635	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.421	20.553	0.401	8402.1	4513.3	7.246	2.452	3.07		Clay	100.0			19.43	0.82	n.a.	n.a.	0.69	0.634	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.585	20.607	0.403	8422.6	4523.6	7.249	2.458	3.07		Clay	100.0			19.48	0.82	n.a.	n.a.	0.69	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.749	21.397	0.404	8443.1	4533.8	7.577	2.352	3.04		Clay	100.0			20.22	0.82	n.a.	n.a.	0.69	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
67.913	22.551	0.413	8463.6	4544.1	8.063	2.254	3.01		Clay	100.0			21.31	0.82	n.a.	n.a.	0.69	0.632	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.077	23.055	0.425	8484.1	4554.4	8.262	2.259	3.00		Clay	100.0			21.79	0.82	n.a.	n.a.	0.69	0.632	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.241	23.160	0.418	8504.6	4564.6	8.284	2.211	2.99		Clay	100.0			21.89	0.82	n.a.	n.a.	0.68	0.631	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.406	22.823	0.431	8525.3	4575.0	8.114	2.322	3.01		Clay	100.0			21.57	0.82	n.a.	n.a.	0.68	0.631	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.570	22.555	0.432	8545.8	4585.2	7.974	2.363	3.02		Clay	100.0			21.32	0.82	n.a.	n.a.	0.68	0.630	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.734	21.734	0.437	8566.3	4595.5	7.595	2.504	3.05		Clay	100.0			20.54	0.81	n.a.	n.a.	0.68	0.629	n.a.	n.a.	n.a.	n.a.	0.00	0.00
68.898	20.712	0.429	8586.8	4605.8	7.130	2.613	3.09		Clay	100.0			19.58	0.81	n.a.	n.a.	0.68	0.629	n.a.	n.a.	n.a.	n.a.	0.00	0.00
69.062	20.146	0.408	8607.3	4616.0	6.864	2.575	3.10		Clay	100.0			19.04	0.81	n.a.	n.a.	0.68	0.628	n.a.	n.a.	n.a.	n.a.	0.00	0.00
69.226	20.163	0.403	8627.8	4626.3	6.852	2.543	3.10		Clay	100.0			19.06	0.81	n.a.	n.a.	0.68	0.628	n.a.	n.a.	n.a.	n.a.	0.00	0.00
69.390	20.369	0.408	8648.3	4636.6	6.921	2.543	3.09		Clay	100.0			19.25	0.81	n.a.	n.a.	0.68	0.627	n.a.	n.a.	n.a.	n.a.	0.00	0.00
69.554	20.634	0.390	8668.8	4646.8	7.015	2.393	3.07		Clay	100.0			19.50	0.81	n.a.	n.a.	0.68	0.627	n.a.	n.a.	n.a.	n.a.	0.00	0.00
69.718	23.765	0.588	8689.3	4657.1	8.340	3.028	3.06		Clay	100.0			22.46	0.81	n.a.	n.a.	0.68	0.626	n.a.	n.a.	n.a.	n.a.	0.00	0.00
69.882	39.057	0.786	8709.8	4667.4	14.870	2.265	2.79		Clay	85.9			36.92	0.81	n.a.	n.a.	0.68	0.625	n.a.	n.a.	n.a.	n.a.	0.00	0.00
70.046	54.541	0.926	8730.3	4677.6	21.454	1.846	2.60		Clay	71.3			51.55	0.81	n.a.	n.a.	0.68	0.625	n.a.	n.a.	n.a.	n.a.	0.00	0.00
70.210	60.789	0.963	8750.8	4687.9	35.823	1.707	2.40		Sand	55.3			57.46	0.67	38.42	96.51	0.68	0.624	0.918	0.133	0.152	0.24	0.03	0.00
70.374	50.226	0.841	8771.3	4698.2	19.514	1.835	2.64		Clay	73.9			47.47	0.81	n.a.	n.a.	0.68	0.624	n.a.	n.a.	n.a.	n.a.	0.00	0.00
70.538	37.360	0.691	8791.8	4708.4	14.002	2.096	2.79		Clay	86.1			35.31	0.81	n.a.	n.a.	0.67	0.623	n.a.	n.a.	n.a.	n.a.	0.00	0.00
70.702	32.735	0.634	8812.3	4718.7	12.007	2.238	2.86		Clay	91.8			30.94	0.81	n.a.	n.a.	0.67	0.623	n.a.	n.a.	n.a.	n.a.	0.00	0.00
70.866	34.588	0.868	8832.8	4729.0	12.760	2.877	2.90		Clay	95.0			32.69	0.81	n.a.	n.a.	0.67	0.622	n.a.	n.a.	n.a.	n.a.	0.00	0.00
71.030	47.122	1.101	8853.3	4739.2	18.018	2.579	2.75		Clay	83.0			44.54	0.81	n.a.	n.a.	0.67	0.621	n.a.	n.a.	n.a.	n.a.	0.00	0.00
71.194	57.776	1.508	8873.8	4749.5	22.461	2.827	2.70		Clay	78.9			54.61	0.81	n.a.	n.a.	0.67	0.621	n.a.	n.a.	n.a.	n.a.	0.00	0.00
71.358	66.669	1.695	8894.3	4759.8	26.145	2.724	2.64		Clay	73.9			63.01	0.81	n.a.	n.a.	0.67	0.620	n.a.	n.a.	n.a.	n.a.	0.00	0.00
71.522	65.927	1.883	8914.8	4770.0	25.773	3.063	2.67		Clay	76.9			62.31	0.81	n.a.	n.a.	0.67	0.620	n.a.	n.a.	n.a.	n.a.	0.00	0.00
71.686	61.851	1.844	8935.3	4780.3	24.008	3.213	2.71		Clay	79.9			58.46	0.81	n.a.	n.a.	0.67	0.619	n.a.	n.a.	n.a.	n.a.	0.00	0.00
71.850	57.042	1.819	8955.8	4790.6	21.945	3.461	2.76		Clay	83.9			53.91	0.81	n.a.	n.a.	0.67	0.619	n.a.	n.a.	n.a.	n.a.	0.00	0.00
72.014	55.897	1.962	8976.3	4800.8	21.417	3.816	2.80		Clay	86.7			52.83	0.81	n.a.	n.a.	0.67	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
72.178	60.715	2.105	8996.8	4811.1	23.370	3.744	2.76		Clay	84.0			57.39	0.81	n.a.	n.a.	0.67	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
72.343	73.130	2.374	9017.4	4821.4	28.465	3.460	2.68		Clay	77.0			69.12	0.80	n.a.	n.a.	0.67	0.617	n.a.	n.a.	n.a.	n.a.	0.00	0.00
72.507	88.175	2.875	9037.9	4831.7	34.628	3.437	2.61		Clay	71.8			83.34	0.80	n.a.	n.a.	0.67	0.616	n.a.	n.a.	n.a.	n.a.	0.00	0.00
72.671	114.544	3.096	9058.4	4841.9	68.741	2.814	2.34		Sand	49.8			108.26	0.71	76.79	143.05	0.67	0.616	0.875	0.249	0.346	0.56	0.02	0.00
72.835	143.802	2.540	9078.9	4852.2	86.923	1.824	2.13		Sand	33.4			135.92	0.72	98.26	157.65	0.66	0.615	0.858	0.348	0.527	0.86	0.01	0.00
72.999	165.016	1.900	9099.4	4862.5	100.052	1.184	1.96		Sand	19.6			155.97	0.71	111.35	148.91	0.66	0.615	0.868	0.282	0.405	0.66	0.02	0.00
73.163	172.414	1.359	9119.9	4872.7	104.548	0.810	1.84		Sand	10.0			162.96	0.68	111.21	119.29	0.66	0.614	0.897	0.170	0.210	0.34	0.03	0.00
73.327	170.942	1.254	9140.4	4883.0	103.516	0.754	1.82		Sand	8.8			161.57	0.68	109.20	114.03	0.66	0.614	0.901	0.159	0.193	0.31	0.03	0.00
73.491	167.413	1.274	9160.9	4893.3	101.208	0.782	1.84		Sand	10.2			158.24	0.68	107.11	115.56	0.66	0.613	0.899	0.162	0.197	0.32	0.03	0.00
73.655	164.046	1.294	9181.4	4903.5	99.005	0.812	1.86		Sand	11.6			155.05	0.68	105.24	117.76	0.66	0.613	0.897	0.166	0.205	0.33	0.03	0.00
73.819	160.163	1.257	9201.9	4913.8	96.487	0.808	1.86		Sand	12.2			151.38	0.68	102.49	116.83	0.66	0.612	0.898	0.165	0.201	0.33	0.03	0.00
73.983	161.550	1.176	9222.4	4924.1	97.239	0.749	1.84		Sand	10.4			152.69	0.67	102.29	111.20	0.66	0.612	0.902	0.154	0.184	0.30	0.03	0.00
74.147	164.885	1.348	9242.9	4934.3	99.196	0.841	1.87		Sand	12.3			155.85	0.68	106.00	120.80	0.66	0.611	0.894	0.173	0.215	0.35	0.03	0.00
74.311	166.291	1.339	9263.4	4944.6	99.956	0.828	1.86		Sand	11.7			157.17	0.68	106.62	119.74	0.66	0.610	0.895	0.171	0.211	0.35	0.03	0.00
74.475	167.052	1.414	9283.9	4954.9	100.316	0.871	1.87		Sand	12.7			157.89	0.68	107.76	124.06	0.66	0.610	0.891	0.181	0.228	0.37	0.03	0.00
74.639	165.386	1.489	9304.4	4965.1	99.178	0.926	1.89		Sand	14.4			156.32	0.69	107.44	129.09	0.66	0.609	0.886	0.195	0.252	0.41	0.02	0.00
74.803	166.695	1.514	9324.9	4975.4	99.876	0.934	1.89		Sand	14.4			157.56	0.69	108.36	130.08	0.66	0.609	0.884	0.198	0.256	0.42	0.02	0.00
74.967	165.896	1.397	9345.4	4985.7	99.275	0.866	1.87		Sand	12.9			156.80	0.68	106.61	123.43	0.66	0.608	0.890	0.179	0.225	0.37	0.03	0.00
75.131	162.416	1.405	9365.9	4995.9	97.026	0.891	1.89		Sand	14.1			153.51	0.68	104.58	125.19	0.66	0.608	0.888	0.184	0.233	0.38	0.03	0.00
75.295	158.315	1.414	9386.4	5006.2	94.400	0.920	1.91		Sand	15.6			149.64	0.68	102.16	127.14	0.65	0.607	0.886	0.189	0.242	0.40	0.02	0.00
75.459	154.063	1.555	9406.9	5016.5	91.687	1.041	1.95		Sand	19.0			145.62	0.69	100.60	135.26	0.65	0.607	0.878	0.215	0.286	0.47	0.02	0.00
75.623	152.533	1.806	9427.4	5026.7	90.648	1.222	2.00		Sand	22.9			144.17	0.70	100.93	144.69	0.65	0.606	0.868	0.257	0.359	0.59	0.02	0.00
75.787	149.975	1.638	9447.9	5037.0	88.983	1.128	1.98		Sand	21.6			141.75	0.69	98.29	138.82	0.65	0.606	0.874	0.229	0.310	0.51	0.02	0.00
75.951	149.897	1.551	9468.4	5047.3	88.838	1.068	1.97		Sand	20.5			141.68	0.69	97.65	135.44	0.65	0.605	0.877	0.216	0.287	0.47	0.02	0.00
76.115	149.996	1.331	9488.9	5057.5	88.802	0.916	1.93		Sand	17.1			141.77	0.68	96.02	125.02	0.65	0.605	0.887	0.183	0.232	0.38	0.03	0.00
76.280	152.098	1.391	9509.5	5067.9	89.989	0.944	1.93		Sand	17.4			143.76	0.68	97.70	127.64	0.65	0.604	0.884	0.190	0.244	0.40	0.02	0.00
76.444	156.867	1.451	9530.0	5078.1	92.801	0.954	1.92		Sand	16.8			148.27	0.68	100.98	129.53	0.65	0.604	0.882	0.196	0.253	0.42	0.02	0.00
76.608	168.979	1.895	9550.5	5088.4	100.084	1.154	1.95		Sand	19.0			159.72	0.70	111.76	147.80	0.65	0.603	0.862	0.275	0.389	0.65	0.02	0.00
76.772	191.500	1.876	9571.0	5098.7	113.690	1.005	1.87		Sand	12.5			181.00	0.69	125.50	142.20	0.65	0.603	0.869	0.244	0.336	0.56	0.02	0.00
76.936	214.105	1.587	9591.5	5108.9	127.320	0.758	1.75		Sand	3.2			202.37	0.69	139.66	139.67	0.65	0.602	0.871	0.233	0.316	0.52	0.02	0.00
77.100	231.008	1.703	9612.0	5119.2	137.457	0.753	1.73		Sand	1.0			218.34	0.70	153.72	153.72	0.65	0.602	0.854	0.315	0.461	0.77	0.02	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{σ})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
77.264	238.632	1.529	9632.5	5129.5	141.942	0.654	1.68		Sand	0.0			225.55	0.71	160.10	160.10	0.65	0.601	0.845	0.372	0.564	0.94	0.01	0.00
77.428	247.501	1.216	9653.0	5139.7	147.172	0.501	1.59		Sand	0.0			233.93	0.72	167.65	167.65	0.65	0.601	0.833	0.466	0.738	1.23	0.01	0.00
77.592	247.286	1.071	9673.5	5150.0	146.889	0.442	1.56		Sand	0.0			233.73	0.72	167.30	167.30	0.65	0.600	0.834	0.461	0.728	1.21	0.01	0.00
77.756	239.699	1.207	9694.0	5160.3	142.145	0.514	1.61		Sand	0.0			226.56	0.71	160.55	160.55	0.65	0.599	0.843	0.377	0.572	0.95	0.01	0.00
77.920	227.654	1.344	9714.5	5170.5	134.714	0.603	1.67		Sand	0.0			215.17	0.70	150.10	150.10	0.64	0.599	0.857	0.289	0.414	0.69	0.02	0.00
78.084	227.452	1.813	9735.0	5180.8	134.452	0.815	1.75		Sand	3.4			214.98	0.70	149.77	149.78	0.64	0.598	0.857	0.287	0.410	0.69	0.02	0.00
78.248	236.077	2.213	9755.5	5191.1	139.518	0.957	1.79		Sand	6.1			223.14	0.70	157.19	157.99	0.64	0.598	0.846	0.352	0.525	0.88	0.01	0.00
78.412	259.732	2.739	9776.0	5201.3	153.635	1.075	1.79		Sand	6.4			245.49	0.72	177.81	178.99	0.64	0.597	0.812	0.698	1.174	1.96	0.00	0.00
78.576	304.819	2.701	9796.5	5211.6	180.631	0.901	1.69		Sand	0.0			288.11	0.76	218.80	218.80	0.64	0.597	0.730	6.505	10.441	17.49	0.00	0.00
78.740	366.985	3.155	9817.0	5221.9	217.851	0.871	1.62		Sand	0.0			346.87	0.79	273.31	273.31	0.64	0.596	0.729	3272.424	5248.328	8799.01	0.00	0.00
78.904	434.211	2.803	9837.5	5232.1	258.039	0.653	1.48		Sand	0.0			410.41	0.79	323.21	323.21	0.64	0.596	0.728	#########	#########	#########	0.00	0.00
79.068	482.277	2.811	9858.0	5242.4	286.644	0.589	1.42		Sand	0.0			455.84	0.79	358.81	358.81	0.64	0.595	0.728	#########	#########	#########	0.00	0.00
79.232	512.535	2.819	9878.5	5252.7	304.509	0.555	1.38		Sand	0.0			484.44	0.79	381.12	381.12	0.64	0.595	0.727	#########	#########	#########	0.00	0.00
79.396	534.438	3.637	9899.0	5262.9	317.333	0.687	1.43		Sand	0.0			505.14	0.79	397.20	397.20	0.64	0.594	0.727	#########	#########	#########	0.00	0.00
79.560	551.693	3.437	9919.5	5273.2	327.349	0.629	1.40		Sand	0.0			521.45	0.79	409.82	409.82	0.64	0.594	0.726	#########	#########	#########	0.00	0.00
79.724	572.338	2.740	9940.0	5283.5	339.373	0.483	1.30		Sand	0.0			540.96	0.79	424.93	424.93	0.64	0.594	0.725	#########	#########	#########	0.00	0.00
79.888	591.730	1.951	9960.5	5293.7	350.626	0.333	1.19		Sand	0.0			559.29	0.79	439.11	439.11	0.64	0.593	0.725	#########	#########	#########	0.00	0.00
80.052	581.863	1.728	9981.0	5304.0	344.390	0.300	1.16		Sand	0.0			549.97	0.78	431.57	431.57	0.64	0.593	0.724	#########	#########	#########	0.00	0.00
80.217	562.584	2.021	10001.6	5314.3	332.551	0.362	1.23		Sand	0.0			531.74	0.78	417.05	417.05	0.64	0.592	0.724	#########	#########	#########	0.00	0.00
80.381	530.943	2.314	10022.1	5324.6	313.371	0.440	1.30		Sand	0.0			501.84	0.78	393.40	393.40	0.64	0.592	0.723	#########	#########	#########	0.00	0.00
80.545	534.438	2.296	10042.6	5334.9	315.144	0.434	1.30		Sand	0.0			505.14	0.78	395.78	395.78	0.63	0.591	0.723	#########	#########	#########	0.00	0.00
80.709	536.820	2.453	10063.1	5345.1	316.251	0.461	1.31		Sand	0.0			507.39	0.78	397.35	397.35	0.63	0.591	0.722	#########	#########	#########	0.00	0.00
80.873	543.837	2.634	10083.6	5355.4	320.111	0.489	1.33		Sand	0.0			514.02	0.78	402.34	402.34	0.63	0.590	0.721	#########	#########	#########	0.00	0.00
81.037	545.251	2.052	10104.1	5365.7	320.638	0.380	1.25		Sand	0.0			515.36	0.78	403.18	403.18	0.63	0.590	0.721	#########	#########	#########	0.00	0.00
81.201	555.289	1.974	10124.6	5375.9	326.278	0.359	1.23		Sand	0.0			524.85	0.78	410.39	410.39	0.63	0.589	0.720	#########	#########	#########	0.00	0.00
81.365	559.272	1.895	10145.1	5386.2	328.320	0.342	1.22		Sand	0.0			528.61	0.78	413.13	413.13	0.63	0.589	0.720	#########	#########	#########	0.00	0.00
81.529	553.461	2.012	10165.6	5396.5	324.562	0.367	1.24		Sand	0.0			523.12	0.78	408.63	408.63	0.63	0.588	0.719	#########	#########	#########	0.00	0.00
81.693	524.366	2.195	10186.1	5406.7	307.044	0.423	1.30		Sand	0.0			495.62	0.78	386.96	386.96	0.63	0.588	0.719	#########	#########	#########	0.00	0.00
81.857	497.595	2.379	10206.6	5417.0	290.932	0.483	1.35		Sand	0.0			470.32	0.78	367.02	367.02	0.63	0.587	0.718	#########	#########	#########	0.00	0.00
82.021	491.398	2.895	10227.1	5427.3	286.994	0.595	1.42		Sand	0.0			464.46	0.78	362.27	362.27	0.63	0.587	0.717	#########	#########	#########	0.00	0.00
82.185	516.397	3.160	10247.6	5437.5	301.457	0.618	1.42		Sand	0.0			488.09	0.78	380.51	380.51	0.63	0.586	0.717	#########	#########	#########	0.00	0.00
82.349	560.592	3.426	10268.1	5447.8	327.200	0.617	1.39		Sand	0.0			529.86	0.78	412.86	412.86	0.63	0.586	0.716	#########	#########	#########	0.00	0.00
82.513	598.122	3.092	10288.6	5458.1	348.973	0.521	1.32		Sand	0.0			565.33	0.78	440.29	440.29	0.63	0.585	0.716	#########	#########	#########	0.00	0.00
82.677	620.947	2.871	10309.1	5468.3	362.059	0.466	1.27		Sand	0.0			586.91	0.78	456.86	456.86	0.63	0.585	0.715	#########	#########	#########	0.00	0.00
82.841	603.026	3.107	10329.6	5478.6	351.187	0.520	1.32		Sand	0.0			569.97	0.78	443.46	443.46	0.63	0.584	0.715	#########	#########	#########	0.00	0.00
83.005	573.801	2.684	10350.1	5488.9	333.701	0.472	1.30		Sand	0.0			542.34	0.78	421.76	421.76	0.63	0.584	0.714	#########	#########	#########	0.00	0.00
83.169	529.392	3.014	10370.6	5499.1	307.346	0.575	1.39		Sand	0.0			500.37	0.78	388.92	388.92	0.63	0.584	0.713	#########	#########	#########	0.00	0.00
83.333	488.504	2.639	10391.1	5509.4	283.103	0.546	1.40		Sand	0.0			461.72	0.78	358.71	358.71	0.63	0.583	0.713	#########	#########	#########	0.00	0.00
83.497	443.724	2.975	10411.6	5519.7	256.628	0.678	1.49		Sand	0.0			419.40	0.78	325.67	325.67	0.62	0.583	0.712	#########	#########	#########	0.00	0.00
83.661	416.578	3.311	10432.1	5529.9	240.512	0.805	1.57		Sand	0.0			393.74	0.78	305.59	305.59	0.62	0.582	0.712	#########	#########	4608229.25	0.00	0.00
83.825	404.630	3.440	10452.6	5540.2	233.304	0.861	1.60		Sand	0.0			382.45	0.78	296.68	296.68	0.62	0.582	0.711	#########	#########	646393.15	0.00	0.00
83.990	401.134	3.504	10473.3	5550.5	231.041	0.885	1.61		Sand	0.0			379.14	0.78	293.97	293.97	0.62	0.581	0.711	#########	#########	369461.55	0.00	0.00
84.154	411.769	3.569	10493.8	5560.8	237.022	0.878	1.60		Sand	0.0			389.20	0.77	301.62	301.62	0.62	0.581	0.710	#########	#########	1874873.69	0.00	0.00
84.318	441.584	3.638	10514.3	5571.0	254.165	0.834	1.56		Sand	0.0			417.38	0.77	323.30	323.30	0.62	0.580	0.710	#########	#########	#########	0.00	0.00
84.482	468.276	3.907	10534.8	5581.3	269.459	0.844	1.55		Sand	0.0			442.60	0.77	342.68	342.68	0.62	0.580	0.709	#########	#########	#########	0.00	0.00
84.646	478.476	2.590	10555.3	5591.6	275.136	0.547	1.41		Sand	0.0			452.25	0.77	349.97	349.97	0.62	0.580	0.708	#########	#########	#########	0.00	0.00
84.810	482.698	1.938	10575.8	5601.8	277.331	0.406	1.32		Sand	0.0			456.24	0.77	352.89	352.89	0.62	0.579	0.708	#########	#########	#########	0.00	0.00
84.974	499.395	1.546	10596.3	5612.1	286.762	0.313	1.24		Sand	0.0			472.02	0.77	364.92	364.92	0.62	0.579	0.707	#########	#########	#########	0.00	0.00
85.138	518.207	1.561	10616.8	5622.4	297.402	0.304	1.22		Sand	0.0			489.80	0.77	378.49	378.49	0.62	0.578	0.707	#########	#########	#########	0.00	0.00
85.302	528.748	1.576	10637.3	5632.6	303.231	0.301	1.21		Sand	0.0			499.76	0.77	386.00	386.00	0.62	0.578	0.706	#########	#########	#########	0.00	0.00
85.466	519.890	3.006	10657.8	5642.9	297.823	0.584	1.40		Sand	0.0			491.39	0.77	379.35	379.35	0.62	0.577	0.706	#########	#########	#########	0.00	0.00
85.630	493.974	4.946	10678.3	5653.2	282.560	1.012	1.59		Sand	0.0			466.89	0.77	360.27	360.27	0.62	0.577	0.705	#########	#########	#########	0.00	0.00
85.794	441.039	7.286	10698.8	5663.4	251.715	1.672	1.80		Sand	6.7			416.86	0.77	321.51	323.68	0.62	0.576	0.705	#########	#########	#########	0.00	0.00
85.958	365.366	9.156	10719.3	5673.7	207.802	2.543	1.99		Sand	22.4			345.34	0.77	266.22	334.51	0.62	0.576	0.704	#########	#########	#########	0.00	0.00
86.122	290.535	10.533	10739.8	5684.0	164.453	3.694	2.18		Sand	37.7			274.61	0.77	211.59	301.79	0.62	0.576	0.704	#########	#########	1945083.25	0.00	0.00
86.286	217.870	9.422	10760.3	5694.2	122.431	4.434	2.32		Sand	48.8			205.93	0.76	156.74	243.50	0.62	0.575	0.703	62.331	96.405	167.60	0.00	0.00
86.450	160.897	8.014	10780.8	5704.5	89.518	5.153	2.46		Sand	59.6			152.08	0.71	107.69	186.44	0.62	0.575	0.776	0.954	1.628	2.83	0.00	0.00
86.614	106.763	5.184	10801.3	5714.8	35.474	5.114	2.72		Clay	80.7			100.91	0.77	n.a.	n.a.	0.61	0.574	n.a.	n.a.	n.a.	n.a.	0.00	0.00
86.778	72.187	2.815	10821.8	5725.0	23.328	4.216	2.80		Clay	86.7			68.23	0.77	n.a.	n.a.	0.61	0.574	n.a.	n.a.	n.a.	n.a.	0.00	0.00
86.942	58.436	1.610	10842.3	5735.3	18.487	3.037	2.78		Clay	85.7			55.23	0.77	n.a.	n.a.	0.61	0.574	n.a.	n.a.	n.a.	n.a.	0.00	0.00
87.106	60.917	1.684	10862.8	5745.6	19.314	3.035	2.77		Clay	84.5			57.58	0.77	n.a.	n.a.	0.61	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
87.270	69.977	1.757	10883.3	5755.8	22.424	2.723	2.69		Clay	78.1			66.14	0.77	n.a.	n.a.	0.61	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
87.434	86.602	2.696	10903.8	5766.1	28.147	3.322	2.67		Clay	76.4			81.85	0.77	n.a.	n.a.	0.61	0.572	n.a.	n.a.	n.a.	n.a.	0.00	0.00
87.598	93.366	3.754	10924.3	5776.4	30.436	4.271	2.71		Clay	80.2			88.25	0.77	n.a.	n.a.	0.61	0.572	n.a.	n.a.	n.a.	n.a.	0.00	0.00
87.762	95.017	3.545	10944.8	5786.6	30.949	3.959	2.69		Clay	78.0			89.81	0.77	n.a.	n.a.	0.61	0.571	n.a.	n.a.	n.a.	n.a.	0.00	0.00
87.927	82.037	2.821	10965.4	5797.0	26.412	3.685	2.72		Clay	80.4			77.54	0.77	n.a.	n.a.	0.61	0.571	n.a.	n.a.	n.a.	n.a.	0.00	0.00
88.091	69.406	2.025	10985.9	5807.2	22.012	3.168	2.74		Clay	81.9			65.60	0.77	n.a.	n.a.	0.61	0.571	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
88.255	59.282	1.600	11006.4	5817.5	18.489	2.975	2.78		Clay	85.3			56.03	0.77	n.a.	n.a.	0.61	0.570	n.a.	n.a.	n.a.	n.a.	0.00	0.00
88.419	62.102	1.679	11026.9	5827.8	19.420	2.967	2.76		Clay	83.9			58.70	0.77	n.a.	n.a.	0.61	0.570	n.a.	n.a.	n.a.	n.a.	0.00	0.00
88.583	80.239	1.757	11047.4	5838.0	25.596	2.352	2.60		Clay	71.4			75.84	0.77	n.a.	n.a.	0.61	0.569	n.a.	n.a.	n.a.	n.a.	0.00	0.00
88.747	99.775	1.710	11067.9	5848.3	53.579	1.814	2.28		Sand	45.7			94.31	0.63	59.13	118.76	0.61	0.569	0.875	0.169	0.203	0.36	0.03	0.00
88.911	109.506	2.111	11088.4	5858.6	59.054	2.031	2.28		Sand	45.8			103.50	0.64	65.93	127.31	0.61	0.569	0.865	0.189	0.237	0.42	0.02	0.00
89.075	124.283	2.513	11108.9	5868.8	67.383	2.117	2.25		Sand	43.4			117.47	0.65	76.39	139.03	0.61	0.568	0.852	0.230	0.304	0.53	0.02	0.00
89.239	152.612	2.853	11129.4	5879.1	83.382	1.940	2.16		Sand	35.9			144.25	0.67	96.89	158.62	0.61	0.568	0.824	0.358	0.523	0.92	0.01	0.00
89.403	201.839	4.335	11149.9	5889.4	111.193	2.209	2.12		Sand	32.2			190.77	0.72	136.69	202.91	0.61	0.567	0.722	2.235	3.549	6.25	0.00	0.00
89.567	199.585	4.731	11170.4	5899.6	109.815	2.439	2.15		Sand	35.1			188.64	0.72	135.47	205.01	0.61	0.567	0.714	2.536	3.984	7.02	0.00	0.00
89.731	167.411	4.999	11190.9	5909.9	91.517	3.089	2.28		Sand	45.4			158.23	0.70	110.05	182.50	0.61	0.567	0.777	0.804	1.332	2.35	0.00	0.00
89.895	119.259	4.517	11211.4	5920.2	38.395	3.974	2.62		Clay	72.6			112.72	0.76	n.a.	n.a.	0.60	0.566	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.059	112.688	4.770	11231.9	5930.4	36.109	4.455	2.67		Clay	76.9			106.51	0.76	n.a.	n.a.	0.60	0.566	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.223	117.272	5.023	11252.4	5940.7	37.587	4.499	2.66		Clay	76.2			110.84	0.76	n.a.	n.a.	0.60	0.566	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.387	119.321	5.078	11272.9	5951.0	38.207	4.467	2.66		Clay	75.6			112.78	0.76	n.a.	n.a.	0.60	0.565	n.a.	n.a.	n.a.	n.a.	0.00	0.00
90.551	150.193	5.524	11293.4	5961.2	81.398	3.822	2.38		Sand	53.7			141.96	0.68	96.56	169.87	0.60	0.565	0.802	0.501	0.776	1.37	0.00	0.00
90.715	210.119	5.086	11313.9	5971.5	115.039	2.488	2.14		Sand	34.5			198.60	0.72	143.91	214.68	0.60	0.564	0.689	4.804	7.279	12.90	0.00	0.00
90.879	267.233	5.897	11334.4	5981.8	147.041	2.254	2.04		Sand	26.4			252.58	0.76	192.02	258.93	0.60	0.564	0.688	399.978	605.621	1073.67	0.00	0.00
91.043	289.229	5.758	11354.9	5992.0	159.264	2.031	1.99		Sand	21.8			273.37	0.76	207.73	265.20	0.60	0.564	0.688	954.889	1444.751	2562.99	0.00	0.00
91.207	291.424	6.067	11375.4	6002.3	160.354	2.123	2.00		Sand	22.9			275.45	0.76	209.21	270.04	0.60	0.563	0.687	1961.047	2964.857	5263.10	0.00	0.00
91.371	299.341	6.289	11395.9	6012.6	164.650	2.142	1.99		Sand	22.5			282.93	0.76	214.80	275.48	0.60	0.563	0.687	4646.180	7019.199	12468.33	0.00	0.00
91.535	323.650	6.617	11416.4	6022.8	178.123	2.081	1.96		Sand	20.0			305.91	0.76	232.13	287.12	0.60	0.563	0.686	35914.776	54217.674	96370.29	0.00	0.00
91.699	336.533	4.926	11436.9	6033.1	185.177	1.489	1.84		Sand	10.2			318.08	0.76	241.19	253.73	0.60	0.562	0.686	204.769	308.893	549.40	0.00	0.00
91.864	328.421	4.601	11457.5	6043.4	180.476	1.426	1.83		Sand	9.7			310.42	0.75	232.03	242.10	0.60	0.562	0.685	53.638	80.852	143.90	0.00	0.00
92.028	287.683	4.864	11478.0	6053.7	157.552	1.725	1.93		Sand	17.7	86.74	1.69	459.53	0.76	348.24	407.59	0.60	0.562	0.685	#########	########	#########	0.00	0.00
92.192	240.255	5.127	11498.5	6064.0	130.933	2.186	2.06		Sand	28.2	86.74	1.69	383.77	0.76	290.70	380.52	0.60	0.561	0.684	#########	########	#########	0.00	0.00
92.356	212.230	6.182	11519.0	6074.2	115.182	2.994	2.20		Sand	39.4	86.74	1.69	339.01	0.76	256.67	359.75	0.60	0.561	0.684	#########	########	#########	0.00	0.00
92.520	198.761	7.392	11539.5	6084.5	107.572	3.830	2.31		Sand	47.5	86.74	1.69	317.49	0.76	240.28	347.89	0.60	0.560	0.683	#########	########	#########	0.00	0.00
92.684	180.396	7.244	11560.0	6094.8	97.247	4.149	2.36		Sand	51.9		1.69	288.16	0.76	217.98	323.05	0.60	0.560	0.683	#########	########	#########	0.00	0.00
92.848	151.879	7.421	11580.5	6105.0	47.859	5.080	2.63		Clay	73.3	86.74	1.69	242.60	0.76	n.a.	n.a.	0.60	0.560	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.012	123.755	6.976	11601.0	6115.3	38.577	5.914	2.74		Clay	82.3	86.74	1.69	197.68	0.76	n.a.	n.a.	0.60	0.559	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.176	109.595	4.499	11621.5	6125.6	33.886	4.335	2.69		Clay	77.8	86.74	1.69	175.06	0.76	n.a.	n.a.	0.60	0.559	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.340	97.420	3.279	11642.0	6135.8	29.857	3.580	2.67		Clay	76.6	86.74	1.69	155.61	0.76	n.a.	n.a.	0.60	0.559	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.504	84.181	2.219	11662.5	6146.1	25.496	2.832	2.66		Clay	75.5	86.74	1.69	146.59	0.75	n.a.	n.a.	0.60	0.558	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.668	69.897	2.337	11683.0	6156.4	20.810	3.648	2.79		Clay	86.5	86.74	1.69	146.59	0.75	n.a.	n.a.	0.59	0.558	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.832	59.240	2.456	11703.5	6166.6	17.315	4.600	2.92		Clay	96.6			55.99	0.75	n.a.	n.a.	0.59	0.558	n.a.	n.a.	n.a.	n.a.	0.00	0.00
93.996	56.011	2.320	11724.0	6176.9	16.238	4.626	2.94		Clay	98.4			52.94	0.75	n.a.	n.a.	0.59	0.557	n.a.	n.a.	n.a.	n.a.	0.00	0.00
94.160	54.556	2.061	11744.5	6187.2	15.737	4.233	2.93		Clay	97.3			51.57	0.75	n.a.	n.a.	0.59	0.557	n.a.	n.a.	n.a.	n.a.	0.00	0.00
94.324	50.536	1.531	11765.0	6197.4	14.410	3.429	2.90		Clay	95.2			47.77	0.75	n.a.	n.a.	0.59	0.557	n.a.	n.a.	n.a.	n.a.	0.00	0.00
94.488	41.104	1.193	11785.5	6207.7	11.344	3.388	2.98		Clay	100.0			38.85	0.75	n.a.	n.a.	0.59	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
94.652	33.982	0.960	11806.0	6218.0	9.032	3.419	3.07		Clay	100.0			32.12	0.75	n.a.	n.a.	0.59	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
94.816	30.034	1.041	11826.5	6228.2	7.746	4.316	3.18		Clay	100.0			28.39	0.75	n.a.	n.a.	0.59	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
94.980	27.713	1.122	11847.0	6238.5	6.986	5.149	3.26		Clay	100.0			26.19	0.75	n.a.	n.a.	0.59	0.555	n.a.	n.a.	n.a.	n.a.	0.00	0.00
95.144	26.956	0.838	11867.5	6248.8	6.728	3.986	3.21		Clay	100.0			25.48	0.75	n.a.	n.a.	0.59	0.555	n.a.	n.a.	n.a.	n.a.	0.00	0.00
95.308	26.478	0.663	11888.0	6259.0	6.561	3.229	3.17		Clay	100.0			25.03	0.75	n.a.	n.a.	0.59	0.555	n.a.	n.a.	n.a.	n.a.	0.00	0.00
95.472	26.022	0.548	11908.5	6269.3	6.402	2.731	3.14		Clay	100.0			24.60	0.75	n.a.	n.a.	0.59	0.554	n.a.	n.a.	n.a.	n.a.	0.00	0.00
95.636	25.313	0.505	11929.0	6279.6	6.162	2.610	3.14		Clay	100.0			23.93	0.75	n.a.	n.a.	0.59	0.554	n.a.	n.a.	n.a.	n.a.	0.00	0.00
95.801	25.180	0.452	11949.6	6289.9	6.107	2.354	3.12		Clay	100.0			23.80	0.75	n.a.	n.a.	0.59	0.554	n.a.	n.a.	n.a.	n.a.	0.00	0.00
95.965	26.556	0.497	11970.1	6300.1	6.530	2.416	3.10		Clay	100.0			25.10	0.75	n.a.	n.a.	0.59	0.553	n.a.	n.a.	n.a.	n.a.	0.00	0.00
96.129	29.150	0.542	11990.6	6310.4	7.339	2.341	3.05		Clay	100.0			27.55	0.75	n.a.	n.a.	0.59	0.553	n.a.	n.a.	n.a.	n.a.	0.00	0.00
96.293	34.723	0.781	12011.1	6320.7	9.087	2.720	3.01		Clay	100.0			32.82	0.75	n.a.	n.a.	0.59	0.553	n.a.	n.a.	n.a.	n.a.	0.00	0.00
96.457	41.624	0.999	12031.6	6330.9	11.249	2.806	2.94		Clay	98.1			39.34	0.75	n.a.	n.a.	0.59	0.553	n.a.	n.a.	n.a.	n.a.	0.00	0.00
96.621	44.893	1.011	12052.1	6341.2	12.259	2.601	2.89		Clay	94.1			42.43	0.75	n.a.	n.a.	0.59	0.552	n.a.	n.a.	n.a.	n.a.	0.00	0.00
96.785	41.133	0.999	12072.6	6351.5	11.051	2.846	2.95		Clay	98.9			38.88	0.75	n.a.	n.a.	0.59	0.552	n.a.	n.a.	n.a.	n.a.	0.00	0.00
96.949	33.252	1.414	12093.1	6361.7	8.553	5.197	3.19		Clay	100.0			31.43	0.75	n.a.	n.a.	0.59	0.552	n.a.	n.a.	n.a.	n.a.	0.00	0.00
97.113	28.142	0.948	12113.6	6372.0	6.932	4.292	3.22		Clay	100.0			26.60	0.75	n.a.	n.a.	0.59	0.551	n.a.	n.a.	n.a.	n.a.	0.00	0.00
97.277	27.574	0.896	12134.1	6382.3	6.740	4.166	3.22		Clay	100.0			26.06	0.75	n.a.	n.a.	0.59	0.551	n.a.	n.a.	n.a.	n.a.	0.00	0.00
97.441	33.767	0.999	12154.6	6392.5	8.663	3.608	3.09		Clay	100.0			31.92	0.75	n.a.	n.a.	0.59	0.551	n.a.	n.a.	n.a.	n.a.	0.00	0.00
97.605	39.960	1.102	12175.1	6402.8	10.580	3.253	3.00		Clay	100.0			37.77	0.75	n.a.	n.a.	0.59	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
97.769	55.378	1.554	12195.6	6413.1	15.369	3.153	2.86		Clay	91.6			52.34	0.75	n.a.	n.a.	0.59	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
97.933	81.369	2.040	12216.1	6423.3	23.434	2.711	2.67		Clay	76.8			76.91	0.75	n.a.	n.a.	0.58	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
98.097	112.597	2.138	12236.6	6433.6	57.717	2.008	2.29		Sand	46.1			106.42	0.61	64.88	126.18	0.58	0.550	0.854	0.186	0.228	0.42	0.03	0.00
98.261	128.276	1.635	12257.1	6443.9	66.158	1.339	2.13		Sand	33.3			121.24	0.61	74.19	128.26	0.58	0.549	0.852	0.192	0.238	0.43	0.02	0.00
98.425	112.813	1.307	12277.6	6454.1	57.731	1.225	2.15		Sand	35.2			106.63	0.60	63.67	117.14	0.58	0.549	0.864	0.165	0.195	0.36	0.03	0.00
98.589	80.698	1.319	12298.1	6464.4	40.313	1.769	2.37		Sand	52.8			76.27	0.58	44.03	102.80	0.58	0.549	0.879	0.141	0.158	0.29	0.03	0.00
98.753	50.496	1.185	12318.6	6474.7	13.695	2.673	2.86		Clay	91.5			47.73	0.74	n.a.	n.a.	0.58	0.549	n.a.	n.a.	n.a.	n.a.	0.00	0.00
98.917	34.153	0.911	12339.1	6484.9	8.630	3.255	3.07		Clay	100.0			32.28	0.74	n.a.	n.a.	0.58	0.548	n.a.	n.a.	n.a.	n.a.	0.00	0.00
99.081	28.736	0.601	12359.6	6495.2	6.945	2.664	3.10		Clay	100.0			27.16	0.74	n.a.	n.a.	0.58	0.548	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-3

PGA (A_{max})	0.76

Total Settlement:	3.88	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor ($K_{..}$)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_s for Sand	CRR$_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
99.245	27.341	0.523	12380.1	6505.5	6.503	2.473	3.11		Clay	100.0			25.84	0.74	n.a.	n.a.	0.58	0.548	n.a.	n.a.	n.a.	n.a.	0.00	0.00
99.409	27.918	0.494	12400.6	6515.7	6.666	2.275	3.08		Clay	100.0			26.39	0.74	n.a.	n.a.	0.58	0.547	n.a.	n.a.	n.a.	n.a.	0.00	0.00
99.573	28.402	0.498	12421.1	6526.0	6.801	2.244	3.07		Clay	100.0			26.84	0.74	n.a.	n.a.	0.58	0.547	n.a.	n.a.	n.a.	n.a.	0.00	0.00
99.738	28.173	0.502	12441.8	6536.3	6.717	2.287	3.08		Clay	100.0			26.63	0.74	n.a.	n.a.	0.58	0.547	n.a.	n.a.	n.a.	n.a.	0.00	0.00
99.902	27.090	0.519	12462.3	6546.6	6.372	2.488	3.12		Clay	100.0			25.60	0.74	n.a.	n.a.	0.58	0.547	n.a.	n.a.	n.a.	n.a.	0.00	0.00
100.066	25.539	0.525	12482.8	6556.9	5.886	2.721	3.17		Clay	100.0			24.14	0.74	n.a.	n.a.	0.58	0.546	n.a.	n.a.	n.a.	n.a.	0.00	0.00
100.230	24.402	0.538	12503.3	6567.1	5.528	2.964	3.21		Clay	100.0			23.06	0.74	n.a.	n.a.	0.58	0.546	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No. K-4

PGA (A_{max}) 0.76

Total Settlement: 3.31 (Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
5.085	8.865	0.395	610.2	610.2	28.056	4.615	2.76		Clay	84.1			8.38	1.39	n.a.	n.a.	0.99	0.494	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.249	14.449	0.459	629.9	629.9	31.201	3.247	2.63	plastic	Clay	73.2	14.78		14.78	1.38	n.a.	n.a.	0.99	0.502	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.413	15.397	0.469	649.6	649.6	32.563	3.112	2.60	plastic	Clay	71.1	14.78		14.78	1.37	n.a.	n.a.	0.99	0.510	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.577	15.634	0.480	669.2	669.2	32.370	3.137	2.61	plastic	Clay	71.4			14.78	1.35	n.a.	n.a.	0.99	0.517	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.741	14.804	0.447	688.9	688.9	29.979	3.091	2.63	plastic	Clay	73.1			13.99	1.34	n.a.	n.a.	0.99	0.524	n.a.	n.a.	n.a.	n.a.	0.00	0.00
5.906	14.278	0.450	708.7	708.7	28.301	3.232	2.66	plastic	Clay	75.6			13.50	1.33	n.a.	n.a.	0.99	0.531	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.070	13.879	0.431	728.4	728.4	26.948	3.189	2.67	plastic	Clay	76.6	15.88		15.88	1.32	n.a.	n.a.	0.99	0.537	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.234	13.747	0.422	748.1	748.1	26.172	3.156	2.68	plastic	Clay	77.2	15.88		15.88	1.32	n.a.	n.a.	0.99	0.544	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.398	13.866	0.425	767.8	767.8	25.910	3.152	2.68	plastic	Clay	77.4	15.88		15.88	1.31	n.a.	n.a.	0.99	0.550	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.562	14.800	0.428	787.4	787.4	27.200	2.971	2.65	plastic	Clay	74.8	15.88		15.88	1.30	n.a.	n.a.	0.99	0.556	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.726	15.802	0.480	807.1	807.1	28.576	3.117	2.64	plastic	Clay	74.6	15.88		15.88	1.29	n.a.	n.a.	0.99	0.562	n.a.	n.a.	n.a.	n.a.	0.00	0.00
6.890	16.604	0.501	826.8	826.8	29.543	3.094	2.63	plastic	Clay	73.5	15.88		15.88	1.28	n.a.	n.a.	0.99	0.567	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.054	16.798	0.503	846.5	846.5	29.391	3.072	2.63	plastic	Clay	73.5			15.88	1.27	n.a.	n.a.	0.99	0.573	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.218	16.795	0.506	866.2	866.2	28.900	3.093	2.64	plastic	Clay	74.1			15.87	1.27	n.a.	n.a.	0.99	0.578	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.382	16.821	0.510	885.8	885.8	28.477	3.114	2.65	plastic	Clay	74.6			15.90	1.26	n.a.	n.a.	0.98	0.583	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.546	16.661	0.555	905.5	905.5	27.751	3.424	2.68	plastic	Clay	77.5	15.9		15.90	1.25	n.a.	n.a.	0.98	0.588	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.710	15.990	0.554	925.2	925.2	33.565	3.568	2.63		Clay	73.5			15.11	1.24	n.a.	n.a.	0.98	0.592	n.a.	n.a.	n.a.	n.a.	0.00	0.00
7.874	14.609	0.510	944.9	944.9	29.922	3.608	2.67		Clay	76.7			13.81	1.24	n.a.	n.a.	0.98	0.597	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.038	13.308	0.388	964.6	964.6	26.594	3.025	2.66		Clay	75.8			12.58	1.23	n.a.	n.a.	0.98	0.602	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.202	12.461	0.312	984.2	984.2	24.321	2.607	2.65		Clay	75.0			11.78	1.22	n.a.	n.a.	0.98	0.606	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.366	12.349	0.272	1003.9	1003.9	23.602	2.296	2.63		Clay	73.1			11.67	1.22	n.a.	n.a.	0.98	0.610	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.530	12.357	0.246	1023.6	1023.6	23.144	2.077	2.61		Clay	71.6			11.68	1.21	n.a.	n.a.	0.98	0.614	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.694	12.428	0.211	1043.3	1043.3	18.462	1.772	2.65	plastic	Clay	74.9	12.74		12.74	1.21	n.a.	n.a.	0.98	0.618	n.a.	n.a.	n.a.	n.a.	0.00	0.00
8.858	12.874	0.175	1063.0	1063.0	18.889	1.418	2.59	plastic	Clay	70.0	12.74		12.74	1.20	n.a.	n.a.	0.98	0.622	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.022	13.198	0.167	1082.6	1082.6	19.123	1.319	2.57	plastic	Clay	68.3	12.74		12.74	1.19	n.a.	n.a.	0.98	0.626	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.186	13.476	0.164	1102.3	1102.3	19.283	1.269	2.55	plastic	Clay	67.4			12.74	1.19	n.a.	n.a.	0.98	0.630	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.350	13.323	0.178	1122.0	1122.0	18.806	1.395	2.59	plastic	Clay	69.8			12.59	1.18	n.a.	n.a.	0.98	0.633	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.514	13.270	0.148	1141.7	1141.7	16.341	1.165	2.60	plastic	Clay	70.8			12.54	1.18	n.a.	n.a.	0.98	0.637	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.678	13.565	0.157	1161.4	1161.4	18.677	1.209	2.56	plastic	Clay	67.4			12.82	1.17	n.a.	n.a.	0.98	0.640	n.a.	n.a.	n.a.	n.a.	0.00	0.00
9.843	14.211	0.165	1181.2	1181.2	17.231	1.211	2.59	plastic	Clay	69.9			13.43	1.17	n.a.	n.a.	0.98	0.643	n.a.	n.a.	n.a.	n.a.	0.00	0.00
10.007	14.677	0.188	1200.9	1200.4	17.664	1.336	2.60		Sand	70.9	25.01		25.01	1.34	33.43	93.95	0.97	0.646	1.057	0.130	0.169	0.26	0.03	0.07
10.171	15.307	0.210	1221.4	1210.7	18.364	1.429	2.60		Sand	71.0	25.01		25.01	1.33	33.29	93.79	0.97	0.649	1.057	0.130	0.169	0.26	0.03	0.07
10.335	15.436	0.205	1241.9	1221.0	18.434	1.384	2.59		Sand	70.3	25.01		25.01	1.33	33.16	93.49	0.97	0.652	1.056	0.129	0.168	0.26	0.03	0.07
10.499	15.637	0.180	1262.4	1231.2	18.593	1.200	2.56		Sand	67.4	25.01		25.01	1.32	33.05	92.78	0.97	0.655	1.054	0.129	0.166	0.25	0.03	0.07
10.663	15.425	0.194	1282.9	1241.5	18.242	1.312	2.58		Sand	69.6	25.01		25.01	1.32	32.90	93.02	0.97	0.658	1.054	0.129	0.167	0.25	0.03	0.07
10.827	15.473	0.189	1303.4	1251.8	18.214	1.275	2.58		Sand	69.1	25.01		25.01	1.31	32.77	92.76	0.97	0.661	1.053	0.129	0.166	0.25	0.03	0.07
10.991	15.594	0.205	1323.9	1262.0	18.275	1.373	2.59		Sand	70.4	25.01		25.01	1.30	32.63	92.82	0.97	0.664	1.052	0.129	0.166	0.25	0.03	0.07
11.155	16.445	0.222	1344.4	1272.3	19.226	1.407	2.58		Sand	69.3	25.01		25.01	1.30	32.51	92.46	0.97	0.666	1.051	0.128	0.165	0.25	0.03	0.07
11.319	17.942	0.353	1364.9	1282.6	23.161	2.045	2.60		Mixed	71.2	25.01		25.01	1.29	32.37	92.64	0.97	0.669	1.050	0.128	0.165	0.25	0.03	0.07
11.483	21.699	0.526	1385.4	1292.8	28.031	2.504	2.59		Mixed	70.2	25.01		25.01	1.29	32.25	92.30	0.97	0.671	1.049	0.128	0.165	0.25	0.03	0.07
11.647	26.456	0.753	1405.9	1303.1	31.018	2.924	2.60		Sand	70.9			25.01	1.28	32.11	92.26	0.97	0.674	1.049	0.128	0.164	0.24	0.03	0.07
11.811	30.971	0.703	1426.4	1313.4	36.301	2.323	2.48		Sand	61.6			29.27	1.27	37.25	96.84	0.97	0.676	1.049	0.133	0.174	0.26	0.03	0.07
11.975	33.856	0.623	1446.9	1323.6	39.595	1.880	2.40		Sand	54.6			32.00	1.26	40.47	98.90	0.97	0.678	1.049	0.136	0.179	0.26	0.03	0.06
12.139	34.111	0.642	1467.4	1333.9	39.734	1.923	2.40		Sand	55.0			32.24	1.26	40.61	99.21	0.97	0.681	1.049	0.136	0.180	0.26	0.03	0.06
12.303	35.264	0.661	1487.9	1344.2	40.937	1.915	2.39		Sand	54.1			33.33	1.25	41.77	100.38	0.97	0.683	1.048	0.138	0.183	0.27	0.03	0.06
12.467	37.174	0.827	1508.4	1354.4	43.026	2.271	2.42		Sand	56.6			35.14	1.24	43.72	103.68	0.97	0.685	1.049	0.142	0.191	0.28	0.03	0.06
12.631	40.053	0.800	1528.9	1364.7	46.240	2.036	2.37		Sand	52.2			37.86	1.24	46.83	106.12	0.96	0.687	1.049	0.146	0.198	0.29	0.03	0.06
12.795	41.627	0.834	1549.4	1375.0	47.901	2.042	2.35		Sand	51.4			39.34	1.23	48.42	107.80	0.96	0.689	1.049	0.148	0.203	0.29	0.03	0.06
12.959	41.805	0.868	1569.9	1385.2	47.919	2.116	2.36		Sand	52.2			39.51	1.23	48.44	108.14	0.96	0.691	1.048	0.149	0.204	0.30	0.03	0.06
13.123	40.394	1.087	1590.4	1395.5	46.088	2.745	2.45		Sand	59.2			38.18	1.22	46.63	108.19	0.96	0.693	1.047	0.149	0.204	0.29	0.03	0.06
13.287	40.376	1.136	1610.9	1405.8	45.887	2.871	2.47		Sand	60.4			38.16	1.22	46.45	108.28	0.96	0.695	1.046	0.149	0.204	0.29	0.03	0.06
13.451	41.836	1.057	1631.4	1416.0	47.395	2.577	2.42		Sand	57.0			39.54	1.21	47.92	109.16	0.96	0.697	1.046	0.151	0.207	0.30	0.03	0.06
13.615	45.849	0.974	1651.9	1426.3	51.832	2.163	2.35		Sand	50.6			43.34	1.20	52.20	112.30	0.96	0.698	1.046	0.156	0.217	0.31	0.03	0.06
13.780	47.223	1.093	1672.5	1436.6	53.210	2.356	2.36		Sand	51.9			44.63	1.20	53.50	114.46	0.96	0.700	1.046	0.160	0.225	0.32	0.03	0.05
13.944	46.451	1.212	1693.0	1446.9	52.127	2.658	2.40		Sand	55.3			43.90	1.19	52.45	114.37	0.96	0.702	1.045	0.160	0.225	0.32	0.03	0.05
14.108	46.421	1.509	1713.5	1457.2	51.897	3.312	2.47		Sand	60.7			43.88	1.19	52.19	115.74	0.96	0.704	1.045	0.162	0.230	0.33	0.03	0.05
14.272	49.434	1.396	1734.0	1467.4	55.123	2.874	2.41		Sand	55.8			46.72	1.18	55.30	118.17	0.96	0.705	1.045	0.167	0.240	0.34	0.03	0.05
14.436	55.774	1.136	1754.5	1477.7	62.091	2.069	2.27		Sand	44.9			52.72	1.18	62.03	121.95	0.96	0.707	1.045	0.176	0.257	0.36	0.03	0.05
14.600	61.736	0.852	1775.0	1488.0	68.585	1.400	2.13		Sand	33.4			58.35	1.17	68.47	121.33	0.96	0.708	1.044	0.174	0.254	0.36	0.03	0.05
14.764	62.127	0.774	1795.5	1498.2	68.777	1.264	2.10	plastic	Clay	31.0			58.72	1.10	n.a.	n.a.	0.96	0.710	n.a.	n.a.	n.a.	n.a.	0.00	0.00
14.928	55.950	0.695	1816.0	1508.5	61.616	1.263	2.14	plastic	Clay	34.0			52.88	1.09	n.a.	n.a.	0.96	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.092	48.808	0.836	1836.5	1518.8	53.428	1.746	2.27	plastic	Clay	44.9			46.13	1.09	n.a.	n.a.	0.95	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.256	45.897	0.681	1857.0	1529.0	50.000	1.514	2.26	plastic	Clay	43.6			43.38	1.09	n.a.	n.a.	0.95	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.420	45.387	0.737	1877.5	1539.3	49.257	1.658	2.29	plastic	Clay	46.0			42.90	1.09	n.a.	n.a.	0.95	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.584	46.296	0.793	1898.0	1549.6	50.086	1.749	2.30	plastic	Clay	46.7			43.76	1.09	n.a.	n.a.	0.95	0.717	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.748	48.627	0.910	1918.5	1559.8	52.476	1.909	2.31	plastic	Clay	47.4			45.96	1.08	n.a.	n.a.	0.95	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
15.912	58.297	0.785	1939.0	1570.1	62.903	1.369	2.15	plastic	Clay	35.2			55.10	1.08	n.a.	n.a.	0.95	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
16.076	68.419	0.367	1959.5	1580.4	73.758	0.544	1.87		Sand	12.2	71.94		71.94	1.16	83.37	96.88	0.95	0.720	1.030	0.133	0.171	0.24	0.03	0.07

CORNERSTONE EARTH GROUP

CPT No.	K-4

PGA (A_{max})	0.76

Total Settlement:	3.31	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{cl})	Interpreted q_{cN}	C_N	q_{c1N}	$q_{c1N\text{-}CS}$	Stress Reduction Coeff, r_d	CSR	K_s for Sand	CRR$_{M=7.5, \sigma'_{vc}=1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
16.240	76.109	0.257	1980.0	1590.6	81.891	0.342	1.73		Sand	1.4			71.94	1.17	83.84	83.84	0.95	0.721	1.027	0.119	0.146	0.20	0.04	0.08
16.404	75.668	0.216	2000.5	1600.9	81.138	0.289	1.70		Sand	0.0			71.52	1.16	83.11	83.11	0.95	0.723	1.026	0.119	0.145	0.20	0.04	0.08
16.568	69.754	0.274	2021.0	1611.2	74.462	0.399	1.80		Sand	6.7			65.93	1.16	76.64	77.76	0.95	0.724	1.024	0.114	0.136	0.19	0.04	0.08
16.732	60.201	0.333	2041.5	1621.4	63.900	0.563	1.93		Sand	17.1			56.90	1.15	65.33	91.00	0.95	0.725	1.026	0.127	0.158	0.22	0.04	0.07
16.896	48.291	0.520	2062.0	1631.7	50.868	1.100	2.17		Sand	36.5			45.64	1.14	51.84	103.72	0.95	0.726	1.028	0.142	0.188	0.26	0.03	0.06
17.060	37.326	0.679	2082.5	1642.0	38.933	1.871	2.40		Sand	55.0			35.28	1.14	40.07	98.50	0.95	0.727	1.027	0.135	0.174	0.24	0.03	0.06
17.224	29.352	0.711	2103.0	1652.2	30.271	2.512	2.57		Sand	68.2			27.74	1.14	31.54	91.00	0.95	0.728	1.025	0.127	0.158	0.22	0.04	0.07
17.388	31.473	0.892	2123.5	1662.5	32.429	2.933	2.59		Sand	69.8			29.75	1.13	33.66	94.05	0.94	0.729	1.024	0.130	0.164	0.23	0.03	0.07
17.552	41.148	0.897	2144.0	1672.8	42.603	2.238	2.42		Sand	56.5			38.89	1.12	43.64	103.56	0.94	0.730	1.026	0.142	0.187	0.26	0.03	0.06
17.717	53.617	0.919	2164.6	1683.1	55.676	1.749	2.26		Sand	43.9			50.68	1.11	56.41	114.35	0.94	0.731	1.027	0.160	0.221	0.30	0.03	0.06
17.881	54.437	0.940	2185.1	1693.4	56.362	1.762	2.26		Sand	43.7			51.45	1.11	57.09	115.11	0.94	0.731	1.027	0.161	0.224	0.31	0.03	0.05
18.045	49.370	1.192	2205.6	1703.6	50.844	2.470	2.39		Sand	54.2			46.66	1.11	51.68	113.00	0.94	0.732	1.026	0.157	0.216	0.29	0.03	0.06
18.209	45.384	1.051	2226.1	1713.9	46.494	2.374	2.41		Sand	55.6			42.90	1.11	47.47	108.13	0.94	0.733	1.024	0.149	0.199	0.27	0.03	0.06
18.373	50.375	1.084	2246.6	1724.1	51.571	2.201	2.35		Sand	51.1			47.61	1.10	52.44	112.80	0.94	0.734	1.024	0.157	0.215	0.29	0.03	0.06
18.537	55.691	0.882	2267.1	1734.4	56.957	1.617	2.23		Sand	41.5			52.64	1.10	57.76	114.63	0.94	0.735	1.024	0.160	0.221	0.30	0.03	0.05
18.701	55.955	0.961	2287.6	1744.7	57.054	1.753	2.25		Sand	43.3			52.89	1.09	57.85	115.81	0.94	0.735	1.023	0.162	0.226	0.31	0.03	0.05
18.865	50.919	1.041	2308.1	1754.9	51.649	2.092	2.34		Sand	49.9	52.89		52.89	1.09	57.63	118.87	0.94	0.736	1.023	0.169	0.238	0.32	0.03	0.05
19.029	41.598	1.134	2328.6	1765.2	41.842	2.805	2.49		Sand	62.2	52.89		52.89	1.09	57.40	122.83	0.94	0.737	1.023	0.178	0.256	0.35	0.03	0.05
19.193	31.119	0.942	2349.1	1775.5	32.001	3.146	2.61		Mixed	71.8	52.89		52.89	1.08	57.21	124.87	0.94	0.738	1.023	0.183	0.266	0.36	0.03	0.05
19.357	21.384	0.853	2369.6	1785.7	22.623	4.223	2.81		Clay	87.6			20.21	1.05	n.a.	n.a.	0.94	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.521	15.666	0.652	2390.1	1796.0	16.114	4.506	2.94		Clay	98.0			14.81	1.04	n.a.	n.a.	0.93	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.685	13.704	0.444	2410.6	1806.3	13.839	3.552	2.93		Clay	97.0			12.95	1.04	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
19.849	13.835	0.382	2431.1	1816.5	13.894	3.027	2.88		Clay	93.6			13.08	1.04	n.a.	n.a.	0.93	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.013	15.006	0.356	2451.6	1826.8	15.087	2.583	2.81		Clay	88.1			14.18	1.04	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.177	16.535	0.349	2472.1	1837.1	16.656	2.281	2.75		Clay	82.8			15.63	1.04	n.a.	n.a.	0.93	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.341	17.619	0.384	2492.6	1847.3	17.726	2.345	2.73		Clay	81.6			16.65	1.04	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.505	18.143	0.418	2513.1	1857.6	18.181	2.475	2.74		Clay	81.9			17.15	1.03	n.a.	n.a.	0.93	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.669	18.105	0.459	2533.6	1867.9	18.029	2.726	2.76		Clay	84.2			17.11	1.03	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.833	16.250	0.314	2554.1	1878.1	15.944	2.097	2.74		Clay	82.3			15.36	1.03	n.a.	n.a.	0.93	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
20.997	13.504	0.267	2574.6	1888.4	12.939	2.186	2.83		Clay	89.2			12.76	1.03	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.161	10.717	0.211	2595.1	1898.7	9.922	2.240	2.93		Clay	97.4			10.13	1.03	n.a.	n.a.	0.93	0.744	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.325	9.958	0.172	2615.6	1908.9	9.063	1.988	2.94		Clay	97.9			9.41	1.03	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.490	10.123	0.134	2636.3	1919.3	9.175	1.522	2.87		Clay	92.8			9.57	1.03	n.a.	n.a.	0.93	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.654	10.189	0.132	2656.8	1929.5	9.184	1.490	2.87		Clay	92.4			9.63	1.02	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.818	10.263	0.138	2677.3	1939.8	9.201	1.546	2.88		Clay	93.0			9.70	1.02	n.a.	n.a.	0.92	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
21.982	10.291	0.144	2697.8	1950.1	9.171	1.610	2.89		Clay	93.8			9.73	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.146	10.319	0.170	2718.3	1960.3	9.141	1.897	2.92		Clay	96.8			9.75	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.310	10.235	0.197	2738.8	1970.6	8.998	2.222	2.96		Clay	100.0			9.67	1.02	n.a.	n.a.	0.92	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.474	9.925	0.216	2759.3	1980.9	8.628	2.528	3.01		Clay	100.0			9.38	1.02	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.638	9.736	0.245	2779.8	1991.1	8.383	2.935	3.06		Clay	100.0			9.20	1.02	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.802	9.657	0.251	2800.3	2001.4	8.251	3.040	3.07		Clay	100.0			9.13	1.01	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
22.966	10.690	0.288	2820.8	2011.7	9.226	3.104	3.03		Clay	100.0			10.10	1.01	n.a.	n.a.	0.92	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.130	11.790	0.345	2841.3	2021.9	10.257	3.327	3.01		Clay	100.0			11.14	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.294	12.744	0.433	2861.8	2032.2	11.134	3.827	3.02		Clay	100.0			12.05	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.458	12.774	0.403	2882.3	2042.5	11.097	3.556	3.00		Clay	100.0			12.07	1.01	n.a.	n.a.	0.92	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.622	12.705	0.374	2902.8	2052.7	10.965	3.323	2.99		Clay	100.0			12.01	1.01	n.a.	n.a.	0.92	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.786	12.916	0.272	2923.3	2063.0	11.105	2.375	2.90		Clay	95.2			12.21	1.01	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
23.950	13.306	0.259	2943.8	2073.3	11.416	2.189	2.87		Clay	92.8			12.58	1.01	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.114	13.651	0.266	2964.3	2083.5	11.681	2.186	2.86		Clay	92.1			12.90	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.278	14.010	0.272	2984.8	2093.8	11.957	2.173	2.85		Clay	91.4			13.24	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.442	14.899	0.355	3005.3	2104.1	12.734	2.650	2.88		Clay	93.4			14.08	1.00	n.a.	n.a.	0.91	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.606	16.367	0.408	3025.8	2114.3	14.051	2.747	2.85		Clay	91.3			15.47	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.770	17.405	0.491	3046.3	2124.6	14.950	3.092	2.86		Clay	92.0			16.45	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
24.934	17.441	0.463	3066.8	2134.9	14.903	2.911	2.85		Clay	90.8			16.48	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.098	17.041	0.489	3087.3	2145.1	14.449	3.155	2.88		Clay	93.4			16.11	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.262	16.977	0.515	3107.8	2155.4	14.311	3.339	2.90		Clay	94.8			16.05	1.00	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.427	19.143	0.520	3128.4	2165.7	16.234	2.958	2.82		Clay	88.8			18.09	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.591	20.502	0.395	3148.9	2176.0	17.397	2.087	2.71		Clay	79.8			19.38	0.99	n.a.	n.a.	0.91	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.755	20.250	0.323	3169.4	2186.3	17.075	1.730	2.67		Clay	76.7			19.14	0.99	n.a.	n.a.	0.90	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
25.919	17.960	0.335	3189.9	2196.5	14.901	2.047	2.76		Clay	83.8			16.98	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.083	16.239	0.274	3210.4	2206.8	13.262	1.872	2.78		Clay	85.5			15.35	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.247	15.485	0.243	3230.9	2217.1	12.512	1.752	2.79		Clay	86.0			14.64	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.411	14.546	0.245	3251.4	2227.3	11.602	1.896	2.83		Clay	89.7			13.75	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.575	13.505	0.247	3271.9	2237.6	10.609	2.081	2.89		Clay	94.0			12.76	0.99	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.739	12.810	0.250	3292.4	2247.9	9.933	2.239	2.93		Clay	97.3			12.11	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
26.903	12.208	0.256	3312.9	2258.1	9.345	2.426	2.97		Clay	100.0			11.54	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.067	11.793	0.254	3333.4	2268.4	8.928	2.508	2.99		Clay	100.0			11.15	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-4

PGA (A_{max})	0.76

Total Settlement:	3.31	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{H1})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
27.231	11.537	0.271	3353.9	2278.7	8.654	2.748	3.03		Clay	100.0			10.90	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.395	11.404	0.278	3374.4	2288.9	8.490	2.861	3.04		Clay	100.0			10.78	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.559	11.260	0.271	3394.9	2299.2	8.318	2.834	3.05		Clay	100.0			10.64	0.98	n.a.	n.a.	0.90	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.723	11.217	0.268	3415.4	2309.5	8.235	2.818	3.05		Clay	100.0			10.60	0.98	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
27.887	11.288	0.264	3435.9	2319.7	8.251	2.759	3.05		Clay	100.0			10.67	0.98	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.051	11.482	0.254	3456.4	2330.0	8.372	2.604	3.03		Clay	100.0			10.85	0.97	n.a.	n.a.	0.89	0.752	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.215	11.848	0.214	3476.9	2340.3	8.640	2.117	2.97		Clay	100.0			11.20	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.379	12.729	0.174	3497.4	2350.5	9.343	1.585	2.87		Clay	93.0			12.03	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.543	13.498	0.165	3517.9	2360.8	9.945	1.406	2.83		Clay	89.0			12.76	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.707	13.630	0.160	3538.4	2371.1	10.005	1.349	2.81		Clay	88.2			12.88	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
28.871	12.870	0.158	3558.9	2381.3	9.315	1.425	2.85		Clay	91.3			12.16	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.035	12.184	0.162	3579.4	2391.6	8.692	1.559	2.90		Clay	94.9			11.52	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.199	11.875	0.167	3599.9	2401.9	8.389	1.658	2.92		Clay	97.0			11.22	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.364	11.620	0.175	3620.5	2412.2	8.133	1.784	2.95		Clay	99.2			10.98	0.97	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.528	11.291	0.184	3641.0	2422.5	7.819	1.943	2.99		Clay	100.0			10.67	0.96	n.a.	n.a.	0.89	0.751	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.692	10.897	0.197	3661.5	2432.7	7.454	2.173	3.03		Clay	100.0			10.30	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
29.856	10.872	0.196	3682.0	2443.0	7.393	2.170	3.03		Clay	100.0			10.28	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.020	10.972	0.209	3702.5	2453.3	7.436	2.291	3.04		Clay	100.0			10.37	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.184	11.198	0.216	3723.0	2463.5	7.580	2.314	3.04		Clay	100.0			10.58	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.348	11.284	0.234	3743.5	2473.8	7.610	2.486	3.05		Clay	100.0			10.67	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.512	11.460	0.260	3764.0	2484.1	7.712	2.715	3.07		Clay	100.0			10.83	0.96	n.a.	n.a.	0.88	0.750	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.676	11.617	0.295	3784.5	2494.3	7.798	3.033	3.09		Clay	100.0			10.98	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
30.840	11.807	0.324	3805.0	2504.6	7.909	3.271	3.10		Clay	100.0			11.16	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.004	11.971	0.323	3825.5	2514.9	7.999	3.211	3.09		Clay	100.0			11.31	0.96	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.168	12.248	0.321	3846.0	2525.1	8.178	3.109	3.08		Clay	100.0			11.58	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.332	12.664	0.310	3866.5	2535.4	8.465	2.889	3.05		Clay	100.0			11.97	0.95	n.a.	n.a.	0.88	0.749	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.496	12.894	0.312	3887.0	2545.6	8.603	2.849	3.04		Clay	100.0			12.19	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.660	13.315	0.314	3907.5	2555.9	8.890	2.764	3.02		Clay	100.0			12.59	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.824	14.662	0.330	3928.0	2566.2	9.896	2.599	2.97		Clay	100.0			13.86	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
31.988	14.866	0.289	3948.5	2576.4	10.007	2.242	2.93		Clay	97.1			14.05	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.152	14.260	0.214	3969.0	2586.7	9.491	1.743	2.89		Clay	94.2			13.48	0.95	n.a.	n.a.	0.87	0.748	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.316	12.502	0.179	3989.5	2597.0	8.092	1.704	2.94		Clay	98.6			11.82	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.480	12.284	0.149	4010.0	2607.2	7.885	1.450	2.92		Clay	96.6			11.61	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.644	12.932	0.149	4030.5	2617.5	8.341	1.365	2.89		Clay	93.9			12.22	0.95	n.a.	n.a.	0.87	0.747	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.808	14.523	0.149	4051.0	2627.8	9.512	1.192	2.81		Clay	87.7			13.73	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
32.972	15.799	0.169	4071.5	2638.0	10.434	1.228	2.78		Clay	85.3			14.93	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.136	16.421	0.166	4092.0	2648.3	10.856	1.155	2.75		Clay	83.1			15.52	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.301	15.996	0.191	4112.6	2658.6	10.486	1.370	2.80		Clay	87.0			15.12	0.94	n.a.	n.a.	0.87	0.746	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.465	15.887	0.222	4133.1	2668.9	10.357	1.606	2.84		Clay	90.1			15.02	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.629	16.480	0.228	4153.6	2679.2	10.752	1.583	2.82		Clay	88.7			15.58	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.793	20.124	0.273	4174.1	2689.4	13.413	1.514	2.73		Clay	81.3			19.02	0.94	n.a.	n.a.	0.86	0.745	n.a.	n.a.	n.a.	n.a.	0.00	0.00
33.957	28.201	0.314	4194.6	2699.7	21.843	1.203	2.50		Sand	62.7	37.06	1.8	66.71	0.90	59.85	126.12	0.86	0.744	0.968	0.186	0.259	0.35	0.03	0.05
34.121	36.347	0.422	4215.1	2710.0	28.597	1.232	2.40		Sand	55.2	37.06	1.8	66.71	0.89	59.68	123.56	0.86	0.744	0.968	0.180	0.246	0.33	0.03	0.05
34.285	39.210	0.541	4235.6	2720.2	30.921	1.459	2.42		Sand	56.2		1.8	66.71	0.89	59.59	123.80	0.86	0.744	0.968	0.180	0.247	0.33	0.03	0.05
34.449	35.036	0.698	4256.1	2730.5	27.381	2.121	2.55		Sand	67.3	37.06	1.8	66.71	0.89	59.57	126.94	0.86	0.744	0.966	0.188	0.262	0.35	0.02	0.05
34.613	28.573	0.740	4276.6	2740.8	19.290	2.799	2.75		Clay	82.8			27.01	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.777	24.249	0.614	4297.1	2751.0	16.067	2.778	2.81		Clay	87.8			22.92	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
34.941	22.924	0.497	4317.6	2761.3	15.040	2.393	2.80		Clay	86.6			21.67	0.93	n.a.	n.a.	0.86	0.743	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.105	24.160	0.533	4338.1	2771.6	15.869	2.424	2.78		Clay	85.3			22.84	0.93	n.a.	n.a.	0.86	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.269	29.262	0.569	4358.6	2781.8	19.471	2.101	2.67		Clay	76.7			27.66	0.93	n.a.	n.a.	0.85	0.742	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.433	33.365	0.748	4379.1	2792.1	22.331	2.399	2.66		Clay	75.6			31.54	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.597	37.117	0.965	4399.6	2802.4	24.920	2.764	2.66		Clay	75.6			35.08	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.761	38.864	1.057	4420.1	2812.6	26.064	2.884	2.65		Clay	75.3			36.73	0.93	n.a.	n.a.	0.85	0.741	n.a.	n.a.	n.a.	n.a.	0.00	0.00
35.925	40.243	1.065	4440.6	2822.9	26.939	2.801	2.63		Clay	73.8			38.04	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.089	39.739	1.185	4461.1	2833.2	26.478	3.159	2.67		Clay	76.9			37.56	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.253	35.974	1.216	4481.6	2843.4	23.727	3.605	2.75		Clay	82.7			34.00	0.93	n.a.	n.a.	0.85	0.740	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.417	31.982	1.106	4502.1	2853.7	20.837	3.720	2.80		Clay	86.9			30.23	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.581	28.624	0.875	4522.6	2864.0	18.410	3.319	2.81		Clay	87.8			27.05	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.745	26.996	0.824	4543.1	2874.2	17.204	3.333	2.83		Clay	89.7			25.52	0.92	n.a.	n.a.	0.85	0.739	n.a.	n.a.	n.a.	n.a.	0.00	0.00
36.909	25.202	0.803	4563.6	2884.5	15.892	3.503	2.87		Clay	92.9			23.82	0.92	n.a.	n.a.	0.85	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.073	23.280	0.814	4584.1	2894.8	14.501	3.878	2.93		Clay	97.6			22.00	0.92	n.a.	n.a.	0.84	0.738	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.238	20.887	0.825	4604.8	2905.1	12.794	4.439	3.01		Clay	100.0			19.74	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.402	18.898	0.789	4625.3	2915.4	11.378	4.757	3.07		Clay	100.0			17.86	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.566	17.371	0.667	4645.8	2925.6	10.287	4.432	3.09		Clay	100.0			16.42	0.92	n.a.	n.a.	0.84	0.737	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.730	15.775	0.589	4666.3	2935.9	9.157	4.382	3.12		Clay	100.0			14.91	0.92	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
37.894	14.910	0.489	4686.8	2946.2	8.531	3.891	3.12		Clay	100.0			14.09	0.92	n.a.	n.a.	0.84	0.736	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.058	14.692	0.472	4707.3	2956.4	8.347	3.825	3.12		Clay	100.0			13.89	0.92	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-4

PGA (A_{max})	0.76

Total Settlement:	3.31	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_{HL})	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	CRR$_{M=7.5,\ \sigma'vc\ =\ 1\ atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
38.222	16.115	0.455	4727.8	2966.7	9.270	3.309	3.05		Clay	100.0			15.23	0.91	n.a.	n.a.	0.84	0.735	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.386	16.284	0.356	4748.3	2977.0	9.345	2.559	2.98		Clay	100.0			15.39	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.550	15.076	0.219	4768.8	2987.2	8.497	1.726	2.93		Clay	97.3			14.25	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.714	12.797	0.188	4789.3	2997.5	6.941	1.807	3.02		Clay	100.0			12.10	0.91	n.a.	n.a.	0.84	0.734	n.a.	n.a.	n.a.	n.a.	0.00	0.00
38.878	11.691	0.159	4809.8	3007.8	6.175	1.712	3.05		Clay	100.0			11.05	0.91	n.a.	n.a.	0.84	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.042	11.874	0.156	4830.3	3018.0	6.268	1.649	3.03		Clay	100.0			11.22	0.91	n.a.	n.a.	0.83	0.733	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.206	12.355	0.153	4850.8	3028.3	6.558	1.541	3.00		Clay	100.0			11.68	0.91	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.370	13.379	0.151	4871.3	3038.6	7.203	1.380	2.95		Clay	98.6			12.65	0.91	n.a.	n.a.	0.83	0.732	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.534	14.672	0.154	4891.8	3048.8	8.020	1.260	2.89		Clay	93.8			13.87	0.91	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.698	15.099	0.156	4912.3	3059.1	8.266	1.234	2.87		Clay	92.6			14.27	0.91	n.a.	n.a.	0.83	0.731	n.a.	n.a.	n.a.	n.a.	0.00	0.00
39.862	14.764	0.207	4932.8	3069.4	8.013	1.683	2.95		Clay	98.7			13.95	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.026	14.450	0.228	4953.3	3079.6	7.776	1.904	2.98		Clay	100.0			13.66	0.91	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.190	15.005	0.276	4973.8	3089.9	8.103	2.205	3.00		Clay	100.0			14.18	0.90	n.a.	n.a.	0.83	0.730	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.354	15.307	0.319	4994.3	3100.2	8.264	2.490	3.02		Clay	100.0			14.47	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.518	15.238	0.358	5014.8	3110.4	8.186	2.812	3.05		Clay	100.0			14.40	0.90	n.a.	n.a.	0.83	0.729	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.682	14.375	0.380	5035.3	3120.7	7.599	3.205	3.11		Clay	100.0			13.59	0.90	n.a.	n.a.	0.83	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
40.846	13.910	0.330	5055.8	3131.0	7.271	2.899	3.10		Clay	100.0			13.15	0.90	n.a.	n.a.	0.82	0.728	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.010	13.517	0.259	5076.3	3141.2	6.990	2.359	3.07		Clay	100.0			12.78	0.90	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.175	13.451	0.223	5096.9	3151.6	6.919	2.045	3.04		Clay	100.0			12.71	0.90	n.a.	n.a.	0.82	0.727	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.339	13.480	0.187	5117.4	3161.8	6.908	1.712	3.01		Clay	100.0			12.74	0.90	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.503	13.782	0.186	5137.9	3172.1	7.070	1.659	2.99		Clay	100.0			13.03	0.90	n.a.	n.a.	0.82	0.726	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.667	14.503	0.205	5158.4	3182.4	7.494	1.719	2.98		Clay	100.0			13.71	0.90	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.831	14.657	0.171	5178.9	3192.6	7.560	1.417	2.93		Clay	97.6			13.85	0.90	n.a.	n.a.	0.82	0.725	n.a.	n.a.	n.a.	n.a.	0.00	0.00
41.995	14.110	0.152	5199.4	3202.9	7.187	1.321	2.94		Clay	98.0			13.34	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.159	13.349	0.143	5219.9	3213.2	6.684	1.332	2.97		Clay	100.0			12.62	0.90	n.a.	n.a.	0.82	0.724	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.323	13.190	0.134	5240.4	3223.4	6.558	1.268	2.96		Clay	100.0			12.47	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.487	14.576	0.146	5260.9	3233.7	7.388	1.222	2.91		Clay	95.9			13.78	0.89	n.a.	n.a.	0.82	0.723	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.651	16.110	0.209	5281.4	3244.0	8.304	1.552	2.91		Clay	96.2			15.23	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.815	21.387	0.272	5301.9	3254.2	11.515	1.452	2.78		Clay	85.2			20.21	0.89	n.a.	n.a.	0.81	0.722	n.a.	n.a.	n.a.	n.a.	0.00	0.00
42.979	27.488	0.488	5322.4	3264.5	15.210	1.966	2.74		Clay	82.5			25.98	0.89	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.143	37.545	0.767	5342.9	3274.8	21.298	2.199	2.65		Clay	75.1			35.49	0.89	n.a.	n.a.	0.81	0.721	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.307	49.073	1.358	5363.4	3285.0	28.244	2.927	2.63		Clay	73.5			46.38	0.89	n.a.	n.a.	0.81	0.720	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.471	58.863	1.770	5383.9	3295.3	42.544	3.151	2.52		Sand	64.5		1.8	100.14	0.84	84.24	157.95	0.81	0.720	0.924	0.351	0.573	0.80	0.01	0.03
43.635	61.974	2.157	5404.4	3305.6	35.862	3.639	2.62		Clay	72.2			58.58	0.89	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.799	59.255	2.151	5424.9	3315.8	34.105	3.804	2.64		Clay	74.6			56.01	0.89	n.a.	n.a.	0.81	0.719	n.a.	n.a.	n.a.	n.a.	0.00	0.00
43.963	59.053	2.279	5445.4	3326.1	33.872	4.046	2.66		Clay	76.2			55.82	0.89	n.a.	n.a.	0.81	0.718	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.127	64.079	1.947	5465.9	3336.4	46.177	3.174	2.49		Sand	62.6		1.8	109.02	0.84	91.86	167.17	0.81	0.718	0.915	0.459	0.795	1.11	0.01	0.01
44.291	63.689	1.300	5486.4	3346.6	45.805	2.133	2.38		Sand	53.5	60.57	1.8	109.03	0.84	91.52	163.40	0.81	0.717	0.917	0.409	0.690	0.96	0.01	0.02
44.455	53.223	0.723	5506.9	3356.9	37.873	1.433	2.34		Sand	50.1	60.57	1.8	109.03	0.84	91.29	161.54	0.80	0.716	0.918	0.388	0.645	0.90	0.01	0.02
44.619	38.479	0.663	5527.4	3367.1	21.214	1.856	2.61		Clay	71.8			36.37	0.88	n.a.	n.a.	0.80	0.716	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.783	28.397	0.592	5547.9	3377.4	15.173	2.310	2.78		Clay	85.7			26.84	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
44.948	25.571	0.578	5568.5	3387.7	13.452	2.537	2.85		Clay	91.0			24.17	0.88	n.a.	n.a.	0.80	0.715	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.112	25.507	0.685	5589.0	3398.0	13.368	3.016	2.90		Clay	94.6			24.11	0.88	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.276	27.749	0.791	5609.5	3408.3	14.637	3.171	2.88		Clay	93.1			26.23	0.88	n.a.	n.a.	0.80	0.714	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.440	34.281	1.328	5630.0	3418.5	18.409	4.220	2.88		Clay	93.0			32.40	0.88	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.604	41.515	1.725	5650.5	3428.8	22.567	4.459	2.82		Clay	88.9			39.24	0.88	n.a.	n.a.	0.80	0.713	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.768	44.003	1.476	5671.0	3439.1	23.941	3.585	2.74		Clay	82.4			41.59	0.88	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
45.932	42.892	1.404	5691.5	3449.3	23.220	3.506	2.75		Clay	82.7			40.54	0.88	n.a.	n.a.	0.80	0.712	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.096	40.624	1.421	5712.0	3459.6	21.834	3.762	2.79		Clay	85.9			38.40	0.88	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.260	48.656	1.348	5732.5	3469.9	26.393	2.944	2.65		Clay	75.4			45.99	0.88	n.a.	n.a.	0.80	0.711	n.a.	n.a.	n.a.	n.a.	0.00	0.00
46.424	59.935	1.452	5753.0	3480.1	42.053	2.545	2.46		Sand	59.8	64.52	1.8	116.14	0.83	96.69	172.45	0.79	0.710	0.902	0.547	0.973	1.37	0.00	0.00
46.588	68.259	1.555	5773.5	3490.4	48.109	2.379	2.40		Sand	54.7		1.8	116.13	0.83	96.42	170.16	0.79	0.709	0.904	0.506	0.885	1.25	0.00	0.01
46.752	64.046	1.787	5794.0	3500.7	44.935	2.922	2.48		Sand	61.3	64.52	1.8	116.14	0.83	96.51	172.72	0.79	0.709	0.901	0.553	0.983	1.39	0.00	0.00
46.916	53.041	1.959	5814.5	3510.9	28.559	3.908	2.71		Clay	79.7			50.13	0.87	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.080	44.804	1.568	5835.0	3521.2	23.791	3.743	2.76		Clay	83.5			42.35	0.87	n.a.	n.a.	0.79	0.708	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.244	39.661	1.377	5855.5	3531.5	20.803	3.749	2.80		Clay	87.1			37.49	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.408	34.298	1.012	5876.0	3541.7	17.709	3.227	2.82		Clay	88.2			32.42	0.87	n.a.	n.a.	0.79	0.707	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.572	26.002	0.780	5896.5	3552.0	12.981	3.383	2.94		Clay	97.8			24.58	0.87	n.a.	n.a.	0.79	0.706	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.736	20.312	0.697	5917.0	3562.3	9.743	4.016	3.08		Clay	100.0			19.20	0.87	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
47.900	17.845	0.489	5937.5	3572.5	8.328	3.287	3.08		Clay	100.0			16.87	0.87	n.a.	n.a.	0.79	0.705	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.064	17.698	0.482	5958.0	3582.8	8.216	3.275	3.09		Clay	100.0			16.73	0.87	n.a.	n.a.	0.79	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.228	17.711	0.487	5978.5	3593.1	8.195	3.308	3.09		Clay	100.0			16.74	0.87	n.a.	n.a.	0.78	0.704	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.392	17.708	0.492	5999.0	3603.3	8.164	3.345	3.10		Clay	100.0			16.74	0.87	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.556	17.554	0.497	6019.5	3613.6	8.050	3.417	3.11		Clay	100.0			16.59	0.87	n.a.	n.a.	0.78	0.703	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.720	17.609	0.599	6040.0	3623.9	8.052	4.106	3.15		Clay	100.0			16.64	0.87	n.a.	n.a.	0.78	0.702	n.a.	n.a.	n.a.	n.a.	0.00	0.00
48.885	17.725	0.642	6060.6	3634.2	8.087	4.369	3.17		Clay	100.0			16.75	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.049	18.029	0.554	6081.1	3644.5	8.225	3.696	3.12		Clay	100.0			17.04	0.87	n.a.	n.a.	0.78	0.701	n.a.	n.a.	n.a.	n.a.	0.00	0.00

CORNERSTONE EARTH GROUP

CPT No.	K-4

PGA (A_{max})	0.76

Total Settlement:	3.31	(Inches)

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Depth (ft)	q_c (tsf)	f_s (tsf)	S_{vc} (psf)	Insitu S'_{vc} (psf)	Q	F (%)	I_c	Layer "Plastic" PI > 7	Flag Soil Type	Fines (%)	q_{cN} near interfaces (soft layer)	Thin Layer Factor (K_H)	Interpreted q_{cN}	C_N	q_{c1N}	q_{c1N-CS}	Stress Reduction Coeff, r_d	CSR	K_σ for Sand	$CRR_{M=7.5, \sigma'vc = 1 atm}$	CRR	Factor of Safety (CRR/CSR)	Vertical Strain ε_v	Settlement (Inches)
49.213	18.271	0.549	6101.6	3654.7	8.329	3.607	3.11		Clay	100.0			17.27	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.377	19.269	0.615	6122.1	3665.0	8.845	3.794	3.10		Clay	100.0			18.21	0.87	n.a.	n.a.	0.78	0.700	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.541	22.438	0.682	6142.6	3675.3	10.539	3.522	3.02		Clay	100.0			21.21	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.705	24.876	0.891	6163.1	3685.5	11.827	4.088	3.02		Clay	100.0			23.51	0.86	n.a.	n.a.	0.78	0.699	n.a.	n.a.	n.a.	n.a.	0.00	0.00
49.869	25.010	0.965	6183.6	3695.8	11.861	4.403	3.04		Clay	100.0			23.64	0.86	n.a.	n.a.	0.78	0.698	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.033	21.925	0.969	6204.1	3706.1	10.158	5.148	3.13		Clay	100.0			20.72	0.86	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00
50.197	19.502	0.979	6224.6	3716.3	8.820	5.973	3.22		Clay	100.0			18.43	0.86	n.a.	n.a.	0.77	0.697	n.a.	n.a.	n.a.	n.a.	0.00	0.00

Phase I
Environmental Site Assessment Report

6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

April 30, 2024

Prepared by:



Laura Mosqueda
Staff Geologist

Reviewed by:



Scott Allin, R.E.P.A.
Principal Environmental Scientist

For:
Prologis, L.P.
Pier 1, Bay 1
San Francisco, California 94111

Submitted by:
Farallon Consulting, L.L.C.
330 Franklin Street, Suite 200
Oakland, California 94607

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Figure 1 *Subject Property Vicinity Map*

Figure 2 *Subject Property Plan*

APPENDICES

Appendix A Professional Qualifications

Appendix B Subject Property Photographs

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ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as established in Part 312.10 of Title 40 of the Code of Federal Regulations (40 CFR 312.10) and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.



Name Scott Allin, R.E.P.A.
Title Principal Environmental Scientist

EXECUTIVE SUMMARY

Farallon Consulting, L.L.C. (Farallon) has prepared this Phase I Environmental Site Assessment (ESA) Report for the 6756 and 6792 Central Avenue property in Newark, California (herein referred to as the Subject Property). The Phase I ESA was conducted by Laura Mosqueda and was reviewed and approved by Scott Allin. The Phase I ESA Report was prepared for Prologis, L.P. and its subsidiaries, affiliates, related parties (specifically including any 1031 exchange entities), successors, and assigns ("Prologis") (User) in general conformance with the scope and limitations of the following: 1) ASTM International Standard E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-21) (and any and all subsequent amendments thereto); 2) the U.S. Environmental Protection Agency standards for All Appropriate Inquiries; and 3) the Master Services Agreement between Prologis and Farallon dated August 4, 2011, revised December 27, 2022 (Authorization). There were no deviations from ASTM E1527-21 during this Phase I ESA.

The Subject Property consists of Alameda County Parcel Nos. 92A-2165-14 (2.03 acres), 92A-2165-15 (8.18 acres), 92A-2165-16 (2.79 acres), and 92A-2165-17 (4.23 acres), which total approximately 17.23 acres of land according to the Alameda County Assessor. The northwestern portion of the Subject Property is developed with a rectangular industrial building completed in the early 1980s using the address 6792 Central Avenue. The remainder of the Subject Property consists of vegetated yard areas, former building concrete foundations, and crushed concrete and soil piles from former building demolition activities. Access to the Site is gained from Central Avenue, west of the Subject Property. At the time of the site reconnaissance, the Subject Property was vacant with minor hazardous material storage.

Historically, the Subject Property was undeveloped land until developed with various commercial-industrial buildings between 1954 and 1987. The buildings were occupied for various commercial-industrial occupants prior to demolition between 2000 and 2023.

Two 1,000-gallon underground storage tanks (USTs) containing bunker fuel and gasoline, respectively, and one 20,000-gallon diesel aboveground storage tank (AST) and associated fuel islands and piping were removed from the Subject Property between 1991 and 1993. A soil and groundwater investigation was conducted in September 1999 to determine the

extent of petroleum hydrocarbon contamination from the 20,000-gallon diesel AST and to assess the 1,000-gallon gasoline UST area. Based on the results of the investigation, an excavation was conducted north of the former AST in June 2000 and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Site. Confirmation samples collected at the conclusion of the excavation did not contain detectable concentrations of petroleum hydrocarbons, and the tanks were issued case closure in 2000. The former ASTs and USTs at the Site that have received regulatory closure represent a historical recognized environmental condition in connection with the Subject Property.

The Subject Property was historically used by tenants for industrial purposes, and numerous previous environmental studies were performed that suggested chemical releases had occurred at the Subject Property. The potential for surrounding property use to have contributed to the residual chemical impact to groundwater beneath the Subject Property was also identified. The Subject Property owner is currently pursuing regulatory closure under the oversight of the Alameda County Water District. Based on Farallon's review of previous environmental studies, releases related to historical use of the Subject Property represent a recognized environmental condition in connection with the Subject Property. Available information suggests the releases will be issued regulatory closure in the near future, at which time the releases will represent a controlled recognized environmental condition in connection with the Subject Property that will require future management during subsurface improvements.

Adjoining properties at the time of the site reconnaissance included Mission Linen and Uniform Service to the northeast; a railroad spur, beyond which was Pabco Gypsum (a gypsum wallboard manufacturer since the early 1970s) to the east; a railroad track, beyond which was Cargill/Morton Salt Company to the south; and Central Avenue, beyond which were Mattheson Tri-Gas, HB Fuller, and multiple commercial and light industrial facilities to the west.

The Environmental Risk Information Services (ERIS) *Database Report* dated April 5, 2024, prepared for the Subject Property (ERIS Report), identified the Subject Property and numerous adjoining properties in several databases. Previous environmental studies were performed on the Subject Property to investigate these listings.

During the site reconnaissance, Farallon observed de minimis petroleum staining throughout the Subject Property that appeared to be from parked vehicles on the Subject

Property. De minimis staining was also observed proximate to a hydraulic oil drum on the southeastern portion of the Subject Property.

Based on review of the Subject Property history, interviews with persons knowledgeable about the Subject Property, reconnaissance of the Subject Property, and review of the ERIS Report, this Phase I ESA identified the following recognized environmental condition in connection with the Subject Property:

- The known chemical releases to soil and groundwater from historical use that are currently being evaluated for regulatory closure.

1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Phase I Environmental Site Assessment (ESA) Report for the property at 6756 and 6792 Central Avenue in Newark, California (herein referred to as the Subject Property) (Figure 1). This section discusses the project authorization and scope of work, the qualifications of the Environmental Professional who conducted and reviewed the Phase I ESA work, the project purpose and objective, the shelf life of records per the All Appropriate Inquiries (AAI) Final Rule established in Part 312.10 of Title 40 of the Code of Federal Regulations (40 CFR 312.10), deviations, and data gaps.

1.1 PROJECT AUTHORIZATION AND SCOPE OF WORK

This Phase I ESA Report was prepared for Prologis, L.P., and its subsidiaries, affiliates, related parties (specifically including any 1031 exchange entities), successors, and assigns ("Prologis") (Client and User) in accordance with the Proposal for Phase I Environmental Site Assessment, 6756 and 6792 Central Avenue, Newark, California dated April 3, 2024, from Scott Allin of Farallon to Gavin Polite Fisco of Prologis; and the Master Services Agreement between Prologis and Farallon dated August 4, 2011, revised December 27, 2022 (Authorization). The scope of work for this Phase I ESA included a records review, literature research and review, a site reconnaissance, interviews with individuals familiar with the Subject Property, interviews with local governmental officials, and preparation of this report. The scope of work is consistent with ASTM International Standard E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-21).

1.2 PROFESSIONAL QUALIFICATIONS

The Phase I ESA was conducted by Laura Mosqueda and was reviewed and approved by Scott Allin. Scott Allin has an understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions, and the ability to develop opinions regarding conditions indicative of a release or a threatened release of hazardous substances and petroleum products. AAI has been performed in conformance with the standards and practices set forth in 40 CFR 312.10. The professional qualifications of the Environmental Professional are provided in Appendix A.

1.3 PROJECT PURPOSE AND OBJECTIVE

The purpose of the Phase I ESA was to identify, as practicable, recognized environmental conditions at the Subject Property and within the appropriate study area that have caused and/or may cause an adverse environmental impact. ASTM E1527-21 is intended to permit a user to satisfy one of the requirements to qualify for protection from potential liability under the Comprehensive Environmental Response, Compensation, and Liability Act as the innocent landowner, contiguous property owner, or bona fide prospective purchaser. ASTM E1527-21 constitutes "all appropriate inquiry" into the previous ownership, uses, and environmental conditions of a property consistent with good commercial or customary practice, as defined in Section 9601(35)(B) of Title 42 of the U.S. Code.

The objective of the Phase I ESA was to perform an appropriate inquiry into past and present ownership and uses of the Subject Property, consistent with good commercial and/or customary practice. This Phase I ESA Report is to be used as a risk management tool to meet AAI Final Rule requirements and the Comprehensive Environmental Response, Compensation, and Liability Act liability defense. The Phase I ESA does not guarantee that there are no impacts to the Subject Property.

For the purpose of this Phase I ESA Report, the term "recognized environmental condition" is defined as (1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition.

The term "controlled recognized environmental condition" is defined as a recognized environmental condition affecting the Subject Property that has been addressed to the satisfaction of the applicable regulatory authority or authorities, with hazardous substances or petroleum products allowed to remain in-place subject to implementation of required controls.

The term "historical recognized environmental condition" is defined as a previous release of hazardous substances or petroleum products affecting the Subject Property that has been

addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the Subject Property to any controls (e.g., activity and use limitations or other property use limitations). A historical recognized environmental condition is not a recognized environmental condition.

1.4 SHELF LIFE OF ALL APPROPRIATE INQUIRIES RECORDS

The AAI Final Rule prepared by the U.S. Environmental Protection Agency (EPA)[1] specifies that AAI must be conducted within 1 year prior to the date of acquisition of the Subject Property. EPA has defined the date of acquisition as the date a person acquires title to the property. To ensure full coverage under the AAI Final Rule, a valid Phase I ESA Report must be completed within 1 year prior to the date of acquisition of title.

The following Phase I ESA Report components and supporting information sources must be updated if they were completed more than 6 months (180 days) prior to acquisition of title. The Phase I ESA components with a 180-day shelf life consist of:

- Site reconnaissance;
- Site interview(s);
- User-provided information;
- Review of government regulatory records; and
- Declaration/signature of certifying Environmental Professional.

The date on the cover of this Phase I ESA Report is the production date of the written report. The dates various components of this Phase I ESA were completed are as follows:

- Site reconnaissance: April 12, 2024.
- Subject Property interview: April 24, 2023.
- User-provided information: April 3, 2024.
- Review of government regulatory records: April 5, 2024.
- Declaration/signature of certifying Environmental Professional: April 30, 2024.

[1] Part 312 of Subchapter J of Chapter I of Title 40 of the Code of Federal Regulations.

1.5 DEVIATIONS

There were no deviations from ASTM E1527-21 during this Phase I ESA.

1.6 DATA GAPS

Data gaps may affect the ability to identify recognized environmental conditions and Farallon's ability to render opinions and conclusions for presentation in the Phase I ESA Report. Farallon did not identify significant data gaps during this Phase I ESA.

2.0 SUBJECT PROPERTY OVERVIEW

This section presents the Subject Property location, description, and operations. A description of adjoining and surrounding land use is also provided.

2.1 SUBJECT PROPERTY LOCATION

The Subject Property is east of the intersection of Central Avenue and Sycamore Street, at 6756 and 6792 Central Avenue in Newark, Alameda County, California. The Subject Property is in a commercial and industrial area approximately 1 mile south of downtown Newark. The nearest residential community is located approximately 0.20 miles north of the Subject Property. The Subject Property vicinity is shown on Figure 1.

2.2 SUBJECT PROPERTY DESCRIPTION

The Subject Property consists of Alameda County Parcel Nos. 92A-2165-14 (2.03 acres), 92A-2165-15 (8.18 acres), 92A-2165-16 (2.79 acres), and 92A-2165-17 (4.23 acres), which total approximately 17.23 acres of land according to the Alameda County Assessor. The northwestern portion of the Subject Property is developed with a rectangular industrial building completed in the early 1980s using the address 6792 Central Avenue. The remainder of the Subject Property consists of vegetated yard areas, former building and tank concrete foundations, and crushed concrete and soil piles from former building demolition activities. Access to the Subject Property is gained from Central Avenue, west of the Subject Property.

Figure 2 presents a plan map of the Subject Property. Additional details pertaining to the Subject Property are provided in Section 4.5, Previous Environmental Studies, and Section 9, Site Reconnaissance. Subject Property photographs are presented in Appendix B.

2.3 SUBJECT PROPERTY OPERATIONS

At the time of the site reconnaissance, the Subject Property building was vacant. The most recent tenants at the Subject Property and their operations are identified below:

- **6756 Central Avenue:** Former buildings on the north-central and northeastern portions of the Subject Property were previously occupied by Auto Expo, Bay Area Grinding, Set Right Tile, Tri-City Marble, Gonzalez Pools, and other tenants for office, showroom, and equipment storage.

- **6792 Central Avenue:** The large industrial building at 6792 Central Avenue and the western portion of the Subject Property were previously occupied by Trench Plate Rental Company for its facility operations, offices, and storage yard.
- **Southern Portion of Subject Property**: The southern portion of the Subject Property was previously occupied by Vision Recycling for landscaping and mulch-recycling operations.
- **Southernmost Building**: The southernmost building was previously occupied by All Good Pallets.

The above tenants vacated the Subject Property between 2020 and 2023 in preparation for commercial redevelopment.

2.4 ADJOINING AND SURROUNDING LAND USE

Adjoining properties at the time of the site reconnaissance included Mission Linen and Uniform Service to the northeast; a railroad spur, beyond which was Pabco Gypsum (a gypsum wallboard manufacturer since the early 1970s) to the east; a railroad track, beyond which was Cargill/Morton Salt Company to the south; and Central Avenue, beyond which were Matheson Tri-Gas, HB Fuller, and multiple commercial and light industrial facilities to the west.

Observations were restricted to areas readily observable from the Subject Property and to public rights-of-way. No evidence of recognized environmental conditions was observed on abutting or nearby properties during the site reconnaissance.

3.0 PHYSICAL SETTING

The topography, geology, and hydrogeology of the Subject Property are described in this section. Farallon's assessment of sensitive receptors in the area is also discussed. Farallon reviewed the following physical setting sources as part of this Phase I ESA:

- U.S. Geological Survey (USGS) topographic map of Newark, California dated 2021.
- The Environmental Risk Information Services (ERIS) *Physical Setting Report* dated April 5, 2024, prepared for the Subject Property (ERIS PSR); and/or
- Documentation of previous environmental studies referenced in Section 4.5, Previous Environmental Studies, and/or documents cited in Section 7, Records Review.

3.1 TOPOGRAPHY

Farallon reviewed the USGS topographic maps for the Subject Property area provided by ERIS. The maps depict the Subject Property at an elevation of approximately 19 feet above mean sea level. Subject Property topography is relatively flat. Regional topography is generally flat, with a slight slope down to the south toward the San Francisco Bay.

3.2 GEOLOGY AND HYDROGEOLOGY

According to the ERIS Physical Setting Report prepared for the Subject Property dated February 28, 2019 (ERIS PSR), surface soil at the Subject Property consists primarily of Pescadero clay loam, which is poorly drained and water movement through soil is restricted. Soils were mapped as Quaternary alluvium and marine deposits.

The Subject Property is located along the southeastern coast of the San Francisco Bay of California, the main water body in Newark. The Subject Property is characterized by Quaternary alluvium and marine deposits. These are composed of sequences of interbedded silts, sands, and clays to depths over 200 feet below grade surface. Alluvial deposits range in age from Pliocene to Holocene.

Shallow groundwater flow direction typically can be estimated by examination of surface topography or by nearby surface water bodies. Based on the topography of the Subject Property and its vicinity, groundwater is expected to flow generally to the south toward the San Francisco Bay. During Farallon's 2019 subsurface investigation of the Subject Property,

groundwater was encountered at depths of 11.0 to 13.0 feet below ground surface. Based on previous groundwater monitoring events, the groundwater flow direction is toward the southwest with a gradient of 0.001 to 0.004 foot per foot.

3.3 OIL AND GAS RECORDS

According to the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources Well Finder online database, there are no permitted oil or gas wells on the Subject Property or adjoining properties.

3.4 SENSITIVE RECEPTORS

Sensitive receptors are areas such as hospitals, schools, day care facilities, and elderly housing or convalescent facilities where occupants are more susceptible to the adverse effects of exposure to toxic chemicals, pesticides, and other pollutants. Extra care must be taken when dealing with contaminants and pollutants proximate to areas recognized as sensitive receptors. Farallon's limited assessment for sensitive receptors on or adjoining the Subject Property consisted of a review of properties where occupants are more susceptible to adverse effects of exposure to toxic chemicals, pesticides, and other pollutants; observation of apparent features such as surface water bodies (e.g., low-lying wet areas, streams, ponds) and residential and recreational areas; and review of readily ascertainable information relating to the presence of private, semiprivate, public, and industrial water-supply wells on or in the vicinity of the Subject Property.

No sensitive receptors were identified on or adjoining the Subject Property at the time of the site reconnaissance. According to the 2019 ERIS PSR, the Subject Property is in an area of minimal flood hazard. The nearest federally designated wetlands were identified approximately 100 feet south of the Subject Property. Two public water supply wells were identified within 1 mile of the Subject Property, one approximately 0.6 miles northeast and one approximately 0.7 miles south of the Subject Property. The water bodies nearest the Subject Property were identified as Plummer Creek approximately 0.25 mile west and the San Francisco Bay approximately 2.5 miles south of the Subject Property.

4.0 USER-PROVIDED INFORMATION

Farallon understands that the User of this report is seeking to follow the standards set forth in ASTM E1527-21 to complete an environmental assessment of the Subject Property. The User has specific responsibilities for fulfilling ASTM E1527-21 requirements to help identify the possibility of recognized environmental conditions in connection with the Subject Property. These responsibilities do not require the technical expertise of an Environmental Professional, and were not performed by Farallon.

To facilitate fulfillment of the ASTM E1527-21 requirements identified below, Farallon provided the User with a copy of the *Phase I Environmental Site Assessment User Questionnaire* (User Questionnaire) to complete. Information from the completed User Questionnaire is summarized below in Sections 4.1 through 4.3. The completed User Questionnaire is provided in Appendix C of this Phase I ESA Report.

4.1 TITLE AND LIEN RECORDS

The User was not aware of environmental liens against the Subject Property.

4.2 EXPERIENCE AND SPECIALIZED KNOWLEDGE

The User has no experience or specialized knowledge regarding the Subject Property.

4.3 COMMONLY KNOWN INFORMATION

The User is not aware of commonly known information that would lead to identification of recognized environmental conditions in connection with the Subject Property.

4.4 PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT USERS

The User will rely on this Phase I ESA Report.

4.5 PREVIOUS ENVIRONMENTAL STUDIES

Farallon was provided with and prepared numerous environmental reports and letters associated with the Subject Property. These documents consist of previous environmental due diligence and subsurface investigations to evaluate historical use of the Subject Property. The Subject Property is currently under a voluntary cleanup agreement with the Alameda County Water District (ACWD) related to limited chemical releases, and is pursuing a regulatory case closure from the regulatory agency. The following primary previous

environmental studies were reviewed during this Phase I ESA and summarize historical conditions and the current regulatory status of those conditions. Text, figures, and tables from select documents are included in Appendix D as referenced.

- The letter regarding Recommendation for Spills, Leaks, Investigation and Cleanup Case Closure of Bay Mirror, 6756 Central Avenue, Newark (Site #20) dated September 14, 2000, from Paul Piraino of the Alameda County Water District (ACWD) to Dr. Lawrence P. Kolb of the California Regional Water Quality Control Board, San Francisco Region (Regional Board) (2000 NFA Letter);
- *Phase II Subsurface Investigation of Bay Mirror, Incorporated, 6792 Central Avenue, Newark, California dated May 8, 2001*, prepared by GaiaTech, Inc. (2001 Phase II Report);
- The letter regarding Confirmation Soil and Groundwater Investigation Report, Former Arch Mirror West Site, 6792 Central Avenue, Newark, California dated November 19, 2007, from Gary R. Mulkey of Compliance & Closure, Inc. to Doug Young of ACWD (2007 Investigation Letter);
- The draft letter regarding ASTM Phase I Environmental Site Assessment, 6756 and 6792 Central Avenue, Newark, California dated October 29, 2012, from Josephine Kimura and Kit Soo and Voytek Bajsarowicz of Haley & Aldrich, Inc. to John W. Greer of Trammell Crow Company (2012 Phase I Report);
- *Phase I Environmental Site Assessment Report, 6756 and 6782 Central Avenue, Newark, California* dated June 12, 2019, prepared by Farallon (2019 Phase I Report);
- The letter regarding Comprehensive Phase II Environmental Site Assessment Findings, 6756 and 6782 Central Avenue, Newark, California dated June 12, 2019, from Gavin Polite Fisco and Scott Allin of Farallon to Jeffrey Dack of Ice Miller (2019 Phase II Report);
- Letter Regarding Data Gap Investigation and Request for Site Closure, 6756 and 6782 Central Avenue, Newark, California dated September 13, 2023, from Scott Allin and Peter Sims of Farallon to Ava Lazor of Alameda County Water District (2023 Data Gap Investigation); and

- *Media Management Plan, 6756 and 6792 Central Avenue, Newark, California*, prepared by Farallon dated December 28, 2023 (2023 Media Management Plan).

According to the 2000 NFA Letter, two 1,000-gallon underground storage tanks (USTs) containing bunker fuel and gasoline, respectively, and one 20,000-gallon diesel aboveground storage tank (AST) and associated fuel islands and piping were removed from the Subject Property between 1991 and 1993. A soil and groundwater investigation was conducted in September 1999 to determine the extent of petroleum hydrocarbon contamination from the 20,000-gallon diesel AST and to assess the 1,000-gallon gasoline UST area. Based on the results of the investigation, an excavation was conducted north of the former AST in June 2000 and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Subject Property. Confirmation samples collected at the conclusion of the excavation did not contain detectable concentrations of petroleum hydrocarbons. The former AST and USTs at the Subject Property that have received regulatory closure represent a historical recognized environmental condition in connection with the Subject Property. The 2000 NFA Letter is provided in Appendix D.

GaiaTech, Inc. conducted a Phase I ESA for 6792 Central Avenue in 2001. Following the Phase I ESA, GaiaTech, Inc. recommended a soil and groundwater investigation be conducted to investigate several potential environmental concerns identified, including the presence of a paint room and associated sumps, a chemical storage area, a debris storage area, and the potential for off-site properties to impact the Subject Property. The 2001 Phase II Report detailed the soil and groundwater investigation performed in 2001. Arsenic and chromium were detected at elevated concentrations; however, the 2001 Phase II Report concluded that the concentrations were within regional background concentrations.

The 2007 Investigation Letter detailed a soil and groundwater investigation conducted at 6792 Central Avenue to determine the extent of contamination associated with the unauthorized removal of a silver treatment system. Concentrations of volatile organic compounds (VOCs) and dissolved metals were detected in samples collected and analyzed during the investigation; however, the 2007 Investigation Report concluded that the VOC impact likely was associated with regional impacts because no VOC concentrations were detected in soil, and that the metals concentrations detected in soil were unlikely to mobilize, were of low solubility, and did not pose a threat to the surrounding area.

The 2012 Phase I Report identified several recognized environmental conditions that had the potential to impact soil and groundwater at the Subject Property, including: current and former industrial operations, metals impact to soil and groundwater, the presence of an unknown AST, chlorinated solvent and petroleum hydrocarbon impacts to groundwater at adjoining facilities, and the former presence of USTs and an AST at the Subject Property. The 2012 Phase I Report recommended a soil and groundwater investigation be conducted at the Subject Property to assess the potential impacts to soil and groundwater.

The 2019 Phase I Report identified the Subject Property occupied by numerous commercial and light industrial tenants, and concluded historical use represented a recognized environmental condition in connection with the Subject Property. At the request of Ice Miller, Farallon performed a Phase II ESA to further assess several potential environmental concerns identified in the 2019 Phase I Report. A copy of the 2019 Phase II Report is included in Appendix D.

The 2019 Phase II ESA included collection of soil and reconnaissance groundwater samples from 25 locations for laboratory analysis. According to the 2019 Phase II Report, releases of total petroleum hydrocarbons as diesel-range organics (DRO) and as oil-range organics (ORO) from historical operations had occurred at several locations throughout the Subject Property. Soil sources for the impact to groundwater were not identified; however, the concentration gradient in groundwater across the Subject Property suggested soil sources exist on the Subject Property. The 2019 Phase II Report also identified the potential for contribution to the identified impact to groundwater by surrounding property releases. Volatile constituents associated with petroleum hydrocarbons were not detected at concentrations exceeding the laboratory reporting limits in groundwater samples.

Between 2020 and 2023, Farallon performed numerous investigations that included installation of eight monitoring wells on the Subject Property and collection of numerous samples over time from the monitoring wells for laboratory analysis, and installation of three temporary monitoring wells on the down-gradient Cargill Salt property to evaluate groundwater quality down-gradient of the Subject Property. The comprehensive findings from these investigations are summarized in the 2023 Data Gap Investigation report, a copy

of which is included in Appendix D. The 2023 Data Gap Investigation report concluded the following:

- The concentrations of constituents of concern in groundwater beneath the Subject Property are less than applicable regulatory standards;
- Shallow groundwater beneath the Subject Property is not considered potable, and no migration pathways to sensitive receptors were identified;
- Residual chemical impact beneath the Subject Property does not pose an unacceptable risk to human health, ecological health, or sensitive receptors, considering current and identifiable future land and water uses; and
- The conceptual site model for the Subject Property meets the criteria for low-threat regulatory closure.

At the request of the ACWD, Farallon prepared the 2023 Media Management Plan to provide procedures for handling known and potential residual chemically impacted media beneath the Subject Property during future improvements. The 2023 Media Management Plan was required by the ACWD in support of regulatory closure. A copy of the 2023 Media Management Plan is included in Appendix D.

At the time of this Phase I ESA Report, the request for case closure for the Subject Property was going through the final review process at the ACWD, and according to the ACWD case manager, the findings from recent investigations are believed to support case closure.

Based on Farallon's review of previous environmental studies, releases related to historical use of the Subject Property represent a recognized environmental condition in connection with the Subject Property. Available information suggests the releases will be issued regulatory closure in the near future, at which time the releases will represent a controlled recognized environmental condition in connection with the Subject Property that will require future management during subsurface improvements.

5.0 SUBJECT PROPERTY AND ADJOINING PROPERTY HISTORY

Farallon reviewed the historical sources listed below as part of this Phase I ESA. The historical sources documented were reasonably ascertainable and practically reviewable during this Phase I ESA. Farallon is not responsible for the accuracy or completeness of the historical sources reviewed.

- Aerial photographs of the Subject Property and its vicinity dated 1928, 1938, 1946, 1954, 1960, 1968, 1974, 1981, 1987, 1993, 2004, 2009, 2010, 2012, 2014, and 2016 obtained from ERIS; and dated 1993, 2002 through 2018, and 2022 obtained from Google Earth;
- Digital Business, Haines, and Street Address Directories of Newark, California dated 1956, 1962, 1969, 1976, 1981, 1985, 1990, 1995, 1996, 1998, 2003, 2008, 2013, and 2018 obtained from ERIS; and
- USGS topographic maps of Newark and Hayward, California dated 1899, 1915, and 1959; and Newark, California dated 1947, 1948, 1959, 1968, 1973, 1980, 1996, 1997, and 2015 obtained from ERIS.

A search for fire insurance maps resulted in notification that there was no coverage for the Subject Property. Copies of historical sources are included in Appendix E.

5.1 SUBJECT PROPERTY

The Subject Property appeared undeveloped from the late 1890s through the 1940s. By 1954, 6756 Central Avenue appeared to be developed with a large industrial building and a small office building on the northwestern portion of the Subject Property. A medium-sized building on the southern portion of the Subject Property was present between 1954 and 1960, and by 1968, a small building on the northeastern portion of the Subject Property was present. The large warehouse at 6792 Central Avenue was developed between 1981 and 1987.

City directory listings for the Subject Property address included Orangeburg MFG Co. in 1962; Flintkote Co. Pipe Products Group in 1969; Bermico Co. in 1976; BHJ Products, Bay Cities Metal Products, Circo Glass, Gale Corp., M and M Pallet Co., Mason Ltd., and Mobile Facilities in 1981; BHJ Driveline, BHJ Products, BHJ Specialty Parts, Bay Cities Metal Products, Bay Mirrors Inc., Bay Temp Safety Glass, Ledawn Construction, M and M Pallet Co., and Mas On Ltd. in 1985; Hill D Trucking, Bay Cities Metal Products, Bay Mirror Inc., and

J and J Pallet Co. in 1990; Hill D Trucking, R H Waste Recyclers, R H Wood Products, Rhema Stairs and Trim, and Western States Glass in 1995 and 1996; Hill D Trucking, R H Waste Recyclers, and R H Wood Products in 1998; D Hill Trucking, Edward S. Bay Area Grinding, R H Wood Products, Tenant Interiors, and Tri-City Marble from 2003 through 2008; All Good Pallets Inc., Edward S. Bay Area Grinding, Remodeling by TCM Inc., Set Right Tile Marble, and Tenant Interiors in 2013; and All Good Pallets Inc., Do It Yourself Granite Countertops, Edward S. Bay Area Grinding, Remodeling by TCM Inc., Tenant Interiors, and Villa Pallets in 2018.

City directory listings for 6792 Central Avenue at the Subject Property included Bay Mirror Inc. from 1995 to 2003 and Trench Plate Rental in 2018.

Additional information regarding the Subject Property history is provided in Section 4.5, Previous Environmental Studies; Section 6.2, County Agencies; and Section 7.1, Subject Property Listings.

5.2 ADJOINING PROPERTIES

Adjoining properties appeared to be undeveloped from the 1890s through the 1930s. In 1946, the south-adjoining property appeared developed with several buildings and man-made ponds. By 1960, all adjoining properties appeared to be improved with commercial and industrial buildings. Between the 1960s and 2000s, additional infill development continued and the adjoining properties appeared similar to the present by 2004.

City directory listings for adjoining properties included Pabco Gypsum, Matheson Tri-Gas, and other commercial and industrial businesses. Additional information regarding adjoining properties is provided in Section 7.2, Adjoining Facility Listings.

6.0 STATE AND LOCAL GOVERNMENT AGENCY INTERVIEWS

The objective of interviews with state and/or local government agencies is to obtain information related to recognized environmental conditions in connection with the Subject Property. The interviews consist of questions asked in person, or by email, telephone, and/or online request for records.

6.1 COUNTY AGENCIES

Farallon contacted ACWD on April 3, 2024 to inquire whether notices of violations and/or reported hazardous spills at the Subject Property were on file, and regarding previous and current ASTs and USTs at the Subject Property. On April 5, 2024, Farallon was provided with the following records from a representative of ACWD: several soil and groundwater investigation work plans and reports; UST and AST removal, over-excavation, and closure documentation, City of Newark administrative citations; and correspondence regarding the Leaking Underground Fuel Tank case. Findings from these records are summarized in Section 4.5, Previous Environmental Studies.

6.2 CITY OF NEWARK

Farallon contacted the City of Newark on April 3, 2024 to inquire whether notices of violations and/or reported hazardous spills at the Subject Property were on file, and regarding previous and current ASTs and USTs at the Subject Property. On April 8, 2024, Farallon was provided with the following records from the City of Newark: several building permits for general improvement; a record for the installation of a 500-gallon propane AST associated with Trench Plate Rental Company; several fire inspection documents from 2012 through 2017, which indicated multiple fire code violations; and two permits for building demolition. These records were reviewed and did not indicate evidence of recognized environmental conditions in connection with the Subject Property.

6.3 HEALTH DEPARTMENT

Farallon contacted the Alameda County Department of Environmental Health (ACDEH) on April 3, 2024 to inquire whether notices of violations and/or reported hazardous spills at the Subject Property were on file, and regarding previous and current ASTs and USTs at the Subject Property. On April 8, 2024, a representative of the ACDEH stated that it had no records of storage tanks, hazardous material storage, or spills associated with the Subject Property. During Farallon's 2019 Phase I ESA, Farallon was provided with the following

records from the ACDEH: hazardous materials business plans, facility inspection records, hazardous material inspection records, historical photographs, tiered permit documents pertaining to treatment system discharge, and violations that have since been closed. These records were reviewed and did not indicate evidence of recognized environmental conditions in connection with the Subject Property.

6.4 FIRE DEPARTMENT

Farallon contacted the Newark Fire Department on April 3, 2024 to inquire whether notices of violations and/or reported hazardous spills at the Subject Property were on file, and regarding previous and current ASTs and USTs at the Subject Property. No response was received prior to completion of this Phase I ESA Report. During Farallon's 2019 Phase I ESA, the Newark Fire Department referred the request to the City of Newark. Based on the volume of information obtained from other regulatory agencies and previous environmental studies, records from the Newark Fire Department are not anticipated to affect the conclusions of this report.

7.0 RECORDS REVIEW

ERIS conducted a review of environmental regulatory agency database listings to identify reported environmental issues related to the Subject Property and facilities in the Subject Property vicinity. Pertinent regulatory files and/or records associated with the listings were reviewed by Farallon. Farallon used the greater of each approximate minimum search distance from the Subject Property for each of the referenced federal and state environmental databases, as specified in ASTM E1527-21.

Farallon reviewed the ERIS *Database Report* dated April 5, 2024, prepared for the Subject Property (2024 ERIS Report), to note reported facilities in the vicinity of the Subject Property that were considered to have a potential to adversely impact the Subject Property (i.e., are known to have resulted in or are expected to result in a recognized environmental condition). Reported facilities were evaluated with respect to the nature and extent of a given release, the distance of the reported facility from the Subject Property, the geology of the area, and the topographic position of a reported facility with respect to known or expected local and/or regional groundwater flow direction.

The complete database names for the abbreviations used in this Phase I ESA Report, the descriptions of the databases searched, and the associated search distances from the Subject Property are provided in the 2024 ERIS Report presented in Appendix F.

7.1 SUBJECT PROPERTY LISTINGS

The 2024 ERIS Report, and findings from the 2019 Phase I ESA Report, identified the following listings for the Subject Property at the addresses shown:

- **6756 Central Avenue,** located on the Subject Property, was identified in the CERS HAZ, EMISSIONS, FINDS/FRS, CLEANUP SITES, HHSS, HIST MANIFEST, HIST TANK, HAZNET, RCRA NON GEN, RCRA SQG, C&D DEBRIS RECY, TRIS, HAZ GEN, UST SWEEPS, CONT ALAMEDA, and SWF/LF databases. According to the ERIS Report, the Subject Property was listed for violations associated with hazardous material business plan preparation, updates, and submittal; and hazardous material handling and storage for multiple tenants between 2013 and 2018. Violations were generally administrative in nature and corrective actions were completed within a reasonable time frame. A leak was reported by Bay Mirror, Inc. related to Stoddard solvent, mineral spirits, and distillates that affected soil in 1985, and remedial activities were

conducted in 1991. Case closure for the leak was granted by the Regional Board in December 2000. Tri-City Marble was listed for air emissions between 2001 and 2016 with no violations recorded; currently was listed as a Resource Conservation and Recovery Act small quantity generator with no violations recorded as of December 2018; and was identified as an air emitter. The Subject Property contained a 20,000-gallon diesel AST, a 1,000-gallon bunker fuel UST, and a 1,000-gallon unleaded gasoline UST that were removed as detailed in Section 4.5, Previous Environmental Studies. Valley Recycling/Earth Tones Mulch Company was listed as a solid waste landfill that undertakes chipping and grinding activities. Several toxic off-site releases of copper compounds and lead compounds, xylene in fugitive and on-site stack air, were reported by Arch Mirror West. A release of styrene in fugitive and on-site stack air was also reported in 2004 by Tri-City Marble.

- 6792 Central Avenue, located on the Subject Property, was identified in the FINDS/FRS, ENVIROSTOR, CHMIRS, HIST MANIFEST, HAZNET, ICIS, EMISSIONS, RCRA SQG, and RCRA TSD databases. According to the ERIS Report, Arch Mirror West appears on the RCRA TSD and RCRA SQG for a reported violation in 2004. Bay Mirror Inc. appears in the FINDS/FRS database as a hazardous air discharger. According to the CHMIRS database, a chemical spill was reported by the Union Sanitary District for an incident in which a mixture of styrene and tap water reached a storm drain due to a slip line leak, but did not reach a waterway.
- 6756 and 6792 Central Avenue, located on the Subject Property, was identified in the DELISTED LST, RCRA NON GEN, HAZ GEN, CLEANUP SITES, and FINDS/FRS databases. These listings primarily relate to the current cleanup actions currently being performed under the ACWD oversight, as summarized in Section 4.5, Previous Environmental Studies.

Farallon searched the California State Water Resources Control Board GeoTracker Database (GeoTracker database) and the California Department of Toxic Substances Control EnviroStor database (EnviroStor database) for records related to the Subject Property. The Subject Property was identified in the EnviroStor database as holding a tiered permit that is inactive and needs evaluation. According to the Tiered Permitting Phase I Environmental Assessment Checklist completed for the Subject Property in 1996, no further investigation is necessary for the Subject Property. Listings for the Subject Property under GeoTracker relate

to historical closure of USTs in 2000, and the current open release case under ACWD oversight, as summarized in Section 4.5, Previous Environmental Studies.

Farallon also searched the California DTSC Hazardous Waste Tracking System (HWTS) for records related to the Subject Property. Farallon searched the DTSC-HWTS for toxic waste generated at the Subject Property. The database contained waste manifests from Jaffe Witkin Properties in 2019; and from 6756-6792 Central Ave. Newark CA LLC in 2022, which indicated the removal of asbestos containing product from the Subject Property, likely related to building material disposal during building demolition.

7.2 ADJOINING FACILITY LISTINGS

ASTM defines "adjoining" as "any real property or properties the border of which is contiguous or partially contiguous with that of the Subject Property, or that would be contiguous or partially contiguous with that of the Subject Property but for a street, road, or other public thoroughfare separating them." The ERIS Report identified the following adjoining facilities in the databases reviewed:

- Pacbo Gypsum at 37851 Cherry Street, an industrial gypsum product manufacturer northeast-adjoining and up- to cross-gradient of the Subject Property with respect to documented groundwater flow, was identified in the ERNS, FINDS/FRS, LUST, AST, CERS TANK, EMISSIONS, HHSS, HAZNET, PRP, HIST MANIFEST, HIST TANK, RCRA NON GEN, TRIS, AST SWRCB, UST SWEEPS, AST ALAMEDA, CONT ALAMEDA, HAZ GEN, and RCRA SQG databases. According to the ERIS Report and GeoTracker database, the facility is an air emitter and currently has a 10,000-gallon petroleum AST. The facility was identified as an air emitter and formerly had several USTs. Multiple USTs reportedly failed tank tightness tests in May 1991 and were subsequently removed. During removal, petroleum impacts to soil and groundwater were identified and a leaking UST case was opened. An investigation was conducted and remedial efforts included free product removal, pumping and treatment of groundwater, and soil excavation between 1992 and 2009. The case was granted closure in September 2013 by the Regional Board; however, several post-closure requirements remain in-place, including no excavation of contaminated soil, no groundwater extraction, and notification to the Regional Board prior to land use changes or development.

- **Matheson Tri-Gas Inc.** at 6775 Central Avenue, an industrial gas cylinder processing facility west-adjoining and cross-gradient of the Subject Property with respect to documented groundwater flow, was identified in the CERS HAZ, CHMIRS, CLEANUP SITES, EMISSIONS, ENVIROSTOR, ERNS, FINDS/FRS, HIST CHMIRS, HHSS, HIST MANIFEST, HIST TANK, HWP, ICIS, HAZNET, CONT ALAMEDA, RCRA LQG, and RCRA TSD databases. According to the ERIS Report and GeoTracker database, the facility was identified as a large quantity generator of hazardous waste. This facility is an air emitter, with multiple small-quantity releases of vapor contaminants due to faulty containment cylinders between 1995 and 2017. A large-quantity release occurred in October 2001, resulting in 25,000 gallons of 0.2 percent sodium hydroxide solution being released into an unnamed flood channel of the San Francisco Bay and 300 gallons of 1 percent sodium hydroxide solution to a storm drain leading to an unnamed flood channel of the San Francisco Bay. According to previous investigations performed at the facility, groundwater and soil vapor have been impacted by VOCs. Investigations are ongoing, and impacted media have been identified as extending beyond the facility boundaries toward the south-southwest. The facility currently is regulated by the Regional Board and semiannual groundwater monitoring indicates that VOCs are present at concentrations exceeding cleanup levels in groundwater at the facility and south-adjacent facility.

- **HB Fuller** at 6925 Central Avenue, a manufacturer of polymers and water-based adhesives west-adjoining and cross-gradient of the Subject Property with respect to documented groundwater flow, was identified in the CERCLIS, CERCLIS NFRAP, CDO/CAO, FINDS/FRS, HHSS, HIST TANK,HIST MANIFEST, RCRA NON GEN, HAZNET, SEMS ARCHIVE, CLEANUP SITES, and ENVIROSTOR databases. According to the ERIS Report and GeoTracker database, the facility was identified as having impacted soil and groundwater from storage tanks at the facility. Soil and groundwater investigations conducted at the facility in 1982 revealed the presence of VOCs in soil and groundwater. Groundwater extraction and air stripping were initiated in 1986 and the remedial system operated until 1997, when the Regional Board granted a request to terminate the remedial system. The facility currently is regulated by the Regional Board. Annual groundwater monitoring conducted in 2023 indicated that VOCs are present at concentrations exceeding cleanup levels in groundwater at the facility, with concentrations decreasing, stable, or showing no trend. According to a 2015 Annual Groundwater Monitoring Report, the lateral and vertical extents of VOC

contamination in groundwater have been delineated and VOCs have not been detected in down-gradient monitoring wells off the property.

- **Mission Linen Supply** at 6590 Central Avenue, an active dry cleaning facility north-adjoining and up-gradient of the Subject Property with respect to documented groundwater flow, was identified in the CERS HAZ, EMISSIONS, and DRYCLEANERS databases. Neither major violations nor incidents regarding an environmental release were associated with this business.

- **Milprint Packaging/Bemis Company/Pechiney Plastic/American National Can** at 6590 Central Avenue, north-adjacent and up-gradient of the Subject Property with respect to documented groundwater flow, was identified in the CLEANUP SITES, EMISSIONS, HHSS, HIST TANK, RCRA LQG, CONT ALAMEDA, and RCRA NON GEN databases. The property has been in industrial use since 1957, during which time toluene, benzene, methyl-ethyl-ketone, tetrachloroethylene, trichloroethylene, and other solvents historically were used and stored on the property. USTs were known to have existed on the property; however, no additional information regarding the USTs could be found. During the removal of hydraulic rams and a concrete sump on the property in July 1990, impacted soil was encountered. In October 1999, soil excavation and bioremediation soil treatment activities were used in the cleanup of the ORO- and grease-impacted soil, which was then spread out on the southwestern portion of the property. Based on low detections of analyte concentrations in soil samples and non-detectable concentrations in groundwater samples, ACWD concluded that the property did not appear to pose a threat to the beneficial uses of groundwater and the Regional Board closed the case. According to Regional Board records, a No Further Action determination was issued for this property on April 18, 2000. Alcan Plastic Packaging Plant had an entry on GeoTracker for a leak of total petroleum hydrocarbons from a hydraulic lift. Impacted soil was excavated and impacted water was removed, and the case was closed in 2008.

Based on the information provided in the ERIS Report and regulatory files, their topographic location and/or distance relative to the Subject Property, and subsurface data obtained from the Subject Property, none of the adjoining facilities identified was considered to represent a recognized environmental condition in connection with the Subject Property, although

releases on the adjoining properties may have contributed to low-level impact to groundwater beneath the Subject Property.

7.3 SURROUNDING FACILITY LISTINGS

Reported facilities within 0.25 mile up-gradient or 0.125 mile cross-gradient of the Subject Property are considered to have a potential to have impacted the Subject Property, depending on the depth and the directional flow of groundwater. Facilities that were listed in the ERIS Report but not identified as a reported facility (e.g., a facility listed as a hazardous waste generator but not as having had a release), and facilities that were listed as "Closed" were not considered to have a potential to have impacted the Subject Property.

Based on Farallon's review of the ERIS Report, in conjunction with subsurface data obtained from the Subject Property, none of the surrounding facilities identified was considered to represent a recognized environmental condition in connection with the Subject Property.

7.4 UNPLOTTABLE LISTINGS

Listings or facilities that cannot be mapped due to inaccurate or inadequate address information are identified as "unplottable" in the ERIS Report.

The ERIS Report identified 26 unplottable facilities. Farallon located these unplottable facilities as practical and, according to the information provided by ERIS, the unplottable facilities located do not represent a recognized environmental condition in connection with the Subject Property.

8.0 SUBJECT PROPERTY INTERVIEW

Farallon attempted to interview individuals familiar with the Subject Property, including owners, operators, and occupants, to obtain additional Subject Property information. Interviews were conducted in person, in writing, or by telephone. The individual(s) interviewed, and their responses are discussed in the following sections.

8.1 INTERVIEW WITH SUBJECT PROPERTY REPRESENTATIVE

On April 24, 2024, Farallon interviewed Gavin Fisco of Prologis, representative of the Subject Property. The following information was obtained from this interview:

- Gavin Fisco is the owner representative and has been involved with the Subject Property since 2019.
- The Subject Property is currently vacant and is planned for commercial redevelopment.
- No known ASTs or USTs are present at the Subject Property.
- Historical releases on the Subject Property are currently undergoing cleanup under regulatory oversight by the ACWD.
- Utilities are provided by local municipalities.
- Roll up doors for the Subject Property building were sealed shut and blocked off, which prevented rainwater from discharging to the storm drains in the truck loading area and resulted in flooding.
- Historical use of hazardous materials is documented in prior assessment documents.
- Soil and concrete stockpiles on the Subject Property were generated during building demolition activities.

Gavin Fisco stated on behalf of the Subject Property owner that with the possible exception of current cleanup actions, there have not been any pending, threatened, or past:

- Litigation relevant to hazardous substances or petroleum products in, on, or from the Subject Property;
- Administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property; or

- Notices from a governmental entity regarding violations of environmental laws or liability relating to hazardous substances or petroleum products.

9.0 SITE RECONNAISSANCE

Farallon conducted a site reconnaissance on April 12, 2024 to observe the Subject Property for physical evidence of recognized environmental conditions. The methodology used for the site reconnaissance and the observations made and limiting conditions encountered are discussed below. Photographs taken during the site reconnaissance are presented in Appendix B.

9.1 SITE RECONNAISSANCE METHODOLOGY

Weather conditions at the time of the reconnaissance were sunny, with a temperature of approximately 72 degrees Fahrenheit. Farallon conducted a walk around the entire perimeter of the Subject Property and inspected accessible interior portions of the Subject Property buildings.

9.1.1 Limiting Conditions

Limiting conditions encountered during this Phase I ESA were the presence of an office trailer and an encampment on exterior portions of the Subject Property that prevented Farallon from observing the entire ground surface of the Subject Property, and the presence of furniture and equipment in the Subject Property buildings that prevented Farallon from observing entire interior floor surfaces. Based on information obtained from the Subject Property representative, these limiting conditions are not expected to affect the conclusions of this Phase I ESA Report.

9.2 INTERIOR OBSERVATIONS

Farallon's comments related to observations of the interior of the Subject Property building during the site reconnaissance are provided in Section 9.2.1.

INTERIOR OBSERVATIONS	YES	NO
Odor(s)		X
Heating/Cooling System(s)	X	
Drain(s) and/or Sump(s)	X	
Staining and/or Corrosion		X
Storage Tank(s), Vent Pipe(s), Fuel Port(s), and/or Fill Pipe(s)		X

INTERIOR OBSERVATIONS	YES	NO
Clarifier(s)		X
Drum(s) and/or Other Container(s)		X
Pool(s) of Liquid	X	
Automobile Lift(s)		X
Well(s)		X
Hazardous Material(s) and/or Petroleum Product(s)		X
Hazardous Waste(s)		X
Polychlorinated Biphenyl-Containing Item(s)	X	

9.2.1 Interior Observation Comments

Heating/Cooling System(s)

The Subject Property building is heated by natural gas, which is provided by Pacific Gas and Electric Company.

Drain(s) and/or Sump(s)

Farallon observed several floor drains in the warehouse of the Subject Property building, which reportedly discharge to the sanitary sewer system.

Pool(s) of Liquid

Farallon observed storm water pooling on the floor of the truck loading dock inside the Subject Property building. According to the Subject Property representative, the roll up doors were previously sealed shut and blocked off, which prevented the rainwater from discharging to the storm drains in the truck loading area.

Polychlorinated Biphenyl-Containing Item(s)

Farallon observed wall-mounted transformers in the Subject Property building. The transformers appeared to be in good condition, with no evidence of release noted.

9.3 EXTERIOR OBSERVATIONS

Farallon's comments related to observations of the exterior of the Subject Property during the site reconnaissance are provided in Section 9.3.1.

EXTERIOR OBSERVATIONS	YES	NO
Odor(s)		X
Staining and/or Corrosion	X	
Storage Tank(s), Vent Pipe(s), and/or Fuel Port(s)		X
Clarifier(s)		X
Drum(s) and/or Other Container(s)	X	
Pool(s) of Liquid		X
Hazardous Material(s) and/or Petroleum Product(s)	X	
Hazardous Waste(s)		X
Pit(s), Pond(s), and/or Lagoon(s)		X
Stressed Vegetation		X
Solid (Nonhazardous) Waste(s)—Evidence of Dumping	X	
Wastewater		X
Domestic Water	X	
Well(s)	X	
Septic/Sewer System(s)	X	
Stormwater	X	
Polychlorinated Biphenyl-Containing Item(s)		X
Significant Amount of Fill Material	X	

9.3.1 Exterior Observation Comments

Staining and/or Corrosion

Farallon observed de minimis petroleum staining throughout the Subject Property that appeared to be from parked vehicles on the Subject Property. De minimis staining was also observed proximate to a hydraulic oil drum on the southeastern portion of the Subject Property.

Drum(s) and/or Other Container(s)

Farallon observed two 55-gallon drums that appear to contain investigation derived waste on the eastern portion of the Subject Property, and a single 55-gallon drum containing hydraulic oil on the southeastern portion of the Subject Property. The drums appeared to be

in good condition with no evidence of spills, although de minimis staining was observed proximate to the hydraulic oil drum.

Hazardous Material(s) and/or Petroleum Product(s)

Farallon observed a 55-gallon drum containing hydraulic oil on the eastern portion of the Subject Property as described above.

Solid (Nonhazardous) Waste(s)—Evidence of Dumping

Municipal wastes were observed in the encampment area located on the southeastern portion of the Subject Property.

Domestic Water

Domestic water is supplied to the Subject Property buildings by the ACWD.

Well(s)

Farallon observed eight groundwater monitoring wells on the Subject Property related to current investigate actions under the ACWD oversight. The well head for one of the monitoring wells was observed to be damaged.

Septic/Sewer System(s)

Sanitary sewage generated at the Subject Property discharges to the municipal sanitary sewer system.

Stormwater

Stormwater generated at the Subject Property infiltrates the ground surface or is directed into catch basins in the driveway and loading dock area which likely discharge to the local municipal storm sewer system.

Significant Amount of Fill Material

Farallon observed several crushed concrete and soil stockpiles on the northeastern portion of the Subject Property. According to the Subject Property representative, the soil and concrete stockpiles were generated during building demolition activities and will be used during redevelopment.

10.0 FINDINGS AND OPINIONS

Farallon performed a Phase I ESA in accordance with ASTM E1527-21 and the Authorization. Significant findings are identified below.

Farallon observed de minimis petroleum staining throughout the Subject Property that appeared to be from parked vehicles on the Subject Property. De minimis staining was also observed proximate to a hydraulic oil drum on the southeastern portion of the Subject Property.

Two 1,000-gallon USTs containing bunker fuel and gasoline, respectively, and one 20,000-gallon diesel AST and associated fuel islands and piping were removed from the Subject Property between 1991 and 1993. A soil and groundwater investigation was conducted in September 1999 to determine the extent of petroleum hydrocarbon contamination from the 20,000-gallon diesel AST and to assess the 1,000-gallon gasoline UST area. Based on the results of the investigation, an excavation was conducted north of the former AST in June 2000 and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Subject Property. Confirmation samples collected at the conclusion of the excavation did not contain detectable concentrations of petroleum hydrocarbons, and the tanks were issued case closure in 2000. The former ASTs and USTs at the Subject Property that have received regulatory closure represent a historical recognized environmental condition in connection with the Subject Property.

The Subject Property was historically used by tenants for industrial purposes, and numerous previous environmental studies were performed that suggested chemical releases had occurred at the Subject Property. The potential was also identified for surrounding property use to have contributed to the residual chemical impact to groundwater beneath the Subject Property. Based on Farallon's review of previous environmental studies, releases related to historical use of the Subject Property represent a recognized environmental condition in connection with the Subject Property. Available information suggests the releases will be issued regulatory closure in the near future, at which time the releases will represent a controlled recognized environmental condition in connection with the Subject Property that will require future management during subsurface improvements.

11.0 CONCLUSIONS

Farallon conducted a Phase I ESA for the property at 6756 and 6792 Central Avenue in Newark, California in conformance with the scope and limitations of ASTM E1527-21. Any exceptions to or deletions from this practice are described in Section 1.5, Deviations.

This assessment identified the following recognized environmental condition in connection with the Subject Property:

- The known chemical releases to soil and groundwater from historical use that are currently being evaluated for regulatory closure.

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13.0 LIMITATIONS

13.1 GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information.** Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance and/or Characterization.** Farallon performed a reconnaissance and/or characterization of the Subject Property that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Subject Property that were not investigated or were inaccessible. Subject Property activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Subject Property is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Prologis, L.P., and currently accepted industry standards. No other warranties, representations, or certifications are made.

13.2 LIMITATION ON RELIANCE BY THIRD PARTIES

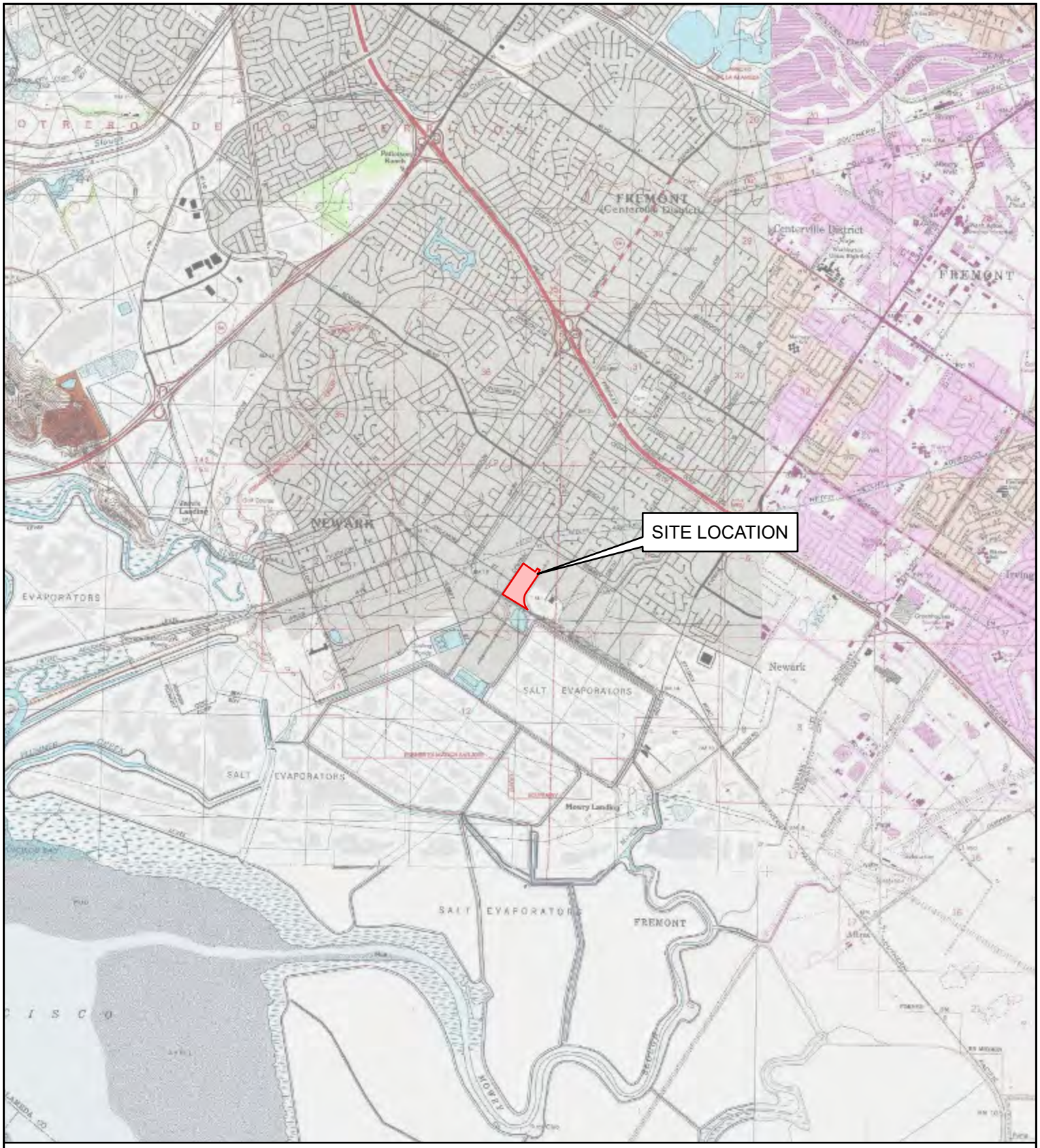
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Prologis, L.P to address the unique needs of Prologis, L.P. at the Subject Property at a specific point in time.

This is not a general grant of reliance. No one other than Prologis, L.P. may rely on this report unless Farallon agrees in advance to such reliance in writing. Any unauthorized use, interpretation, or reliance on this report/assessment is at the sole risk of that party, and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

FIGURES

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105



REFERENCE: 7.5 MINUTE USGS QUADRANGLE NEWARK, CALIFORNIA, DATED 2013



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SCALE IN FEET

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Oregon
Portland | Bend | Baker City

California
Oakland | Folsom | Irvine

FIGURE 1

SITE VICINITY MAP
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 2057-002

Drawn By: gfisco | Checked By: SA | Date: 5/15/2019 | Disc Reference: Q:\Projects\2057 Ice Miller\001_SSI_Ice_Miller.aprx



LEGEND

- GROUNDWATER MONITORING WELL
- DRUM
- T TRANSFORMER
- DRAINAGE DITCH
- DRAINAGE FEATURE
- STOCKPILE
- SITE BOUNDARY
- ALAMEDA COUNTY PARCEL BOUNDARY

AST = ABOVEGROUND STORAGE TANK

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 2

SITE PLAN
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

Drawn By: lmurock | Checked By: SA | Date: 4/30/2024 | Disc Reference:
Path: Q:\Projects\1071 Prologis\105 6756 & 6792 Central Ave\Mapfiles\008\Figure-02_SitePlan.mxd

APPENDIX A
PROFESSIONAL QUALIFICATIONS

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

FARALLON CONSULTING

SCOTT ALLIN, R.E.P.A.
Principal Environmental Scientist

BS Physical Science (Hydrology)
30 years' experience

Scott Allin has 30 years of project and program management experience in the evaluation and reporting of environmental liability associated with the sale or Brownfield redevelopment of impaired properties. He has supported the needs of developers and others in the acquisition of Cost Cap and Finite Risk environmental insurance to manage long-term environmental risks. He has provided clients with value-added due diligence services for single properties and large multimillion-dollar mixed-use portfolios, both nationally and internationally. Scott has provided guidance for evaluating environmental risks during complex mergers and acquisitions; and management services for implementation of remedial actions, asbestos abatement, environmental audit programs, and environmentally sensitive property improvements.

APPENDIX B
SUBJECT PROPERTY PHOTOGRAPHS

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

SUBJECT PROPERTY PHOTOGRAPHS

Phase I Environmental Site Assessment Report
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Photograph 1. Front of Subject Property building, looking southwest.

Photograph 2. Subject Property building, looking west.

Photograph 3. Subject Property, looking west from the eastern Subject Property boundary.

Photograph 4. Subject Property, looking northwest from the southeastern Subject Property boundary.

Photograph 5. Yard 2, looking east.

Photograph 6. Yard 2, looking south.

Photograph 7. Damaged monitoring well in Yard 2.

Photograph 8. Pallet storage in Yard 2, looking southwest.

Photograph 9. 55-gallon hydraulic oil drum on the southeastern portion of the Subject Property.

Photograph 10. Driveway south of the Subject Property building, looking west.

Photograph 11. Former building slab in the Gravel Yard.

Photograph 12. Drainage ditch and encampment on the southeastern corner of the Subject Property.

Photograph 13. Two small stockpiles of crushed concrete and soil on the northeastern corner of the Subject Property.

Photograph 14. 55-gallon drums with unknown contents on the eastern portion of the Subject Property.

Photograph 15. Overgrown stockpile on the eastern portion of the Subject Property.

Photograph 16. Imported fill stockpile for future construction, looking southwest.

Photograph 17. Former building concrete slab on the northeastern portion of the Subject Property.

Photograph 18. Loading yard east of the Subject Property building.

Photograph 19. Location of former water and propane aboveground storage tanks.

Photograph 20. Truck loading dock and trailer on the eastern side of the Subject Property building.

Photograph 21. Former cylinder storage area inside the Subject Property building.

Photograph 22. Interior of the Subject Property building, looking north.

Photograph 23. Interior of the Subject Property building, looking south.

Photograph 24. Electrical maintenance room in the Subject Property building.

Photograph 25. Floor drain system in the Subject Property building.
Photograph 26. Transformers inside the electrical maintenance room.
Photograph 27. Office space inside the Subject Property building.
Photograph 28. Flooded truck loading area inside the Subject Property building.
Photograph 29. Former building concrete slab on the northeast-adjoining property.
Photograph 30. North-adjoining Mission Linen and Uniform Service.
Photograph 31. Northeast-adjoining Pabco Gypsum.
Photograph 32. East-adjoining railroad spur followed by east-adjoining property.



Photograph 1. Front of Subject Property building, looking southwest.



Photograph 2. Subject Property building, looking west.



Photograph 3. Subject Property, looking west from the eastern Subject Property boundary.



Photograph 4. Subject Property, looking northwest from the southeastern Subject Property boundary.



Photograph 5. Yard 2, looking east.



Photograph 6. Yard 2, looking south.



Photograph 7. Damaged monitoring well in Yard 2.



Photograph 8. Pallet storage in Yard 2, looking southwest.



Photograph 9. 55-gallon hydraulic oil drum on the southeastern portion of the Subject Property.



Photograph 10. Driveway south of the Subject Property building, looking west.



Photograph 11. Former building slab in the Gravel Yard.



Photograph 12. Drainage ditch and encampment on the southeastern corner of the Subject Property.



Photograph 13. Two small stockpiles of crushed concrete and soil on the northeastern corner of the Subject Property.



Photograph 14. 55-gallon drums with unknown contents on the eastern portion of the Subject Property.



Photograph 15. Overgrown stockpile on the eastern portion of the Subject Property.



Photograph 16. Imported fill stockpile for future construction, looking southwest.



Photograph 17. Former building concrete slab on the northeastern portion of the Subject Property.



Photograph 18. Loading yard east of the Subject Property building.



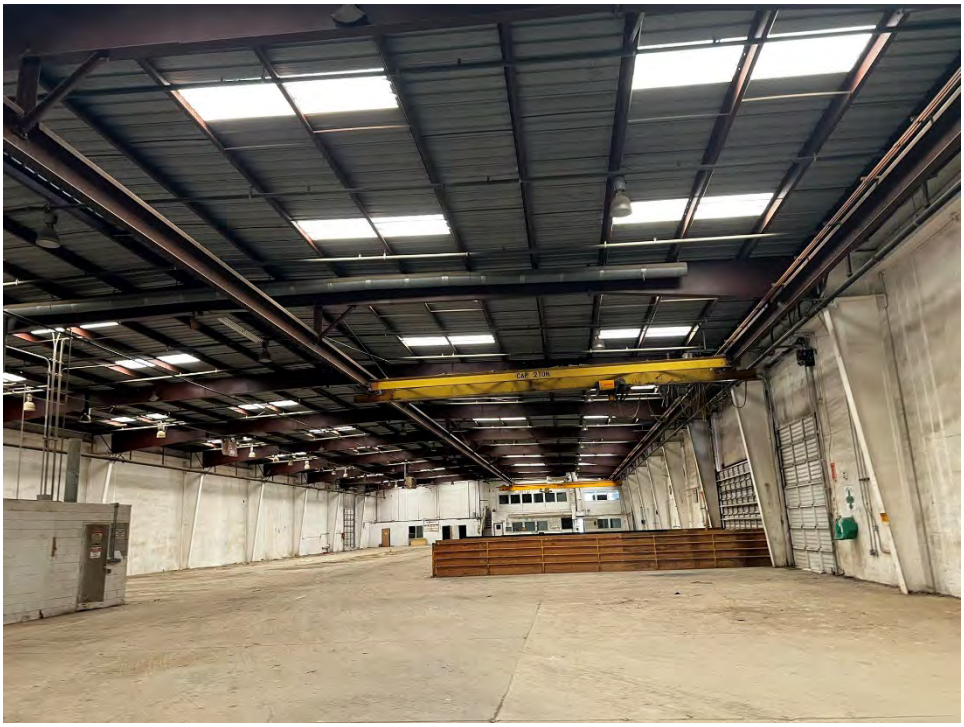
Photograph 19. Location of former water and propane aboveground storage tanks.



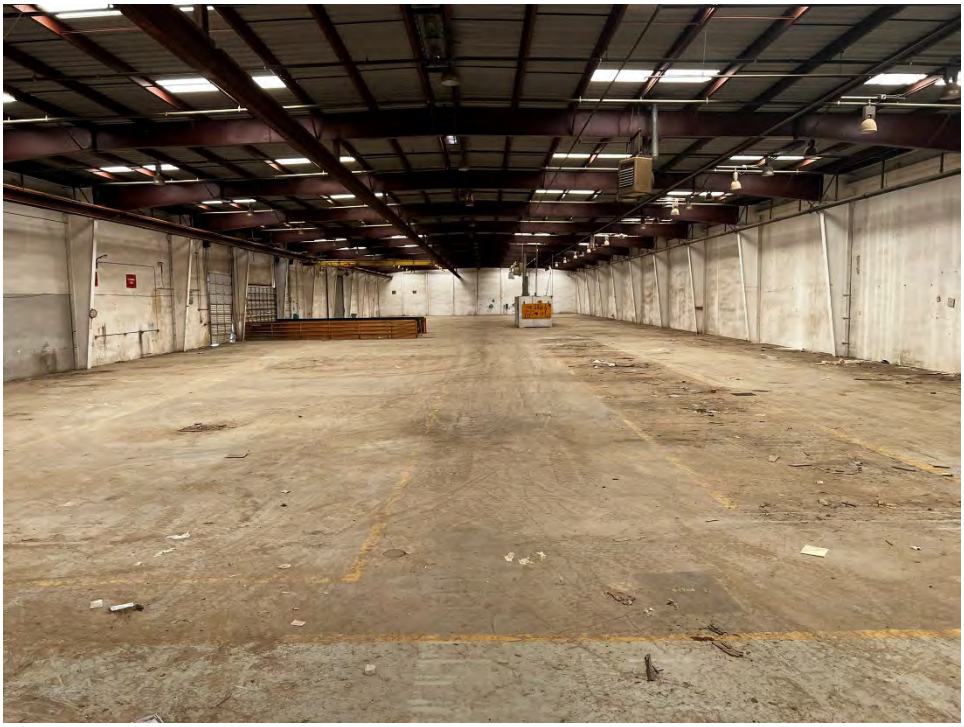
Photograph 20. Truck loading dock and trailer on the eastern side of the Subject Property building.



Photograph 21. Former cylinder storage area inside the Subject Property building.



Photograph 22. Interior of the Subject Property building, looking north.



Photograph 23. Interior of the Subject Property building, looking south.



Photograph 24. Electrical maintenance room in the Subject Property building.



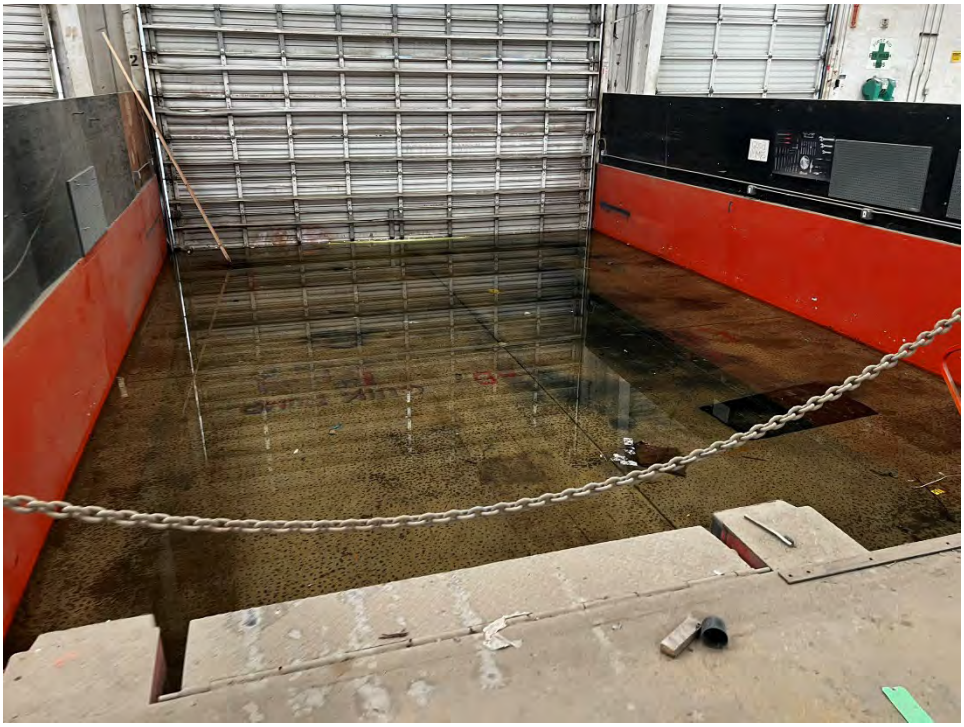
Photograph 25. Floor drain system in the Subject Property building.



Photograph 26. Transformers inside the electrical maintenance room.



Photograph 27. Office space inside the Subject Property building.



Photograph 28. Flooded truck loading area inside the Subject Property building.



Photograph 29. Former building concrete slab on the northeast-adjoining property.



Photograph 30. North-adjoining Mission Linen and Uniform Service.



Photograph 31. Northeast-adjoining Pabco Gypsum.



Photograph 32. East-adjoining railroad spur followed by east-adjoining property.

APPENDIX C
USER QUESTIONNAIRE

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

User Questionnaire

Subject Property: _____

_____

User Representative: _____

Title: _____

Date: _____

Reason for Phase I ESA: _____

To qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the Phase I Environmental Site Assessment ("Phase I ESA") User must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" has not been completed.

This document is designed to comply with Section 6 and Appendix X3, User Questionnaire, of ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, and the USEPA AAI regulations (40 CFR §312).

1) Environmental cleanup liens that have been filed or recorded against the Subject Property (Part 312.25 of Title 40 of the Code of Federal Regulations [40 CFR 312.25]).

   Are you aware of any environmental cleanup liens against the Subject Property that have been filed or recorded under federal, tribal, state, or local law?

   ☐ Yes ☐ No

   If Yes, explain and/or provide information:

2) Activity and land use limitations that are in place at the Subject Property or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any activity and land use limitation (such as engineering controls, land use restrictions, or institutional controls) that are in place at the Subject Property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

☐ Yes ☐ No

If Yes, explain and/or provide information:

3) Specialized knowledge or experience of the person seeking to qualify for the LLPs (40 CFR 312.28).

As the User of the Phase I ESA Report, do you have any specialized knowledge or experience related to the Subject Property or nearby properties? For example, are you involved in the same line of business as the current or former occupant(s) of the Subject Property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes ☐ No

If Yes, explain and/or provide information:

4) Relationship of the purchase price to the fair market value of the Subject Property if it were not contaminated (40 CFR 312.29).

Does the purchase price being paid for this property reasonably reflect the fair market value of the Subject Property? If you conclude that there is a difference between the purchase price and the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Subject Property?

☐ Yes ☐ No

If No, explain and/or provide information:

5) Commonly known or reasonably ascertainable information about the Subject Property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the Subject Property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases? For example:

a) Do you know the past use of the Subject Property?
b) Do you know specific chemicals that are present or once were present at the Subject Property?
c) Do you know of spills or other chemical releases that have taken place at the Subject Property?
d) Do you know of any environmental cleanups that have taken place at the Subject Property?

☐ Yes ☐ No to all

If Yes, explain and/or provide information:

6) The degree of obviousness of the presence or likely presence of contamination at the Subject Property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of the Phase I ESA Report, based on your knowledge and experience related to the Subject Property, is there any obvious indicator(s) that point to the presence or likely presence of contamination at the Subject Property?

☐ Yes ☐ No

If Yes, explain and/or provide information:

7) Previous Environmental Reports.

Are previous environmental reports available for the Subject Property, provided by the User for review?

☐ Yes ☐ No

APPENDIX D
HISTORICAL RESEARCH DOCUMENTATION

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	*6756 and 6792 Central Avenue* *6756 and 6792 Central Avenue* *Newark, CA 94560*
Project No:	
Requested By:	*Farallon Consulting*
Order No:	*20190228121*
Date Completed:	*March 1, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Search Results Summary

Year	Source	Scale	Comment
2016	**NAIP** - National Agriculture Information Program	1"=500'	
2014	**NAIP** - National Agriculture Information Program	1"=500'	
2012	**NAIP** - National Agriculture Information Program	1"=500'	
2010	**NAIP** - National Agriculture Information Program	1"=500'	
2009	**NAIP** - National Agriculture Information Program	1"=500'	
2004	**NAIP** - National Agriculture Information Program	1"=500'	
1993	**USGS** - US Geological Survey	1"=500'	
1987	**NAPP** - National Aerial Photography Program	1"=500'	*BEST COPY AVAILABLE*
1981	**USGS** - US Geological Survey	1"=500'	
1974	**USGS** - US Geological Survey	1"=500'	
1968	**USGS** - US Geological Survey	1"=500'	
1960	**USGS** - US Geological Survey	1"=500'	
1954	**AMS** - Army Mapping Service	1"=500'	*BEST COPY AVAILABLE*
1946	**ASCS** - Agriculture and Soil Conservation Service	1"=500'	
1938	**ASCS** - Agriculture and Soil Conservation Service	1"=500'	
1928	**FAIRCHILD** - Private Company	1"=500'	



Year: **2016**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

Order No: 20190228121

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

Year: **2014**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Year: **2012**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

Order No: 20190228121

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

Year: **2010**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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Order No: 20190228121

Year: **2009**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

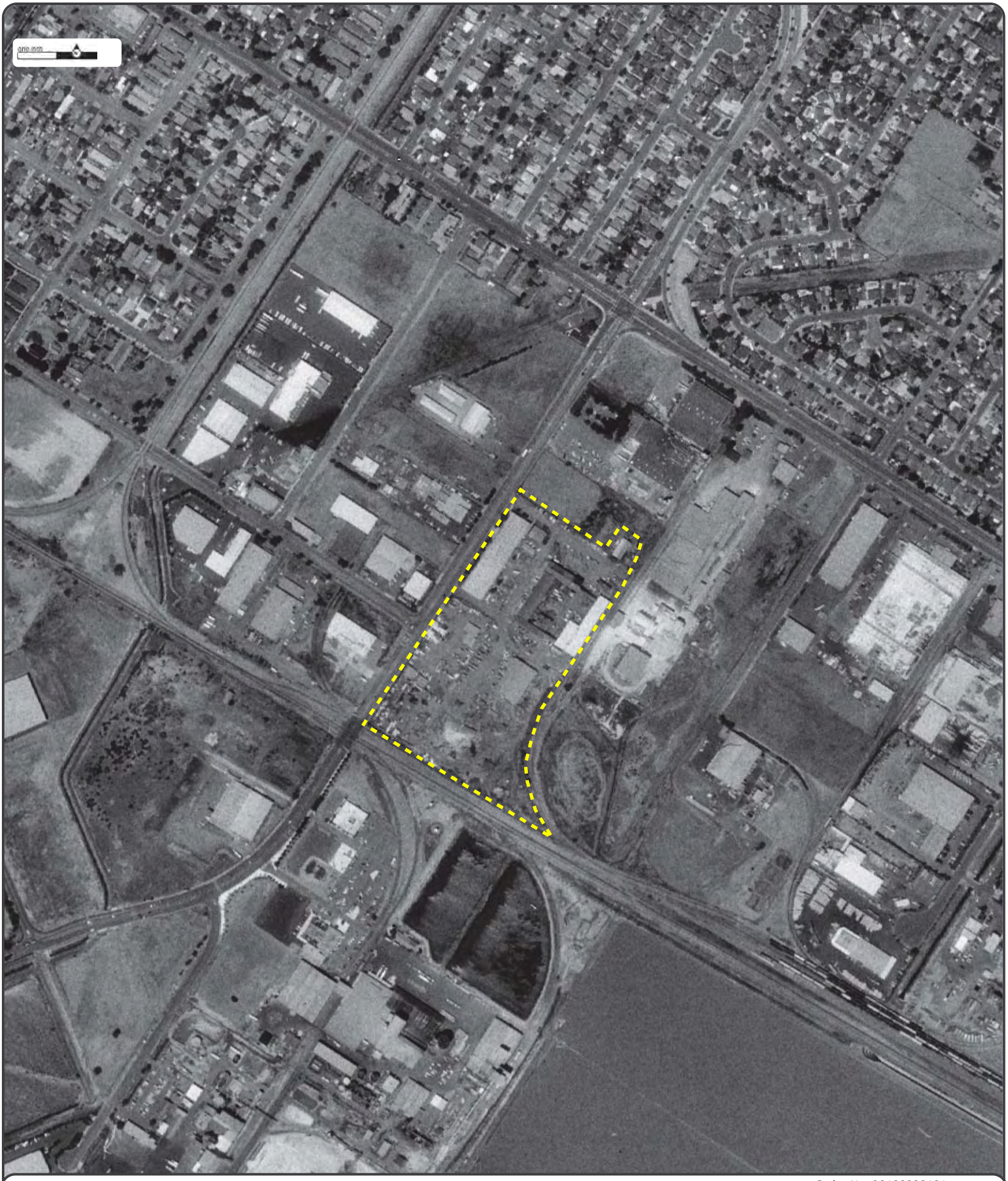
Year: **2004**
Source: **NAIP**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

Year: **1993**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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Order No: 20190228121

Year: **1987**
Source: **NAPP**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

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ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

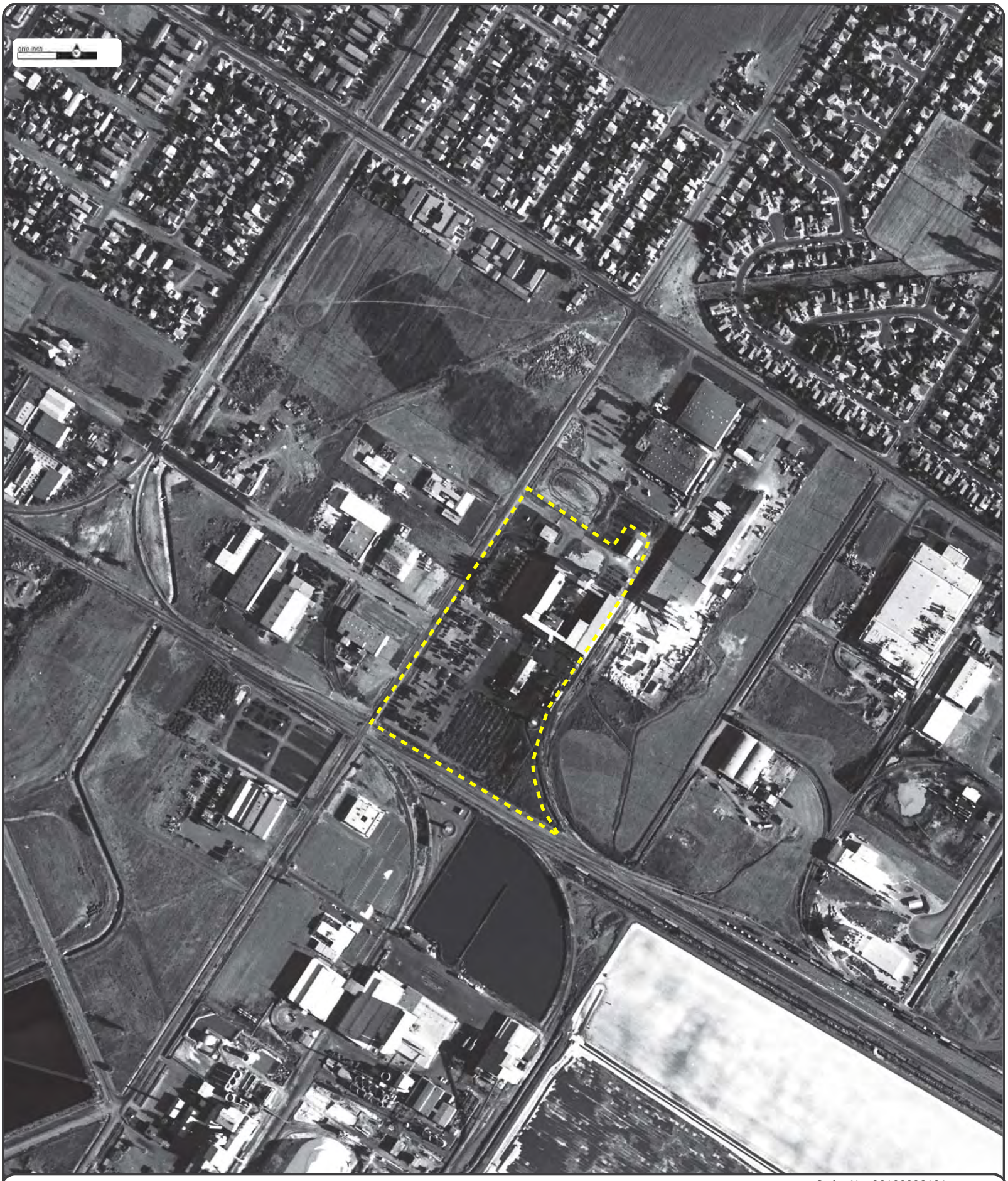
Year: **1981**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Year: **1974**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

Order No: 20190228121

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

Year: **1968**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Order No: 20190228121

Year: **1960**
Source: **USGS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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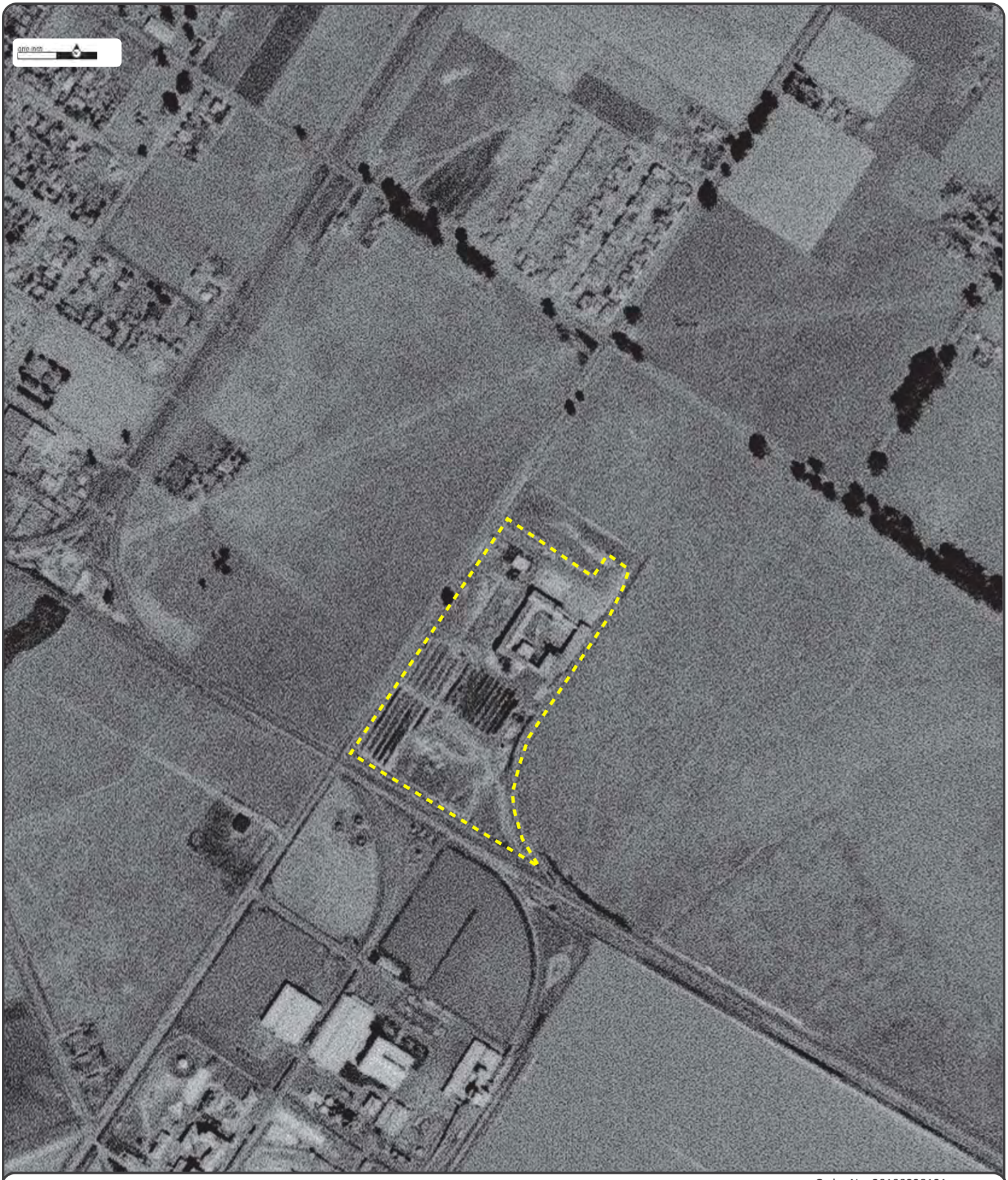

Order No: 20190228121

Year: **1954**
Source: **AMS**
Scale: **1" to 500'**
Comments: *BEST COPY AVAILABLE*

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Year: **1946**
Source: **ASCS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

Order No: 20190228121

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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Year: **1938**
Source: **ASCS**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

Order No: 20190228121

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

www.erisinfo.com | 1.866.517.5204



Year: **1928**
Source: **FAIRCHILD**
Scale: **1" to 500'**
Comments:

Site Address: 6756 and 6792 Central Avenue Newark CA
Approx Center: 37.52476 / -122.0275

N

Order No: 20190228121

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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ENVIRONMENTAL RISK INFORMATION SERVICES

CITY DIRECTORY

Project Property:	*6756 and 6792 Central Avenue* *6756 and 6792 Central Avenue* *Newark, CA 94560*
Project No:	
Requested By:	*Farallon Consulting*
Order No:	*20190228121*
Date Completed:	*March 5, 2019*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

March 5, 2019
RE: CITY DIRECTORY RESEARCH
6756 and 6792 Central Avenue
6756 and 6792 Central Avenue Newark, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
6500-7050 of Central Avenue
37600-38300 of Cherry Street
All of Redeker Place
37600-37900 of Sycamore Street
6650-7000 of Clark Avenue
6550-7000 of Smith Avenue

Search Results Summary

Date	Source	Comment
2018	DIGITAL BUSINESS DIRECTORY	
2013	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
1998	DIGITAL BUSINESS DIRECTORY	
1995-96	HAINES	
1990	HAINES	
1985	HAINES	
1981	HAINES	
1976	HAINES	
1969	STREET ADDRESS DIRECTORY	
1962	STREET ADDRESS DIRECTORY	
1956	STREET ADDRESS DIRECTORY	

5609 **CARDONA DOLOROSA B DDS**...*Dentists*
6520 **SILICON VALLEY MFG**...*Engineers-manufac*
6520 **SILICON VALLEY MFG**...*Ecommerce*
6550 **MISSION GOLDRUSH**...*Linen Supply*
6565 **ACC AUTO COLLISION CTR**...*Automobile Bo*
6565 **ACC AUTO COLLISION CTR**...*Automobile Re*
6565 **ACC AUTO COLLISION CTR**...*Brake Service*
6590 **MISSION GOLD RUSH**...*Jewelry Stores*
6711 **TRENCH PLATE RENTAL CO**...*Contractors-e*
6711 **TRENCH PLATE RENTAL CO**...*Hydraulic Equ*
6756 **ALL GOOD PALLETS INC**...*Pallets & Skids*
6756 **ALL GOOD PALLETS INC**...*Pallets & Skids*
6756 **DO IT YOURSELF GRANITE CNTRTPS**...*Grani*
6756 **EDWARD S BAY AREA GRINDING**...*Grinding-*
6756 **REMODELING BY TCM INC**...*Marble-culture*
6756 **REMODELING BY TCM INC**...*Counter Tops*
6756 **TENANT INTERIORS**...*Cabinet Makers*
6756 **VILLA PALLET**...*Pallets & Skids-manufac*
6756 **VILLA PALLET**...*Packing & Crating Servi*
6775 **MATHESON**...*Gas-indstrl/med-cylinder &*
6775 **MATHESON**...*Oxygen [whls]*
6792 **TRENCH PLATE RENTAL**...*Contractors-equi*
6792 **TRENCH PLATE RENTAL**...*Toolspneumaticma*
6792 **TRENCH PLATE RENTAL**...*Nonclassified Es*
6803 **TRI CITY PLASTICS**...*Plastics-fabricati*
6803 **TRI CITY PLASTICS**...*Signs [mfrs]*
6815 **CON FORM LUMBER**...*Lumber-retail*
6815 **NEWARK FENCE**...*Fence-manufacturers*
6815 **NEWARK FENCE**...*Fence Contractors*
6821 **BRITECH ELECTROPOLISHING INC**...*Assembl*
6821 **BRITECH ELECTROPOLISHING INC**...*Cleanin*
6821 **BRITECH ELECTROPOLISHING INC**...*Manufac*
6821 **SUNNYVALE TRADING CO INC**...*Restaurant*
6821 **SUNNYVALE TRADING CO INC**...*Ice Making*
6925 **MATHESON**...*Gas-indstrl/med-cylinder &*
6925 **MATHESON**...*Oxygen [whls]*
6925 **MATHESON**...*Gas-indstrl/med-cylinder &*
6995 **HENRY POCKET FRAMES**...*Window Cleaning<*
7025 **PACIFIC COAST WAREHOUSE CO**...*Exporters*
7091 **MCCOLLISTERS TRANSPORTATION**...*Moving S*

37851 **PABCO GYPSUM**...*Gypsum & Gypsum Product*
37851 **PABCO GYPSUM**...*Paperboard Mills [mfrs]*
38005 **KIDANE SENAI MD**...*Physicians & Surgeo*
38021 **JOHN RUSSO INDL INC**...*Welding<*
38021 **JOHN RUSSO INDL INC**...*Machine Shops [m*
38083 **UNITED LOGISTIC SOLUTIONS**...*Logistics<*
38201 **EVERGREEN OIL INC**...*Oil & Gas Producer*
38201 **OAK HARBOR FREIGHT LINES**...*Trucking-mo*
38201 **OAK HARBOR FREIGHT LINES**...*Freight-for*
38403 **THORO SYSTEM PRODUCTS**...*Waterproofing*
38403 **THORO SYSTEM PRODUCTS**...*Waterproofing*
38403 **THORO SYSTEM PRODUCTS**...*Building Const*
38403 **THORO SYSTEM PRODUCTS**...*Ecommerce*

6655 **SHORTY S MEAT CO CATERING**...*Nonclassi*
6655 **US POST OFFICE**...*Post Offices<*
6655 **VIDERETECH LLC**...*Computer & Equipment*
6691 **PALO ALTO EGG FOOD SVC CO**...*Furniture*
6691 **PALO ALTO EGG FOOD SVC CO**...*Food Faci*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Dairy Pr*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Beverage*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Grocersr*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Bottlers*
6758 **CHECKMARK COMPACTOR SVC**...*Compactors-w*
6969 **ATKINS RANCH**...*Ranches*
6969 **HARVEST MEATS DISTRIBUTION CTR**...*Meat-*
6969 **HARVEST MEATS DISTRIBUTION CTR**...*Meat-*
6969 **HARVEST MEATS DISTRIBUTION CTR**...*Meat-*
6969 **VALLEY FREEZE ICE**...*Ice Cream Parlors<*

6640 **COUSSAN PROPERTY**...*Real Estate*
6640 **ELITE RECYCLING LLC**...*Recycling Center*
6730 **RECALL**...*Information Management*

6318 **LUNA S PRESCHOOL & DAYCARE**...*Child Car*
6565 **C Y GLOBAL**...*Scrap Metals & Iron [whl*
6565 **C & Y GLOBAL**...*Nonclassified Establish*
6587 **WESTERN PACIFIC PULP & PAPER**...*Federal*
6587 **WESTERN PACIFIC PULP & PAPER**...*Recycli*
6600 **OATEY CO**...*Plumbing Fixtures & Supplie*
6655 **FERMA CORP**...*Building Contractors*
6700 **OAK HARBOR FREIGHT LINES**...*Trucking*
6700 **OAK HARBOR FREIGHT LINES**...*Wrecker Ser*
6700 **OAK HARBOR FREIGHT LINES**...*Trucking-mo*
6700 **OAK HARBOR FREIGHT LINES**...*Truckinghea*
6800 **EVERGREEN ENVIRONMENTAL SVC**...*Waste Ma*
6851 **STEELER INC**...*Dry Wall Contractors Equ*
6880 **EVERGREEN OIL INC**...*Federal Government*
6880 **EVERGREEN OIL INC**...*Recycling Centers*
6880 **SAFETY-KLEEN SYSTEMS**...*Environmental &*
6880 **SAFETY-KLEEN SYSTEMS**...*Laboratoriesana*
6899 **FIVE STAR LUMBER CO**...*Manufacturers*
6899 **FIVE STAR LUMBER CO**...*Pallets & Skids*
6899 **FIVE STAR LUMBER CO**...*Pallets & Skids-*
6899 **FIVE STAR LUMBER CO**...*Packing & Cratin*

37590 **ASIAN INDIAN CHURCH MINISTRIES**...*Churc*
37590 **ASIAN INDIAN CHURCH MINISTRIES**...*Missi*
37590 **CIVILIAN RIDING SKILLS CMPTTN**...*Noncla*
37590 **NEWARK COMMUNITY CHURCH**...*Churches*
37625 **CROWN MANUFACTURING CO INC**...*Plastics*
37625 **CROWN MANUFACTURING CO INC**...*Molds [mf*
37650 **MILES & SONS DELIVERY**...*Windows-repair*
37650 **MILES & SONS DELIVERY**...*Glassauto Plat*
37650 **ZIMMERMAN WINDOW MFG**...*Windows-repairi*
37650 **ZIMMERMAN WINDOW MFG**...*Glassauto Plate*
37651 **D & D EQUIPMENT**...*Concrete Breaking Cu*
37651 **FINE LINE SAWING & DRILLING**...*Concrete*
37651 **FINE LINE SAWING & DRILLING**...*Demoliti*

6483 **JESSICA S JANITORIAL**...*Janitor Service*
6520 **SILICON VALLEY MFG**...*Engineers-manufac*
6565 **ACC AUTO COLLISION CTR**...*Automobile Bo*
6565 **ACC AUTO COLLISION CTR**...*Automobile Re*
6590 **PECHINEY PLASTIC PACKAGES**...*Packaging*
6590 **PECHINEY PLASTIC PACKAGES**...*Coated & L*
6711 **TRENCH PLATE RENTAL CO**...*Contractors-e*
6756 **ALL GOOD PALLETS INC**...*Pallets & Skids*
6756 **EDWARD S BAY AREA GRINDING**...*Grinding-*
6756 **REMODELING BY TCM INC**...*Bathroom Fixtu*
6756 **REMODELING BY TCM INC**...*Marble-culture*
6756 **SET RIGHT TILE MARBLE**...*Tile-ceramic-c*
6756 **TENANT INTERIORS**...*Cabinet Makers*
6775 **MATHESON TRI-GAS**...*Gas-ind & Medical-c*
6775 **MATHESON TRI-GAS**...*Importers [whls]*
6803 **TRI CITY PLASTICS**...*Plastics-fabricati*
6821 **BRITECH ELECTROPOLISHING INC**...*Manufac*
6821 **BRITECH ELECTROPOLISHING INC**...*Buffing*
6821 **SUNNYVALE TRADING CO INC**...*Restaurant*
6925 **MATHESON TRI-GAS**...*Gas Equipment [whls*
6995 **HENRY POCKET FRAMES**...*Window Cleaning<*
7025 **NATIONAL DISTRIBUTION**...*Warehouses-pri*
7025 **PACIFIC COAST WAREHOUSE CO**...*Exporters*
7095 **HERCULES FORWARDING INC**...*Trucking*

38021 **COLET**...*Nonclassified Establishments*
38021 **JOHN RUSSO INDL INC**...*Welding<*
38021 **JOHN RUSSO INDL INC**...*Federal Governme*
38201 **EVERGREEN OIL INC**...*Oil & Gas Producer*
38201 **OAK HARBOR FREIGHT LINES**...*Freight-for*
38403 **THORO SYSTEM PRODUCTS**...*Waterproofing*

Report ID: 20190228121 - 3/5/2019
www.erisinfo.com

2013 CLARK AVENUE
SOURCE: DIGITAL BUSINESS DIRECTORY

6655 **US POST OFFICE**...*Post Offices<*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Beverage*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Cheese-w*
6969 **VALLEY FREEZE ICE**...*Ice*
6969 **WONDER ICE CREAM**...*Ice Cream Parlors*

2013 REDEKER PLACE
SOURCE: DIGITAL BUSINESS DIRECTORY

6640 **ELITE RECYCLING LLC**...*Recycling Center*
6800 **SERIOUS ENERGY INC**...*Environmental Pro*

2013 SMITH AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

6318 **LUNA S PRESCHOOL & DAYCARE**...*Child Car*
6565 **AMERICA SHREDDING**...*Paper-shredded*
6587 **WESTERN PACIFIC PULP & PAPER**...*Waste-p*
6600 **OATEY CO**...*Plumbing Fixtures & Supplie*
6600 **OATEY CO**...*Plumbing Fixtures & Supplie*
6655 **FERMA CORP**...*Building Contractors*
6700 **OAK HARBOR FREIGHT LINES**...*Trucking-mo*
6700 **OAK HARBOR FREIGHT LINES**...*Trucking*
6851 **STEELER INC**...*Dry Wall Contractors Equ*
6851 **STEELER INC**...*Dry Wall Contractors Equ*
6899 **FIVE STAR LUMBER CO**...*Pallets & Skids*

2013 SYCAMORE STREET

SOURCE: DIGITAL BUSINESS DIRECTORY

37600 **NIELSEN WOOD SHOP**...*Woodworkers*
37625 **CROWN MANUFACTURING CO INC**...*Molds [mf*
37625 **CROWN MANUFACTURING CO INC**...*Plastics-*
37625 **T-MOS INC**...*Coffee Brewing Devices*
37650 **CALIFORNIA WINDOW CONCEPTS**...*Windows-r*
37650 **MILES & SONS DELIVERY**...*Windows-repair*
37650 **ZIMMERMAN WINDOW MFG**...*Windows-repairi*
37651 **D & D EQUIPMENT**...*Concrete Breaking Cu*

5949 **BEAUTIFUL BRAIDS**...*Beauty Salons*
6520 **ENERGY TRANSFORMATION SYSTEMS**...*Mfg Co*
6520 **LOAN EXPRESS MORTGAGE AB**...*Mortgage Br*
6520 **SILICON VALLEY MFG**...*Industrial Mchy N*
6520 **SILICON VALLEY MFG**...*Machine Shops*
6565 **MAACO AUTO PAINTING & BODYWORK**...*Autom*
6590 **ALCAN PACKAGING**...*Packg Ppr Coated*
6590 **ALCAN PACKAGING**...*Packaging Materials-*
6590 **PECHINEY PLASTIC PACKAGING**...*Mfg Plast*
6711 **TRENCH PLATE RENTAL CO**...*Hv Constr Eqp*
6711 **TRENCH PLATE RENTAL CO**...*Contractors-e*
6756 **D HILL TRUCKING**...*Trucking-motor Freig*
6756 **EDWARDS BAY AREA GRINDING**...*Grinding-p*
6756 **EDWARDS BAY AREA GRINDING**...*Mfg Indust*
6756 **EDWARDS BAY AREA GRINDING**...*Met Coatin*
6756 **R H WOOD PRODUCTS**...*Pallets & Skids-ma*
6756 **R H WOOD PRODUCTS**...*Wood Pallets Skid*
6756 **TENANT INTERIORS**...*Cabinet Makers*
6756 **TENANT INTERIORS**...*Cabnt/finish Carpnt*
6756 **TRI-CITY MARBLE**...*Bathroom Fixtures*
6756 **TRI-CITY MARBLE**...*Marble-cultured [who*
6775 **MATHESON TRI-GAS**...*Industrial Gases*
6775 **MATHESON TRI-GAS**...*Gas-ind & Medical-c*
6775 **MATHESON TRI-GAS INC**...*Mfg Industrial*
6803 **TRI CITY PLASTICS**...*Plastic Pdts Nec*
6803 **TRI CITY PLASTICS**...*Plastics-fabricati*
6803 **TRI-CITY PLASTICS INC**...*Plasticing Pro*
6821 **BARTERTHIS.COM**...*Business Svs Nec*
6821 **BIG SCREEN WAREHOUSE**...*Radio Tv & Elcr*
6821 **BRITECH INC**...*Plating & Polishing*
6821 **CALIENTE SYSTEMS**...*Heaters-unit-dealer*
6821 **CALIENTE SYSTEMS INC**...*Mfg Fabricated*
6821 **SUNNYVALE TRADING CO INC**...*Restaurant*
6821 **SUNNYVALE TRADING CO INC**...*Misc Retail*
6925 **WESCO GASES**...*Indus Mchy & Eqp*
6995 **HENRY POCKET FRAMES**...*Bld Maintenance*
7025 **NATIONAL DISTRIBUTION**...*Nclassifiable*
7025 **PACIFIC COAST WAREHOIUSE CO**...*Warehous*
7025 **PACIFIC COAST WAREHOUSE CO**...*Exporters*
7095 **HERCULES**...*Trucking*

37453 **J K SANDHU TRUCKING**...*Local Trucking O*
37849 **PABCO GYPSUM**...*Ge Construction Mach*
37851 **PABCO GYPSUM**...*Gypsum & Gypsum Product*
37851 **PACIFIC COAST CO**...*Nclassifiable Estab*
37853 **TRANSPORT TRUCK SHOP-DIV**...*Trucking*
37853 **TRANSPORT TRUCK SHOP-DIV**...*Trucking*
38021 **COLET**...*Sheet Metal Fabricators*
38021 **JOHN RUSSO IND INC**...*Sheet Metal Fabri*
38021 **JRI**...*Welding Repair*
38201 **DUN-RITE EXCAVATING**...*Excavating Contr*
38201 **FALCON AUTO TRANSPORT**...*Automotive Tra*
38201 **UNITED ROAD SVC**...*Automobile Transport*
38403 **BASF CONSTRUCTION CHEMICALS**...*Mfg Coat*
38403 **CHEMREX**...*Mfg Adhesives/sealants Mfg C*
38403 **THORO SYSTEM PRODUCTS**...*Waterproofing*

2008 — CLARK AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

6655 **U S POST OFFICE**...*Postal Services*
6655 **US POST OFFICE**...*Post Office*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Dairy Pr*
6691 **PALO ALTO EGG & FOOD SVC CO**...*Dairy Pr*
6760 **J & J MEDIA CO**...*Records Tapes & Compa*
6760 **SILVER CENTURY INC**...*Whol Durable Good*
6772 **CHECKMARK COMPACTOR SVC**...*Compactors-w*
6969 **ATKINS RANCH**...*Ranches*
6969 **VALLEY FREEZE ICE**...*Misc Retail Stores*
6969 **WESTERN FOOD PRODUCTS INC**...*Meat-whole*
6969 **WESTERN FOOD PRODUCTS INC**...*Meats & Me*
6969 **WONDER ICE CREAM**...*Quick Serv Ice Crea*

2008 — REDEKER PLACE

SOURCE: DIGITAL BUSINESS DIRECTORY

6640 **AVAR CONSTRUCTION**...*Gen Remod 1-fam Ho*
6640 **M J RECOVERY**...*Repossessing Service*
6640 **MJ RECOVERY**...*Unclassified*
6730 **RECALL CORP**...*Business Services Nec*

6318 **LUNAS PRESCHOOL & DAYCARE**...*Child Care*
6318 **LUNAS PRESCHOOL & DAYCARE**...*Child Day*
6587 **WESTERN PACIFIC PULP & PAPER**...*Scrap &*
6587 **WESTERN PACIFIC PULP & PAPER**...*Waste-p*
6600 **OATEY CO**...*Plbg & Heating Eqp<*
6600 **OATEY CO**...*Nonclassified Establishment*
6655 **FERMA CORP**...*Demolition Contractors*
6655 **FERMA CORP**...*Gen Remod 1-fam House*
6655 **J S COLE CO**...*Ge Construction Mach*
6655 **J S COLE CO**...*Contractors-equip/supls-*
6700 **OAK HARBOR FREIGHT LINES**...*Trucking*
6700 **OAK HARBOR FREIGHT LINES INC**...*Truckin*
6851 **STEELER INC**...*Hand & Edge Tools*
6851 **STEELER INC**...*Mfg Sheet Metalwork Whol*
6880 **CALIFORNIA OIL RECYCLERS**...*Refuse Syst*
6880 **EVERGREEN OIL**...*Recycling Centers [who*
6880 **EVERGREEN OIL INC**...*Recycling Centers<*
6899 **FIVE STAR LUMBER CO**...*Pallets & Skids*
6899 **FIVE STAR LUMBER CO**...*Wood Pallets Sk*

37600 **NIELSEN WOOD SHOP**...*Cabnt/finish Carpn*
37600 **NIELSEN WOOD SHOP**...*Mfg Millwork*
37625 **CONTROL PLASTICS INC**...*Mfg Plastic Pro*
37625 **CROWN MANUFACTURING CO INC**...*Plastic P*
37625 **CROWN MANUFACTURING CO INC**...*Plastics-*
37625 **KALIMUTHU KANAKARAJ CPA**...*Accountants<*
37625 **T-MOS INC**...*Coffee Service*
37650 **CALIFORNIA WINDOW CONCEPTS**...*Glass & G*
37650 **MILES & SONS DELIVERY**...*Delivery Servi*
37650 **MILES & SONS DELIVERY**...*Glass & Glazin*
37650 **ZIMMERMAN WINDOW MFG**...*Glass & Glazing*
37650 **ZIMMERMAN WINDOW MFG**...*Windows-vinyl*
37651 **D & D EQUIPMENT**...*Ge Construction Mach*
37651 **FINE LINE SAWING & DRILLING**...*Concrete*
37651 **FINE LINE SAWING & DRILLING**...*Concrete*

5847 **MONTAGUE RACING ENTERPRISES**...
6520 **ENERGY TRANSFORMATION SYSTEM**...
6540 **FREMONT BIBLE FELLOWSHIP**...
6565 **MAACO AUTO PAINTING & BODYWORK**...
6590 **PEPECHINEY PLASTIC PACKAGES**...
6711 **TRENCH PLATE RENTAL CO**...
6756 **D HILL TRUCKING**...
6756 **EDWARD S BAY AREA GRINDING**...<
6756 **R H WOOD PRODUCTS**...
6756 **TENANT INTERIORS**...
6756 **TRI-CITY MARBLE**...
6775 **MATHESON TRI-GAS**...
6792 **BAY MIRROR INC**...
6803 **QUALITY SIGN & BANNER INC**...
6803 **TRI CITY PLASTICS**...
6821 **CALIENTE SYSTEMS**...
6925 **NEW PACIFIC DIRECT INC**...
6925 **STANFORD DESIGNS**...
6995 **REDWOOD PACKAGING**...
7200 **CALIFORNIA OIL RECYCLERS**...

38021 **COLET**...
38021 **JOHN RUSSO IND INC**...
38201 **DUN-RITE EXCAVATING**...
38201 **FALCON AUTO**...
38201 **J VALLES TRUCKING**...
38403 **DEGUSSA CONSTRUCTION CHEMICALS**...

2003 CLARK AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

6655 **US POST OFFICE**...
6758 **ULTIMATE LAMINATORS**...
6760 **SILVER CENTURY**...
6784 **DE MELLO TRUCK BODY**...
6784 **DEMELLO TRUCK BODY & TRAILER**...
6969 **WESTERN FOOD PRODUCTS INC**...

2003 REDEKER PLACE

SOURCE: DIGITAL BUSINESS DIRECTORY

STREET NOT LISTED...

2003
SOURCE: DIGITAL BUSINESS DIRECTORY

SMITH AVENUE

6318 **LUNA S PRESCHOOL & DAYCARE**...<
6565 **PACIFIC SUPPLY**...
6565 **WESTERN PACIFIC PULP & PAPER**...
6600 **OATEY CO**...
6655 **FERMA CORP**...
6655 **J S COLE CO**...
6700 **OAK HARBOR**...
6851 **STEELER INC**...
6880 **EVERGREEN ENVIRONMENTAL**...
6880 **EVERGREEN OIL**...
6899 **FIVE STAR LUMBER CO**...

2003
SOURCE: DIGITAL BUSINESS DIRECTORY

SYCAMORE STREET

37600 **NIELSEN WOOD SHOP**...
37625 **CROWN MANUFACTURING CO INC**...<
37625 **KANAKARAJ KALIMUTHU CPA**...
37625 **T-MOS INC**...
37650 **CALIFORNIA WINDOW CONCEPTS**...<
37650 **ZIMMERMAN WINDOW MFG**...
37651 **D & D EQUIPMENT**...
37651 **FINE LINE SAWING & DRILL INC**...

6273 **NEWARK CONSTRUCTION CO**...*Industrial Bu*
6590 **AMERICAN NATIONAL CAN**...
6711 **TRENCH PLATE RENTAL CO**...
6756 **HILL D TRUCKING**...
6756 **R H WASTE RECYLERS**...*Air Water And S*
6756 **R H WOOD PRODUCTS**...*Air Water And So*
6775 **MATHESON GAS PRODUCTS MATHESON ELE**...
6792 **BAY MIRROR INC**...
6821 **CALIENTE SYSTEMS**...
6821 **M M E CO GLS DECRTRS**...*Nonmetallic Min*
6925 **STANFORD DESIGNS**...*Household Furniture*
6995 **K-C AUTO DIESEL ELECTRIC**...*Auto And Ho*
6995 **PERDUE TIRE INC**...*Auto And Home Supply*
6995 **PERDUE TIRE INC**...
7055 **SAN JOSE CONSTRUCTION CO**...*Carpentry W*

37849 **PABCO GYPSUM DIVISION OFFICE**...
37851 **PABCO GYPSUM PLANT OFFICE**...*Gypsum Pro*
37853 **TRANSPORT TRUCK SHOP DIV OF PACIFIC C**...
38021 **COLET**...
38021 **JRI**...
38021 **RUSSO JOHN INDUSTRIAL INC**...
38201 **FALCON AUTO**...
38201 **TNT AUTO TRANSPORT**...*Freight Transport*
38201 **VALLES J TRUCKING**...*Trucking Except L*
38403 **THORO SYSTEM PRODUCTS**...

1998
SOURCE: DIGITAL BUSINESS DIRECTORY

CLARK AVENUE

6691 **FRITO-LAY INC**...

1998
SOURCE: DIGITAL BUSINESS DIRECTORY

REDEKER PLACE

STREET NOT LISTED...

1998 — SMITH AVENUE

SOURCE: DIGITAL BUSINESS DIRECTORY

6199 **ARMSTRONG IVAN D CPA**...
6565 **ALL WASTE RECYCLING INC**...
6565 **RECYCLED FIBERS OF CALIFORNIA**...*Scrap*
6565 **STRATEGIC MATERIALS INC**...*Air Water*
6600 **OATEY CO**...
6655 **COLE J S CO**...
6655 **FERMA CORPORATION**...
6700 **MOTOR CARGO**...
6851 **STEELER INC**...
6880 **CALIFORNIA OIL RECYCLERS EVERGREEN E**...
6880 **EVERGREEN OIL**...
6899 **FIVE STAR LUMBER CO**...*Wood Pallets And*

1998 — SYCAMORE STREET

SOURCE: DIGITAL BUSINESS DIRECTORY

37600 **NIELSEN WOOD SHOP**...
37625 **CROWN MANUFACTURING CO INC**...<
37625 **T-MOS INC**...
37650 **GP GENERAL**...
37650 **ZIMMERMAN & ASSOCIATES**...

1995-96
SOURCE: HAINES

CENTRAL AVENUE

6451 **XXXX**
6590 **AMER NATL CAN**
6711 **84 LUMBER CO**
6756 **HILL D TRUCKING**
6756 **R H WASTE RECYCLERS**
6756 **R H WOOD PRODUCTS**
6756 **RHEMA STAIRS AND TRIM**
6756 **WESTRN STATES GLASS**
6775 **MATHESON GAS PRODCT**
6792 **BAY MIRROR INC**
6821 **M M E CO**
6925 **STANFORD DESIGNS**
6995 **PERDUE TIRE INC**
6995 **K C AUTO DIESEL ELC**
7091 **XXXX**

1995-96
SOURCE: HAINES

CHERRY STREET

37530 **RESIDENTIAL LISTING**
37707 **XXXX**
37849 **PABCO GYPSUM**
37851 **XXXX**
37853 **TRANSPORT TRUCK SHP**
38021 **NEWARK ELECTRIC SPL**
38083 **XXXX**
38201 **GEN MAR MTL BED FRM**
38201 **TNT AUTO TRANSPORT**
38201 **VALLES J TRUCKING**
38403 **THORO SYSTEM PRDCTS**

1995-96
SOURCE: HAINES

CLARK AVENUE

6544 **XXXX**
6564 **RESIDENTIAL LISTING**
6691 **FRITO LAY INC**

1995-96
SOURCE: HAINES

REDEKER PLACE

STREET NOT LISTED

1995-96
SOURCE: HAINES

SMITH AVENUE

6437 **RESIDENTIAL LISTING**
6565 **ALL WASTE RECYCLING**
6565 **RECYCLED FIBERS CA**
6600 **OATEY CO**
6655 **COLE J S CO**
6655 **FERMA CORPORATION**
6700 **MOTOR CARGO**
6723 **XXXX**
6851 **XXXX**
6880 **CA OIL RECYCLERS**
6880 **EVERGREEN OIL**
6899 **FIVE STAR LUMBER**

1995-96
SOURCE: HAINES

SYCAMORE STREET

37600 **NIELSEN WOOD SHOP**
37625 **XXXX**
37650 **RESIDENTIAL LISTING**

1990
SOURCE: HAINES

CENTRAL AVENUE

6451 XXXX
6590 AMER NATL CAN
6711 LITZ FRAME AND TOWING
6756 HILL D TRUCKING
6756 BAY CITIES MTL PRDS
6756 BAY MIRROR INC
6756 J AND J PALLET CO
6775 MATHESON GAS PRODCT
6821 M M E CO
6925 FULLER H B COMPANY
6995 PERDUE TIRE INC
6995 K C AUTO DIESEL ELC
7091 XXXX

1990
SOURCE: HAINES

CHERRY STREET

37530 RESIDENTIAL LISTING
37707 XXXX
37849 ALCAL RFNG AND INSULATN
37851 ALCAL ROOFNG AND INSLTN
37851 PABCO GYPSUM
37853 TRANSPORT TRUCK SHP
38021 NEWARK ELECTRIC SPL
38083 INTL PAPER CO
38201 GEN MAR
38201 SELECT CARRIERS INC
38201 TNT INC
38201 VALLES J TRUCKING
38403 THORO SYSTEM PRDCTS

1990 CLARK AVENUE

SOURCE: HAINES

6544 **RESIDENTIAL LISTING**
6564 **RESIDENTIAL LISTING**
6691 **FRITO LAY INC**
6969 **TWO COUNT CO CONSTR**

1990 REDEKER PLACE

SOURCE: HAINES

STREET NOT LISTED

1990
SOURCE: HAINES

SMITH AVENUE

6437 **RESIDENTIAL LISTING**
6565 **ARATA WESTERN INC**
6565 **CIRCO RECYCLERS**
6600 **OATEY CO**
6655 **COLE J S CO**
6655 **FERMA CORPORATION**
6700 **MOTOR CARGO**
6723 **XXXX**
6851 **GRACE W R AND CO**
6851 **ZONOLITE CONSTR PRD**
6880 **CA OIL RECYCLERS**
6880 **EVERGREEN OIL**
6899 **FIVE STAR LUMBER**

1990
SOURCE: HAINES

SYCAMORE STREET

37600 **NIELSEN WOOD SHOP**
37625 **DISCOUNT TIRE DISTB**
37650 **XXXX**

1985 CENTRAL AVENUE

SOURCE: HAINES

6451 **FILSON TIM CONSTR**
6590 **GUARDIAN PACKAGING**
6590 **INTERPACK INC**
6711 **84 LUMBER CO**
6756 **B H J DRIVELINE**
6756 **B H J PRODUCTS**
6756 **B H J SPCLTY PARTS**
6756 **BAY CITIES MTL PRDS**
6756 **BAY MIRROR INC**
6756 **BAY TEMP SFTY GLASS**
6756 **LEDAWN CONSTRUCTION**
6756 **M AND M PALLET CO**
6756 **MAS ON LTD**
6775 **MATHESON GAS PRODCT**
6821 **M M E CO**
6925 **FULLER H B COMPANY**
6925 **PAISLEY PRODUCTS**
6995 **GERARD TIRE SERVICE**
7091 **PIONEER PLANING MILL**
7091 **REDWD LUMBER SUPPLY**

1985 CHERRY STREET

SOURCE: HAINES

37530 **RESIDENTIAL LISTING**
37707 **PAPER MANUFACTURERS**
37851 **ALCAL ROOFNG AND INSLTN**
37851 **PABCO GYPSUM**
37853 **TRANSPORT SV CT CO**
38021 **NEWARK ELECTRIC SPL**
38083 **INTL PAPER CO**
38083 **STECHER TRNG CORP**
38201 **GEN MAR**
38201 **DALLAS AND MAVIS FORWRD**
38403 **THORO SYSTEMS CALIF**
38403 **STANDARD DRY WL PRD**

1985 CLARK AVENUE
SOURCE: HAINES

6544 **RESIDENTIAL LISTING**
6564 **XXXX**
6691 **C S B CONSTRUCTION**

1985 REDEKER PLACE
SOURCE: HAINES

STREET NOT LISTED

1985
SOURCE: HAINES

SMITH AVENUE

6437 **RESIDENTIAL LISTING**
6565 **BARNARD ENTERPRIZE**
6565 **CIRCO GLASS CO**
6565 **G AND B ENTERPRISES**
6565 **SANJUAN FBRGLS POOL**
6600 **OATEY CO**
6655 **FERMA CORPORATION**
6723 **XXXX**
6851 **GRACE W R AND CO**
6851 **ZONOLITE CONSTR PRD**
6899 **COMMERCL MINERALS**

1985
SOURCE: HAINES

SYCAMORE STREET

37555 **XXXX**
37625 **GERARD TIRE SERVICE**
37650 **XXXX**

1981 CENTRAL AVENUE

SOURCE: HAINES

6451 **MODERN PARTITION SL**
6590 **GUARDIAN PACKAGING**
6590 **INTERPACK INC**
6756 **B H J PRODUCTS**
6756 **BAY CITIES MTL PRDS**
6756 **CIRCO GLASS**
6756 **GALE CORP**
6756 **M AND M PALLET CO**
6756 **MASON LTD**
6756 **MOBILE FACILTES**
6775 **MATHESON GAS PRODCT**
6821 **M M E CO**
6821 **FINER FILTER PRDCTS**
6821 **PAL PRODUCTS**
6925 **FULLER H B COMPANY**
6925 **PAISLEY PRODUCTS**
6995 **GERARD TIRE SERVICE**
7091 **XXXX**

1981 CHERRY STREET

SOURCE: HAINES

37530 **XXXX**
37707 **PAPER MANUFACTURERS**
37851 **PABCO GYPSUM**
37853 **TRANSPORT SERVICE**
38083 **COLUMBUS COATD FBRC**
38201 **GEN MAR**
38201 **DALLAS AND MAVIS FORWRD**
38403 **THORO SYSTEMS CALIF**
38403 **STANDARD DRY WL PRD**

1981
SOURCE: HAINES

CLARK AVENUE

6544 **RESIDENTIAL LISTING**
6564 **RESIDENTIAL LISTING**

1981
SOURCE: HAINES

REDEKER PLACE

STREET NOT LISTED

1981
SOURCE: HAINES

SMITH AVENUE

6437 **RESIDENTIAL LISTING**
6565 **FIBER GLASS TECH**
6565 **WINCHESTER CO**
6655 **GRAY TRUCK CO**
6723 **NEWARK TRAILER AND BOAT**
6851 **GRACE W R AND CO**
6851 **ZONOLITE CONSTR PRD**
6899 **COMMERCL MINERALS**

1981
SOURCE: HAINES

SYCAMORE STREET

37555 **BOWMAN INDUSTRIES**
37625 **GERARD TIRE SERVICE**
37650 **XXXX**

1976
SOURCE: HAINES

CENTRAL AVENUE

6451 **RESIDENTIAL LISTING**
6590 **GUARDIAN PACKAGING**
6590 **INTERPACK INC**
6756 **BERMICO CO**
6775 **MATHESON GAS PRODCT**
6821 **JANICH BROS INC**
6925 **PAISLEY PRODUCTS**
6995 **GERARD TIRE SERVICE**
6995 **TIRE WORLD INC**
7091 **B AND I PLASTICS**

1976
SOURCE: HAINES

CHERRY STREET

37530 **RESIDENTIAL LISTING**
37707 **PAPER MANUFACTURERS**
37851 **CALIF GYPSUM PRD**
37851 **MODERN TRUCKING**
38083 **COLUMBUS COATD FBRC**
38201 **GEN MAR**
38201 **DALLAS AND MAVIS FORWRD**
38403 **STANDRD DRY WALL**

1976 CLARK AVENUE
SOURCE: HAINES

6544 **RESIDENTIAL LISTING**
6564 **RESIDENTIAL LISTING**

1976 REDEKER PLACE
SOURCE: HAINES

STREET NOT LISTED

1976
SOURCE: HAINES

SMITH AVENUE

6373 **RESIDENTIAL LISTING**
6565 **WESTERN OVERHEAD DR**
6655 **GRAY TRUCK CO**
6655 **HANES TRUCK SERVICE**
6851 **GRACE W R AND CO**
6851 **ZONOLITE CONSTR PRDT**
6899 **COMMRCL MINERALS CO**

1976
SOURCE: HAINES

SYCAMORE STREET

37555 **BOWMAN INDUSTRIES**
37625 **GERARD TIRE GEN OFC**

1969
SOURCE: STREET ADDRESS DIRECTORY

CENTRAL AVENUE

6467 **RESIDENTIAL LISTING**
6590 **GUARDIAN PACKAGING CORP**
6756 **FLINTKOTE CO PIPE PRODUCTS GROUP**
6775 **MATHESON GAS PRODUCTS DIVISION OF WI...**
6821 **JANICH BROS INC**
6925 **PAISLEY PRODUCTS INC DIV OF STANDARD**
6995 **GERARD TIRE SERVICE**
7091 **A B AND I PLASTICS**

1969
SOURCE: STREET ADDRESS DIRECTORY

CHERRY STREET

37560 **RESIDENTIAL LISTING**
37707 **PAPER MANUFACTURERS COMPANY**
38083 **BORDEN CHEMICAL CO COLUMBUS COATED**
38201 **HARRIS WESTERN CO**
38201 **DALLAS AND MAVIS FORWARDING CO INC**
38505 **MODULUX INC**

1969 CLARK AVENUE

SOURCE: STREET ADDRESS DIRECTORY

6544 **RESIDENTIAL LISTING**
6564 **RESIDENTIAL LISTING**

1969 REDEKER PLACE

SOURCE: STREET ADDRESS DIRECTORY

STREET NOT LISTED

1969
SOURCE: STREET ADDRESS DIRECTORY

SMITH AVENUE

6437 **CLIFFS DRILLING**
6565 **WESTERN OVERHEAD DOOR**
6851 **CALIF ZONOLITE CO**
6899 **COMMERCIAL MINERALS CO**

1969
SOURCE: STREET ADDRESS DIRECTORY

SYCAMORE STREET

37555 **BOWMAN INDUSTRIES INC**
37650 **SIERRA CHEMICAL CO**
37650 **AGRIFORM INTERNATIONAL CHEMICALS INC**

1962
SOURCE: STREET ADDRESS DIRECTORY

CENTRAL AVENUE

6451 **RESIDENTIAL LISTING**
6520 **NEWARK METAL POLISHNG**
6565 **WEEK END WET MIX**
6590 **GUARDIAN PAPER CO**
6756 **ORANGEBURG MFG CO**
6775 **MATHESON CO INC THE**
6821 **JANICH BROS INC**
6995 **RIC WIL INC**
7091 **AMERICAN BRASS AND IRON**

1962
SOURCE: STREET ADDRESS DIRECTORY

CHERRY STREET

37560 **RESIDENTIAL LISTING**
37707 **PAPER MANUFACTURERS**
37851 **PABCO FIBERBOARD**
37851 **FIBRBOARD PAPER PRDCT**
38083 **BEMIS BRO BAG CO**
38505 **NIKKEL R F LUMBER CO**
38505 **NATL HOMES CORP**

1962
SOURCE: STREET ADDRESS DIRECTORY

CLARK AVENUE

STREET NOT LISTED

1962
SOURCE: STREET ADDRESS DIRECTORY

REDEKER PLACE

STREET NOT LISTED

1962
SOURCE: STREET ADDRESS DIRECTORY

SYCAMORE STREET

37456 **RESIDENTIAL LISTING**
37650 **AMERLOY INC DIV**

1962
SOURCE: STREET ADDRESS DIRECTORY

SMITH AVENUE

NO LISTINGS IN RANGE

1956
SOURCE: STREET ADDRESS DIRECTORY

CENTRAL AVENUE

NO LISTINGS IN RANGE

1956
SOURCE: STREET ADDRESS DIRECTORY

CHERRY STREET

NO LISTINGS IN RANGE

1956
SOURCE: STREET ADDRESS DIRECTORY

CLARK AVENUE

STREET NOT LISTED

1956
SOURCE: STREET ADDRESS DIRECTORY

REDEKER PLACE

STREET NOT LISTED

1956
SOURCE: STREET ADDRESS DIRECTORY

SMITH AVENUE

NO LISTINGS IN RANGE

1956
SOURCE: STREET ADDRESS DIRECTORY

SYCAMORE STREET

NO LISTINGS IN RANGE

--- END REPORT ---

ENVIRONMENTAL RISK INFORMATION SERVICES

FIRE INSURANCE MAPS

Project Property:	*6756 and 6792 Central Avenue* *6756 and 6792 Central Avenue* *Newark CA 94560*
Project No:	
Requested By:	*Farallon Consulting*
Order No:	*20190228121*
Date Completed:	*March 01, 2019*

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		20190228121p
Date Completed:		February 28, 2019
Project Number:		
Project Property:		6756 and 6792 Central Avenue 6756 and 6792 Central Avenue Newark CA 94560
Coordinates:		
	Latitude:	37.524769
	Longitude:	-122.027503
	UTM Northing:	4153533.50317 Meters
	UTM Easting:	585931.722433 Meters
	UTM Zone:	UTM Zone 10S
	Elevation:	19.34 ft
	Slope Direction:	W

Topographic Information....2
Hydrologic Information....4
Geologic Information....7
Soil Information....9
Wells and Additional Sources....12
  Summary....13
  Detail Report....15
Radon Information....45
Appendix....46
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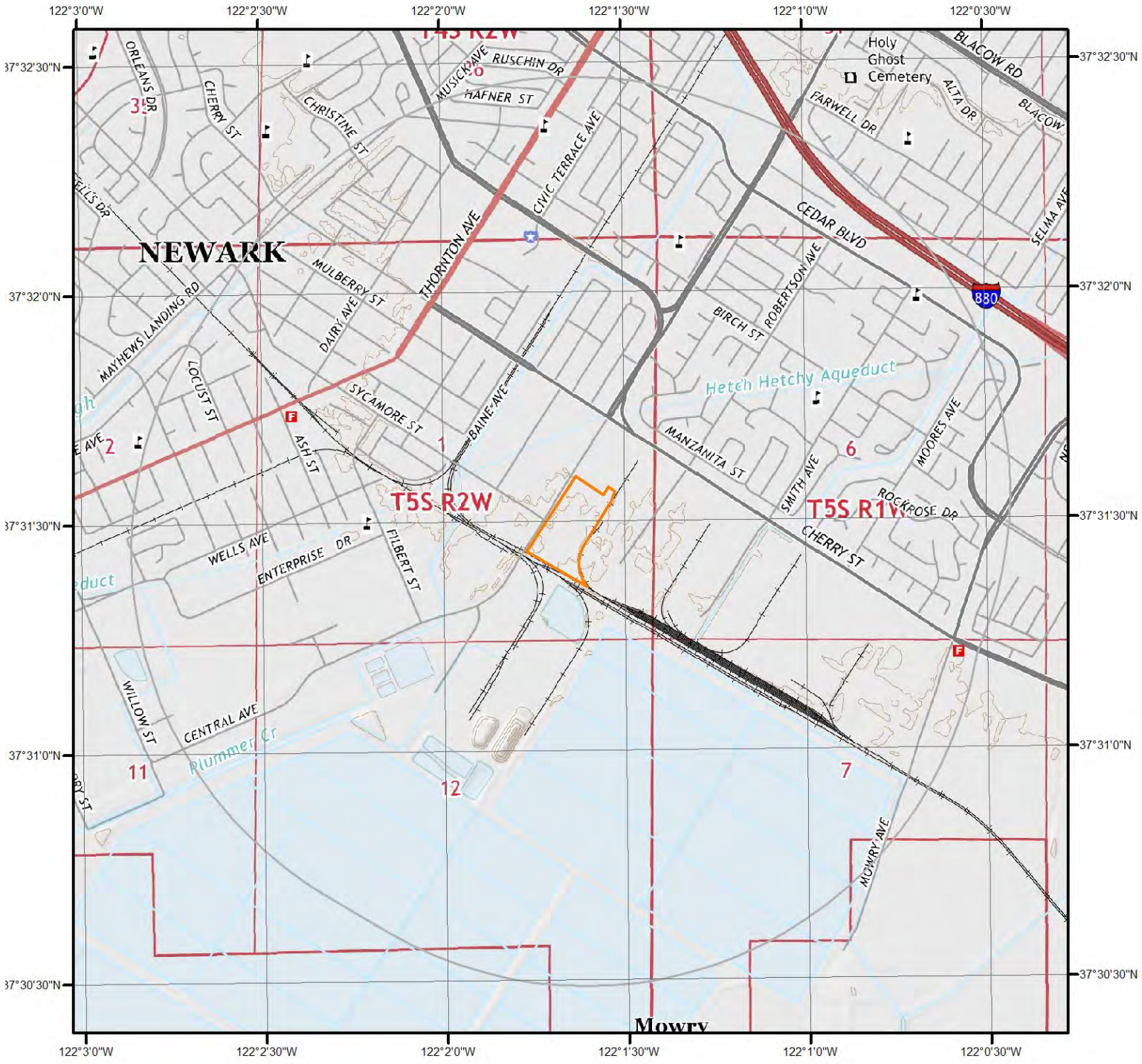
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

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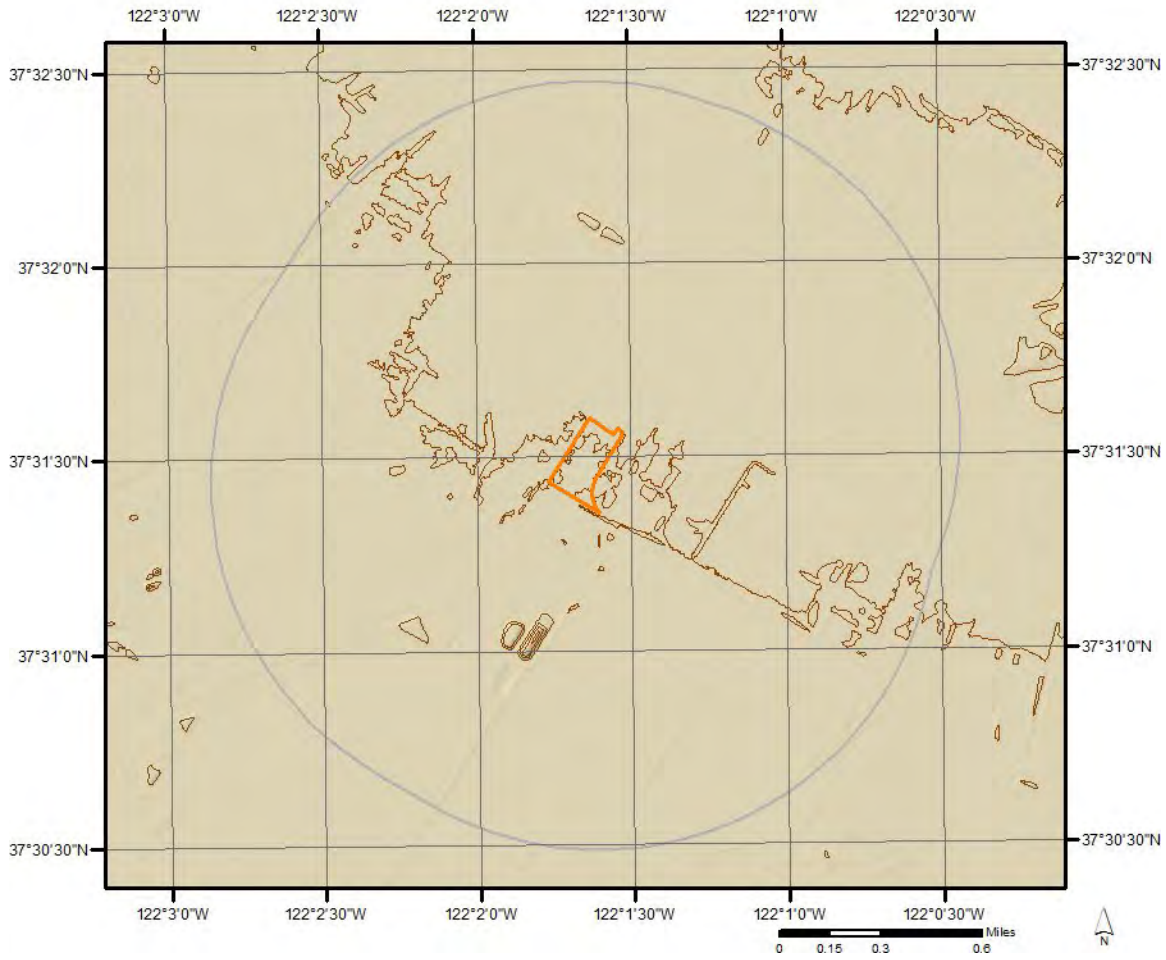
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	19.34 ft
Slope Direction:	W



Hydrologic Information



Wetland

0 0.075 0.15 0.3 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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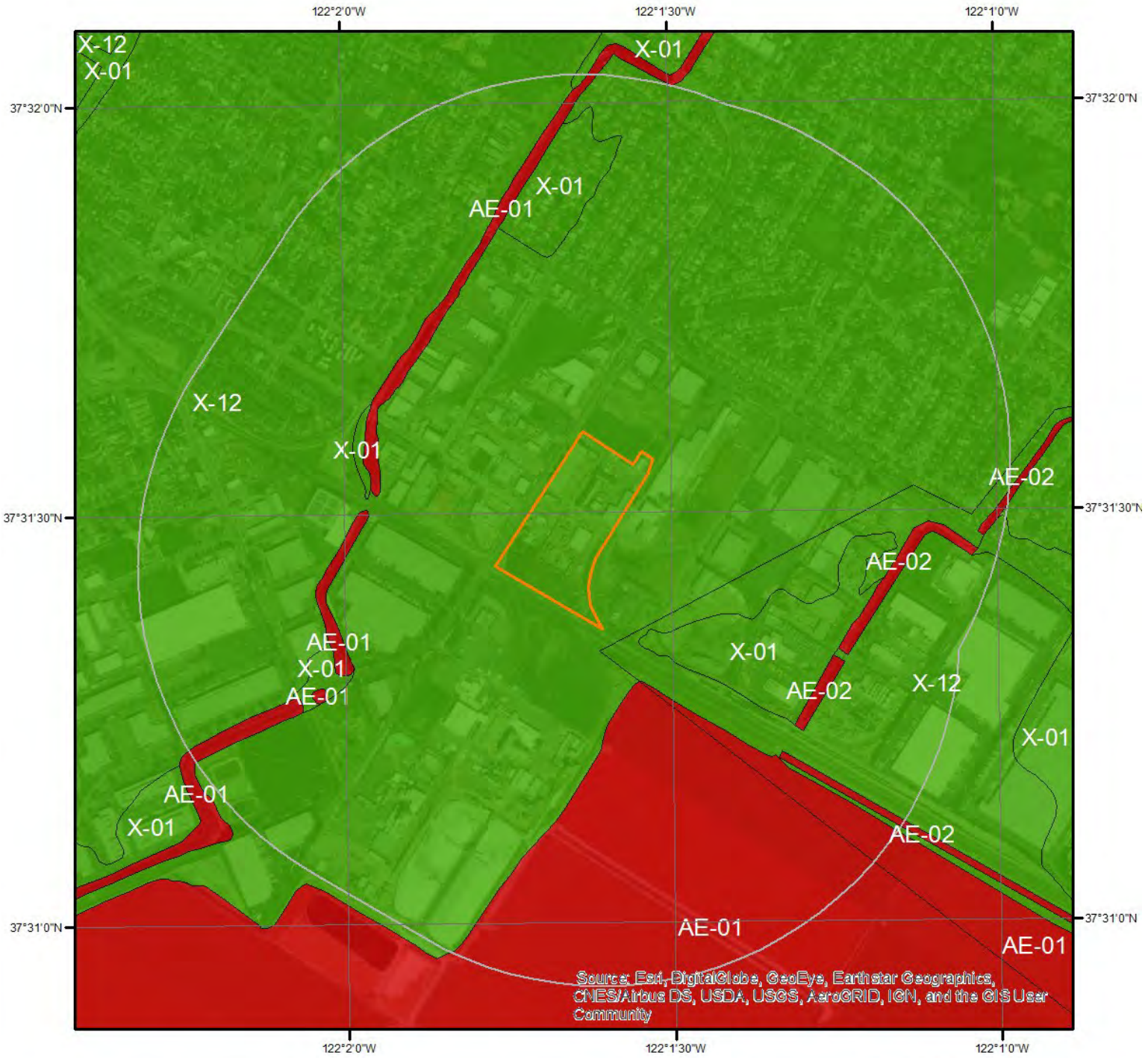
ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information



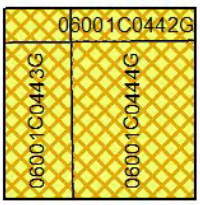
Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.125 0.25

A	AH	VE	OPEN WATER
A99	AO	D	NOT POPULATED
AE	V	X	AREA NOT INCLUDED

N



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ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06001C0443G(effective:2009-08-03) 06001C0441G(effective:2009-08-03) 06001C0444G(effective:2009-08-03) 06001C0442G(effective:2009-08-03)

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone AE-02

Zone:	AE
Zone subtype:	1 PCT ANNUAL CHANCE FLOOD HAZARD CONTAINED IN CHANNEL

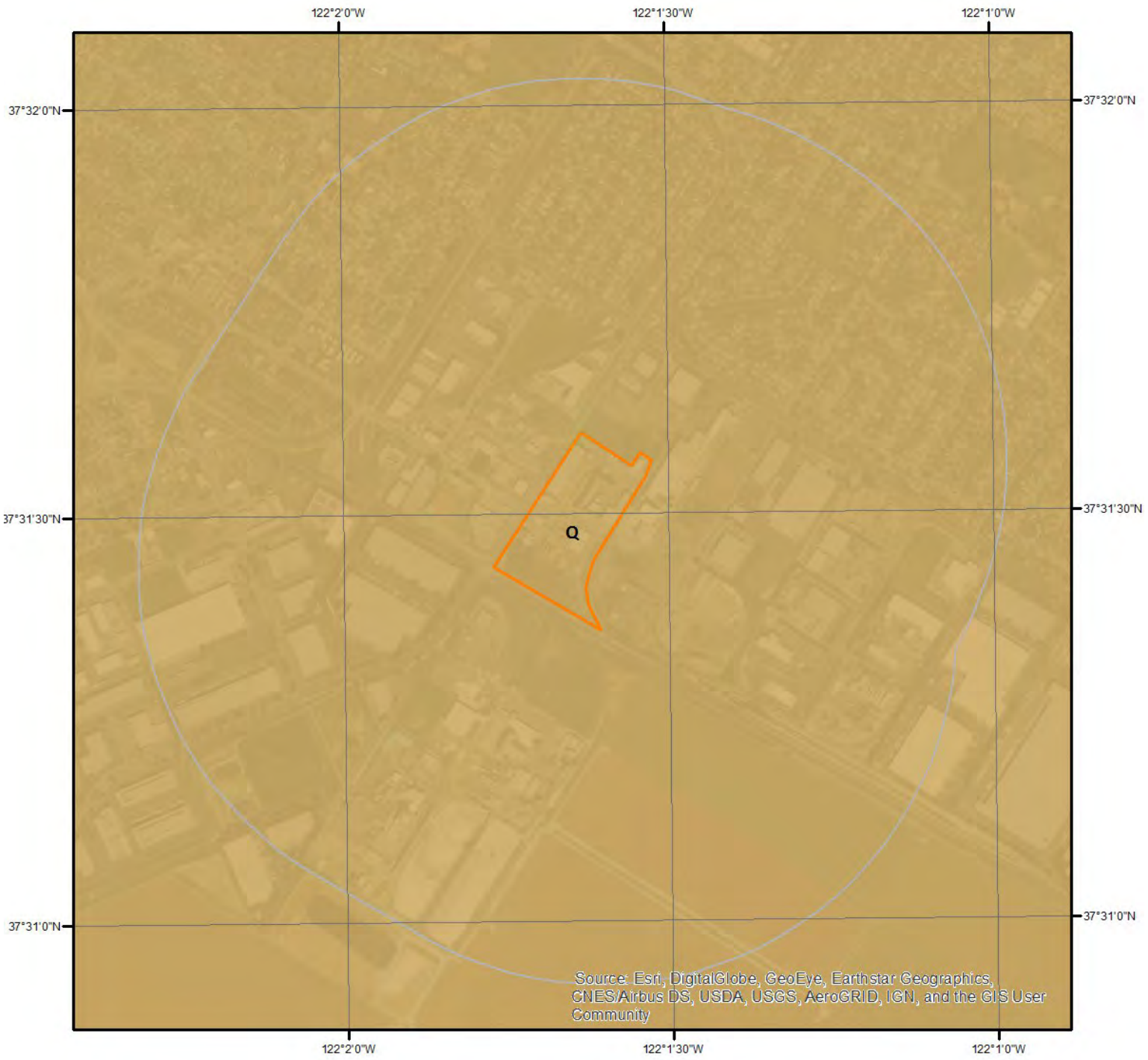
Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Miles
0 0.2 0.4

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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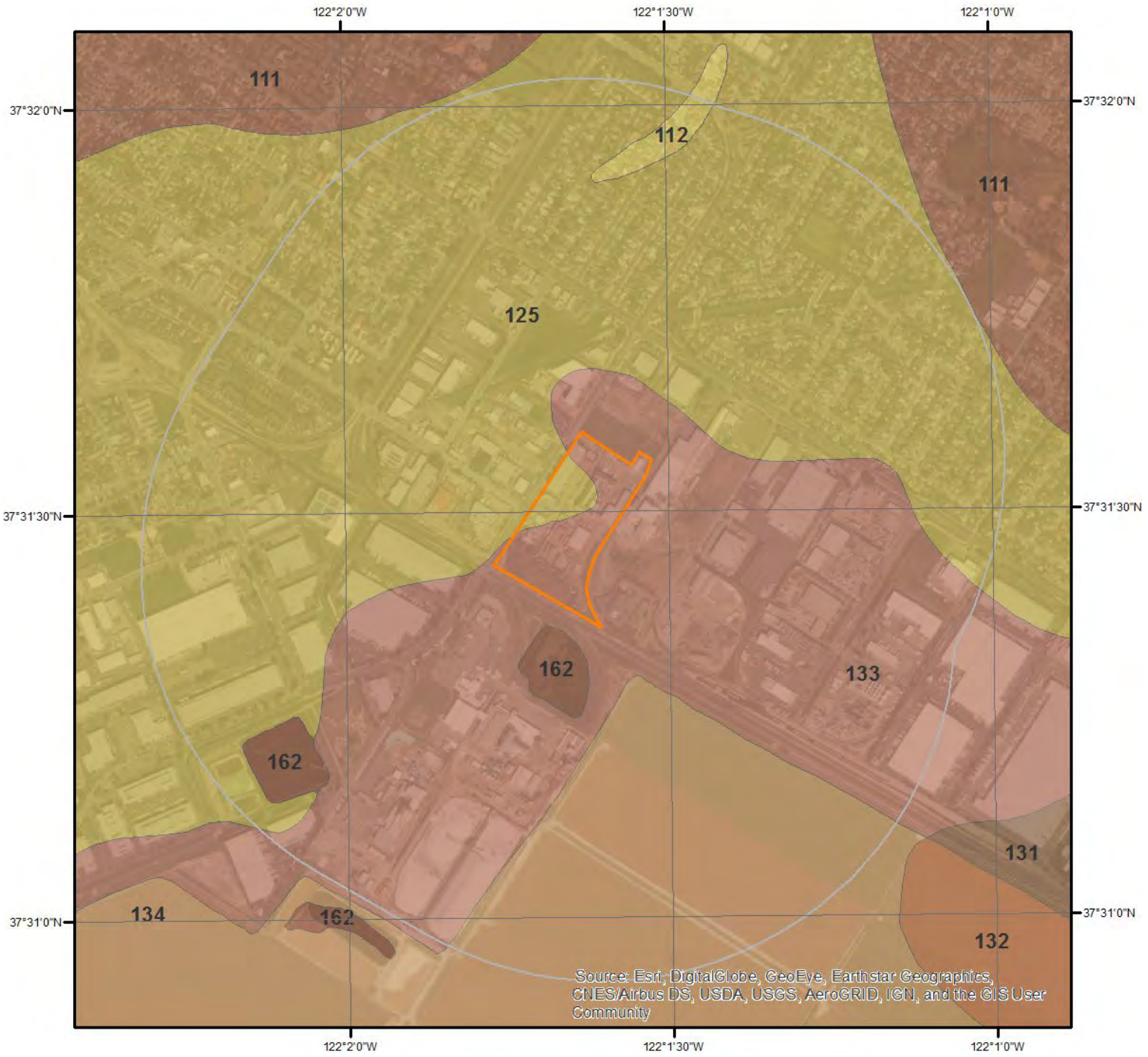
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 112

Map Unit Name:	Danville silty clay loam, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Danville(85%)	
horizon H1(0cm to 53cm)	Silty clay loam
horizon H2(53cm to 135cm)	Silty clay
horizon H3(135cm to 203cm)	Silty clay loam

Map Unit 125

Map Unit Name:	Marvin silt loam, saline-alkali
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	145cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Marvin(85%)	
horizon H1(0cm to 10cm)	Silt loam
horizon H2(10cm to 91cm)	Clay
horizon H3(91cm to 152cm)	Clay loam

Map Unit 133

Map Unit Name:	Pescadero clay, drained
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	153cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Pescadero(85%)	
horizon H1(0cm to 5cm)	Clay loam
horizon H2(5cm to 76cm)	Clay
horizon H3(76cm to 152cm)	Clay loam

Map Unit 134

Soil Information

Map Unit Name:	Pescadero clay, ponded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	85cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Pescadero(85%)	
horizon H1(0cm to 5cm)	Clay loam
horizon H2(5cm to 76cm)	Clay
horizon H3(76cm to 152cm)	Clay loam

Map Unit 162

Map Unit Name:	Water

No more attributes available for this map unit

Wells and Additional Sources



Wells & Additional Sources

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

N

0 0.15 0.3 0.6 Miles

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
1	CA0104010	1,699.04	WSW

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW
1	CA0104010	1,699.04	WSW

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
4	USGS-373200122010001	4,756.18	NNE
5	USGS-373150122003201	4,774.58	ENE

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Supply Wells

Map Key	WCR No	Distance (ft)	Direction
2	WCR1974-000059	3,217.50	ENE
3	WCR1998-000621	3,787.37	SSW

Wells and Additional Sources Summary

Water Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Investigation Program Case List

Map Key	ID	Distance (ft)	Direction
	No records found		

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	PWSV

Address Line 2:
State Code: CA
Zip Code: 94560-4200
City Name: NEWARK
Address Line 1: 7380 MORTON AVENUE
PWS ID: CA0104010
PWS Type Code: NTNCWS
PWS Type Description: Non-Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: N
PWS Activity Description: Non-public
PWS Deactivation Date: 10/06/2015
Phone Number: 510-795-4538

--Details--
Population Served Count: 71
City Served:
County Served: Alameda
State Served: CA
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	54526	Pop Cat 11 Cd:	1
Facility Name:	ACWD TEMPORARY SERVICE CONNECTION	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	13-FEB-14	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538

Wells and Additional Sources Detail Report

Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	Y	Seller Trt Dsc:	Partially treated by seller
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	CA0110001
Outstndng Perf Dt:	-	Sllr PWS Nm:	ALAMEDA COUNTY WATER DISTRICT
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	007
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

Wells and Additional Sources Detail Report

PWS ID:	CA0104010	Pop Cat 11:	101-500
Facility ID:	CA0104010003	Pop Cat 11 Cd:	2
Facility Name:	WELL 08	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	510-795-4565
Activity Status:	Active	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	110
Is Grant Eligible:	Yes	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-

Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	1645	Pop Cat 11 Cd:	1
Facility Name:	WELL 06 - TREATED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	30-JUN-09	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-

Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	005
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	12345	Pop Cat 11 Cd:	1
Facility Name:	WELL 08	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-

Wells and Additional Sources Detail Report

Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	Y	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	003
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	18966	Pop Cat 11 Cd:	1
Facility Name:	WELL 07 - DESTROYED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K

Wells and Additional Sources Detail Report

Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JUL-95	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	002
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-

Treatment Plant Zip Code: -
Treatment Comments: -

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	24728	Pop Cat 11 Cd:	1
Facility Name:	DISTRIBUTION SYSTEM	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	DS	Phone Ext No:	-
Facility Type Desc:	Distribution System/Zone	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	DST
Is Wholesaler:	No	Sub Quarter:	1

Wells and Additional Sources Detail Report

Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	101-500
Facility ID:	3	Pop Cat 11 Cd:	2
Facility Name:	WELL 08	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	510-795-4565
Activity Status:	Active	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State

Wells and Additional Sources Detail Report

Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	110
Is Grant Eligible:	Yes	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	CA0104010001	Pop Cat 11 Cd:	1
Facility Name:	WELL 06	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-

Wells and Additional Sources Detail Report

Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100

Wells and Additional Sources Detail Report

Facility ID:	1646	Pop Cat 11 Cd:	1
Facility Name:	BLENDING TANK	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	006
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	10809
Treatment Process Code:	421
Treatment Process:	Hypochlorination, Post
Treatment Objective	D

Code:	
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	HYPOCHLORINATION, POST

Treatment ID:	13636
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	RAPID MIX

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	54937	Pop Cat 11 Cd:	1
Facility Name:	WELL 9	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-

Wells and Additional Sources Detail Report

GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	009
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	CA0104010002	Pop Cat 11 Cd:	1
Facility Name:	WELL 07 - DESTROYED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	<=500

Wells and Additional Sources Detail Report

First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	CA0104010004	Pop Cat 11 Cd:	1
Facility Name:	WELL 08 - TREATED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

Wells and Additional Sources Detail Report

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	101-500
Facility ID:	CA0104010006	Pop Cat 11 Cd:	2
Facility Name:	BLENDING TANK EFFLUENT	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	510-795-4565
Activity Status:	Active	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported

Subms Sts Cd Vio:	U	Pop Srvd Cnt:	110
Is Grant Eligible:	Yes	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Treatment ID:	01
Treatment Process Code:	600
Treatment Process:	Rapid Mix
Treatment Objective Code:	I
Treatment Objective:	Inorganics removal
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	101-500
Facility ID:	4	Pop Cat 11 Cd:	2
Facility Name:	WELL 08 - TREATED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	WH	Phone Ext No:	-
Facility Type Desc:	Wellhead	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	510-795-4565
Activity Status:	Active	Email Addr:	AABUTIN@MORTONSALT.COM

Wells and Additional Sources Detail Report

Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	110
Is Grant Eligible:	Yes	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	101-500
Facility ID:	CA0104010007	Pop Cat 11 Cd:	2
Facility Name:	ACWD TEMPORARY SERVICE CONNECTION	Pop Cat 2:	<10,000

Wells and Additional Sources Detail Report

EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	18-DEC-13	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	CC	Phone Ext No:	-
Facility Type Desc:	Consecutive Connection	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	510-795-4565
Activity Status:	Active	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	SW	Wtr Tp Desc:	Surface water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	N	Seller Trt Dsc:	Not treated
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	110
Is Grant Eligible:	Yes	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	CA0110001
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-

Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	CA0104010009	Pop Cat 11 Cd:	1
Facility Name:	WELL 9	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	O	Avlblty Desc:	Other
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US

Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	CA0104010005	Pop Cat 11 Cd:	1
Facility Name:	WELL 06 - TREATED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	01-JAN-01	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater

LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	01
Treatment Process Code:	421
Treatment Process:	Hypochlorination, Post
Treatment Objective Code:	D
Treatment Objective:	Disinfection
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	101-500
Facility ID:	1	Pop Cat 11 Cd:	2
Facility Name:	WELL 06	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	12-31	Pop Cat 4:	<10K
Deactivation Date:	-	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	-	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1

Wells and Additional Sources Detail Report

Last Rptd Date:	18-DEC-13	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	A	Fax No:	510-795-4565
Activity Status:	Active	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	P	Avlblty Desc:	Permanent
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	A	Fac Activity:	Active
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	SW	GW or SS:	Surface water
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	SWP	Primary Srce:	Surface water purchased
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Unreported
Subms Sts Cd Vio:	U	Pop Srvd Cnt:	110
Is Grant Eligible:	Yes	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	U	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	Yes	State Fac ID:	-
Is Wholesaler:	No	Sub Quarter:	4
Submission Year:	2013	Validity Ind:	No
Submission Yr Qrtr:	2013Q4		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	1644	Pop Cat 11 Cd:	1
Facility Name:	WELL 08 - TREATED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	30-JUN-09	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	No	Phone No:	510-795-4538
Facility Type Cd:	TP	Phone Ext No:	-
Facility Type Desc:	Treatment Plant	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	-	Avlblty Desc:	-
Water Type Code:	-	Wtr Tp Desc:	-
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71
Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	-	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	004
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.32	1,699.04	15.58	SDWIS

PWS ID:	CA0104010	Pop Cat 11:	<=100
Facility ID:	12543	Pop Cat 11 Cd:	1
Facility Name:	WELL 06 - DESTROYED	Pop Cat 2:	<10,000
EPA Region Code:	09	Pop Cat 2 Cd:	1
EPA Region:	Region 9	Pop Cat 3:	<=3300
Season Begin Date:	01-01	Pop Cat 3 Cd:	1
Season End Date:	01-31	Pop Cat 4:	<10K
Deactivation Date:	10-JUN-15	Pop Cat 4 Cd:	1
Fac Deactvtn Dt:	23-FEB-11	Pop Cat 5:	<=500
First Rptd Dt:	06-JAN-94	Pop Cat 5 Cd:	1
Last Rptd Date:	01-APR-16	ORG Name:	ABUTIN, ARSIE
Primacy Agency:	California	Admin Name:	ABUTIN, ARSIE
Is Source Ind:	Yes	Phone No:	510-795-4538
Facility Type Cd:	WL	Phone Ext No:	-
Facility Type Desc:	Well	Alt Phone No:	-
Activity Status Cd:	N	Fax No:	-
Activity Status:	Changed from public to non-public	Email Addr:	AABUTIN@MORTONSALT.COM
Availability Code:	E	Avlblty Desc:	Emergency
Water Type Code:	GW	Wtr Tp Desc:	Ground water
DBPR Schd Ctg Cd:	-	DBPR Schd Ctg:	-
Facility Activity Cd:	I	Fac Activity:	Inactive
Filtrtn Status Cd:	-	Filt Stat Desc:	-
GW or SW Code:	GW	GW or SS:	Groundwater
LT2 Sch Ctgry Cd:	-	LT2 Sched Ctg:	-
Owner Type Code:	P	Owner Type:	Private
PWS Type Code:	NTNCWS	PWS Type:	Non-Transient non-community system
Primcy Agency Cd:	CA	Primacy Type:	State
Primary Source Cd:	GW	Primary Srce:	Ground water
Seller Treatmnt Cd:	-	Seller Trt Dsc:	-
Submsn Status Cd:	Y	Sub Stat Dsc:	Reported and accepted
Subms Sts Cd Vio:	Y	Pop Srvd Cnt:	71

Is Grant Eligible:	No	Srvc Cnctn Cnt:	1
Outstnding Perfrm:	-	Seller PWSID:	-
Outstndng Perf Dt:	-	Sllr PWS Nm:	-
Schl or Dycare:	No	CDS ID:	-
Source Treated Ind:	N	Country Code:	US
Src Wtr Protected:	-	Cntry Nm BTP:	-
Src Wtr Prot Dt:	-	State Code:	CA
NPM Candidate:	No	State Fac ID:	001
Is Wholesaler:	No	Sub Quarter:	1
Submission Year:	2016	Validity Ind:	Yes
Submission Yr Qrtr:	2016Q1		

--Details--

Treatment ID:	-
Treatment Process Code:	-
Treatment Process:	-
Treatment Objective Code:	-
Treatment Objective:	-
Treatment Plant City:	-
Treatment Plant State:	-
Treatment Plant Addr 1:	-
Treatment Plant Addr 2:	-
Treatment Plant Zip Code:	-
Treatment Comments:	-

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NNE	0.90	4,756.18	34.93	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	248	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	268	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	ALAMEDA
Construction Date:	19740327	Latitude:	37.5386111
Source Map Scale:	24000	Longitude:	-122.0205278
Monitoring Loc Name:	004S001W31N001M		
Monitoring Loc Identifier:	USGS-373200122010001		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18050004		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area			

Unit:	
Horizontal Accuracy:	.5
Horizontal Accuracy Unit:	seconds
Horizontal Collection Mthd:	Mapping grade GPS unit (handheld accuracy range 12 to 40 ft)
Horiz Coord Refer System:	NAD83
Vertical Measure:	30
Vertical Measure Unit:	feet
Vertical Accuracy:	10
Vertical Accuracy Unit:	feet
Vertical Collection Mthd:	Interpolated from topographic map.
Vert Coord Refer System:	NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	ENE	0.90	4,774.58	29.24	FED USGS

Organiz Identifier:	USGS-CA	Formation Type:	
Organiz Name:	USGS California Water Science Center	Aquifer Name:	California Coastal Basin aquifers
Well Depth:	279	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	295	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	ALAMEDA
Construction Date:	19740411	Latitude:	37.5304928
Source Map Scale:	24000	Longitude:	-122.0099614
Monitoring Loc Name:	005S001W06H004M		
Monitoring Loc Identifier:	USGS-373150122003201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	18050004		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	26		
Vertical Measure Unit:	feet		
Vertical Accuracy:	5		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Public Water Supply Wells

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.61	3,217.50	27.94	PWSW

WCR No:	WCR1974-000059	Decimal Latitude:	37.52787
Legacy Log No:	115667	Decimal Longitude:	-122.0146
Permit Date:	None	Meth of Determ LL:	Derived from TRS
Permit No:	None	LL Accuracy:	Centroid of Section
Own Assign Well No:	None	Horizontal Datum:	None
Name of Well Owner:		Ground Surf Elev:	None
Planned Former Use:	Water Supply Public	Elevation Accuracy:	None
APN:	None	Elev Determine Meth:	None
Date Work Ended:	1974-04-11 00:00:00.000000000	Vertical Datum:	None
Received Date:		Township:	05S
Well Location:	CEDAR BLVD & SMITH AVE	Range:	01W
City:	None	Section:	06
County Name:	Alameda	Baseline Meridian:	Mount Diablo
Total Drill Depth:	None	Township Internal:	
Total Complete Dep:	295.0	Range Internal:	
Top Perforated Int:	199	Section Internal:	
Bottom Perf Intvl:	271	Tract Internal:	
Casing Diameter:	16	Sequence Internal:	
Drilling Method:	None	Baseline Merid Int:	
Fluid:	None	Decimal Lat Int:	
Static Water Level:	None	Decimal Long Int:	
Total Draw Down:	None	Meth of Det LL Int:	
Test Type:	None	LL Accuracy Intern:	
Pump Test Length:	None	Horiz Datum Int:	
Well Yield:	None	Grnd Surf Elev Int:	
Well Yield Unit:	None	Ele Accuracy Int:	
GW Basin:		Elev Det Meth Int:	
Mat Type Summary:		Vertical Datum Int:	
Attachment Info:			
Region Office:	DWR North Central Region Office		
Local Permit Agency:	Alameda County Water District		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
Workflow Status:	None		
Other Observations:	None		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SSW	0.72	3,787.37	14.46	PWSW

WCR No:	WCR1998-000621	Decimal Latitude:	37.51347
Legacy Log No:	453641	Decimal Longitude:	-122.03301
Permit Date:	None	Meth of Determ LL:	Derived from TRS
Permit No:	None	LL Accuracy:	Centroid of Section

Wells and Additional Sources Detail Report

Own Assign Well No:	None	Horizontal Datum:	None
Name of Well Owner:		Ground Surf Elev:	None
Planned Former Use:	Water Supply Public	Elevation Accuracy:	None
APN:	None	Elev Determine Meth:	None
Date Work Ended:	1998-08-14	Vertical Datum:	None
Received Date:		Township:	05S
Well Location:	7380 MORTON AVE	Range:	02W
City:	NEWARK	Section:	12
County Name:	Alameda	Baseline Meridian:	Mount Diablo
Total Drill Depth:	None	Township Internal:	
Total Complete Dep:	550.0	Range Internal:	
Top Perforated Int:	310	Section Internal:	
Bottom Perf Intvl:	350	Tract Internal:	
Casing Diameter:	12	Sequence Internal:	
Drilling Method:	Reverse Circulation	Baseline Merid Int:	
Fluid:	Bentonite	Decimal Lat Int:	
Static Water Level:	None	Decimal Long Int:	
Total Draw Down:	None	Meth of Det LL Int:	
Test Type:	None	LL Accuracy Intern:	
Pump Test Length:	None	Horiz Datum Int:	
Well Yield:	450	Grnd Surf Elev Int:	
Well Yield Unit:	GPM	Ele Accuracy Int:	
GW Basin:		Elev Det Meth Int:	
Mat Type Summary:		Vertical Datum Int:	
Attachment Info:			
Region Office:	DWR North Central Region Office		
Local Permit Agency:	Alameda County Water District		
Record Type:	WellCompletion/New/Production or Monitoring/NA		
Workflow Status:	None		
Other Observations:	None		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *ALAMEDA* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *ALAMEDA* County

No Measures/Homes:	60
Geometric Mean:	0.5
Arithmetic Mean:	0.8
Median:	0.7
Standard Deviation:	1
Maximum:	4
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Public Water Supply Wells **PWSW**

List of community water supply wells in California. This data was made available by California Department of Water Resources, Division of Statewide Integrated Water Management, who indicates that the management of the data in an ongoing project, and some county data is not represented. Location information is provided using the Public Land Survey System (PLSS) and is subject to the accuracy limitations inherent to the PLSS system.

Water Wells **WATER WELLS**

A list of water wells maintained by the Department of Water Resources (DWR) Water Data Library.

Well Investigation Program Case List **WIP**

The Well Investigation Program (WIP) was developed by the State Water Resources Control Board (SWRCB) to locate, assess and remediate sources of solvent contamination impacting drinking water wells. This list contains WIP cases (active and historical) for the San Gabriel and San Fernando Valley area and was provided by the Los Angeles Regional Water Quality Control Board.

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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ENVIRONMENTAL RISK INFORMATION SERVICES

TOPOGRAPHIC MAPS

Project Property:	*6756 and 6792 Central Avenue* *6756 and 6792 Central Avenue* *Newark CA 94560*
Project No:	
Requested By:	*Farallon Consulting*
Order No:	*20190228121*
Date Completed:	*March 01, 2019*

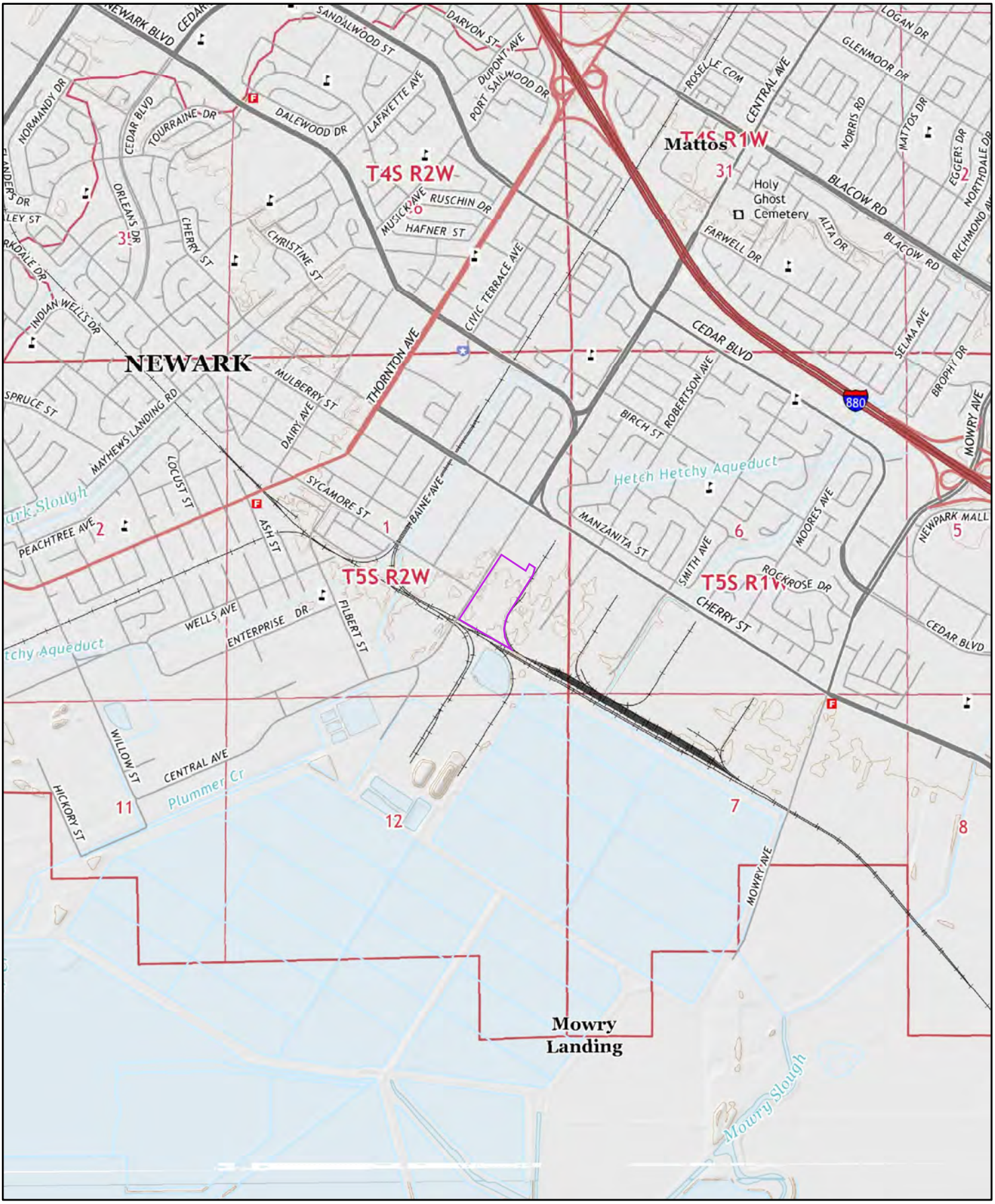
Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1997	7.5
1996	7.5
1980	7.5
1973	7.5
1968	7.5
1959	7.5
1948	7.5
1947	7.5
1959	15
1915	15
1899	15

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

No warranty of Accuracy or Liability for ERIS: *The information contained in this report has been produced by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS. This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.*



2015

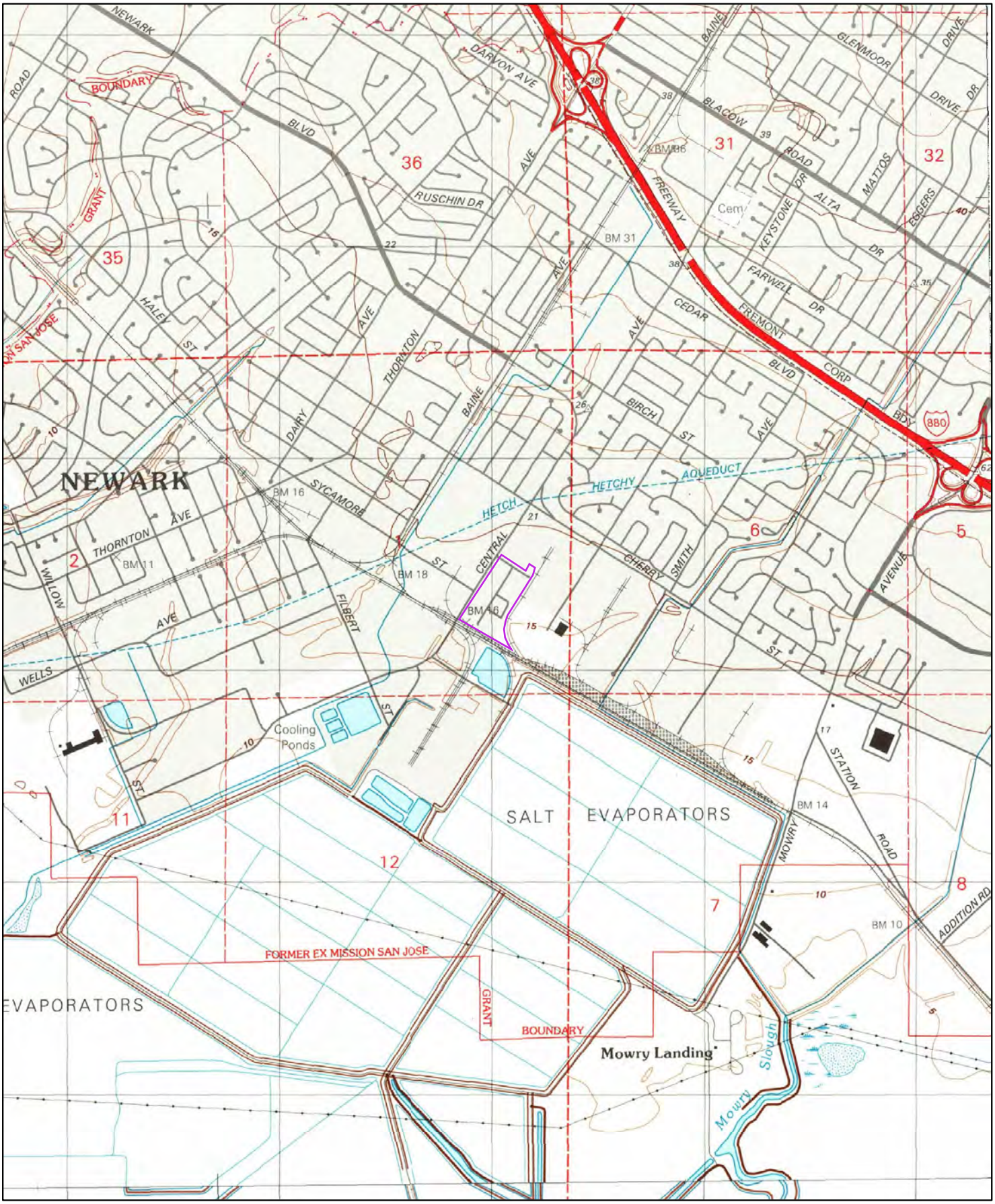
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1997

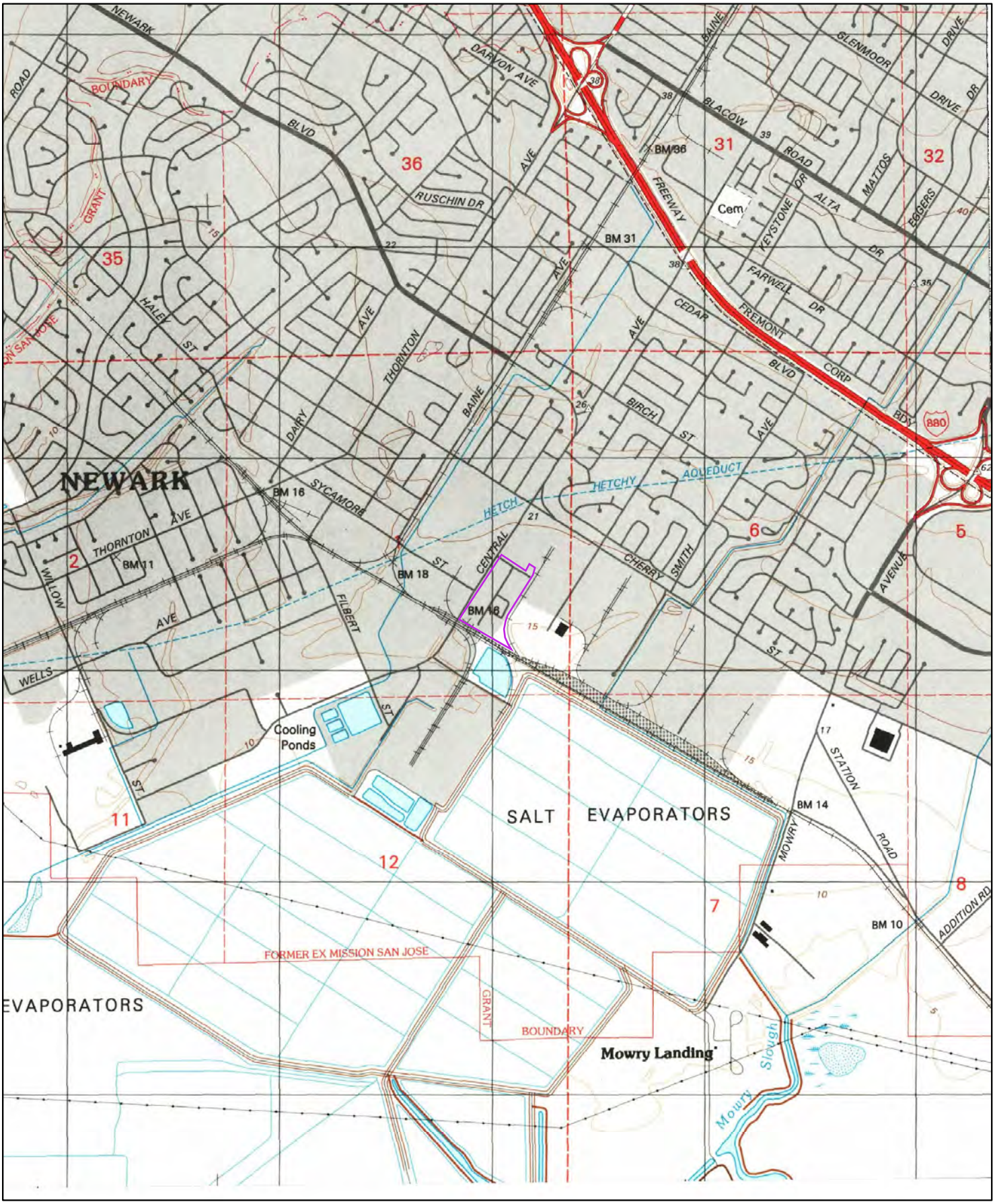
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1996

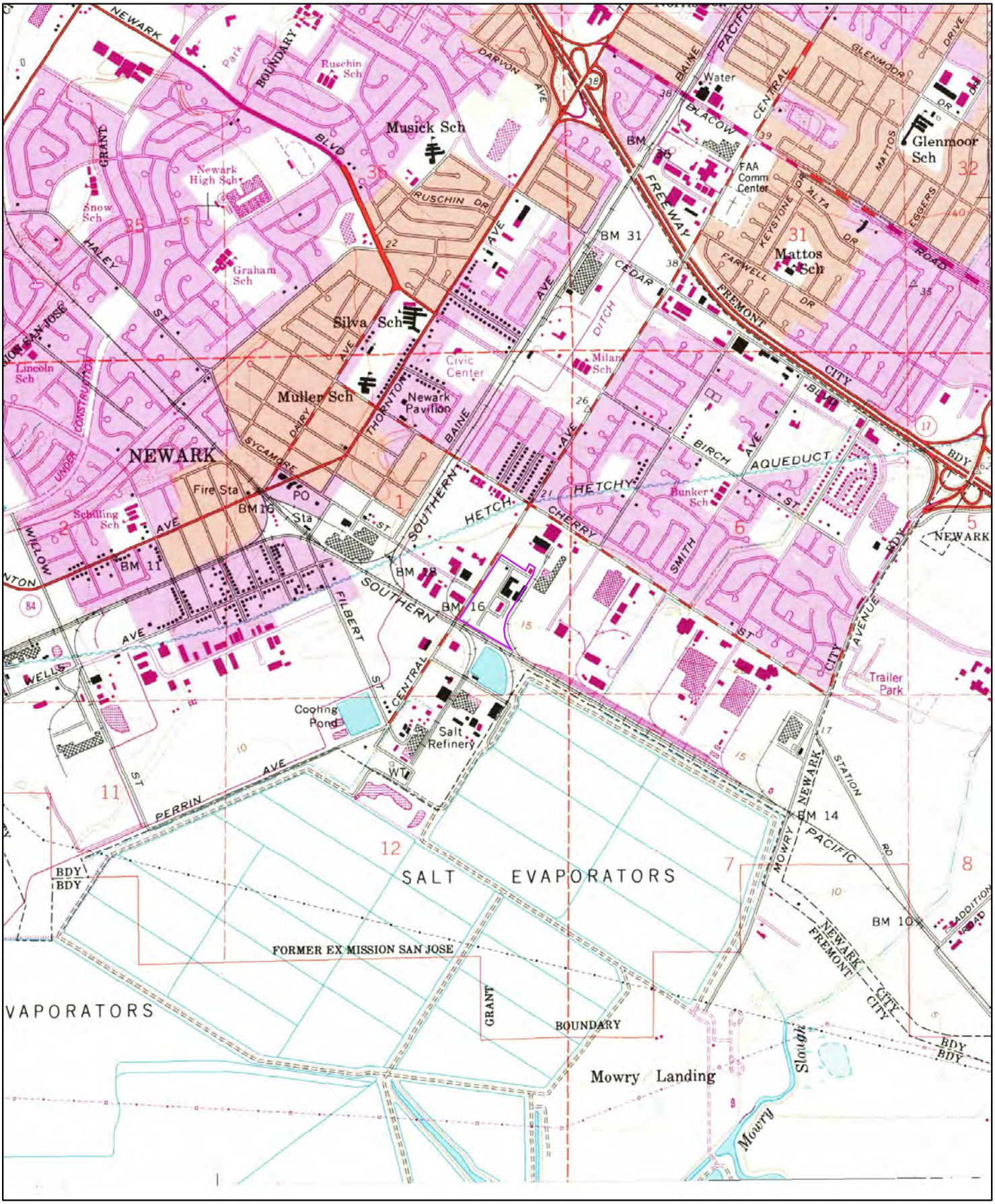
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1980

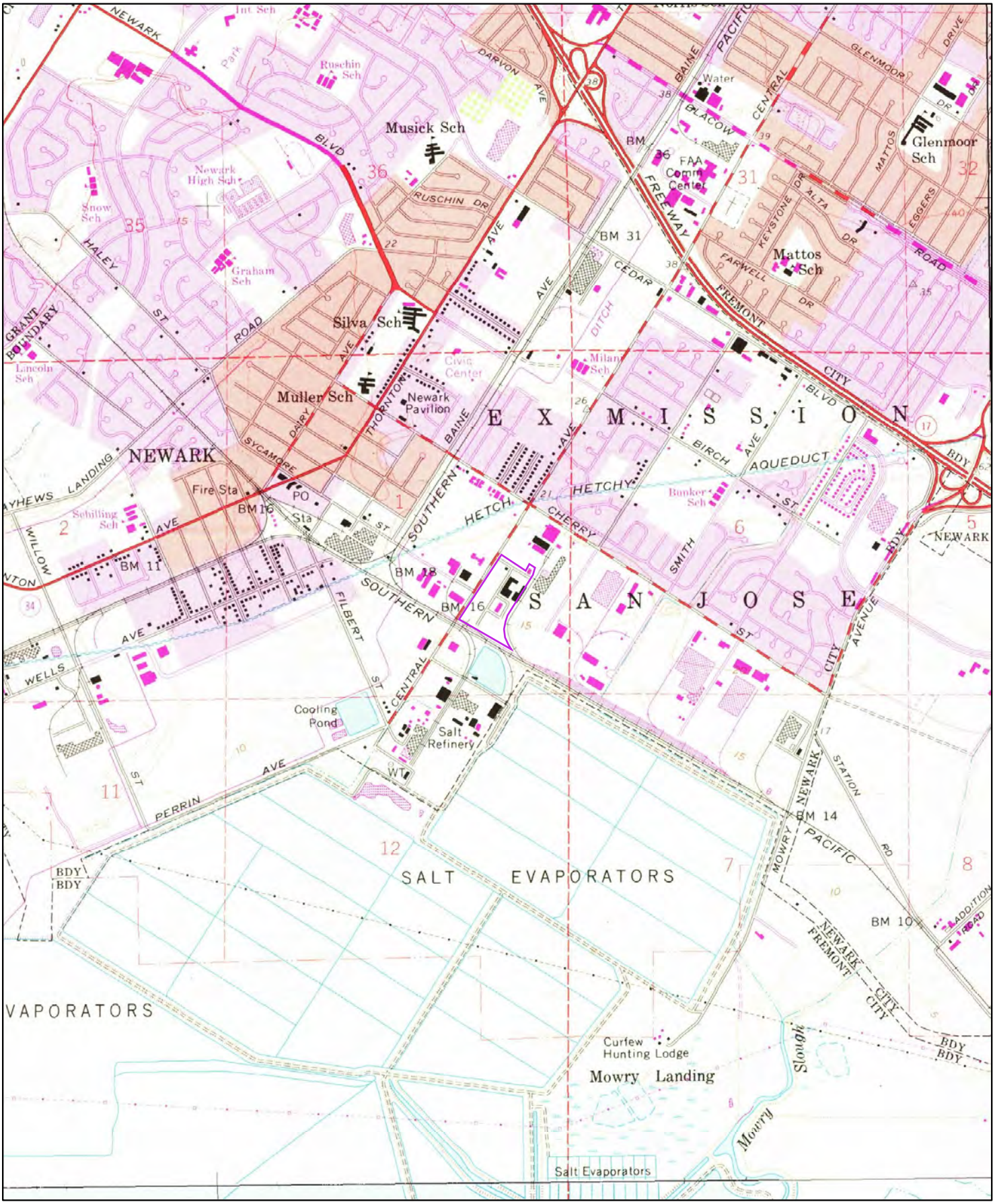
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1973

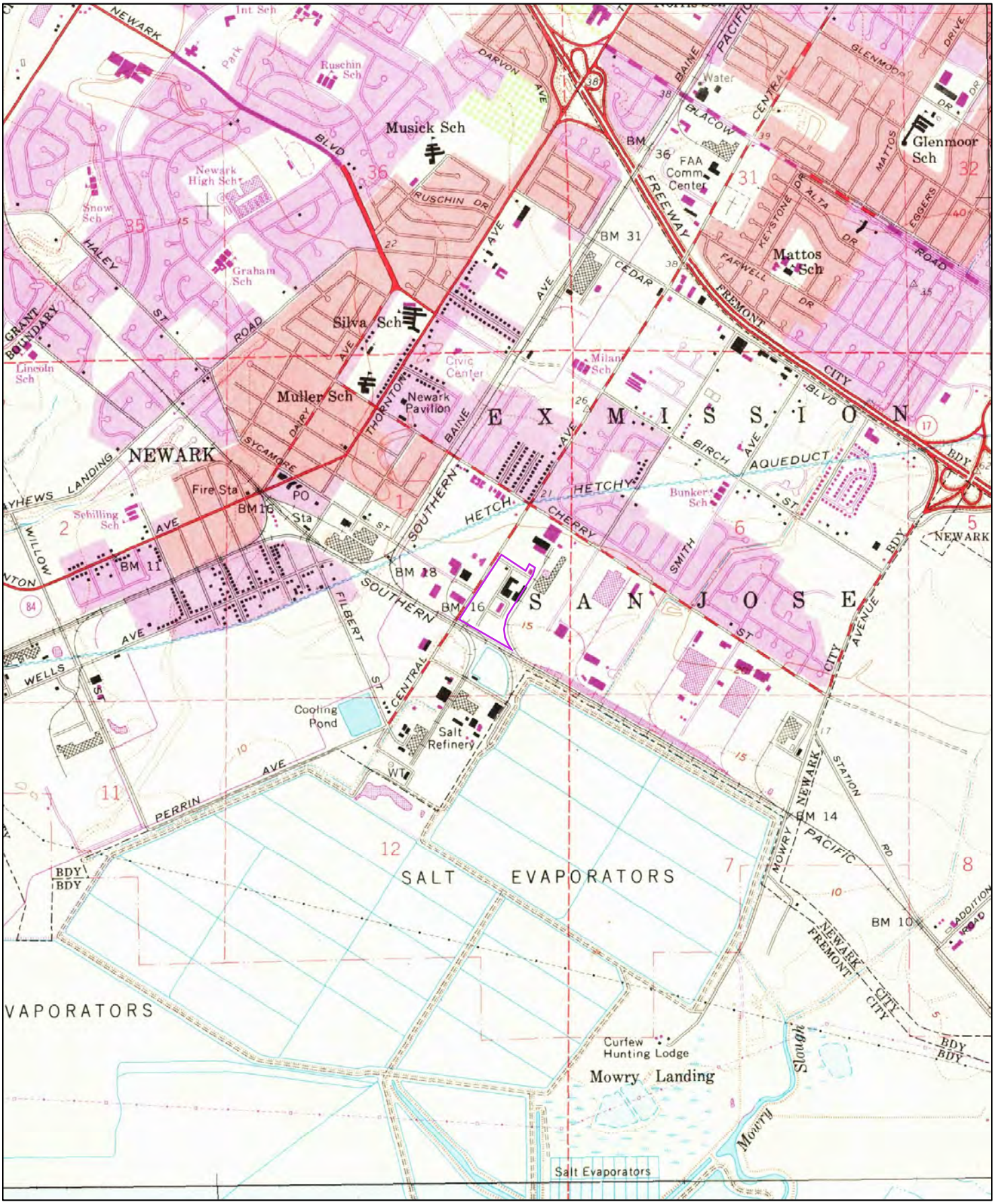
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1968

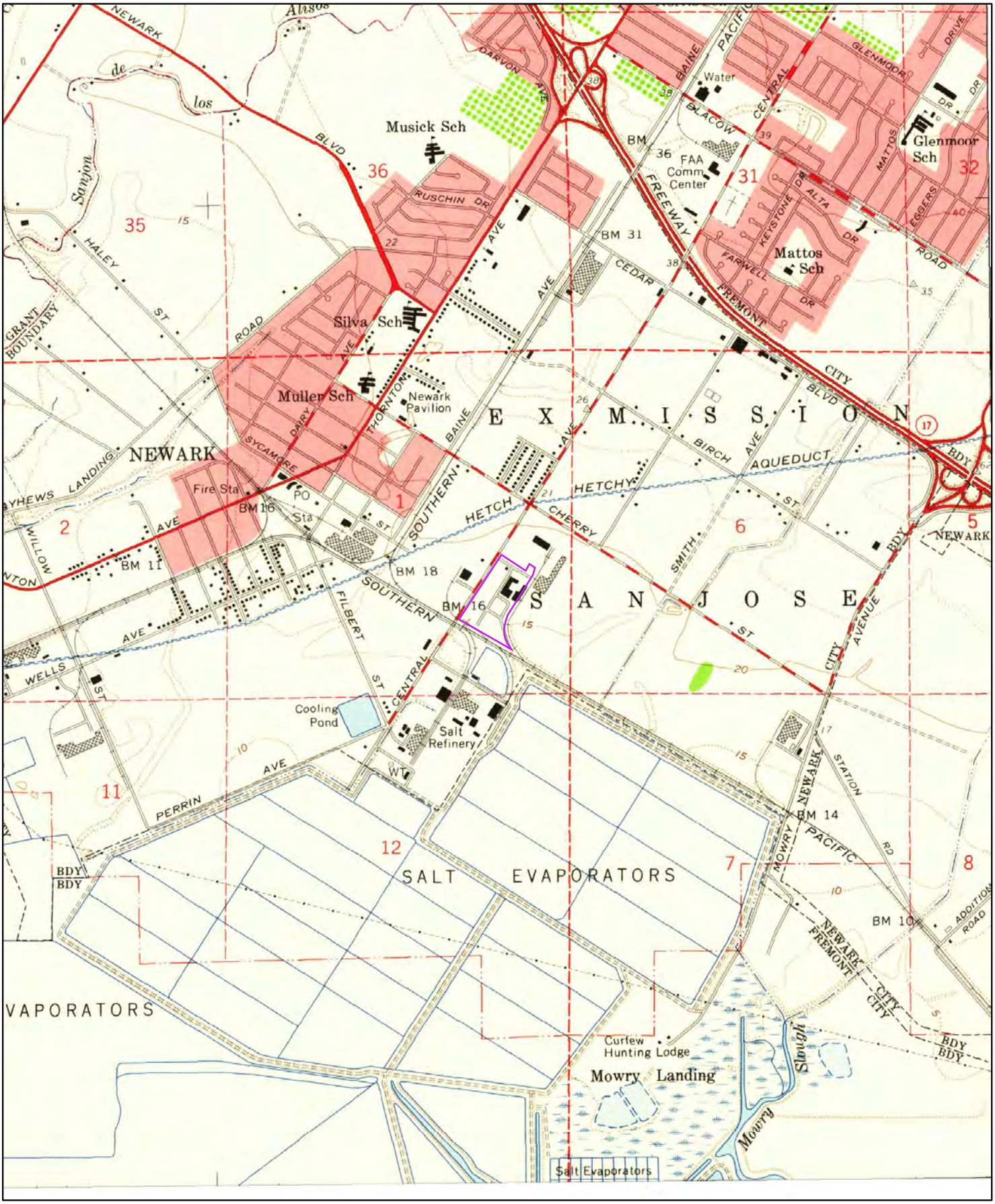
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1959

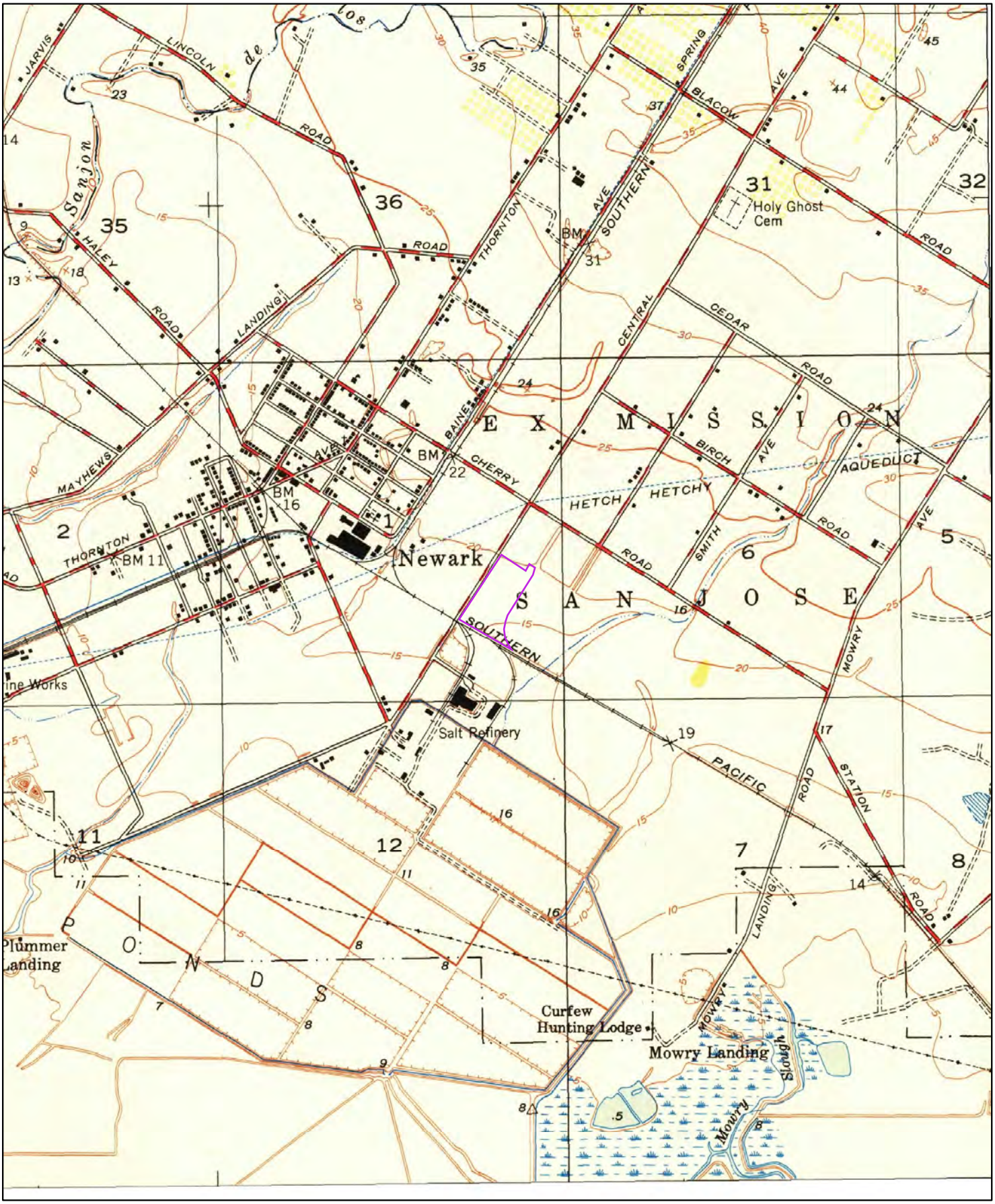
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



1948

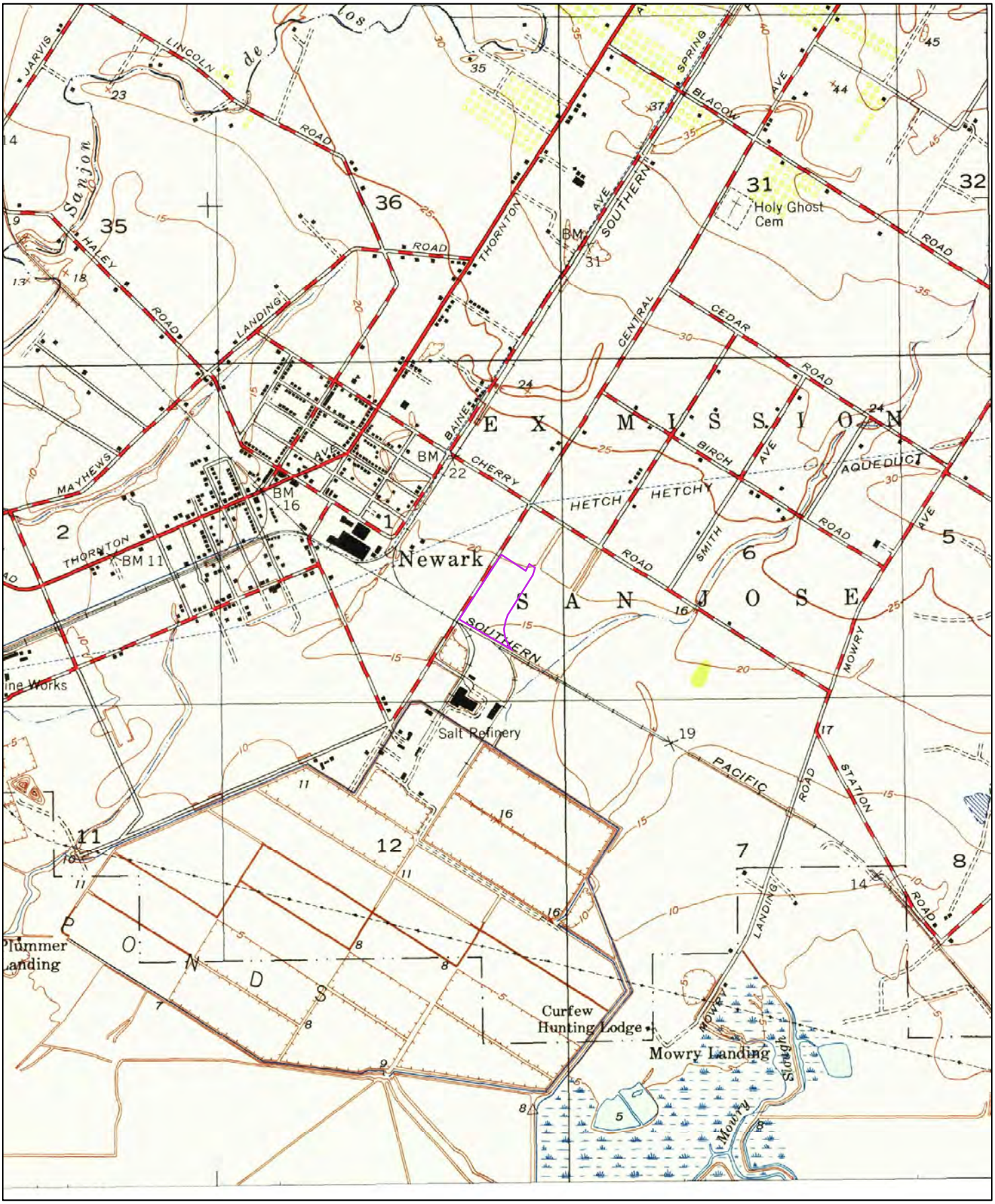
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES



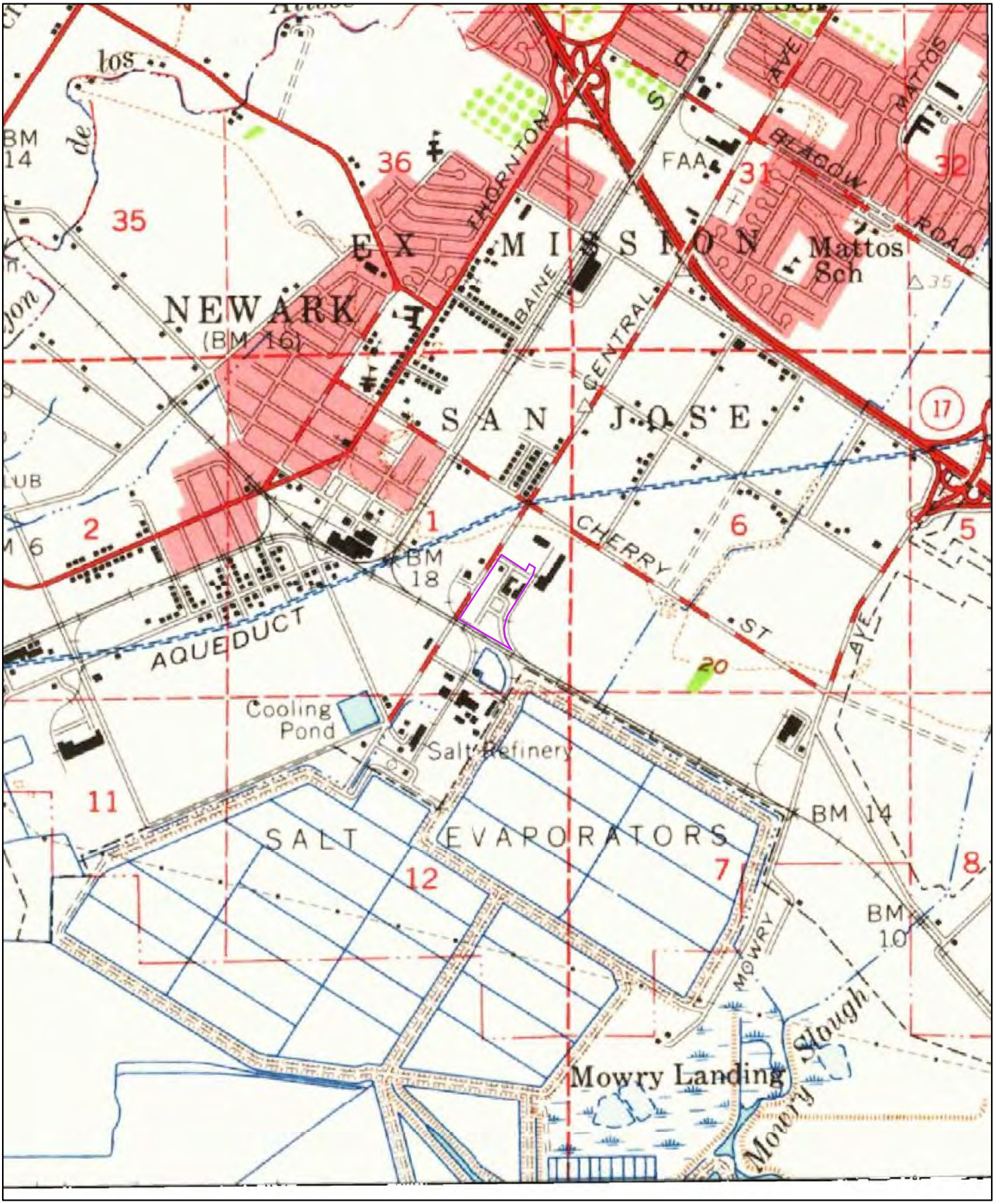
1947

Order No. 20190228121

Quadrangle(s): Newark,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1959

0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Hayward,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1915

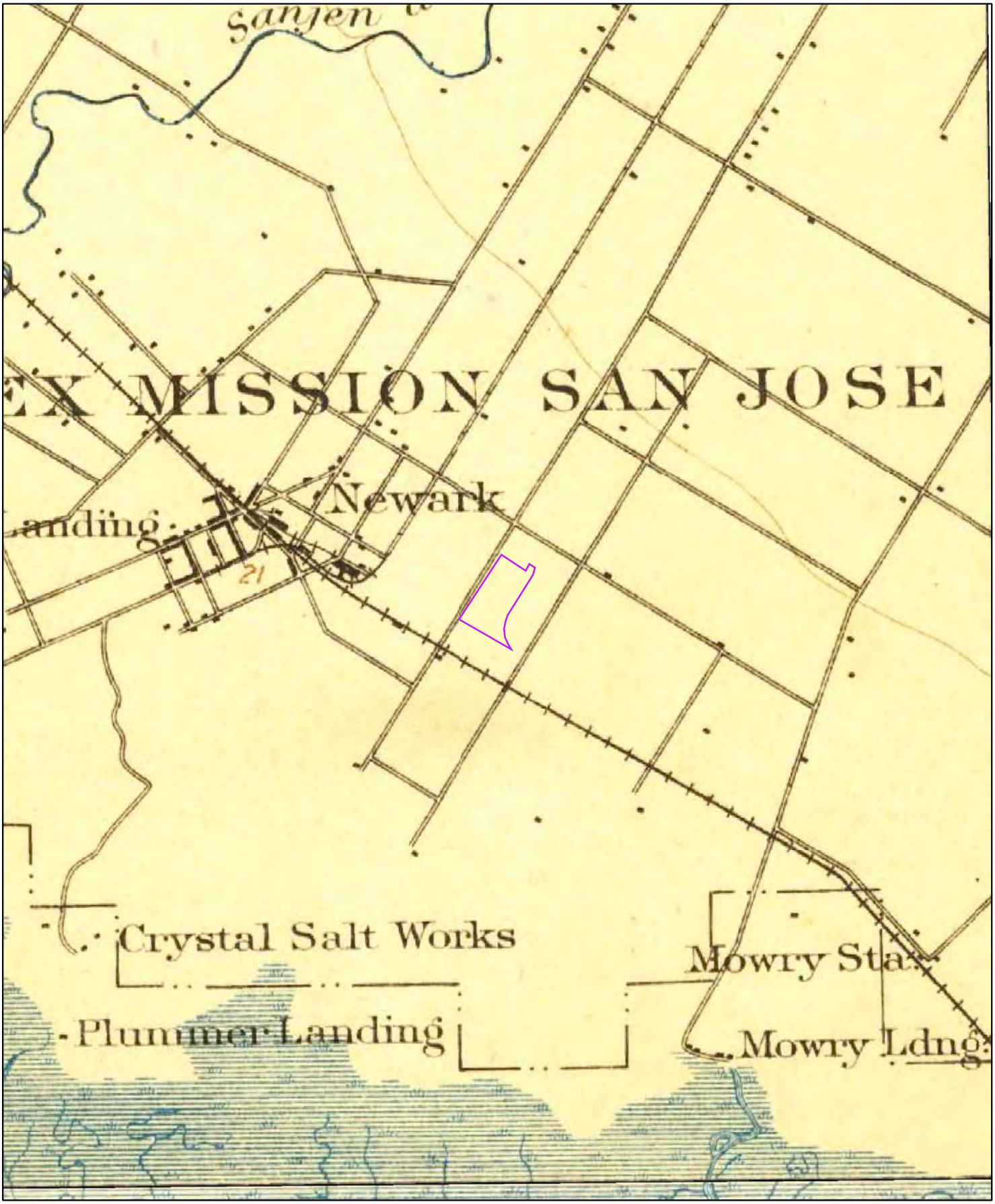
0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Hayward,CA

Source: USGS 15 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



1899

0 0.2 0.4 0.8 Miles

Order No. 20190228121

Quadrangle(s): Haywards,CA

Source: USGS 15 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

APPENDIX E
SELECTED PREVIOUS ENVIRONMENTAL STUDIES

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

FARALLON CONSULTING

Washington
Issaquah | Bellingham | Seattle
Oregon
Portland | Bend | Baker City
California
Oakland | Folsom | Irvine

June 12, 2019

Mr. Jeffrey Dack
Ice Miller LLP
One American Square, Suite 2900
Indianapolis, Indiana 46282-0200

RE: COMPREHENSIVE PHASE II ENVIRONMENTAL SITE ASSESSMENT FINDINGS
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA
FARALLON PN: 2057-002

Dear Mr. Dack:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter to summarize the comprehensive findings from the Phase II Environmental Site Assessment (Phase II ESA) performed for Ice Miller LLP (Ice Miller) for the property at 6756 and 6792 Central Avenue in Newark, California (herein referred to as the Site) (Figure 1). The Phase II ESA was performed in phases in accordance with: the scope of work outlined in the Technical Memorandum regarding Phase I Environmental Site Assessment Preliminary Findings and Recommendations, 6756 and 6792 Central Avenue, Newark, California dated March 14, 2019 from Mr. Scott Allin of Farallon to Mr. Jeffrey Dack of Ice Miller; and the scope of work outlined in the letter regarding Proposal for Additional Phase II Environmental Site Assessment, 6756 and 6792 Central Avenue, Newark, California dated April 25, 2019 from Messrs. Gavin Polite Fisco and Allin of Farallon to Mr. Dack of Ice Miller.

This letter provides a brief background of the Site, summarizes the comprehensive Phase II ESA findings, and presents Farallon's conclusions based on the findings.

SITE BACKGROUND

The Site is in a mixed industrial and commercial area in Newark, Alameda County, California and consists of Alameda County Parcel Nos. 92A-2165-14 (2.03 acres), 92A-2165-15 (8.18 acres), 92A-2165-16 (2.79 acres) and 92A-2165-17 (4.23 acres), which together total approximately 17.23 acres of land, according to the Alameda County Assessor's Office. The Site owner is Jaffe Witkin Properties. A Site plan depicting the Site boundary and current features is provided on Figure 2.

6756 Central Avenue is developed with four buildings (one building consisting of multiple conjoined structures, one medium-size building, and two smaller buildings) constructed in phases between 1946 and 1968 and occupied by various industrial tenants. At the time of Farallon's site reconnaissance, the southernmost building, previously occupied by All Good Pallets, exhibited extreme heat damage from a recent fire.

6792 Central Avenue is developed with one large industrial building occupied by Trench Plate Rental Company. The northern and east-central portions of the Site are used by various commercial trucking companies for truck parking. Remaining areas of the Site consist of an equipment storage area on the west-central portion of the Site occupied by Trench Plate Rental Company, a pallet storage area on the south-central portion of the Site occupied by All Good Pallets, and a landscaping- and mulch-recycling operation on the southern portion of the Site occupied by Vision Recycling. Access to the Site is gained from multiple locations on Central Avenue, west of the Site.

During performance of a Phase I ESA, Farallon identified the following potential environmental concerns in connection with the Site, which were further investigated during the Phase II ESA.

- **Volatile Organic Compound Impacts to Groundwater:** 1,1-dichloroethane was detected in groundwater samples collected in the vicinity of a former chemical drum-storage area at the Site during sampling events conducted in 2001 and 2007.
- **Potential Impacts from Adjacent Properties:** Several properties in the vicinity of the Site have been identified as having groundwater impacted with chlorinated solvents and petroleum hydrocarbons.
- **Current and Former Operations at the Site:** The Site is occupied by various industrial tenants that use hazardous materials, including paints, degreasers, automotive fluids, and motor oil, in their operations, and have received multiple notices of violations from the Alameda County Department of Environmental Health regarding poor housekeeping. Multiple generations of industrial tenants have occupied the Site buildings since their construction.

SUMMARY OF PHASE II ESA

The Phase II ESA was performed by Farallon in phases, on April 2 and April 3, 2019, and May 7, 2019, and consisted of collecting soil and reconnaissance groundwater samples from borings F-1 through F-25 on the Site for laboratory analysis. Boring locations are shown on Figure 2. The final sampling and analysis plan, including laboratory methodologies used for the Phase II ESA, is summarized in Table 1.

Prior to commencement of drilling, Farallon obtained Alameda County Water District Drilling Permit 2019-0199 and 2019-0217 from the Alameda County Water District. The approved permits are provided in Attachment A.

Prior to drilling, boring locations were cleared by a private utility locator. In general, borings were advanced with a hand-auger to a depth of 5 feet below ground surface (bgs), then advanced using a direct-push drill rig to a depth of approximately 3 feet below first-encountered groundwater. Groundwater samples were collected from temporary polyvinyl chloride wells constructed in the boreholes. The samples were extracted using a peristaltic pump. During drilling, soil samples were screened for volatile constituents using a photoionization detector. Industry-standard methodologies were used for sample preservation and transport.

Lithologic conditions encountered during drilling generally consisted of fill material in the upper 2.5 feet bgs, grading to clayey sand or sandy clay to the total depth explored of 22 feet bgs. First-encountered groundwater occurred at depths ranging from approximately 4 to 18 feet bgs. No elevated photoionization detector readings indicative of chemical impact to soil were identified during drilling.

During the initial phase of investigation total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) and as oil-range organics (ORO), polycyclic aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs) were detected at concentrations exceeding regulatory screening guidelines in soil and groundwater at the Site, which warranted further characterization, completed during the second phase of investigation. Analytical results from the Phase II ESA are summarized in Tables 2 through 10; the laboratory analytical reports are provided in Attachment B. The analytical results for soil and reconnaissance groundwater samples were compared to the San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels for soil and groundwater dated January 2019 (ESLs), for both unrestricted land use (Tier 1) and other commercial/industrial or exposure values, as referenced in Tables 2 through 10. ESLs are conservative regulatory screening guidelines for determining whether further evaluation is warranted, and are not considered specific regulatory cleanup criteria. Soil and groundwater analytical results from the Phase II ESA are summarized below.

SOIL ANALYTICAL RESULTS

- TPH as gasoline-range organics, DRO, and/or ORO were detected in various soil samples at concentrations less than or equal to the Tier 1 ESLs.
- VOCs were not detected at a concentration exceeding laboratory reporting limits, with the exception of naphthalene, detected in the soil sample collected from borings F-4, F-19, and F-20; and tetrachloroethene, detected in the soil sample collected from boring F-4. Naphthalene was detected at a concentration exceeding the Tier 1 ESL but less than the commercial/industrial ESL in only the soil sample collected from boring F-4. Tetrachloroethene was detected at a concentration less than the Tier 1 ESL.
- Polychlorinated biphenyls (PCBs) were not detected at concentrations exceeding the laboratory reporting limits.
- Several PAHs were detected at concentrations exceeding laboratory reporting limits, two exceeding Tier 1 ESLs in the soil sample collected from boring F-13. However, all detected PAH concentrations were less than commercial/industrial ESLs.
- Arsenic, barium, nickel, and vanadium were the only metals detected at a concentration exceeding the Tier 1 ESL. Arsenic was detected at concentrations exceeding the commercial/industrial ESL in all soil samples collected at the Site. Arsenic is known to occur naturally in California soil at concentrations exceeding the commercial/industrial ESL. The San Francisco Bay Regional Water Quality Control Board has identified 11 milligrams per kilogram of arsenic in soil as an acceptable background concentration. The arsenic concentrations detected at the Site were less than this background concentration, with the exception of a concentration of 12 milligrams per kilogram detected

in one soil sample collected from boring F-12. Barium, nickel, and vanadium were detected at concentrations exceeding Tier 1 ESLs; however, these metal concentrations were less than commercial/industrial ESLs. Based on the relatively consistent metal concentrations detected throughout the Site, they likely are representative of naturally occurring conditions.

GROUNDWATER ANALYTICAL RESULTS

- GRO was not detected at a concentration exceeding laboratory reporting limits. DRO and/or ORO was detected at concentrations exceeding laboratory reporting limits in several groundwater samples, with concentrations of DRO exceeding Tier 1 and Direct Exposure Human Health Risk Level ESLs. No ESLs have been established for ORO.
- Several VOCs were detected at concentrations exceeding laboratory reporting limits, only naphthalene and vinyl chloride at concentrations exceeding Tier 1 ESLs. Naphthalene was detected at concentrations exceeding the Tier 1 ESL in the groundwater samples collected from borings F-3, F-4, and F-12. Vinyl chloride was detected at a concentration exceeding the Tier 1 ESL in the groundwater sample collected from boring F-9. All concentrations detected were less than commercial/industrial ESLs.
- Several PAHs were detected at concentrations exceeding laboratory reporting limits in groundwater samples analyzed for PAHs. Many PAHs were detected at concentrations exceeding Tier 1 and Direct Exposure Human Health Risk Level ESLs in borings F-3, F-12, and F-13.
- Several metals were detected at concentrations exceeding laboratory reporting limits in the groundwater samples analyzed. Some metals, including cadmium, cobalt, copper, mercury, nickel, selenium, and vanadium, were detected at concentrations exceeding Tier 1 ESLs. Mercury was detected also in the associated method blank.

BORING COMPLETION

At the completion of the sampling activities, the boreholes were tremie-grouted with neat cement under the supervision of an Alameda County Water District representative.

INVESTIGATION-DERIVED WASTE DISPOSAL

Investigation-derived waste, including soil cuttings and decontamination water, was containerized on the Site in two 55-gallon U.S. Department of Transportation–rated drums. The analytical results from the investigation will be used to profile the waste for appropriate disposal. The waste will be transported by a certified waste management contractor to be disposed of at an appropriate disposal facility in accordance with applicable state and federal laws.

CONCLUSIONS

The results from the Phase II ESA suggest that a release of DRO and/or ORO from historical operations occurred at several locations throughout the Site. Although soil sources for the impact to groundwater were not identified, the concentration gradient in groundwater across the Site

suggests that soil sources exist on the Site. Data also suggest the potential for contribution to the identified impact to groundwater by surrounding property releases. Volatile constituents associated with petroleum hydrocarbons were not detected in groundwater samples at concentrations exceeding laboratory reporting limits, suggesting that the Site is a candidate for low-risk closure under a continued commercial-industrial use. The elevated metals and PAH concentrations detected in groundwater samples may be a result of excessive dissolved solids that commonly occur when reconnaissance groundwater sampling methodology is used.

CLOSING

Farallon appreciates the opportunity to provide Ice Miller LLP with environmental consulting services for this project. Please contact Scott Allin at (916) 616-8113 if you have questions or need additional information.

Sincerely,

Farallon Consulting, L.L.C.







Scott Allin, R.E.P.A.
Principal Environmental Scientist

Gavin Polite Fisco, P.G.
Associate Geologist

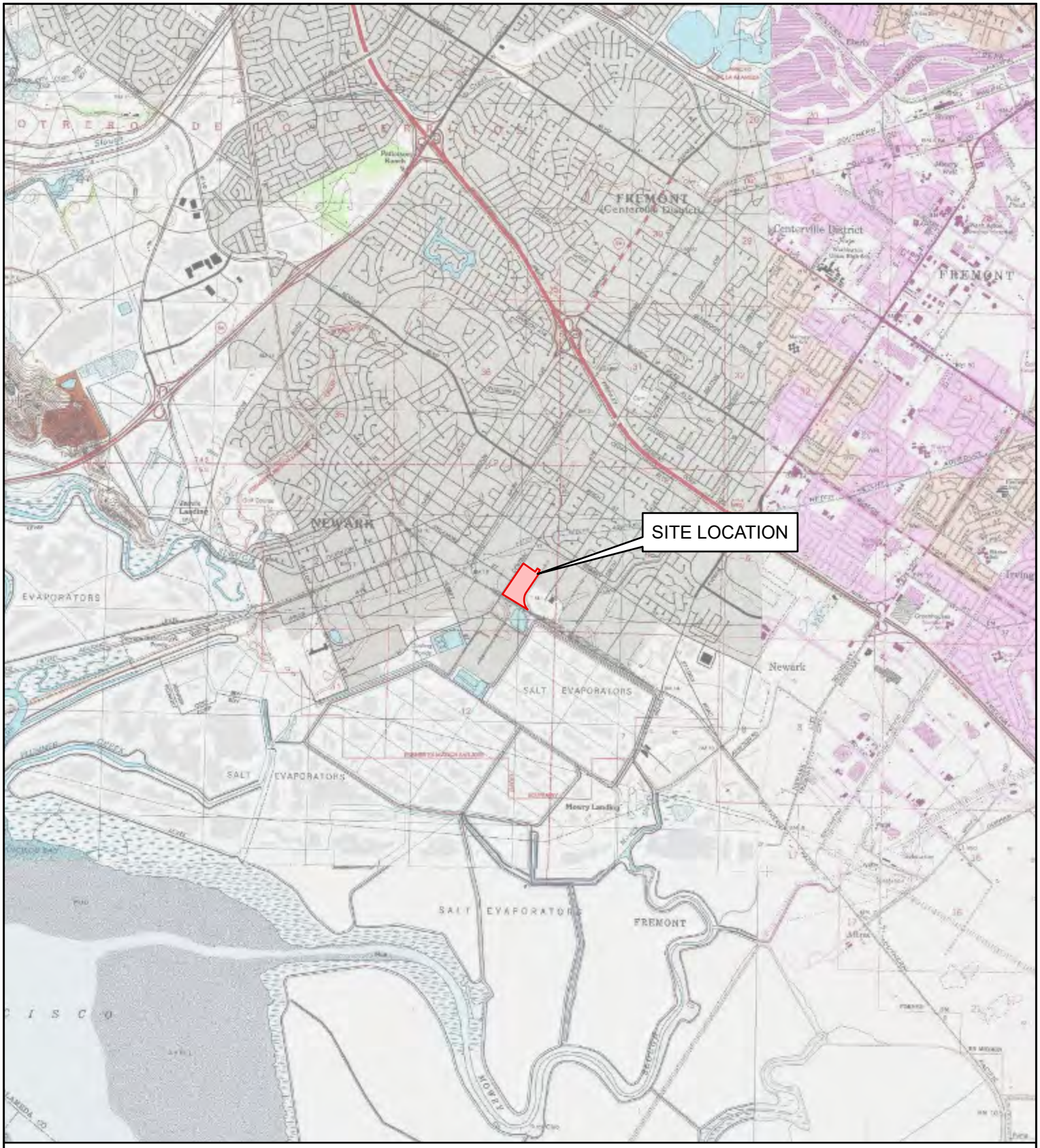
Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan Showing Boring Locations*
Table 1, *Sampling and Analysis Plan*
Table 2, *Soil Analytical Results for TPH*
Table 3, *Soil Analytical Results for Detected VOCs*
Table 4, *Soil Analytical Results for PCBs*
Table 5, *Soil Analytical Results for PAHs*
Table 6, *Soil Analytical Results for Metals*
Table 7, *Groundwater Analytical Results for TPH*
Table 8, *Groundwater Analytical Results for Detected VOCs*
Table 9, *Groundwater Analytical Results for PAHs*
Table 10, *Groundwater Analytical Results for Metals*
Attachment A, Alameda County Water District Drilling Permits
Attachment B, Laboratory Analytical Reports

SA/GPF:bjj

FIGURES

COMPREHENSIVE PHASE II
ENVIRONMENTAL SITE ASSESSMENT FINDINGS
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 2057-002



REFERENCE: 7.5 MINUTE USGS QUADRANGLE NEWARK, CALIFORNIA, DATED 2013



N

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SCALE IN FEET

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FIGURE 1

SITE VICINITY MAP
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 2057-002

Drawn By: gfisco | Checked By: SA | Date: 5/15/2019 | Disc Reference: Q:\Projects\2057 Ice Miller\001_SSI_Ice_Miller.aprx



LEGEND

- BORING LOCATION
- SITE BOUNDARY

AST = ABOVEGROUND STORAGE TANK
UST = UNDERGROUND STORAGE TANK

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NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 2

SITE PLAN SHOWING
BORING LOCATIONS
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 2057-002

Drawn By: gfisco | Checked By: SA | Date: 5/15/2019 | Disc Reference:
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TABLES

COMPREHENSIVE PHASE II
ENVIRONMENTAL SITE ASSESSMENT FINDINGS
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 2057-002

Table 1
Sampling and Analysis Plan
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Boring Designation	Sample Matrix	Sample Depth[1]	Laboratory Analysis						
			VOCs[2]	GRO[3]	DRO[3]	ORO[3]	PCBs[4]	PAHs[5]	Metals[6]
F-1	Soil	5	X	X	X	X	X	X	X
	Groundwater	15	X	X	X	X	---	X	X
F-2	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	---
F-3	Soil	5	X	X	X	X	X	X	X
	Groundwater	15	X	X	X	X	---	X	---
F-4	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	---
F-5	Soil	5	X	X	X	X	X	X	X
	Groundwater	15	X	X	X	X	---	X	---
F-6	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	---
F-7	Soil	5	X	X	X	X	X	X	X
	Groundwater	15	X	X	X	X	---	X	---
F-8	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	---
F-9	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	---
F-10	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	X
F-11	Soil	5	X	X	X	X	---	---	X
	Groundwater	15	X	X	X	X	---	---	---
F-12	Soil	5	X	X	X	X	X	X	X
	Groundwater	15	X	X	X	X	---	X	---
F-13	Soil	6.5	X	X	X	X	X	X	X
	Groundwater	15	X	X	X	X	---	X	---
F-14	Soil	1	X	X	X	X	---	---	---
		5	X	X	X	X	---	X	---
	Groundwater	15	X	X	X	X	---	X	---
F-15	Soil	1	X	X	X	X	---	---	---
		5	X	X	X	X	---	X	---
	Groundwater	15	X	X	X	X	---	X	---
F-16	Soil	1	X	X	X	X	---	---	---
		5	X	X	X	X	---	X	---
	Groundwater	15	X	X	X	X	---	X	---
F-17	Soil	1	X	X	X	X	---	---	---
		5	X	X	X	X	---	X	---
	Groundwater	15	X	X	X	X	---	X	---
F-18	Soil	1	---	X	X	X	---	---	---
		5	---	X	X	X	---	X	---
	Groundwater	15	---	X	X	X	---	X	---
F-19	Soil	1	X	X	X	X	---	---	---
		5	X	X	X	X	---	---	---
	Groundwater	15	X	X	X	X	---	---	---
F-20	Soil	1	X	X	X	X	---	---	---
		5	X	X	X	X	---	X	---
	Groundwater	15	X	X	X	X	---	X	---

Table 1
Sampling and Analysis Plan
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Boring Designation	Sample Matrix	Sample Depth[1]	Laboratory Analysis						
			VOCs[2]	GRO[3]	DRO[3]	ORO[3]	PCBs[4]	PAHs[5]	Metals[6]
F-21	Soil	1	---	X	X	X	---	---	---
		5	---	X	X	X	---	---	---
	Groundwater	15	---	X	X	X	---	---	---
F-22	Soil	1	---	X	X	X	---	---	---
		5	---	X	X	X	---	---	---
	Groundwater	15	---	X	X	X	---	---	---
F-23	Soil	1	---	X	X	X	---	---	---
		5	---	X	X	X	---	---	---
	Groundwater	15	---	X	X	X	---	---	---
F-24	Soil	1	---	X	X	X	---	---	---
		5	---	X	X	X	---	X	---
	Groundwater	15	---	X	X	X	---	X	---
F-25	Soil	1	---	X	X	X	---	---	---
		5	---	X	X	X	---	---	---
	Groundwater	15	---	X	X	X	---	---	---

NOTES:

--- denotes sample not collected for analysis.

X denotes sample collected for analysis.

[1] Estimated depth in feet below ground surface.

[2] Analyzed by U.S. Environmental Protection Agency (EPA) Method 8260B.

[3] Analyzed by EPA Method 8015M.

[4] Analyzed by EPA Method 8082A.

[5] Analyzed by EPA Method 8270D.

[6] CAM 17 Metals analyzed by EPA Method 6010/7000.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

ORO = TPH as oil-range organics

PAHs = polycyclic aromatic hydrocarbons

PCBs = polychlorinated biphenyls

VOCs = volatile organic compounds

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-1	F-1 (5')	5.0	4/2/2019	< 1.0 H	1.7	< 5.0
F-2	F-2 (5')	5.0	4/2/2019	< 0.88 H	< 1.0	< 5.0
F-3	F-3 (5')	5.0	4/3/2019	< 0.88	< 1.0	< 5.0
F-4	F-4 (5')	5.0	4/3/2019	23	130	400
F-5	F-5 (5')	5.0	4/3/2019	< 0.90	< 1.0	< 5.0
F-6	F-6 (5')	5.0	4/2/2019	< 0.87 H	3.3	18
F-7	F-7 (5')	5.0	4/2/2019	< 0.85 H	< 1.0	< 5.0
F-8	F-8 (5')	5.0	4/2/2019	< 0.84 H	< 1.0	< 5.0
F-9	F-9 (5')	5.0	4/2/2019	< 0.86 H	< 1.0	< 5.0
F-10	F-10 (5')	5.0	4/3/2019	< 0.90	< 1.0	< 5.0
F-11	F-11 (5')	5.0	4/2/2019	< 0.91 H	< 1.0	8.2
F-12	F-12 (5')	5.0	4/3/2019	< 0.85	< 1.0	< 5.0
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.91	22	140
F-14	F-14 (1')	1.0	5/7/2019	< 1.0	< 1.0	8.6
	F-14 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-15	F-15 (1')	1.0	5/7/2019	< 1.0	< 1.0	< 5.0
	F-15 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-16	F-16 (1')	1.0	5/7/2019	< 1.0	< 1.0	5.6
	F-16 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-17	F-17 (1')	1.0	5/7/2019	3.9	130	1,600
	F17- (5')	5.0	5/7/2019	< 1.0	< 1.0	5.2
F-18	F-18 (1')	1.0	5/7/2019	1.5	180	1,400
	F-18 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
San Francisco Bay RWQCB Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
San Francisco Bay RWQCB ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-19	F-19 (1')	1.0	5/7/2019	< 1.0	210	1,400
	F-19 (5')	5.0	5/7/2019	< 1.0	61	180
F-20	F-20 (1')	1.0	5/7/2019	< 1.0	27	350
	F-20 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-21	F-21 (1')	1.0	5/7/2019	< 1.0	7.5	47
	F-21 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-22	F-22 (1')	1.0	5/7/2019	< 1.0	< 1.0	< 5.0
	F-22 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-23	F-23 (1')	1.0	5/7/2019	< 1.0	12	200
	F-23 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-24	F-24 (1')	1.0	5/7/2019	< 1.0	1.3	31
	F-24 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-25	F-25 (1')	1.0	5/7/2019	< 1.0	2.8	58
	F-25 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
San Francisco Bay RWQCB Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
San Francisco Bay RWQCB ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 screening levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8015B.

[3]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for soil dated January 2019.

[4]San Francisco Bay RWQCB Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure (Table S-1), dated January 2019 (Rev. 1).

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

ESL = Environmental Screening Level

GRO = TPH as gasoline-range organics

H = result was analyzed outside of holding time

ORO = TPH as oil-range organics

Table 3
Soil Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]	
				Naphthalene	Tetrachloroethene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0091	< 0.00046
F-2	F-2 (5')	5.0	4/2/2019	< 0.0086	< 0.00043
F-3	F-3 (5')	5.0	4/3/2019	< 0.0084	< 0.00042
F-4	F-4 (5')	5.0	4/3/2019	**2.9**	0.0053
F-5	F-5 (5')	5.0	4/3/2019	< 0.0096	< 0.00048
F-6	F-6 (5')	5.0	4/2/2019	< 0.0083	< 0.00041
F-7	F-7 (5')	5.0	4/2/2019	< 0.009	< 0.00045
F-8	F-8 (5')	5.0	4/2/2019	< 0.0099	< 0.0005
F-9	F-9 (5')	5.0	4/2/2019	< 0.0082	< 0.00041
F-10	F-10 (5')	5.0	4/3/2019	< 0.0092	< 0.00046
F-11	F-11 (5')	5.0	4/2/2019	< 0.01	< 0.00051
F-12	F-12 (5')	5.0	4/3/2019	< 0.0093	< 0.00046
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.0089	< 0.00045
F-14	F-14 (1')	1.0	5/7/2019	< 0.0041	< 0.0041
	F-14 (5')	5.0	5/7/2019	< 0.0043	< 0.0043
F-15	F-15 (1')	1.0	5/7/2019	< 0.0045	< 0.0045
	F-15 (5')	5.0	5/7/2019	< 0.0041	< 0.0041
F-16	F-16 (1')	1.0	5/7/2019	< 0.0043	< 0.0043
	F-16 (5')	5.0	5/7/2019	< 0.0041	< 0.0041
F-17	F-17 (1')	1.0	5/7/2019	< 0.0059	< 0.0059
	F17- (5')	5.0	5/7/2019	< 0.005	< 0.005
F-19	F-19 (1')	1.0	5/7/2019	< 0.005	< 0.005
	F-19 (5')	5.0	5/7/2019	0.035	< 0.005
F-20	F-20 (1')	1.0	5/7/2019	0.10	< 0.0049
	F-20 (5')	5.0	5/7/2019	< 0.0043	< 0.0043
San Francisco Bay RWQCB Tier 1 ESLs for Soil[3]				**0.042**	**0.080**
San Francisco Bay RWQCB ESLs Commercial: Shallow Soil Exposure[4]				**17**	**2.7**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 screening levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

VOCs = volatile organic compounds

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260B. Only detected VOCs are shown in the table; the laboratory analytical report provides a full list of analytes.

[3]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for soil dated January 2019.

[4]San Francisco Bay RWQCB Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure (Table S-1), dated January 2019 (Rev. 1).

Table 4
Soil Analytical Results for PCBs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
F-1	F-1 (5')	5.0	4/2/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-3	F-3 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-5	F-5 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-7	F-7 (5')	5.0	4/2/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-12	F-12 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
San Francisco Bay RWQCB Tier 1 ESLs for Soil[3]											**0.23**
San Francisco Bay RWQCB ESLs Commercial: Shallow Soil Exposure[4]											**0.94**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

PCBs = polychlorinated biphenyls

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082.

[3]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for soil dated January 2019.

[4]San Francisco Bay RWQCB Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure dated January 2019 (Rev. 1).

Table 5
Soil Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]																	
				1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Phenanthrene	Pyrene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025	< 0.0013	< 0.0025	< 0.0025	0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-3	F-3 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	0.0052	< 0.0013	0.0089	0.034	0.037	0.019	0.020	0.012	0.031	0.0046	0.049	0.0026	0.014	0.0023	0.024	0.047
F-5	F-5 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	0.0014	0.0067	0.0046	0.0023	< 0.0025	0.0022	0.0046 B	< 0.0025	0.0072	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0067
F-7	F-7 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-12	F-12 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	0.0043	< 0.0013	0.0061	0.026	0.026	0.014	0.014	0.0089	0.022	0.0027	0.035	< 0.0025	0.011	< 0.0013	0.015	0.036
F-13	F-13 (6.5')	6.5	4/3/2019	0.089	0.14	1.4	< 0.013	0.66	0.38	**0.35**	0.19	0.17	0.10	0.37	0.060	**1.7**	0.43	0.14	0.40	2.0	1.6
F-14	F-14 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-15	F-15 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0063	0.0029	0.0022	< 0.0025	0.0018	0.0038	< 0.0025	0.0060	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0055
F-16	F-16 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0099	0.0073	0.0057	0.0048	0.0055	0.0092	< 0.0025	0.0094	< 0.0025	0.0032	< 0.0013	< 0.005	0.010
F-17	F17- (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	0.0016	0.0095	0.0070	0.0042	0.0053	0.0046	0.0085	< 0.0025	0.012	< 0.0025	0.0033	< 0.0013	0.0057	0.013
F-18	F-18 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-20	F-20 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0089	0.0051	0.0036	0.0027	0.0029	0.0063	< 0.0025	0.0073	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0086
F-24	F-24 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
San Francisco Bay RWQCB Tier 1 ESLs for Soil[3]				**NE**	**0.88**	**12**	**6.4**	**1.9**	**0.63**	**0.11**	**1.1**	**2.5**	**2.8**	**2.2**	**0.11**	**0.69**	**6**	**0.48**	**0.042**	**7.8**	**45**
San Francisco Bay RWQCB ESLs Commercial: Shallow Soil Exposure[4]				**NE**	**3,000**	**45,000**	**NE**	**230,000**	**20**	**2.1**	**21**	**NE**	**210**	**2,100**	**2.1**	**30,000**	**30,000**	**21**	**17**	**NE**	**23,000**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 screening levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270C and 8270C-SIM.

[3]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for soil dated January 2019.

[4]San Francisco Bay RWQCB Direct Exposure Human Health Risk Levels for Commercial/Industrial

B = analyte was detected in the associated method blank.

NE = not established

PAHs = polycyclic aromatic hydrocarbons

Table 6
Soil Analytical Results for Metals
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]															
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
F-1	F-1 (5')	5.0	4/2/2019	0.86	11	270	0.7	< 0.25	98	18	42	12	0.082 B	0.81	**120**	< 0.5	< 0.5	< 0.5	**64**	80
F-2	F-2 (5')	5.0	4/2/2019	0.9	9.8	**560**	0.68	< 0.25	92	15	37	10	0.070 B	1.0	**110**	< 0.5	< 0.5	< 0.5	**61**	74
F-3	F-3 (5')	5.0	4/3/2019	0.62	6.6	120	0.5	< 0.25	81	12	26	7.1	< 0.05	0.66	**99**	< 0.5	< 0.5	< 0.5	**46**	52
F-4	F-4 (5')	5.0	4/3/2019	0.93	8.1	280	0.59	< 0.25	79	14	31	20	0.077	1.1	**89**	< 0.5	< 0.5	< 0.5	**56**	93
F-5	F-5 (5')	5.0	4/3/2019	0.82	9.3	260	0.61	< 0.25	87	15	34	9.6	< 0.05	0.81	**100**	< 0.5	< 0.5	< 0.5	**58**	67
F-6	F-6 (5')	5.0	4/2/2019	0.65	7.3	230	< 0.5	< 0.25	83	14	29	8.4	< 0.05	< 0.5	**100**	< 0.5	< 0.5	< 0.5	**46**	58
F-7	F-7 (5')	5.0	4/2/2019	0.64	7.4	210	0.54	< 0.25	80	12	29	8.4	< 0.05	0.56	**89**	< 0.5	< 0.5	< 0.5	**53**	55
F-8	F-8 (5')	5.0	4/2/2019	< 0.5	6.3	200	< 0.5	< 0.25	82	12	25	7.5	< 0.05	0.62	**98**	< 0.5	< 0.5	< 0.5	**45**	53
F-9	F-9 (5')	5.0	4/2/2019	0.75	9.5	160	0.68	< 0.25	93	16	36	10	0.10 B	0.77	**110**	< 0.5	< 0.5	< 0.5	**60**	71
F-10	F-10 (5')	5.0	4/3/2019	1.0	**12**	350	0.62	< 0.25	100	19	44	12	0.062 B	1.2	**130**	< 0.5	< 0.5	< 0.5	**69**	85
F-11	F-11 (5')	5.0	4/2/2019	< 5	8.4	220	< 5	< 2.5	77	15	38	8.6	< 0.5	< 5	**91**	< 5.0	< 5	< 5	**61**	75
F-12	F-12 (5')	5.0	4/3/2019	0.89	10	290	0.67	< 0.25	92	15	34	10	< 0.05	0.86	**100**	< 0.5	< 0.5	< 0.5	**61**	67
F-13	F-13 (6.5')	6.5	4/3/2019	0.67	9.2	240	0.55	< 0.25	75	19	27	11	0.051 B	0.77	**88**	< 0.5	< 0.5	< 0.5	**51**	64
San Francisco Bay RWQCB Tier 1 ESLs for Soil[3]				**11**	**11[4]**	**390**	**5**	**1.9**	**160**	**23**	**180**	**32**	**13**	**6.9**	**86**	**2.4**	**25**	**0.78**	**18**	**340**
San Francisco Bay RWQCB ESLs Commercial: Shallow Soil Exposure[5]				**160**	**0.31**	**220,000**	**230**	**1,100**	**1,800,000**	**350**	**47,000**	**320**	**190**	**5,800**	**11,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**

NOTES:
Results in **bold** denote concentrations exceeding Tier 1 screening levels and established background concentrations.
< denotes analyte not detected at or exceeding the laboratory reporting limit listed.
[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 6020.

B = analyte was detected in the associated method blank.

Table 7
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]		
			GRO	DRO	ORO[2]
F-1	4/2/2019	F-1	< 50	72	480
F-2	4/2/2019	F-2	< 50	< 100	920
F-3	4/3/2019	F-3	< 50	< 2,500	20,000
F-4	4/3/2019	F-4	< 50	**2,100**	9,300
F-5	4/3/2019	F-5	< 50	< 50	< 250
F-6	4/2/2019	F-6	< 50	60	620
F-7	4/2/2019	F-7	< 50	< 50	260
F-8	4/2/2019	F-8	< 50	**2,200**	21,000
F-9	4/2/2019	F-9	< 50	**970**	8,400
F-10	4/3/2019	F-10	< 50	**690**	2,300
F-11	4/2/2019	F-11	< 50	< 50	270
F-12	4/3/2019	F-12	< 50	**88**	< 250
F-13	4/3/2019	F-13	< 50	100	1,400
F-14	5/7/2019	F-14	< 50	< 50	< 250
F-15	5/7/2019	F-15	< 50	< 50	< 250
F-16	5/7/2019	F-16	< 50	< 50	< 250
F-17	5/7/2019	F-17	< 50	**520**	5,000
F-18	5/7/2019	F-18	< 50	< 50	< 250
F-19	5/7/2019	F-19	< 50	< 50	< 250
F-20	5/7/2019	F-20	< 50	< 50	< 250
F-21	5/7/2019	F-21	< 50	**270**	530
F-22	5/7/2019	F-22	< 50	**200**	1,500
F-23	5/7/2019	F-23	< 50	**1,900**	21,000
F-24	5/7/2019	F-24	< 50	< 100	880
F-25	5/7/2019	F-25	< 50	< 100	< 500
San Francisco Bay RWQCB Tier 1 ESLs for Groundwater[3]			**100**	**100**	**NE**
San Francisco Bay RWQCB ESLs San Francisco Bay RWQCB ESLs Direct Exposure Human Health Risk Levels[4]			**760**	**200**	**NE**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 screening levels.

Highlighted **bold r**esults denote concentrations exceeding direct exposure screening levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8015B.

[2]ORO is not soluble. ORO detections in water most likely are petroleum degradates. If so, DRO and ORO are added, and compared to the DRO criterion.

[3]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for groundwater dated January 2019.

[4]San Francisco Bay RWQCB Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), dated January 2019 (Rev. 1). The most-conservative value among MCL Priority, Tapwater Cancer Risk, and Tapwater Non-Cancer Hazard was chosen.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

MCL = Maximum Contaminant Level

ORO = TPH as oil-range organics

Table 8
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]						
			1,2-Dichloroethane	4-Methyl-2-Pentanone	Acetone	Methyl tertiary butyl ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
F-1	4/2/2019	F-1	< 0.01	0.66	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-2	4/2/2019	F-2	< 0.01	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-3	4/3/2019	F-3	< 0.01	1.6	27	< 0.5	**0.30**	0.78	< 0.01
F-4	4/3/2019	F-4	< 0.01	< 0.5	< 10	< 0.5	**9.0**	< 0.5	< 0.01
F-5	4/3/2019	F-5	< 0.01	< 0.5	< 10	4.2	0.15	< 0.5	< 0.01
F-6	4/2/2019	F-6	< 0.01	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-7	4/2/2019	F-7	< 0.01	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-8	4/2/2019	F-8	< 0.01	< 0.5	21	< 0.5	< 0.1	< 0.5	< 0.01
F-9	4/2/2019	F-9	0.015	< 0.5	14	< 0.5	< 0.1	< 0.5	**0.043**
F-10	4/3/2019	F-10	< 0.01	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-11	4/2/2019	F-11	< 0.01	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-12	4/3/2019	F-12	< 0.01	< 0.5	< 10	< 0.5	**0.61**	< 0.5	< 0.01
F-13	4/3/2019	F-13	< 0.01	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-14	5/7/2019	F-14	< 0.5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-15	5/7/2019	F-15	< 0.5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-16	5/7/2019	F-16	< 0.5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-17	5/7/2019	F-17	< 0.5	< 0.5	14	< 0.5	< 1.0	< 0.5	< 0.5
F-19	5/7/2019	F-19	< 0.5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-20	5/7/2019	F-20	< 0.5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
San Francisco Bay RWQCB Tier 1 ESLs for Groundwater[2]			**0.5**	**120**	**1,500**	**5**	**0.17**	**NE**	**0.0086**
San Francisco Bay RWQCB ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[3]			**9.8**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

NE = not established

VOCs = volatile organic compounds

[1]Analyzed by U.S. Environmental Protection Agency Method 8260B. Only the detected VOCs are shown in table; the laboratory analytical report provides the full list of analytes.

[2]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for groundwater dated January 2019.

[3]San Francisco Bay RWQCB Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated January 2019 (Rev. 1).

Table 9
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Date	Sample Date	Analytical Results (micrograms per liter)[1]																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
F-1	4/2/2019	F-1	< 0.011	< 0.011	< 0.011	0.023	< 0.011	< 0.022	0.011	0.0075	< 0.022	< 0.011	< 0.011	< 0.011	0.015	< 0.011	< 0.022	< 0.011	---	< 0.022	< 0.022
F-3	4/3/2019	F-3	< 0.058	< 0.058	0.31	< 0.058	0.20	**0.62**	**0.81**	**0.42**	**0.50**	**0.26**	**0.69**	**0.10**	0.99	0.11	**0.40**	**0.21**	---	0.51	0.96
F-5	4/3/2019	F-5	< 0.014	< 0.014	< 0.014	< 0.014	0.029	< 0.028	< 0.014	< 0.007	< 0.028	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.028	< 0.014	< 0.043	< 0.028	< 0.028
F-7	4/2/2019	F-7	< 0.013	< 0.013	< 0.013	< 0.013	0.027	< 0.025	< 0.013	< 0.0063	< 0.025	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.025	< 0.013	< 0.039	< 0.025	< 0.025
F-12	4/3/2019	F-12	< 0.14	< 0.14	0.91	0.22	**1.5**	**17**	**20**	**13**	**13**	**7.6**	**18**	**3.1**	20	0.47	**9.6**	< 0.14	---	4.0	**23**
F-13	4/3/2019	F-13	< 0.011	< 0.011	0.017	< 0.011	0.24	**0.084**	**0.081**	**0.051**	0.063	0.041	**0.076**	**0.026**	0.14	0.012	0.054	0.012	---	0.056	0.12
F-14	5/7/2019	F-14	< 0.01	< 0.01	< 0.01	< 0.01	0.016	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-15	5/7/2019	F-15	< 0.01	< 0.01	< 0.01	< 0.01	0.035	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	0.014	< 0.031	< 0.02	< 0.02
F-16	5/7/2019	F-16	< 0.01	< 0.01	< 0.01	< 0.01	0.022	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-17	5/7/2019	F-17	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.8	< 0.88	< 0.44	< 1.8	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.8	< 0.88	< 2.7	< 1.8	< 1.8
F-18	5/7/2019	F-18	< 0.01	< 0.01	< 0.01	< 0.01	0.048	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-20	5/7/2019	F-20	< 0.01	< 0.01	< 0.01	< 0.01	0.16	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-24	5/7/2019	F-24	< 0.015	< 0.015	< 0.015	< 0.015	0.019	< 0.03	< 0.015	< 0.0076	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.03	< 0.015	< 0.047	< 0.03	< 0.03
San Francisco Bay RWQCB Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.1**	**0.049**	**0.049**	**0.025**	**8**	**3.9**	**0.049**	**0.17**	**1**	**4.6**	**2**
San Francisco Bay RWQCB ESLs San Francisco Bay RWQCB ESLs Direct Exposure Human Health Risk Levels[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.0070**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**0.040**	**NE**	**120**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 ESLs.

Highlighted results denote concentrations exceeding direct exposure screening levels.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8270C.

[2]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for groundwater dated January 2019.

[3]San Francisco Bay RWQCB Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), dated January 2019 (Rev. 1). The most-conservative value among MCL Priority, Tapwater Cancer Risk, and Tapwater Non-Cancer Hazard was chosen.

MCL = Maximum Contaminant Level

NE = not established

PAHs = polycyclic aromatic hydrocarbons

Table 10
Groundwater Analytical Results for Metals
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 2057-002

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]															
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
F-1	4/2/2019	F-1	1.8	7.0	27	< 0.5	**0.91**	1.6	**6.7**	**210**	< 0.5	< 0.05	19	**11**	**0.66**	< 0.19	< 0.5	**22**	46
F-10	4/3/2019	F-10	1.2	4.3	18	< 0.5	< 0.25	< 0.5	1.4	**37**	< 0.5	**0.10** B	49	7.1	**0.73**	< 0.19	< 0.5	**27**	< 15
San Francisco Bay RWQCB Tier 1 ESLs for Groundwater[2]			**6**	**10**	**1,000**	**2.7**	**0.25**	**50**	**3**	**3.1**	**2.5**	**0.025**	**100**	**8.2**	**0.5**	**0.19**	**2**	**19**	**81**
San Francisco Bay RWQCB ESLs San Francisco Bay RWQCB ESLs Direct Exposure Human Health Risk Levels[3]			**1**	**0.004**	**1,000**	**1**	**0.04**	**50**	**6**	**300**	**0.2**	**0.061**	**100**	**100**	**30**	**94**	**0.1**	**50**	**5,000**

NOTES:

Results in **bold** denote concentrations exceeding Tier 1 screening levels.

Highlighted results denote concentrations exceeding direct exposure screening levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

B = analyte was detected in the associated method blank

MCL = Maximum Contaminant Level

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8.

[2]San Francisco Bay Regional Water Quality Control Board (RWQCB) Tier 1 Environmental Screening Levels (ESLs) for groundwater dated January 2019.

[3]San Francisco Bay RWQCB Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), dated January 2019 (Rev. 1).
The most-conservative value among MCL Priority, Tapwater Cancer Risk, and Tapwater Non-Cancer Hazard was chosen.

FARALLON CONSULTING

September 13, 2023

Ava Lazor
Alameda County Water District
43885 South Grimmer Boulevard
Fremont, California 94538

RE: DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA
FARALLON PN: 1071-105

Dear Ava Lazor:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report on behalf of 6756-6792 Central Ave Newark CA LLC (aka Prologis) to present findings from the data gap investigation performed by Farallon and to request case closure for the property at 6756 and 6792 Central Avenue in Newark, California (herein referred to as the Site) (Figure 1). Industrial constituents were identified in soil and groundwater beneath the Site during environmental due diligence activities, as summarized in the Phase I Environmental Site Assessment Report dated June 12, 2019 (2019 Phase I Report).[1] 6756-6792 Central Ave Newark CA LLC became the Site owner in July 2019 and intends to further evaluate Site conditions to determine what actions, if any, are required to remedy the identified industrial impact. The Site was originally entered into the Leaking Underground Storage Tank program under Alameda County Water District (ACWD) oversight, but at the request of ACWD was transferred to the Site Cleanup Program.

This letter report provides a brief background of the Site; a current conceptual site model (CSM); a summary of the scope of work and the results from the temporary groundwater monitoring well installation and groundwater monitoring event conducted on March 2, 2023 in accordance with the ACWD-approved Data Gap Investigation Work Plan[2] prepared by Farallon and the Sampling and Analysis Plan presented as Table 1; Farallon's conclusions

[1] Farallon. 2019. *Phase I Environmental Site Assessment Report, 6756 and 6792 Central Avenue, Newark, California.* Prepared for Prologis. June 12 (2019 Phase I Report).
[2] Farallon. 2022. Letter Report Regarding Data Gap Investigation Work Plan, 6756 and 6792 Central Avenue, Newark, California. From Peter Sims and Scott Allin. To Ava Lazor, ACWD. September 28 (Data Gap Investigation Work Plan).

including a comparison of Site conditions with the Assessment Tool for Closure[3] criteria; and Farallon's recommendations, which include a recommendation for No Further Action status and regulatory case closure for the Site.

SITE BACKGROUND

The Site consists of Alameda County Assessor's Parcel Nos. 92A-2165-14 (2.03 acres), 92A-2165-15 (8.18 acres), 92A-2165-16 (2.79 acres), and 92A-2165-17 (4.23 acres), which total approximately 17.23 acres of land. At the time of the 2019 Phase I Report, the Site was developed with five buildings (a large building consisting of conjoined structures, a large industrial building along Central Avenue, a medium-sized building, and two smaller buildings) constructed in phases between 1946 and 1968 and occupied by industrial tenants. Between 2019 and 2022, all Site buildings except the large industrial building along Central Avenue were demolished in preparation for Site redevelopment with an industrial logistics building. Access to the Site is gained from Central Avenue, west of the Site. Former Site operations included use of two 1,000-gallon underground storage tanks containing bunker fuel and gasoline, and a 20,000-gallon diesel fuel aboveground storage tank and associated fuel islands and piping, all of which were removed from the Site between 1991 and 1993. Evidence of a release was not detected during the removal of the underground storage tanks. A release from the aboveground storage tank was detected and remediated via removal of approximately 311 tons of impacted soil and 2,300 gallons of impacted groundwater. Confirmation samples collected following excavation and dewatering did not contain detectable concentrations of petroleum constituents.

As summarized in the 2019 Phase I Report, Farallon performed an environmental investigation at the Site in phases in April and May 2019, which consisted of collecting soil and reconnaissance groundwater samples for laboratory analysis. The results from the investigation suggested that a release of total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) and as oil-range organics (ORO) from historical operations occurred at the Site. Volatile constituents were not detected in groundwater samples at concentrations exceeding San Francisco Bay Regional Water Quality Control Board (Water Board) vapor intrusion human health risk Environmental Screening Levels (ESLs) for commercial/industrial properties. Previous boring locations are shown on Figure 2.

[3] San Francisco Bay Regional Water Quality Control Board (Water Board). 2009. *Assessment Tool for Closure of Low-Threat Chlorinated Solvent Sites.* July 31 (Assessment Tool for Closure).

After the completion of the 2019 Phase I Report, eight groundwater monitoring wells (MW-1 through MW-8) were installed at the Site, as documented in the letter regarding Groundwater Monitoring Well Installation and Sampling dated April 20, 2020.[4] DRO was detected at a concentration of 3,400 milligrams per kilogram (mg/kg) in the soil sample collected from boring MW-8 at a depth of 3 feet below ground surface (bgs), which exceeds the commercial/industrial ESL of 1,200 mg/kg. ORO and naphthalene were detected at concentrations of 9,700 and 2.7 mg/kg, respectively, in the soil sample collected from boring MW-8 at a depth of 3 feet bgs, which is less than the commercial/industrial ESLs of 180,000 and 17 mg/kg, respectively. The lithology beneath the Site consists of sand and gravel from the surface to depths of approximately 2 to 4 feet bgs, followed by clay and silt to depths of approximately 7.5 to 11 feet bgs, and by silt and sand to depths of approximately 13 to 14 feet bgs, where first-encountered groundwater was observed. This shallow water-bearing zone consists of silty sand and sand, and extends to depths of 19 to 22 feet bgs. Beneath the shallow water-bearing zone, an aquitard of silt and clay corresponding to the Newark Aquiclude was identified, extending to the total depth explored of 25 feet bgs. Monitoring well locations are shown on Figure 2.

Groundwater monitoring data were obtained during four groundwater monitoring events, with the findings summarized in the letter regarding First and Second Quarter 2021 Groundwater Monitoring and Request for Site Closure dated March 24, 2022.[5] Groundwater data collected using low-flow sampling procedures at the Site in 2020 and 2021 indicated that Site groundwater has not been adversely impacted by DRO or polycyclic aromatic hydrocarbons (PAHs) at concentrations exceeding the maximum contaminant level (MCL), with the exception of the results from groundwater samples collected from monitoring wells MW-5 and MW-8 on January 13 and April 6, 2021, which indicated that groundwater impacts appeared to be low threat and limited in areal extent. Data suggest that the DRO impact in groundwater may be from natural organic compounds (NOCs) or hydrocarbon oxidation products (HOPs) at concentrations less than the MCL for HOPs. Data suggest the potential for releases from surrounding properties to have contributed to groundwater impacts at the Site. According to data obtained during five groundwater monitoring events conducted in 2020, 2021, and 2023, the groundwater flow direction at the Site is southwest, with a gradient of 0.001 to 0.004 foot per foot. Groundwater elevation contours

[4] Farallon. 2020. Letter Regarding Groundwater Monitoring Well Installation and Sampling, 6756 and 6792 Central Avenue, Newark, California. From Henry Pietropaoli and Scott Allin. To Douglas Young, ACWD. April 20.
[5] Farallon. 2022. Letter Regarding First and Second Quarter 2021 Groundwater Monitoring and Request for Site Closure, 6756 and 6792 Central Avenue, Newark, California. From Peter Sims and Scott Allin. To Ava Lazor, ACWD. March 24.

and flow direction are shown on Figure 3. Historical laboratory analytical results, monitoring well construction details, and groundwater elevation measurements are presented in Tables 2 through 13. Based on the findings of the previous investigations and groundwater monitoring, Farallon requested case closure under the Water Board Low-Threat Closure Policy.

In the letter regarding Denial of Low-Threat Underground Storage Tank Case Closure Request dated May 20, 2022,[6] ACWD identified four criteria where additional data are required to qualify for case closure:

1) Update the CSM to include a description of the Newark Aquifer, the shallowest regional aquifer in the Site vicinity and a source of drinking water, and describe the potential impacts to the Newark Aquifer from releases at the Site;
2) Conduct additional sampling to delineate the down-gradient extent of the contaminant plume exceeding water quality objectives, and evaluate whether petroleum hydrocarbons detected in groundwater are hydrocarbon oxidation products;
3) Update the vapor intrusion to indoor air risk assessment; and
4) Update the CSM to address the potential discharge of impacted groundwater from the Site to the nearby aquatic habitats of the San Francisco Bay and/or salt ponds.

To fulfill ACWD's four criteria, Farallon prepared the Data Gap Investigation Work Plan, which was revised via email to Ava Lazor of ACWD on October 28, 2022.[7] In addition, because the evidence of a release at the Site originated primarily from the former 10,000-gallon aboveground storage tank, the case was transferred to the Site Cleanup Program, and ACWD stated that suitability for closure of the Site should be evaluated using the Assessment Tool for Closure. Although the criteria outlined in the Assessment Tool for Closure are intended for chlorinated solvent impacted properties, they are applicable to other contaminated properties such as the Site.

The Data Gap Investigation Work Plan included advancing three borings (F-26, F-27, and F-28) on the southwest-adjoining Cargill, Inc. (Cargill) property at 7220 Central Avenue in

[6] ACWD. 2022. Letter Regarding Denial of Low-Threat Underground Storage Tank Case Closure Request, 6756 and 6792 Central Avenue, Newark, California (ACWD Site #0692). From Michelle Myers. To Gavin Polite Fisco, 6756-6792 Central Ave Newark CA LLC. May 20.
[7] Farallon. 2022. Email Regarding 6756 and 6792 Central Avenue, Newark Work Plan. From Peter Sims. To Ava Lazor, ACWD. October 28.

Newark, California identified as Alameda County Assessor's Parcel Nos. 537-0751-007-01, 537-0751-008, and 0920253-002-01. Prologis entered into an access agreement with Cargill to advance borings F-26, F-27, and F-28 at the Cargill property. Cargill provided to Prologis a Soil Removal and Closure Report[8] that documented the removal of soil and groundwater impacted by a release of bunker fuel from three aboveground storage tanks formerly located at the Cargill property. The three former bunker fuel aboveground storage tanks were removed from the Cargill property by approximately 1959. A 1959 aerial photograph reportedly showed an area of dark stained soil around the positions of the former bunker fuel aboveground storage tanks. In the 1960s, a single-story building identified as the Cargill admin building (Figure 2) was built on top of the location of one of the former bunker fuel aboveground storage tanks. Approximately 2,900 tons of soil and 2,000 gallons of water were removed from two remedial excavations proximate to the north and east of the Cargill admin building. Excavation of impacted soil was limited by the presence of the Cargill admin building. Residual bunker fuel impacts left in-place beneath the Cargill admin building were demonstrated by concentrations of TPH in soil samples collected from locations adjoining the Cargill admin building. TPH were detected in sidewall soil samples CSEX1-#1, CSEX1-#7, CSEX2-#1, and CSEX2-#2 at concentrations of 2,200, 3,000, 6,400, and 6,400 mg/kg, respectively, at a depth of approximately 7.5 feet bgs. There is not an ESL established for bunker fuel. Samples CSEX1-#1 and CSEX1-#7 were located north of the Cargill admin building, and samples CSEX2-#1 and CSEX2-#2 were located east of the Cargill admin building.

DATA GAP INVESTIGATION

The following sections provide a summary of the scope of work and results for the implementation of the Data Gap Investigation Work Plan.

1) AND 4) UPDATE THE CONCEPTUAL SITE MODEL

A CSM is presented in Table 14. The CSM presents a set of working hypotheses regarding all aspects of the contaminant release at the Site, including regional and Site geology and hydrogeology; a review of sensitive receptors; constituents of concern (COCs); the release source; a review of contamination identified in soil and groundwater; source removal activities; and a risk evaluation. The CSM presented in Table 14 has been updated to discuss the Newark Aquifer and the nearby aquatic habitats of the salt ponds and San Francisco Bay. The potential for negative impacts to the Newark Aquifer and aquatic

[8] Hydrologic Consultants, Inc. of Colorado. 1998. *Soil Removal and Closure Report, 5.4 Acre Parcel, Cargill Salt, Newark, California Facility.* Prepared for Cargill Salt. July 7.

habitats from historical releases at the Site is evaluated in the CSM and found to be unlikely. As summarized in Table 14, the CSM indicates that significant characterization data gaps do not exist.

2) CONDUCT ADDITIONAL SAMPLING TO DELINEATE THE DOWN-GRADIENT EXTENT OF THE CONTAMINANT PLUME EXCEEDING WATER QUALITY OBJECTIVES, AND EVALUATE WHETHER PETROLEUM HYDROCARBONS DETECTED IN GROUNDWATER ARE HYDROCARBON OXIDATION PRODUCTS

The following sections provide a summary of the scope of work and results for the implementation of the temporary groundwater monitoring well installation and groundwater monitoring event presented in the Data Gap Investigation Work Plan.

Permitting

Prior to commencing drilling activities, Farallon obtained ACWD Drilling Permit No. 2023-023 from ACWD. The approved permit is provided in Attachment A.

Health and Safety Plan

Per Section 3203 of Title 8 of the California Code of Regulations (8 CCR 3203), a Health and Safety Plan (HASP) is required for all field activities, due to the potential for exposure to hazardous substances. Farallon prepared a HASP prior to commencement of any field activities. The HASP complied with the requirements of the Occupational Safety and Health Act of 1970 and 8 CCR 3203.

March 2, 2023 Temporary Groundwater Monitoring Well Installation and Destruction

On March 2, 2023, three temporary groundwater monitoring wells (F-26 , F-27, and F-28) were installed for the collection of groundwater samples at the property south-adjacent and down-gradient of the Site. Boring locations for installation of temporary groundwater monitoring wells are shown on Figure 2.

The borings for installation of temporary monitoring wells were advanced by Cascade Drilling, L.P., a California-licensed C-57 contractor, using a hand auger to depths ranging from 6 to 8 feet bgs. A Farallon Scientist observed subsurface conditions during drilling and recorded Unified Soil Classification System descriptions, soil moisture, occurrence of groundwater, physical indications of potential contamination (e.g., odor, staining), and field-screening results obtained using a photoionization detector on Farallon's Log of Boring, presented in Attachment B. Soil cuttings generated during the drilling for installation of temporary monitoring wells were containerized pending characterization for off-Site disposal.

Temporary groundwater monitoring wells F-26, F-27, and F-28 were constructed using prepacked 3/4-inch polyvinyl chloride with 5 feet of 0.010-inch slotted screen and 20/40 sand contained within a steel mesh. Farallon collected groundwater level measurements and groundwater samples as described below. After sampling, the temporary groundwater monitoring wells F-26 through F-28 were destroyed by removing the pre-packed well casing and sand, and backfilling the boring with neat cement in accordance with ACWD permit requirements.

March 2, 2023 Groundwater Monitoring

Groundwater samples were collected from temporary groundwater monitoring wells F-26 through F-28 and existing monitoring wells MW-3 through MW-8. Groundwater samples were collected from temporary groundwater monitoring wells F-26 through F-28 to evaluate potential impacts to shallow groundwater down-gradient of the Site. Groundwater samples were collected from existing monitoring wells MW-3, MW-4, MW-6, and MW-7 to evaluate background concentrations; MW-5 to evaluate DRO and PAHs, which were detected in historical groundwater samples at concentrations greater than their respective commercial/industrial ESLs; and MW-8 to evaluate PAHs, which were detected in historical groundwater samples at concentrations greater than commercial/industrial ESLs.

Groundwater-level measurements and groundwater samples were collected using low-flow groundwater sampling procedures on March 2, 2023. Groundwater sampling was conducted in accordance with Farallon's standard operating procedures, provided in Attachment C. Groundwater samples were submitted to McCampbell Analytical Inc. of Pittsburg, California, accredited under the California State Environmental Laboratory Accreditation Program for analysis in accordance with the Data Gap Investigation Work Plan and the Sampling and Analysis Plan provided in Table 1.

March 2, 2023 Groundwater Monitoring Results

Groundwater monitoring well construction information is summarized in Table 7; current and historical groundwater elevations are summarized in Table 8. Current and historical groundwater analytical results for TPH including HOPs, VOCs, PAHs, metals, and total dissolved solids (TDS) are summarized in Tables 9 through 13, respectively. The analytical results were compared with Tier 1 ESLs, MCLs, and other commercial/industrial values. Field forms used for the groundwater monitoring events are provided in Attachment D. The laboratory analytical reports are provided in Attachment E. The measured groundwater elevations and calculated groundwater flow direction for the March 2, 2023 groundwater monitoring event are shown on Figure 3.

The depth to water varied between 2.70 and 5.25 feet below the ground surface or top of the monitoring well casing (Table 1). The water-level elevation was calculated to be between 14.40 and 17.12 feet above mean sea level (Table 8). The groundwater flow direction was calculated to be southwest at a gradient of approximately 0.004 foot per foot, as illustrated on Figure 3.

DRO analyzed without and with silica gel cleanup was detected at concentrations of 200 and 130 micrograms per liter (µg/l), respectively, in reconnaissance groundwater sample F-26, which exceed the Tier 1 ESL of 100 µg/l but are equal to or less than the MCL of 200 µg/l. In the laboratory report, the fuel pattern for reconnaissance groundwater sample F-26 was qualified as "diesel range compounds are detected; no recognizable pattern." However, the analytical laboratory stated via email (May 12, 2023 email)[9] that reconnaissance groundwater sample F-26 showed a "…possible degraded bunker [fuel] oil pattern. It's missing the characteristic alkane peaks but does show pattern across [the] entire [bunker fuel oil] BO range" in the DRO analyses without and with silica gel cleanup. The potential exists for residual bunker fuel impacts left in-place beneath the Cargill admin building to have contributed to impact identified in the sample from F-26. DRO analyzed without silica gel cleanup was detected at a concentration of 120 µg/l in reconnaissance sample F-27, which is greater than the Tier 1 ESL of 100 µg/l but less than the MCL of 200 µg/l. The analytical laboratory stated via the May 12, 2023 email that DRO detected without silica gel cleanup in reconnaissance groundwater sample F-27 did not match diesel or bunker fuel patterns. DRO analyzed with silica gel cleanup was not detected at a concentration exceeding laboratory reporting limit in reconnaissance groundwater sample F-27. Detections of DRO in sample F-27 likely represent HOPs, as discussed below. DRO analyzed without or with silica gel cleanup was not detected at a concentration exceeding laboratory reporting limits in reconnaissance groundwater sample F-28. DRO analyzed with or without silica gel cleanup was not detected at a concentration exceeding laboratory reporting limits in the groundwater samples collected from monitoring wells MW-3 through MW-8. Concentrations of DRO analyzed with or without silica gel cleanup were less than the saltwater ECOTOX ESLs in reconnaissance groundwater samples F-26, F-27, and F-28, and groundwater samples collected from monitoring wells MW-3 through MW-8.

[9] McCampbell Analytical Inc. (McCampbell). 2023. Email Regarding REVISED Analytical Report for Project: 1071-105; 6756-6792 Central Ave [MAI WO#: 2303198]. From Angela Rydelius. To Peter Sims, Farallon. May 12.

The following formula provided in the ESL User's Guide[10] was used to calculate HOPs present in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8 during the March 2, 2023 groundwater monitoring event.

[HOPS] = [Total Organics] – [PHCs] – [NOCs]

Where:
[] = Concentration
[Total Organics] = Plume sample analyzed for DRO C10-C28 without silica gel cleanup
[PHCs] = Petroleum hydrocarbons; the same plume sample analyzed for DRO C10-C28 with silica gel cleanup
[NOCs] = Natural organic compounds; a sample from an unimpacted (background) area with similar vegetative and hydrogeologic characteristics as plume sample analyzed for DRO C10-C28 without silica gel cleanup

For the calculation of HOPs, the NOCs value was determined to be zero based on non-detect values for DRO C10-C28 without silica gel cleanup in groundwater samples collected from up-gradient monitoring wells MW-3 and MW-4. In addition, the HOPs calculations conservatively used zero for the PHCs value when concentrations of DRO C10-C28 with silica gel cleanup were less than the laboratory detection limit of 100 µg/l. Concentrations of HOPs were calculated to be 170 and 140 µg/l in reconnaissance groundwater samples F-26 and F-27, respectively, which exceed the Tier 1 ESL of 100 µg/l but are less than the MCL of 410 µg/l. HOPs were not detected in the reconnaissance groundwater sample F-28 or the samples collected from groundwater monitoring wells MW-3 through MW-8. Calculated HOPs concentrations were less than the saltwater ECOTOX ESL of 510 µg/l in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8. The calculation of HOPs for sample MW-5 resulted in a negative value. The analytical laboratory stated via email[11] that both the MW-5 analysis without and with silica gel cleanup were performed on the same gas chromatograph and calibration run. No carryover for samples treated with silica gel was found as the samples were analyzed after the method blank. The analytical laboratory had disposed of sample MW-5 by the time this was discovered and was not able to re-extract the sample for further investigation of the issue. The issue was found to not be significant due to the relatively low concentration of

[10] Water Board. 2019. *User's Guide: Derivation and Application of ESLs* (ESL User's Guide).
[11] McCampbell. 2023. Email Regarding Analytical Report for Project: 251-230302; W&J Enterprises [MAI WO#: 2303185]. From Christine Askari. To Peter Sims, Farallon. May 24.

DRO C10-C28 with silica gel cleanup detected in the sample collected from monitoring well MW-5.

ORO analyzed without and with silica gel cleanup was detected at concentrations of 860 and 430 µg/l, respectively, in reconnaissance groundwater sample F-26. ORO analyzed without or with silica gel cleanup was not detected at a concentration exceeding laboratory reporting limits in the reconnaissance groundwater samples F-27 and F-28 or in groundwater samples collected from monitoring wells MW-3 through MW-8. ESLs have not been established for ORO.

Several PAHs were detected at concentrations exceeding laboratory detection limits in the groundwater samples. PAHs were not detected at concentrations exceeding Tier 1 ESLs in reconnaissance groundwater samples collected from temporary monitoring wells F-26, F-27, and F-28 or groundwater samples collected from monitoring wells MW-3, MW-4, MW-6, and MW-7. Benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding Tier 1 ESLs but less than the MCLs in groundwater samples from monitoring well MW-5. Benzo(a)pyrene was detected at a concentration exceeding the Tier 1 ESL but less than the MCL in groundwater samples from monitoring well MW-8. Concentrations of benzo(a)anthracene and naphthalene, the only PAHs with established vapor intrusion human health risk level ESLs for commercial/industrial properties, were either not detected or detected at concentrations significantly less than the vapor intrusion ESLs in groundwater samples collected during the March 2023 sampling event. Concentrations of PAHs were less than the saltwater ECOTOX ESL of 510 µg/l in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8.

TDS were detected at a maximum concentration of 11,300 mg/l in the reconnaissance groundwater sample F-27. However, the laboratory noted that the reconnaissance groundwater samples F-26, F-27, and F-28 were aqueous solutions containing greater than approximately 1 percent sediment by volume, which likely contributed to the high TDS concentrations. TDS in groundwater monitoring wells at the Site were detected at a maximum concentration of 1,960 mg/l in the groundwater sample collected from monitoring well MW-8. The Secondary MCL range for TDS is 500 mg/l (recommended) to 1,000 mg/l (upper).[12] Detected TDS concentrations in groundwater monitoring wells installed in shallow

[12] California State Water Resources Control Board. 2018. California Code of Regulations, Title 22, Division 4, Chapter 15, Article 16, *Secondary Drinking Water Standards*. October 1.

water-bearing zones at the Site are indicative of brackish water. Shallow groundwater at the Site is contained in shallow water-bearing zones of the Newark Aquiclude, which are not expected to have beneficial use, and the presence of the Newark Aquiclude prevents significant downward migration of impacted groundwater from shallow water-bearing zones to the Newark Aquifer.

Waste Disposal

Disposable sampling and health and safety supplies and equipment were disposed of in an appropriate waste dumpster. Soil cuttings, excess groundwater, and decontamination water were stored in 55-gallon drums pending receipt of laboratory analytical results. Drums were stored on the Site in coordination with the Site owner. Laboratory analytical results from a sample collected from the drum of soil cuttings and groundwater monitoring results from this data gap investigation were used to profile the waste and identify appropriate disposal options. Contents of the drums were classified as nonhazardous and the drums were removed from the Site by Belshire Environmental Services, Inc. for disposal on May 8, 2023. Waste manifests are provided in Appendix F.

3) UPDATE THE VAPOR INTRUSION TO INDOOR AIR RISK ASSESSMENT

The vapor intrusion to indoor air risk assessment has been updated to include the most recent data collected during implementation of the Data Gap Investigation Work Plan. The cumulative vapor intrusion exposure risk and hazard were calculated by entering maximum concentrations of volatile COCs detected in groundwater samples collected from monitoring wells into the Water Board ESL Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator,[13] presented in Attachment G. Only COCs that contribute to vapor intrusion exposure risk and hazard were included in the risk assessment calculations. For example, DRO was detected in groundwater, but because it does not have a commercial/industrial vapor intrusion human health risk level ESL, it does not contribute to the calculation for cumulative vapor intrusion exposure risk and hazard, and was not included in the calculation of vapor intrusion exposure risk and hazard. A review of historical data collected at the Site found detections of four COCs that contribute to the calculation for cumulative vapor intrusion exposure risk and hazard: methyl ethyl ketone, methyl tertiary-butyl ether, benzo(a)anthracene, and naphthalene. The maximum detected concentration in groundwater monitoring well samples for each of the four COCs was entered into the calculation presented in Appendix F. Cumulative cancer risk and noncancer hazard due to

[13] Water Board. 2019. *Environmental Screening Levels, Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator.* Rev. 2.

vapor intrusion were 6.3E-09 and 1.5E-04, respectively, which are less than the cancer risk and the noncancer hazard thresholds of 1.0E-6 and 1.0, respectively. Although no soil gas samples have been collected at the Site, the plethora of soil and groundwater samples with concentrations of all COCs less than commercial/industrial vapor intrusion human health risk level ESLs, and the cumulative cancer risk and noncancer hazard less than thresholds illustrate that subsurface conditions do not expose commercial workers to unacceptable health risks under continued commercial use.

CONCLUSIONS

The groundwater flow direction at the Site was calculated to be southwest at a gradient of approximately 0.004 foot per foot during the March 2, 2023 groundwater monitoring event, which is consistent with previous results.

Analytical results indicate that concentrations of COCs in groundwater at the Site are less than MCLs. The concentrations of DRO and PAHs detected in groundwater at the Site have decreased from slightly greater than the MCLs to less than the MCLs in the most recent groundwater monitoring event. COCs were not detected at concentrations exceeding the MCLs in the reconnaissance groundwater samples F-26, F-27, and F-28, and the contaminant plume exceeding water quality goals has been delineated in the down-gradient direction. The concentrations of volatile COCs detected in groundwater samples collected from on-Site monitoring wells MW-3 through MW-8 on March 2, 2023 were less than the commercial/industrial ESL for vapor intrusion human health risk level. The concentrations of COCs detected in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8 were less than saltwater ECOTOX ESLs.

The Site is in the Niles Cone Groundwater Basin, where groundwater is considered to have beneficial use, per the Basin Plan.[14] However, groundwater quality within the Newark Aquifer near the San Francisco Bay has been degraded by saltwater intrusion. Detected TDS concentrations in groundwater monitoring wells installed in shallow water-bearing zones at the Site are indicative of brackish water, which is expected given the proximity of the Site to the San Francisco Bay and salt ponds. Shallow groundwater at the Site is contained in shallow water-bearing zones of the Newark Aquiclude, which are not expected to have beneficial use, and the presence of the Newark Aquiclude prevents significant downward

[14] Water Board. 2019. *Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin.* Updated March 7, 2023. November 5 (Basin Plan).

migration of impacted groundwater from shallow water-bearing zones to the Newark Aquifer. The down-gradient salt ponds and the San Francisco Bay were identified approximately 100 feet southwest and 2.5 miles southwest of the Site, respectively, and it is highly unlikely that they have been impacted by historical releases at the Site because COCs were not detected at concentrations exceeding aquatic habitat ESLs in the down-gradient groundwater samples F-26, F-27, and F-28. The nearest down-gradient water-supply well is approximately 1,600 feet southwest of the Site. Based on the distance to the water-supply well from the Site and the low concentrations of COCs detected in groundwater at the Site, it is highly unlikely that historical releases at the Site have impacted water-supply wells or have the potential to impact water-supply wells in the future.

Based on the findings of this data gap investigation, the CSM is complete, with no remaining data gaps. Pollutant sources have been remediated to the extent feasible. Residual chemical impact beneath the Site does not pose an unacceptable risk to human health, ecological health, or sensitive receptors, considering current and identifiable future land and water uses. Residual chemical impact does not pose an unacceptable threat to groundwater and surface water resources, considering current and identifiable future beneficial uses. Detections of COCs in the groundwater plume have decreased from slightly exceeding the MCLs to less than the MCLs in the most recent groundwater monitoring event performed on March 2, 2023, and cleanup standards have been met. Based on a review of Site conditions compared with the Assessment Tool for Closure, as summarized in Table 15, it is Farallon's opinion that the closure criteria have been met.

RECOMMENDATIONS

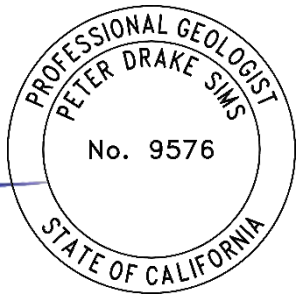
It is Farallon's opinion that the Site qualifies for closure under the Assessment Tool for Closure. Farallon recommends that the Site be granted No Further Action status and regulatory case closure. Upon receipt of concurrence from ACWD, Farallon will arrange for destruction of the Site monitoring wells.

CLOSING

Please contact Peter Sims at (949) 338-8317 or Scott Allin at (916) 616-8113 if you have questions regarding the information provided in this letter report.

Sincerely,

Farallon Consulting, L.L.C.



Peter D. Sims, P.G.
Associate Geologist

Scott Allin, R.E.P.A.
Principal Environmental Scientist

Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan Showing Boring and Monitoring Well Locations*
Figure 3, *Groundwater Elevation Contours – March 2, 2023*
Table 1, *2023 Data Gap Investigation Sampling and Analysis Plan*
Table 2, *Soil Analytical Results for TPH*
Table 3, *Soil Analytical Results for Detected VOCs*
Table 4, *Soil Analytical Results for PCBs*
Table 5, *Soil Analytical Results for PAHs*
Table 6, *Soil Analytical Results for Metals*
Table 7, *Monitoring Well Construction Information*
Table 8, *Groundwater Elevations*
Table 9, *Groundwater Analytical Results for TPH*
Table 10, *Groundwater Analytical Results for Detected VOCs*
Table 11, *Groundwater Analytical Results for PAHs*
Table 12, *Groundwater Analytical Results for Metals*
Table 13, *Groundwater Analytical Results for Total Dissolved Solids*
Table 14, *Conceptual Site Model*
Table 15, *Assessment Tool for Closure Checklist*
Attachment A, Drilling Permit
Attachment B, Boring Logs
Attachment C, Standard Operating Procedures
Attachment D, Field Forms
Attachment E, Laboratory Analytical Reports
Attachment F, Waste Manifests
Attachment G, Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator

cc: Donald J. Brown, Cargill, Inc.
Michael Skoglund, Cargill, Inc.

PS/SA:sw

LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- Accuracy of Information. Farallon reviewed certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy. Should the information upon which Farallon relied prove to be inaccurate, Farallon may revise its conclusions, opinions, and/or recommendations.
- Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

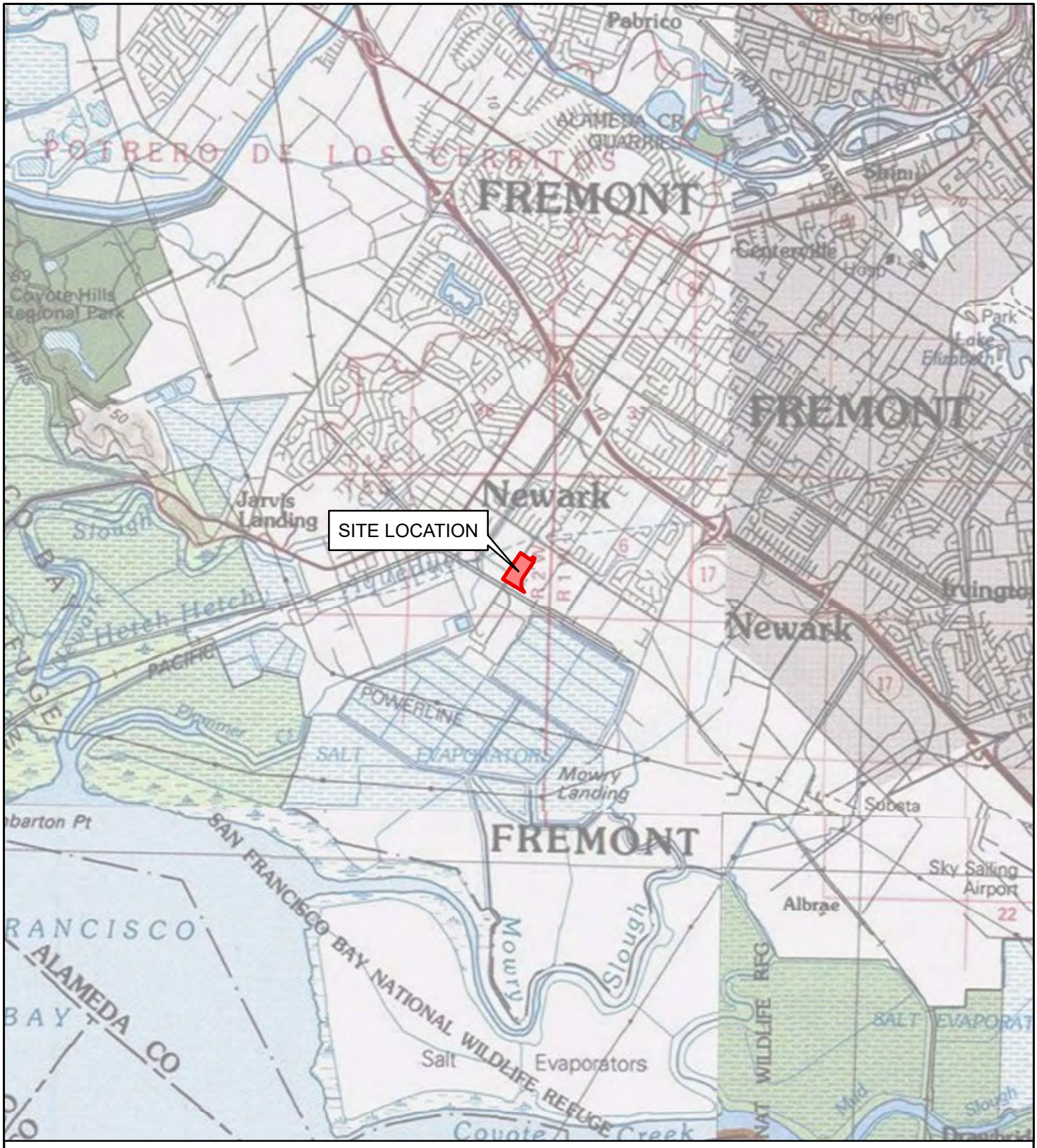
Farallon does not guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions are as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Prologis. No other warranties, representations, or certifications are made.

FIGURES

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105



REFERENCE: 7.5 MINUTE USGS QUADRANGLE NEWARK, CALIFORNIA, DATED 2013



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SCALE IN FEET

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FIGURE 1

SITE VICINITY MAP
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

Drawn By: lmurock | Checked By: PS | Date: 3/14/2023 | Disc Reference: Q:\Projects\1071 Prologis\105 6756 & 6792 Central Ave\Mapfiles\007\Figure-01_VicinityMap.mxd



LEGEND

- BORING
- MONITORING WELL
- FORMER SITE FEATURE
- SITE BOUNDARY

AST = ABOVEGROUND STORAGE TANK
UST = UNDERGROUND STORAGE TANK

N

0 200

SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 2

SITE PLAN SHOWING BORING AND MONITORING WELL LOCATIONS
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

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LEGEND

- MONITORING WELL
- FORMER SITE FEATURE
- SITE BOUNDARY
- (17.12) GROUNDWATER ELEVATION MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- 17.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

AST = ABOVEGROUND STORAGE TANK
UST = UNDERGROUND STORAGE TANK

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
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FIGURE 3

GROUNDWATER ELEVATION CONTOURS
MARCH 2, 2023
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

Drawn By: lmurock | Checked By: PS | Date: 6/1/2023 | Disc Reference:

Path: Q:\Projects\1071 Prologis\105 6756 & 6792 Central Ave\Mapfiles\007\Figure-03_GW_Contours_202303.mxd

TABLES

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

Table 1
2023 Data Gap Investigation Sampling and Analysis Plan
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Matrix	Boring/Well Depth[1]	Groundwater Depth at Time of Sampling[1]	DRO with silica gel cleanup[2]	DRO without silica gel cleanup[2]	ORO with silica gel cleanup[2]	ORO without silica gel cleanup[2]	PAHs[3]	TDS[4]
F-26	Groundwater	8.0	4.56	X	X	X	X	X	X
F-27	Groundwater	6.0	1.37	X	X	X	X	X	X
F-28	Groundwater	6.0	1.70	X	X	X	X	X	X
MW-1	---	21.0	3.37	---	---	---	---	---	---
MW-2	---	21.0	2.91	---	---	---	---	---	---
MW-3	Groundwater	21.0	3.41	X	X	X	X	X	X
MW-4	Groundwater	21.0	2.46	X	X	X	X	X	X
MW-5	Groundwater	21.0	5.25	X	X	X	X	X	X
MW-6	Groundwater	21.0	3.90	X	X	X	X	X	X
MW-7	Groundwater	21.0	2.70	X	X	X	X	X	X
MW-8	Groundwater	21.0	5.01	X	X	X	X	X	X

NOTES:

X denotes sample collected for analysis.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8015.

[3]Analyzed by U.S. Environmental Protection Agency Method 8270C/SIM.

[4]Analyzed by Standard Method 2540C.

DRO = total petroleum hydrocarbons as diesel-range organics

ORO = total petroleum hydrocarbons as oil-range organics

PAHs = polycyclic aromatic hydrocarbons

TDS = total dissolved solids

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-1	F-1 (5')	5.0	4/2/2019	< 1.0 H	1.7	< 5.0
F-2	F-2 (5')	5.0	4/2/2019	< 0.88 H	< 1.0	< 5.0
F-3	F-3 (5')	5.0	4/3/2019	< 0.88	< 1.0	< 5.0
F-4	F-4 (5')	5.0	4/3/2019	23	130	400
F-5	F-5 (5')	5.0	4/3/2019	< 0.90	< 1.0	< 5.0
F-6	F-6 (5')	5.0	4/2/2019	< 0.87 H	3.3	18
F-7	F-7 (5')	5.0	4/2/2019	< 0.85 H	< 1.0	< 5.0
F-8	F-8 (5')	5.0	4/2/2019	< 0.84 H	< 1.0	< 5.0
F-9	F-9 (5')	5.0	4/2/2019	< 0.86 H	< 1.0	< 5.0
F-10	F-10 (5')	5.0	4/3/2019	< 0.90	< 1.0	< 5.0
F-11	F-11 (5')	5.0	4/2/2019	< 0.91 H	< 1.0	8.2
F-12	F-12 (5')	5.0	4/3/2019	< 0.85	< 1.0	< 5.0
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.91	22	140
F-14	F-14 (1')	1.0	5/7/2019	< 1.0	< 1.0	8.6
	F-14 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-15	F-15 (1')	1.0	5/7/2019	< 1.0	< 1.0	< 5.0
	F-15 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
Water Board Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**
Water Board ESLs Construction Worker Soil Exposure[5]				**1,100**	**54,000**	**54,000**

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-16	F-16 (1')	1.0	5/7/2019	< 1.0	< 1.0	5.6
	F-16 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-17	F-17 (1')	1.0	5/7/2019	3.9	130	1,600
	F17- (5')	5.0	5/7/2019	< 1.0	< 1.0	5.2
F-18	F-18 (1')	1.0	5/7/2019	1.5	180	1,400
	F-18 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-19	F-19 (1')	1.0	5/7/2019	< 1.0	210	1,400
	F-19 (5')	5.0	5/7/2019	< 1.0	61	180
F-20	F-20 (1')	1.0	5/7/2019	< 1.0	27	350
	F-20 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-21	F-21 (1')	1.0	5/7/2019	< 1.0	7.5	47
	F-21 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-22	F-22 (1')	1.0	5/7/2019	< 1.0	< 1.0	< 5.0
	F-22 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-23	F-23 (1')	1.0	5/7/2019	< 1.0	12	200
	F-23 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-24	F-24 (1')	1.0	5/7/2019	< 1.0	1.3	31
	F-24 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
Water Board Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**
Water Board ESLs Construction Worker Soil Exposure[5]				**1,100**	**54,000**	**54,000**

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-25	F-25 (1')	1.0	5/7/2019	< 1.0	2.8	58
	F-25 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
MW-1	MW-1 (5')	5.0	2/11/2020	---	< 1.0	< 5.0
MW-2	MW-2 (5')	5.0	2/11/2020	---	< 1.0	< 5.0
MW-3	MW-3 (5')	5.0	2/11/2020	---	< 1.0	< 5.0
MW-4	MW-4 (5')	5.0	2/12/2020	---	< 1.0	< 5.0
MW-5	MW-5 (5')	5.0	2/13/2020	---	< 1.0	< 5.0
MW-6	MW-6 (5')	5.0	2/12/2020	---	< 1.0	< 5.0
MW-7	MW-7 (5')	5.0	2/12/2020	---	< 1.0	< 5.0
MW-8	MW-8 (3')	3.0	2/13/2020	---	**3,400**	**9,700**
Water Board Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**
Water Board ESLs Construction Worker Soil Exposure[4]				**1,100**	**54,000**	**54,000**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding commercial/construction worker ESLs.

--- denotes sample not analyzed.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8015B.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels (Table S-1), more conservative ESL between cancer risk and non-cancer hazard, dated 2019 (Rev. 2).

DRO = total petroleum hydrocarbons as diesel-range organics

ESL = Environmental Screening Level

GRO = total petroleum hydrocarbons as gasoline-range organics

H = result was analyzed outside of holding time

ORO = total petroleum hydrocarbons as oil-range organics

Table 3
Soil Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]	
				Naphthalene	Tetrachloroethene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0091	< 0.00046
F-2	F-2 (5')	5.0	4/2/2019	< 0.0086	< 0.00043
F-3	F-3 (5')	5.0	4/3/2019	< 0.0084	< 0.00042
F-4	F-4 (5')	5.0	4/3/2019	**2.9**	0.0053
F-5	F-5 (5')	5.0	4/3/2019	< 0.0096	< 0.00048
F-6	F-6 (5')	5.0	4/2/2019	< 0.0083	< 0.00041
F-7	F-7 (5')	5.0	4/2/2019	< 0.009	< 0.00045
F-8	F-8 (5')	5.0	4/2/2019	< 0.0099	< 0.0005
F-9	F-9 (5')	5.0	4/2/2019	< 0.0082	< 0.00041
F-10	F-10 (5')	5.0	4/3/2019	< 0.0092	< 0.00046
F-11	F-11 (5')	5.0	4/2/2019	< 0.01	< 0.00051
F-12	F-12 (5')	5.0	4/3/2019	< 0.0093	< 0.00046
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.0089	< 0.00045
F-14	F-14 (1')	1.0	5/7/2019	< 0.0041	< 0.0041
	F-14 (5')	5.0	5/7/2019	< 0.0043	< 0.0043
F-15	F-15 (1')	1.0	5/7/2019	< 0.0045	< 0.0045
	F-15 (5')	5.0	5/7/2019	< 0.0041	< 0.0041
F-16	F-16 (1')	1.0	5/7/2019	< 0.0043	< 0.0043
	F-16 (5')	5.0	5/7/2019	< 0.0041	< 0.0041
Water Board Tier 1 ESLs for Soil[3]				**0.042**	**0.080**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**17**	**2.7**
Water Board ESLs Construction Worker Soil Exposure[5]				**400**	**33**

Table 3
Soil Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]	
				Naphthalene	Tetrachloroethene
F-17	F-17 (1')	1.0	5/7/2019	< 0.0059	< 0.0059
	F17- (5')	5.0	5/7/2019	< 0.005	< 0.005
F-19	F-19 (1')	1.0	5/7/2019	< 0.005	< 0.005
	F-19 (5')	5.0	5/7/2019	0.035	< 0.005
F-20	F-20 (1')	1.0	5/7/2019	**0.10**	< 0.0049
	F-20 (5')	5.0	5/7/2019	< 0.0043	< 0.0043
MW-1	MW-1 (5')	5.0	2/11/2020	< 0.0040	< 0.00081
MW-2	MW-2 (5')	5.0	2/11/2020	< 0.0041	< 0.00083
MW-3	MW-3 (5')	5.0	2/11/2020	< 0.0040	< 0.00080
MW-4	MW-4 (5')	5.0	2/12/2020	< 0.0040	< 0.00079
MW-5	MW-5 (5')	5.0	2/13/2020	< 0.0044	< 0.00088
MW-6	MW-6 (5')	5.0	2/12/2020	< 0.0041	< 0.00082
MW-7	MW-7 (5')	5.0	2/12/2020	< 0.0043	< 0.00085
MW-8	MW-8 (3')	3.0	2/13/2020	**2.7**	< 0.020
Water Board Tier 1 ESLs for Soil[3]				**0.042**	**0.080**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**17**	**2.7**
Water Board ESLs Construction Worker Soil Exposure[4]				**400**	**33**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260B. Only detected VOCs are shown in the table; the laboratory analytical report provides a full list of analytes.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels (Table S-1), more conservative ESL between cancer risk and non-cancer hazard, dated 2019 (Rev. 2).

ESL = Environmental Screening Level

VOCs = volatile organic compounds

Table 4
Soil Analytical Results for PCBs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
F-1	F-1 (5')	5.0	4/2/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-3	F-3 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-5	F-5 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-7	F-7 (5')	5.0	4/2/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-12	F-12 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
Water Board Tier 1 ESLs for Soil[3]											**0.23**
Water Board ESLs Commercial: Shallow Soil Exposure[4]											**0.94**
Water Board ESLs Construction Worker Soil Exposure[4]											**5.5**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

ESL = Environmental Screening Level

PCBs = polychlorinated biphenyls

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 Environmental Screening Levels (ESLs) for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels (Table S-1) dated January 2019 (Rev. 1).

Table 5
Soil Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]								
				1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-3	F-3 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	0.0052	< 0.0013	0.0089	0.034	0.037	0.019	0.020
F-5	F-5 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	0.0014	0.0067	0.0046	0.0023	< 0.0025
F-7	F-7 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-12	F-12 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	0.0043	< 0.0013	0.0061	0.026	0.026	0.014	0.014
F-13	F-13 (6.5')	6.5	4/3/2019	0.089	0.14	1.4	< 0.013	0.66	0.38	**0.35**	0.19	0.17
F-14	F-14 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-15	F-15 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0063	0.0029	0.0022	< 0.0025
F-16	F-16 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0099	0.0073	0.0057	0.0048
F-17	F17- (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	0.0016	0.0095	0.0070	0.0042	0.0053
F-18	F-18 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-20	F-20 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0089	0.0051	0.0036	0.0027
F-24	F-24 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
Water Board Tier 1 ESLs for Soil[3]				**NE**	**0.88**	**12**	**6.4**	**1.9**	**0.63**	**0.11**	**1.1**	**2.5**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**NE**	**3,000**	**45,000**	**NE**	**230,000**	**20**	**2.1**	**21**	**NE**
Water Board ESLs Construction Worker Soil Exposure[4]				**NE**	**670**	**10,000**	**NE**	**50,000**	**110**	**10**	**110**	**NE**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270C and 8270C-SIM.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow (Table S-1) dated January 2019 (Rev. 1).

B = analyte was detected in the associated method blank

ESL = Environmental Screening Level

NE = not established

PAHs = polycyclic aromatic hydrocarbons

Table 5
Soil Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]								
				Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Phenanthrene	Pyrene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0025	0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-3	F-3 (5')	5.0	4/3/2019	0.012	0.031	0.0046	0.049	0.0026	0.014	0.0023	0.024	0.047
F-5	F-5 (5')	5.0	4/3/2019	0.0022	0.0046 B	< 0.0025	0.0072	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0067
F-7	F-7 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-12	F-12 (5')	5.0	4/3/2019	0.0089	0.022	0.0027	0.035	< 0.0025	0.011	< 0.0013	0.015	0.036
F-13	F-13 (6.5')	6.5	4/3/2019	0.10	0.37	0.060	**1.7**	0.43	0.14	**0.40**	2.0	1.6
F-14	F-14 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-15	F-15 (5')	5.0	5/7/2019	0.0018	0.0038	< 0.0025	0.0060	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0055
F-16	F-16 (5')	5.0	5/7/2019	0.0055	0.0092	< 0.0025	0.0094	< 0.0025	0.0032	< 0.0013	< 0.005	0.010
F-17	F17- (5')	5.0	5/7/2019	0.0046	0.0085	< 0.0025	0.012	< 0.0025	0.0033	< 0.0013	0.0057	0.013
F-18	F-18 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-20	F-20 (5')	5.0	5/7/2019	0.0029	0.0063	< 0.0025	0.0073	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0086
F-24	F-24 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
Water Board Tier 1 ESLs for Soil[3]				**2.8**	**2.2**	**0.11**	**0.69**	**6.0**	**0.48**	**0.042**	**7.8**	**45**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**210**	**2,100**	**2.1**	**30,000**	**30,000**	**21**	**17**	**NE**	**23,000**
Water Board ESLs Construction Worker Soil Exposure[4]				**910**	**9,100**	**11**	**6,700**	**6,700**	**110**	**400**	**NE**	**5,000**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270C and 8270C-SIM.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow (Table S-1) dated January 2019 (Rev. 1).

B = analyte was detected in the associated method blank

ESL = Environmental Screening Level

NE = not established

PAHs = polycyclic aromatic hydrocarbons

Table 6
Soil Analytical Results for Metals
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]																
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
F-1	F-1 (5')	5.0	4/2/2019	0.86	**11**	270	0.7	< 0.25	98	18	42	12	0.082 B	0.81	**120**	< 0.5	< 0.5	< 0.5	**64**	80
F-2	F-2 (5')	5.0	4/2/2019	0.9	**9.8**	**560**	0.68	< 0.25	92	15	37	10	0.070 B	1.0	**110**	< 0.5	< 0.5	< 0.5	**61**	74
F-3	F-3 (5')	5.0	4/3/2019	0.62	**6.6**	120	0.5	< 0.25	81	12	26	7.1	< 0.05	0.66	**99**	< 0.5	< 0.5	< 0.5	**46**	52
F-4	F-4 (5')	5.0	4/3/2019	0.93	**8.1**	280	0.59	< 0.25	79	14	31	20	0.077	1.1	**89**	< 0.5	< 0.5	< 0.5	**56**	93
F-5	F-5 (5')	5.0	4/3/2019	0.82	**9.3**	260	0.61	< 0.25	87	15	34	9.6	< 0.05	0.81	**100**	< 0.5	< 0.5	< 0.5	**58**	67
F-6	F-6 (5')	5.0	4/2/2019	0.65	**7.3**	230	< 0.5	< 0.25	83	14	29	8.4	< 0.05	< 0.5	**100**	< 0.5	< 0.5	< 0.5	**46**	58
F-7	F-7 (5')	5.0	4/2/2019	0.64	**7.4**	210	0.54	< 0.25	80	12	29	8.4	< 0.05	0.56	**89**	< 0.5	< 0.5	< 0.5	**53**	55
F-8	F-8 (5')	5.0	4/2/2019	< 0.5	**6.3**	200	< 0.5	< 0.25	82	12	25	7.5	< 0.05	0.62	**98**	< 0.5	< 0.5	< 0.5	**45**	53
F-9	F-9 (5')	5.0	4/2/2019	0.75	**9.5**	160	0.68	< 0.25	93	16	36	10	0.10 B	0.77	**110**	< 0.5	< 0.5	< 0.5	**60**	71
F-10	F-10 (5')	5.0	4/3/2019	1.0	**12**	350	0.62	< 0.25	100	19	44	12	0.062 B	1.2	**130**	< 0.5	< 0.5	< 0.5	**69**	85
F-11	F-11 (5')	5.0	4/2/2019	< 5	**8.4**	220	< 5	< 2.5	77	15	38	8.6	< 0.5	< 5	**91**	< 5.0	< 5	< 5	**61**	75
F-12	F-12 (5')	5.0	4/3/2019	0.89	**10**	290	0.67	< 0.25	92	15	34	10	< 0.05	0.86	**100**	< 0.5	< 0.5	< 0.5	**61**	67
F-13	F-13 (6.5')	6.5	4/3/2019	0.67	**9.2**	240	0.55	< 0.25	75	19	27	11	0.051 B	0.77	**88**	< 0.5	< 0.5	< 0.5	**51**	64
Water Board Tier 1 ESLs for Soil[3]				**11**	**11[4]**	**390**	**5.0**	**1.9**	**160**	**23**	**180**	**32**	**13**	**6.9**	**86**	**2.4**	**25**	**0.78**	**18**	**340**
Water Board ESLs Commercial: Shallow Soil Exposure[5]				**160**	**0.31**	**220,000**	**230**	**1,100**	**NE**	**350**	**47,000**	**320**	**190**	**5,800**	**11,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
Water Board ESLs Construction Worker Soil Exposure[4]				**50**	**0.98**	**3,000**	**27**	**51**	**NE**	**28**	**14,000**	**160**	**44**	**1,800**	**86**	**1,700**	**1,800**	**3.5**	**470**	**110,000**

NOTES:
Green highlight denotes concentrations exceeding the laboratory reporting limit.
Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.
Results in **bold** and highlighted **yellow** denote concentrations exceeding commercial or construction worker ESLs.
< denotes analyte not detected at or exceeding the laboratory reporting limit listed.
B = analyte was detected in the associated method blank
ESL = Environmental Screening Level

[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 6020.
[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.
[4]San Francisco Bay Area background arsenic concentration in soils. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, dated December 2011. Accessed at: <https://www.waterboards.ca.gov/sanfranciscobay/water_issues/available_documents/2011_Arsenic_Background_Duverge.pdf>.
[5]Water Board Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure (Table S-1), dated January 2019 (Rev. 1).

Table 7
Monitoring Well Construction Information
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Monitoring Well Identification	Installation Date	Total Depth of Well (feet bgs)	Casing/Screen Diameter, Material, Wall Thickness	Screen Slot Size (inches)	Screen Length (feet)	Screened Interval (feet bgs)	Screen Filter Pack (feet bgs)	Filter Pack Type	Well Seal	Annular Seal (Fill to Surface)	Well Finish	Top of Casing Elevation (feet msl)[1]	Latitude[2]	Longitude[2]
MW-1	2/11/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	20.08	37.5257442	-122.027091
MW-2	2/11/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.85	37.5252974	-122.026691
MW-3	2/11/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.53	37.525059	-122.027669
MW-4	2/12/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.58	37.5246919	-122.026884
MW-5	2/13/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.65	37.5240946	-122.029273
MW-6	2/12/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.13	37.524098	-122.027953
MW-7	2/12/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.32	37.5241006	-122.027216
MW-8	2/13/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	20.80	37.5231907	-122.027894

NOTES:
[1]Vertical datum based on North American Vertical Datum of 1988.
[2]Horizontal datum based on North American Datum of 1983.

bgs = below ground surface
msl = mean sea level
PVC = polyvinyl chloride

Table 8
Groundwater Elevations
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Monitoring Well Identification	Top of Casing Elevation (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-1	20.08	3/5/2020	5.72	14.36
		5/27/2020	5.38	14.70
		1/13/2021	6.52	13.56
		4/6/2021	5.90	14.18
		3/2/2023	3.37	16.71
MW-2	19.85	3/5/2020	4.73	15.12
		5/27/2020	4.33	15.52
		1/13/2021	6.22	13.63
		4/6/2021	5.36	14.49
		3/2/2023	2.91	16.94
MW-3	19.53	3/5/2020	5.68	13.85
		5/27/2020	5.80	13.73
		1/13/2021	6.53	13.00
		4/6/2021	5.70	13.83
		3/2/2023	3.41	16.12
MW-4	19.58	3/5/2020	5.13	14.45
		5/27/2020	4.98	14.60
		1/13/2021	6.12	13.46
		4/6/2021	5.64	13.94
		3/2/2023	2.46	17.12
MW-5	19.65	3/5/2020	7.11	12.54
		5/27/2020	6.96	12.69
		1/13/2021	7.70	11.95
		4/6/2021	7.11	12.54
		3/2/2023	5.25	14.40
MW-6	19.13	3/5/2020	5.99	13.14
		5/27/2020	5.91	13.22
		1/13/2021	6.87	12.26
		4/6/2021	6.10	13.03
		3/2/2023	3.90	15.23

Table 8
Groundwater Elevations
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Monitoring Well Identification	Top of Casing Elevation (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-7	19.32	3/5/2020	5.40	13.92
		5/27/2020	5.09	14.23
		1/13/2021	6.31	13.01
		4/6/2021	5.55	13.77
		3/2/2023	2.70	16.62
MW-8	20.80	3/5/2020	7.84	12.96
		5/27/2020	8.09	12.71
		1/13/2021	8.99	11.81
		4/6/2021	8.22	12.58
		3/2/2023	5.01	15.79

NOTES:

[1] In feet above mean sea level.

NAVD88 = North American Vertical Datum of 1988

[2] In feet below top of well casing.

Table 9
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			GRO	DRO		HOPs Calculation[2]				ORO	
				Without SGC	With SGC	Total Organics (C10-C28 Without SGC)	PHCs (C10-C28 With SGC)	NOCs (Background Sample C10-C28 With SGC)	HOPs	C18-C36 Without SGC	C18-C36 With SGC
Reconnaissance Groundwater Samples											
F-1	4/2/2019	F-1	< 50	72	---	---	---	---	---	480	---
F-2	4/2/2019	F-2	< 50	< 100	---	---	---	---	---	920	---
F-3	4/3/2019	F-3	< 50	< 2,500	---	---	---	---	---	20,000	---
F-4	4/3/2019	F-4	< 50	**2,100**	---	---	---	---	---	9,300	---
F-5	4/3/2019	F-5	< 50	< 50	---	---	---	---	---	< 250	---
F-6	4/2/2019	F-6	< 50	60	---	---	---	---	---	620	---
F-7	4/2/2019	F-7	< 50	< 50	---	---	---	---	---	260	---
F-8	4/2/2019	F-8	< 50	**2,200**	---	---	---	---	---	21,000	---
F-9	4/2/2019	F-9	< 50	**970**	---	---	---	---	---	8,400	---
F-10	4/3/2019	F-10	< 50	**690**	---	---	---	---	---	2,300	---
F-11	4/2/2019	F-11	< 50	< 50	---	---	---	---	---	270	---
F-12	4/3/2019	F-12	< 50	88	---	---	---	---	---	< 250	---
F-13	4/3/2019	F-13	< 50	100	---	---	---	---	---	1,400	---
F-14	5/7/2019	F-14	< 50	< 50	---	---	---	---	---	< 250	---
F-15	5/7/2019	F-15	< 50	< 50	---	---	---	---	---	< 250	---
F-16	5/7/2019	F-16	< 50	< 50	---	---	---	---	---	< 250	---
F-17	5/7/2019	F-17	< 50	**520**	---	---	---	---	---	5,000	---
F-18	5/7/2019	F-18	< 50	< 50	---	---	---	---	---	< 250	---
F-19	5/7/2019	F-19	< 50	< 50	---	---	---	---	---	< 250	---
F-20	5/7/2019	F-20	< 50	< 50	---	---	---	---	---	< 250	---
F-21	5/7/2019	F-21	< 50	**270**	---	---	---	---	---	530	---
F-22	5/7/2019	F-22	< 50	**200**	---	---	---	---	---	1,500	---
F-23	5/7/2019	F-23	< 50	**1,900**	---	---	---	---	---	21,000	---
F-24	5/7/2019	F-24	< 50	< 100	---	---	---	---	---	880	---
F-25	5/7/2019	F-25	< 50	< 100	---	---	---	---	---	< 500	---
F-26	3/2/2023	F-26*	---	**200**	**130**	410	240	< 100	**170**	860	430 J
F-27	3/2/2023	F-27*	---	**120** E2	< 100	140 E2	< 100	< 100	**140**	< 500	< 500
F-28	3/2/2023	F-28*	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
Water Board Tier 1 ESLs for Groundwater[3]			**100**	**100**	**100**				**100**	**NE**	**NE**
Water Board Direct Exposure: MCL Priority[4]			**760**	**200**	**200**				**410**	**NE**	**NE**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[5]			**NE**	**NE**	**NE**				**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[6]			**3,700**	**640**	**640**				**510**	**NE**	**NE**

Table 9
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				DRO		HOPs Calculation[2]				ORO	
			GRO	Without SGC	With SGC	Total Organics (C10-C28 Without SGC)	PHCs (C10-C28 With SGC)	NOCs (Background Sample C10-C28 With SGC)	HOPs	C18-C36 Without SGC	C18-C36 With SGC
Monitoring Well Groundwater Samples											
MW-1	3/5/2020	MW-1	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-1	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-1	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-1	---	< 50	< 50	---	---	---	---	< 250	< 250
MW-1B	3/5/2020	MW-1B	---	< 50	---	---	---	---	---	< 250	---
MW-2	3/5/2020	MW-2	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-2	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-2	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-2	---	< 50	< 50	---	---	---	---	< 250	< 250
MW-3 (Background Sample)	3/5/2020	MW-3	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-3	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-3	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-3	---	< 50	---	---	---	---	---	< 250	< 250
	3/2/2023	MW-3	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-4	3/5/2020	MW-4	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-4	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-4	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-4	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-4	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-5	3/5/2020	MW-5	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-5	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-5	---	**110**	**---**	**---**	**---**	**---**	**---**	390	---
	4/6/2021	MW-5	---	**220**	< 50	**---**	**---**	**---**	**---**	< 250	< 250
	3/2/2023	MW-5	---	< 100	< 100	< 100	120	< 100	Not Detected	< 500	< 500
MW-5B	3/5/2020	MW-5B	---	< 50	---	---	---	---	---	< 250	---
Water Board Tier 1 ESLs for Groundwater[3]			**100**	**100**	**100**				**100**	**NE**	**NE**
Water Board Direct Exposure: MCL Priority[4]			**760**	**200**	**200**				**410**	**NE**	**NE**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[5]			**NE**	**NE**	**NE**				**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[6]			**3,700**	**640**	**640**				**510**	**NE**	**NE**

Table 9
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

			Analytical Results (micrograms per liter)[1]								
				DRO		HOPs Calculation[2]				ORO	
Sample Location	Sample Date	Sample Identification	GRO	Without SGC	With SGC	Total Organics (C10-C28 Without SGC)	PHCs (C10-C28 With SGC)	NOCs (Background Sample C10-C28 With SGC)	HOPs	C18-C36 Without SGC	C18-C36 With SGC
MW-6	3/5/2020	MW-6	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-6	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-6	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-6	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-6	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-7	3/5/2020	MW-7	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-7	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-7	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-7	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-7	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-8	3/5/2020	MW-8	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-8	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-8	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-8	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-8	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
Water Board Tier 1 ESLs for Groundwater[3]			**100**	**100**	**100**				**100**	**NE**	**NE**
Water Board Direct Exposure: MCL Priority[4]			**760**	**200**	**200**				**410**	**NE**	**NE**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[5]			**NE**	**NE**	**NE**				**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[6]			**3,700**	**640**	**640**				**510**	**NE**	**NE**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs.

Results in **bold** and highlighted **orange** denote concentrations exceeding Priority MCLs and Aquatic Habitat Saltwater Ecotox Goals.

Gray text denotes reconnaissance groundwater sample.

--- denotes sample not analyzed.

< denotes analyte not detected at or exceeding the reporting limit listed.

* denotes aqueous sample containing greater than approximately 1 percent sediment by volume.

[1]Analyzed by U.S. Environmental Protection Agency Method 8015B.

[2]HOPs = Total Organics - PHCs - NOCs. For PHC or NOC concentrations reported at less than the laboratory reporting limit, zero (0) was used in the HOPs formula.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[4]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), dated 2019 (Rev. 2).

[5]Water Board Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3), dated 2019 (Rev. 2).

[6]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

E2 = no recognizable pattern

ESL = Environmental Screening Level

GRO = TPH as gasoline-range organics

HOPS = hydrocarbon oxidation products

J = result is an estimate

MCL = Maximum Contaminant Level

NE = not established

NOCs = natural organic compounds; background sample analyzed for DRO C10-C28 with SC

ORO = TPH as oil-range organics

PHCs = petroleum hydrocarbons; plume sample analyzed for DRO C10-C28 with SGC

SGC = silica gel cleanup

Total Organics = plume sample analyzed for DRO C10-C28 without SGC

Table 10
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			1,2-Dichloroethane	2-Butanone (Methyl Ethyl Ketone)	4-Methyl-2-Pentanone	Acetone	Methyl Tertiary Butyl Ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
Reconnaissance Groundwater Samples										
F-1	4/2/2019	F-1	< 0.01	< 2	0.66	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-2	4/2/2019	F-2	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-3	4/3/2019	F-3	< 0.01	< 2	1.6	27	< 0.5	**0.30**	0.78	< 0.01
F-4	4/3/2019	F-4	< 0.01	< 2	< 0.5	< 10	< 0.5	**9.0**	< 0.5	< 0.01
F-5	4/3/2019	F-5	< 0.01	< 2	< 0.5	< 10	4.2	0.15	< 0.5	< 0.01
F-6	4/2/2019	F-6	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-7	4/2/2019	F-7	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-8	4/2/2019	F-8	< 0.01	< 2	< 0.5	21	< 0.5	< 0.1	< 0.5	< 0.01
F-9	4/2/2019	F-9	0.015	< 2	< 0.5	14	< 0.5	< 0.1	< 0.5	**0.043**
F-10	4/3/2019	F-10	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-11	4/2/2019	F-11	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-12	4/3/2019	F-12	< 0.01	< 2	< 0.5	< 10	< 0.5	**0.61**	< 0.5	< 0.01
F-13	4/3/2019	F-13	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-14	5/7/2019	F-14	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-15	5/7/2019	F-15	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-16	5/7/2019	F-16	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-17	5/7/2019	F-17	< 0.5	< 5	< 0.5	14	< 0.5	< 1.0	< 0.5	< 0.5
F-19	5/7/2019	F-19	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-20	5/7/2019	F-20	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
Water Board Tier 1 ESLs for Groundwater[2]			**0.50**	**5,600**	**120**	**1,500**	**5.0**	**0.17**	**NE**	**0.0086**
Water Board Direct Exposure: MCL Priority[3]			**0.50**	**5,600**	**120**	**14,000**	**5.0**	**0.17**	**NE**	**0.50**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**9.8**	**9,500,000**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**11,000**	**NE**	**NE**	**NE**	**8,000**	**15**	**NE**	**NE**

Table 10
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			1,2-Dichloroethane	2-Butanone (Methyl Ethyl Ketone)	4-Methyl-2-Pentanone	Acetone	Methyl Tertiary Butyl Ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
Monitoring Well Groundwater Samples										
MW-1	3/5/2020	MW-1	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-1	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-1	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-1	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-1B	3/5/2020	MW-1B	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
MW-2	3/5/2020	MW-2	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-2	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-2	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-2	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-3	3/5/2020	MW-3	< 0.50	< 5.0	< 0.50	< 10	0.83	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-3	< 0.50	< 5.0	< 0.50	< 40	0.83	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-3	< 0.50	< 5.0	< 0.50	< 40	0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-3	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-4	3/5/2020	MW-4	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-4	< 25	< 250	< 25	< 2,000	< 25	< 50	< 25	< 25
	1/13/2021	MW-4	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-4	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-5	3/5/2020	MW-5	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-5	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-5	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-5	< 0.50	10	1.3 B	< 40	< 0.50	< 1.0	1.8	< 0.50
MW-5B	3/5/2020	MW-5B	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
Water Board Tier 1 ESLs for Groundwater[2]			**0.50**	**5,600**	**120**	**1,500**	**5.0**	**0.17**	**NE**	**0.0086**
Water Board Direct Exposure: MCL Priority[3]			**0.50**	**5,600**	**120**	**14,000**	**5.0**	**0.17**	**NE**	**0.50**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**9.8**	**9,500,000**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**11,000**	**NE**	**NE**	**NE**	**8,000**	**15**	**NE**	**NE**

Table 10
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			1,2-Dichloroethane	2-Butanone (Methyl Ethyl Ketone)	4-Methyl-2-Pentanone	Acetone	Methyl Tertiary Butyl Ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
MW-6	3/5/2020	MW-6	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-6	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-6	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-6	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-7	3/5/2020	MW-7	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-7	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-7	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-7	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-8	3/5/2020	MW-8	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-8	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-8	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-8	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
Water Board Tier 1 ESLs for Groundwater[2]			**0.50**	**5,600**	**120**	**1,500**	**5.0**	**0.17**	**NE**	**0.0086**
Water Board Direct Exposure: MCL Priority[3]			**0.50**	**5,600**	**120**	**14,000**	**5.0**	**0.17**	**NE**	**0.50**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**9.8**	**9,500,000**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**11,000**	**NE**	**NE**	**NE**	**8,000**	**15**	**NE**	**NE**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs or Commercial/Industrial Vapor Intrusion Human Health Risk ESLs.

Gray text denotes reconnaissance groundwater sample.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8260B. Only the detected VOCs are shown in table; the laboratory analytical report provides the full list of analytes.

[2]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[3]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), MCL priority, dated 2019 (Rev. 2).

[4]Water Board Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated 2019 (Rev. 2).

[5]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

B = analyte detected in associated method blank

ESL = Environmental Screening Level

MCL = Maximum Contaminant Level

NE = not established

VOCs = volatile organic compounds

Table 11
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																		
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
Reconnaissance Groundwater Samples																					
F-1	4/2/2019	F-1	< 0.011	< 0.011	< 0.011	0.023	< 0.011	< 0.022	0.011	0.0075	< 0.022	< 0.011	< 0.011	< 0.011	0.015	< 0.011	< 0.022	< 0.011	---	< 0.022	< 0.022
F-3	4/3/2019	F-3	< 0.058	< 0.058	0.31	< 0.058	0.20	**0.62**	**0.81**	**0.42**	**0.50**	**0.26**	**0.69**	**0.10**	0.99	0.11	**0.40**	**0.21**	---	0.51	0.96
F-5	4/3/2019	F-5	< 0.014	< 0.014	< 0.014	< 0.014	0.029	< 0.028	< 0.014	< 0.007	< 0.028	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.028	< 0.014	< 0.043	< 0.028	< 0.028
F-7	4/2/2019	F-7	< 0.013	< 0.013	< 0.013	< 0.013	0.027	< 0.025	< 0.013	< 0.0063	< 0.025	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.025	< 0.013	< 0.039	< 0.025	< 0.025
F-12	4/3/2019	F-12	< 0.14	< 0.14	0.91	0.22	**1.5**	**17**	**20**	**13**	**13**	**7.6**	**18**	**3.1**	**20**	0.47	**9.6**	< 0.14	---	4.0	**23**
F-13	4/3/2019	F-13	< 0.011	< 0.011	0.017	< 0.011	0.24	**0.084**	**0.081**	**0.051**	0.063	0.041	**0.076**	**0.026**	0.14	0.012	**0.054**	0.012	---	0.056	0.12
F-14	5/7/2019	F-14	< 0.01	< 0.01	< 0.01	< 0.01	0.016	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-15	5/7/2019	F-15	< 0.01	< 0.01	< 0.01	< 0.01	0.035	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	0.014	< 0.031	< 0.02	< 0.02
F-16	5/7/2019	F-16	< 0.01	< 0.01	< 0.01	< 0.01	0.022	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-17	5/7/2019	F-17	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.8	< 0.88	< 0.44	< 1.8	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.8	< 0.88	< 2.7	< 1.8	< 1.8
F-18	5/7/2019	F-18	< 0.01	< 0.01	< 0.01	< 0.01	0.048	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-20	5/7/2019	F-20	< 0.01	< 0.01	< 0.01	< 0.01	0.16	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-24	5/7/2019	F-24	< 0.015	< 0.015	< 0.015	< 0.015	0.019	< 0.03	< 0.015	< 0.0076	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.03	< 0.015	< 0.047	< 0.03	< 0.03
F-26	3/2/2023	F-26*	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 0.11	< 0.43	< 0.43	< 0.43	< 0.11	< 0.43	< 0.22	< 0.22	< 0.43	< 1.1	---	< 0.11	< 0.11
F-27	3/2/2023	F-27*	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.27	< 0.027	< 0.11	< 0.11	< 0.11	< 0.027	< 0.11	< 0.054	< 0.054	< 0.11	< 0.27	---	< 0.027	< 0.027
F-28	3/2/2023	F-28*	0.0054 J	0.0053 J, B	< 0.0097	< 0.0097	0.0070 J	< 0.097	< 0.0097	< 0.039	< 0.039	< 0.039	< 0.0097	< 0.039	< 0.019	< 0.019	< 0.039	< 0.097	---	0.0058 J	< 0.0097
Water Board Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.10**	**0.049**	**0.049**	**0.025**	**8.0**	**3.9**	**0.049**	**0.17**	**1.0**	**4.6**	**2.0**
Water Board Direct Exposure: MCL Priority[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.20**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**1.0**	**NE**	**120**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**20**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**NE**	**30**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**8.0**	**15**	**15**	**15**	**7.9**	**4.6**	**15**

Table 11
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
Monitoring Well Groundwater Samples																					
MW-3	4/6/2021	MW-3	< 0.0048	< 0.0095	< 0.0048	< 0.0048	0.024	< 0.048	< 0.0048	< 0.019	< 0.019	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.019	< 0.048	---	< 0.019	< 0.0095
	3/2/2023	MW-3	< 0.0047	< 0.0047	< 0.0047	0.0023 J	0.044	< 0.047	< 0.0047	< 0.019	< 0.019	< 0.019	< 0.0047	< 0.019	< 0.0094	< 0.0094	< 0.019	< 0.047	---	< 0.0047	< 0.0047
MW-4	4/6/2021	MW-4	0.0074	0.014	< 0.0048	< 0.0048	0.0098	< 0.048	0.0049	< 0.019	< 0.019	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.019	< 0.048	---	< 0.019	< 0.0095
	3/2/2023	MW-4	< 0.0047	< 0.0047	< 0.0047	< 0.0047	0.016	< 0.047	< 0.0047	< 0.019	< 0.019	< 0.019	< 0.0047	< 0.019	< 0.0094	< 0.0094	< 0.019	0.029 J	---	0.0030 J	0.0021 J
MW-5	3/5/2020	MW-5	< 0.010	< 0.010	< 0.010	< 0.010	0.33 J	**0.073**	< 0.010	< 0.025	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.020	< 0.010	---	< 0.020	< 0.020
	5/27/2020	MW-5	< 0.026	< 0.052	< 0.026	< 0.026	0.31	< 0.26	< 0.052	< 0.10	< 0.10	< 0.052	< 0.052	< 0.052	< 0.052	< 0.052	< 0.10	< 0.26	---	< 0.10	< 0.052
	1/13/2021	MW-5	< 0.10	< 0.20	< 0.10	< 0.10	0.44	< 1.0	**0.28**	< 0.40	< 0.40	< 0.20	**0.34**	< 0.20	0.24	< 0.20	< 0.40	< 1.0	---	< 0.40	0.30
	4/6/2021	MW-5	< 0.095	< 0.19	< 0.095	< 0.095	< 0.19	< 0.95	**0.10**	< 0.38	< 0.38	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.38	< 0.95	---	< 0.38	< 0.19
	3/2/2023	MW-5	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.95	**0.13**	**0.14** J	< 0.38	< 0.38	**0.056** J	< 0.38	0.063 J	< 0.19	**0.14** J	< 0.95	---	< 0.095	0.062 J
MW-5B	3/5/2020	MW-5B	< 0.011	< 0.011	< 0.011	< 0.011	0.44 J	**0.096**	< 0.011	< 0.026	< 0.021	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.021	< 0.011	---	< 0.021	< 0.021
MW-6	4/6/2021	MW-6	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.019	< 0.095	< 0.0095	< 0.038	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.038	< 0.095	---	< 0.038	< 0.019
	3/2/2023	MW-6	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.94	< 0.094	< 0.38	< 0.38	< 0.38	< 0.094	< 0.38	< 0.19	< 0.19	< 0.38	< 0.94	---	< 0.094	< 0.094
MW-7	3/5/2020	MW-7	< 0.010	< 0.010	< 0.010	< 0.010	0.018 J	< 0.020	< 0.010	< 0.025	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.020	< 0.010	---	< 0.020	< 0.020
	5/27/2020	MW-7	< 0.010	< 0.021	< 0.010	< 0.010	< 0.021	< 0.10	< 0.021	< 0.041	< 0.041	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.041	< 0.10	---	< 0.041	< 0.021
	1/13/2021	MW-7	< 0.0095	< 0.019	< 0.0095	< 0.0095	0.019	< 0.095	< 0.0095	< 0.038	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.038	< 0.095	---	< 0.038	< 0.019
	4/6/2021	MW-7	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.019	< 0.095	< 0.0095	< 0.038	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.038	< 0.095	---	< 0.038	< 0.019
	3/2/2023	MW-7	< 0.047	< 0.047	< 0.047	< 0.047	0.029 J	< 0.47	< 0.047	< 0.19	< 0.19	< 0.19	< 0.047	< 0.19	< 0.094	< 0.094	< 0.19	< 0.47	---	< 0.047	< 0.047
Water Board Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.10**	**0.049**	**0.049**	**0.025**	**8.0**	**3.9**	**0.049**	**0.17**	**1.0**	**4.6**	**2.0**
Water Board Direct Exposure: MCL Priority[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.20**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**1.0**	**NE**	**120**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**20**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**NE**	**30**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**8.0**	**15**	**15**	**15**	**7.9**	**4.6**	**15**

Table 11
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
MW-8	3/5/2020	MW-8	0.010	0.010	0.072	< 0.010	0.11 J	**0.056**	**0.027**	0.044 B	0.027 J	0.022	**0.050**	< 0.010	0.14	0.021	< 0.020	0.11	---	0.091	0.21
	5/27/2020	MW-8	0.015	< 0.021	0.016	< 0.010	0.10	< 0.10	< 0.021	< 0.041	< 0.041	< 0.021	< 0.021	< 0.021	0.040	< 0.021	< 0.041	< 0.10	---	< 0.041	0.046
	1/13/2021	MW-8	< 0.048	< 0.095	< 0.048	< 0.048	0.16	< 0.48	**0.12**	**0.36**	**0.23**	**0.17**	**0.42**	< 0.095	0.53	< 0.095	< 0.19	< 0.48	---	< 0.19	0.60
	4/6/2021	MW-8	< 0.024	< 0.048	< 0.024	< 0.024	0.087	< 0.24	**0.19**	**0.28**	**0.14**	**0.11**	**0.24**	**0.049**	0.30	0.061	**0.13**	< 0.24	---	0.13	0.35
	3/2/2023	MW-8	< 0.024	< 0.024	< 0.024	< 0.024	0.15	< 0.24	**0.026**	0.029 J	< 0.095	< 0.095	0.011 J	< 0.095	0.020 J	< 0.047	< 0.095	< 0.24	---	< 0.024	0.017 J
Water Board Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.10**	**0.049**	**0.049**	**0.025**	**8.0**	**3.9**	**0.049**	**0.17**	**1.0**	**4.6**	**2.0**
Water Board Direct Exposure: MCL Priority[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.20**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**1.0**	**NE**	**120**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**20**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**NE**	**30**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**8.0**	**15**	**15**	**15**	**7.9**	**4.6**	**15**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs.

Results in **bold** and highlighted **orange** denote concentrations exceeding Aquatic Habitat Saltwater Ecotox Goals and potentially Priority MCLs.

Gray text denotes reconnaissance groundwater sample.

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed.

* denotes aqueous sample containing greater than approximately 1 percent sediment by volume.

B = analyte detected in the associated method blank

ESL = Environmental Screening Levels

MCL = Maximum Contaminant Level

J = result is an estimate

NE = not established

PAHs = polycyclic aromatic hydrocarbons

[1]Analyzed by U.S. Environmental Protection Agency Method 8270C/SIM.

[2]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[3]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), MCL priority, dated 2019 (Rev. 2).

[4]Water Board Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated 2019 (Rev. 2).

[5]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

Table 12
Groundwater Analytical Results for Metals
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Reconnaissance Groundwater Samples																			
F-1	4/2/2019	F-1	1.8	7.0	27	< 0.5	**0.91**	1.6	**6.7**	**210**	< 0.5	< 0.05	19	**11**	**0.66**	< 0.19	< 0.5	**22**	46
F-10	4/3/2019	F-10	1.2	4.3	18	< 0.5	< 0.25	< 0.5	1.4	**37**	< 0.5	**0.10** B	49	7.1	**0.73**	< 0.19	< 0.5	**27**	< 15
Water Board Tier 1 ESLs for Groundwater[2]			**6.0**	**10**	**1,000**	**2.7**	**0.25**	**50**	**3.0**	**3.1**	**2.5**	**0.025**	**100**	**8.2**	**0.50**	**0.19**	**2.0**	**19**	**81**
Water Board Direct Exposure: MCL Priority[3]			**6.0**	**10**	**1,000**	**4.0**	**5.0**	**50**	**6.0**	**1,000**	**15**	**2.0**	**100**	**100**	**50**	**100**	**2.0**	**NE**	**5,000**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**0.38**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**500**	**36**	**NE**	**NE**	**9.3**	**1,000[6]**	**NE**	**3.1**	**8.1**	**0.025**	**NE**	**8.2**	**0.50**	**0.19**	**210**	**NE**	**81**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs.

Results in **bold** and highlighted **orange** denote concentrations exceeding Aquatic Habitat Saltwater Ecotox Goals.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

Gray text denotes reconnaissance groundwater sample.

B = analyte was detected in the associated method blank

ESL = Environmental Screening Levels

MCL = Maximum Contaminant Level

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8.

[2]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[3]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), MCL priority, dated 2019 (Rev. 2).

[4]Water Board Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated 2019 (Rev. 2).

[5]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

[6]Value based on ESL for chromium III.

Table 13
Groundwater Analytical Results for Total Dissolved Solids
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (milligrams per liter)[1]
			Total Dissolved Solids
F-26	3/2/2023	F-26*	1,520
F-27	3/2/2023	F-27*	11,300
F-28	3/2/2023	F-28*	6,130
MW-1	4/6/2021	MW-1	834
MW-2	4/6/2021	MW-2	864
MW-3	4/6/2021	MW-3	1,520
	3/2/2023	MW-3	782
MW-4	4/6/2021	MW-4	1,850
	3/2/2023	MW-4	1,630
MW-5	4/6/2021	MW-5	1,720
	3/2/2023	MW-5	160
MW-6	4/6/2021	MW-6	3,160
	3/2/2023	MW-6	944
MW-7	4/6/2021	MW-7	2,600
	3/2/2023	MW-7	842
MW-8	4/6/2021	MW-8	2,870
	3/2/2023	MW-8	1,960

NOTE:

[1]Analyzed by Standard Method SM 2540C.

* denotes aqueous sample containing greater than approximately 1 percent sediment by volume.

Gray text denotes reconnaissance groundwater sample.

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
Geology and Hydrogeology	Regional	The Site is in Newark, California along the southeastern coast of the San Francisco Bay, the main water body in Newark. The Site is characterized by Quaternary alluvium and marine deposits, which are composed of sequences of interbedded silts, sands, and clays to depths greater than 200 feet below ground surface (bgs). Alluvial deposits range in age from Pliocene to Holocene. The Site is in the Niles Cone Groundwater Basin, and groundwater flow beneath the region is predominantly to the west-southwest. As described in the Urban Water Management Plan,[1] the shallowest aquifer of the Niles Cone Groundwater Basin is the Newark Aquifer, which consists of gravel and sand between depths of approximately 40 and 140 feet bgs. The Newark Aquifer is overlain in most of the basin by the Newark Aquiclude, consisting of silt and clay. Layers of sand and silt within the Newark Aquiclude can act as non-regional shallow water-bearing zones. Beneath the Newark Aquifer is a clay aquitard that separates the Newark Aquifer from the Centerville Aquifer, Fremont Aquifer, and the Deep Aquifer. The Newark Aquifer is generally confined except in the area immediately west of the Hayward fault, where the overlying aquitard is absent in the forebay area. Groundwater in the Niles Cone Groundwater Basin has beneficial use per the Basin Plan.[2] The Newark Aquifer is a source of drinking water among other beneficial uses. However, groundwater quality within the Newark Aquifer near the San Francisco Bay has been degraded by saltwater intrusion. Aquifer reclamation wells up-gradient of the Site prevent further saltwater intrusion to protect drinking water as a beneficial use. As a result of the Site's location relative to the San Francisco Bay and up-gradient aquifer reclamation wells, groundwater within the Newark Aquifer beneath the Site is expected to be brackish and is not expected to be used for drinking water. Shallow water-bearing zones within the Newark Aquiclude are also expected to be brackish and are not expected to have beneficial use. The presence of the Newark Aquiclude prevents significant downward migration of impacted groundwater from shallow water-bearing zones within the Newark Aquiclude to the Newark Aquifer.
Geology and Hydrogeology	Site	According to investigations conducted by Farallon Consulting, L.L.C. (Farallon), the lithology beneath the Site consists of sand and gravel from the surface to depths of approximately 2 to 4 feet bgs, followed by clay and silt to depths of approximately 7.5 to 11 feet bgs, and by silt and sand to depths of approximately 13 to 14 feet bgs, where first-encountered groundwater was observed. This shallow water-bearing zone consists of silty sand and sand, and extends to depths of 19 to 22 feet bgs. Beneath the shallow water-bearing zone, an aquitard of silt and clay corresponding to the Newark Aquiclude was identified, extending to the total depth explored of 25 feet bgs. According to data obtained during five groundwater monitoring events conducted in 2020, 2021, and 2023, the groundwater flow direction at the Site is southwest, with a gradient of 0.001 to 0.004 foot per foot.

[1] Alameda County Water District. 2021. *Urban Water Management Plan,* 2020-2025. October 15.
[2] San Francisco Bay Regional Water Quality Control Board (Water Board). 2019. *Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin.* Updated March 7, 2023. November 5 (Basin Plan).

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
Sensitive Receptors	Surface Water Bodies	The federally designated wetlands nearest the Site are salt ponds that were identified approximately 100 feet southwest of the Site on the southwest-adjacent Cargill Salt property at 7220 Central Avenue. The water body nearest the Site was identified as the San Francisco Bay, approximately 2.5 miles southwest of the Site.
Sensitive Receptors	Nearby Wells	Water-supply wells within a 1-mile radius of the Site were identified in the California State Water Resources Control Board Groundwater Ambient Monitoring and Assessment Program database. Two wells were identified approximately 3,168 and 4,800 feet northeast and up-gradient of the Site. Five wells were identified approximately 1,600 to 4,200 feet southwest and down-gradient of the Site. Based on the distance of these wells from the Site and/or the direction of groundwater flow, it is highly unlikely that historical releases at the Site have impacted these water-supply wells or have the potential to impact water-supply wells in the future.
Constituents of Concern		Historical industrial use of the Site indicated the need for investigations at the Site. Previous investigations included laboratory analysis for: total petroleum hydrocarbons (TPH) as diesel-range organics (DRO), as oil-range organics (ORO), and as gasoline-range organics (GRO); polycyclic aromatic hydrocarbons (PAHs); polychlorinated biphenyls; metals; and volatile organic compounds (VOCs). The constituents of concern (COCs) for the Site are compounds that have been detected at concentrations exceeding Tier 1 Environmental Screening Levels (ESLs), which were identified during investigations as DRO, ORO, VOCs, PAHs, and select metals. Groundwater monitoring well sampling results confirmed that historical reconnaissance groundwater sample analytical results are not representative of groundwater conditions at the Site.
Release Source		Two 1,000-gallon underground storage tanks (USTs) containing bunker fuel and gasoline, and a 20,000-gallon diesel fuel aboveground storage tank (AST) and associated fuel islands and piping were removed from the Site between 1991 and 1993. Visual inspection and soil sampling at the time of removal indicated that a release had not occurred from the two USTs. Although visual inspection of the AST, associated fuel islands, and piping did not indicate that a release had occurred, DRO was detected at a maximum concentration of 2,800 milligrams per kilogram (mg/kg) in soil samples collected. A soil and groundwater investigation was conducted in September 1999 to determine the extent of petroleum hydrocarbon contamination from the AST. Based on the results from the investigation, an excavation was conducted north of the former location of the AST in June 2000, and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Site. Confirmation samples collected following excavation did not contain detectable concentrations of TPH. Historical industrial operations at the Site may have been a potential source of impacts to soil and groundwater. Data obtained during five groundwater monitoring events using low-flow sampling procedures at the Site in 2020, 2021, and 2023 indicated that Site groundwater has not been adversely impacted by DRO or PAHs at concentrations exceeding the maximum contaminant level (MCL), with the exception of the results from groundwater samples collected from monitoring wells MW-5 and MW-8 on January 13 and April 6, 2021, which indicated that groundwater impacts appeared to be low threat and limited in areal extent. The March 2, 2023 groundwater monitoring event found that detections of DRO and PAHs in samples collected from off-Site down-gradient

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
		temporary groundwater monitoring wells F-26, F-27, and F-28 and Site monitoring wells MW-3 through MW-8 were less than MCLs. Groundwater impacts at the Site have been characterized and are low threat. Data suggest the potential for releases from surrounding properties to have contributed to groundwater impacts at the Site.
Constituents of Concern in Soil		COC detections in soil samples collected by Farallon are summarized below: • DRO was not detected at a concentration exceeding Tier 1 ESLs, with the exception of a detection of DRO in the sample collected from boring MW-8, which also exceeded the commercial/industrial ESL. • ORO was not detected at a concentration exceeding Tier 1 ESLs, with the exception of a detection of ORO in the sample collected from boring MW-8, which was less than the commercial/industrial ESL. • VOCs were not detected at a concentration exceeding Tier 1 ESLs, with the exception of naphthalene, which was detected at concentrations less than the commercial/industrial ESL in samples collected from borings F-4, F-20, and MW-8. • PAHs were not detected at a concentration exceeding Tier 1 ESLs, with the exception of two compounds detected at concentrations less than the commercial/industrial ESL in a sample collected from boring F-13. • Arsenic, barium, nickel, and vanadium were the only metals detected at concentrations exceeding Tier 1 ESLs; all concentrations were less than commercial/industrial ESLs. Arsenic is known to occur naturally at concentrations exceeding the commercial/industrial ESL in California soil. The San Francisco Bay Regional Water Quality Control Board has identified 11 mg/kg of arsenic as an acceptable background concentration in soil. The arsenic concentrations detected at the Site were less than this background concentration, with the exception of a detection of 12 mg/kg in a sample collected from boring F-12.

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
Constituents of Concern in Groundwater		COC detections in groundwater samples collected by Farallon are summarized below: • DRO was detected in two samples collected from monitoring well MW-5, with the maximum concentration of 220 micrograms per liter (µg/l) in the sample collected on April 6, 2021 slightly exceeding the MCL of 200 µg/l. DRO was not detected at a concentration exceeding the laboratory reporting limit in the sample collected from monitoring well MW-5 and analyzed for DRO with silica gel cleanup, which is indicative of the presence of natural organic compounds or hydrocarbon oxidation products (HOPs) in groundwater. Subsequent results of groundwater monitoring at monitoring well MW-5 found DRO without or with silica gel cleanup was not detected exceeding the laboratory reporting limit. DRO without and with silica gel cleanup was detected in off-Site reconnaissance groundwater sample F-26 collected on March 2, 2023, at concentrations equal or less than the MCL, respectively. The chromatograph pattern of the DRO detected in sample F-26 matched a degraded bunker fuel pattern, rather than diesel, which is consistent with residual bunker fuel impacts remaining beneath the Cargill admin building south of the Site. The concentration of HOPs calculated for sample F-26 was less than the MCL. DRO without silica gel cleanup was detected in off-Site reconnaissance groundwater sample F-27 at a concentration less than the MCL. The concentration of HOPs calculated for sample F-27 was less than the MCL. • ORO was detected in the sample collected on January 13, 2021 from monitoring well MW-5. ORO was detected in reconnaissance groundwater sample F-26 collected on March 2, 2023. An ESL has not been established for ORO. • VOCs were not detected at a concentration exceeding Tier 1 ESLs or MCLs. • Historically, select PAHs were detected at concentrations exceeding Tier 1 ESLs and benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and dibenzo(a,h)anthracene were detected at maximum concentrations of 0.096, 0.28, 0.36, and 0.049 µg/l, respectively, which slightly exceeded the MCLs of 0.017, 0.2, 0.25 and 0.025 µg/l, respectively. During the most recent groundwater monitoring event on March 2, 2023, PAHs were not detected at concentrations exceeding the MCLs.
Source Removal Activities		USTs formerly present at the Site consisted of two 1,000-gallon USTs containing bunker fuel and gasoline, and a 20,000-gallon diesel fuel AST. The former USTs, AST, and associated fuel islands and piping were removed from the Site between 1991 and 1993, stopping any releases that may have occurred. An excavation was conducted north of the former location of the AST in June 2000, and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Site. Confirmation samples collected following excavation did not contain detectable concentrations of petroleum hydrocarbons.

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Risk Evaluation	Potential Receptors	The Site is used for commercial/industrial purposes, with no changes in Site use planned for the future. Potential receptors are commercial/industrial workers and construction workers. Potential exposure pathways evaluated were incidental ingestion, dermal contact, dust inhalation, and vapor inhalation. An assessment of whether an exposure pathway is potentially complete, incomplete, or insignificant follows. For direct contact with contaminated soil, the exposure pathways for incidental ingestion, dermal contact, and dust inhalation for commercial/industrial workers are considered complete. However, shallow soil throughout the Site has been sampled and analyzed, demonstrating concentrations of COCs less than commercial/industrial ESLs, which reflect the intended use of the Site. The only exceptions were a detection of arsenic that slightly exceeded the acceptable background concentration, and a detection of DRO that exceeded the commercial/industrial ESL. For direct contact with contaminated groundwater, the ingestion and dermal pathways for groundwater are considered incomplete. Shallow groundwater from permanent groundwater monitoring wells across the Site was sampled and analyzed during five sampling events conducted from March 2020 to March 2023. Free-product was not encountered during the five sampling events. Concentrations of COCs detected in groundwater samples were less than the direct exposure human health risk level ESLs, with the exceptions of a concentration of DRO detected in a groundwater sample collected from monitoring well MW-5 on April 6, 2021, and concentrations of select PAHs detected in samples collected from monitoring wells MW-5 and MW-8 on March 5, 2020 and January 13 and April 6, 2021. DRO was not detected at a concentration exceeding the laboratory reporting limit in the groundwater sample collected concurrently from monitoring well MW-5 on April 6, 2021 and analyzed by U.S. Environmental Protection Agency Method 8015 with silica gel cleanup, which is indicative of the presence of natural organic compounds or HOPs in groundwater. Subsequent groundwater monitoring performed on March 2, 2023 found concentrations of DRO without and with silica gel cleanup were not detected exceeding laboratory reporting limits in samples collected from monitoring wells MW-3 through MW-8 at the Site. Calculated HOPs concentrations were not detected in samples collected from monitoring wells MW-3 through MW-8 at the Site. The detected concentrations of DRO and PAHs historically detected in samples collected from monitoring wells MW-5 and MW-8 appear to be decreasing. Down-gradient and off-Site reconnaissance groundwater samples collected from temporary monitoring wells F-26, F-27, and F-28 have delineated the down-gradient extent of the contaminant plume. The Site is in the Niles Cone Groundwater Basin, proximate to the San Francisco Bay and the large system of salt ponds present along the San Francisco Bay's margin. Groundwater in the Niles Cone Groundwater Basin is known to experience saltwater intrusion, especially closer to the San Francisco Bay. Groundwater in the Niles Cone Groundwater Basin, including the Newark Aquifer, is considered to have beneficial use per the Basin Plan, regardless of total dissolved solids (TDS) concentrations. Concentrations of TDS detected in shallow groundwater at the Site have historically been as high as 3,160 milligrams per liter (mg/l) and generally exceed the Secondary MCL range for TDS of 500 mg/l (recommended) to 1,000 mg/l (upper). According to the Basin Plan, groundwater that contains TDS at a concentration exceeding 3,000 mg/l is not reasonably expected to supply a public water system. It is not anticipated that shallow groundwater beneath the Site would be used as a source of drinking water as part of a public water system. Shallow groundwater at the Site is contained in silt and sand zones within the Newark Aquiclude, which prevents significant migration of shallow groundwater into the Newark Aquifer below. Groundwater in the Newark aquifer is identified for beneficial uses including drinking water, but because of the presence of the Newark Aquiclude,

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
		impacts to shallow groundwater are unlikely to migrate to the Newark Aquifer. The down-gradient salt ponds and San Francisco Bay were identified approximately 100 feet southwest and 2.5 miles southwest of the Site, respectively, and it is unlikely that they have been impacted by historical releases at the Site because COCs were not detected at concentrations exceeding aquatic habitat ESLs in the down-gradient groundwater samples F-26, F-27, and F-28. The down-gradient water-supply well nearest the Site was identified approximately 1,600 feet southwest of the Site. Based on the distance to this well from the Site and the low concentrations of COCs detected in groundwater at the Site, it is highly unlikely that historical releases at the Site have impacted water-supply wells or have the potential to impact water-supply wells in the future. For volatilization from soil or groundwater to indoor and outdoor air, the vapor inhalation pathway is considered incomplete. The concentrations of volatile COCs detected in shallow soil and groundwater at the Site were less than the commercial/industrial vapor intrusion human health risk level ESLs. In addition, cumulative vapor intrusion exposure risk and hazard were calculated by entering maximum concentrations of volatile COCs detected in samples collected from groundwater monitoring wells into the Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator.[3] Only COCs that contribute to vapor intrusion exposure risk and hazard were included in the risk assessment calculations. For example, DRO was detected in groundwater, but because it does not have a commercial/industrial vapor intrusion human health risk level ESL, it does not contribute to the calculation for cumulative vapor intrusion exposure risk and hazard, and was not included in the calculation of vapor intrusion exposure risk and hazard. A review of historical data collected at the Site found detections of four COCs that contribute to the calculation for cumulative vapor intrusion exposure risk and hazard: methyl ethyl ketone, methyl tertiary-butyl ether, benzo(a)anthracene, and naphthalene. The maximum detected concentration in groundwater monitoring well samples for each of the four COCs was entered into the calculation presented in Appendix F. Cumulative cancer risk and cumulative noncancer hazard due to vapor intrusion were 6.3E-09 and 1.5E-04, respectively, which are less than the cancer risk and noncancer hazard thresholds of 1.0E-6 and 1.0, respectively. Although no soil gas samples have been collected at the Site, the plethora of soil and groundwater samples with concentrations of volatile COCs less than commercial/industrial vapor intrusion human health risk level ESLs, and the cumulative cancer risk and noncancer hazard less than thresholds illustrate that subsurface conditions do not expose commercial workers to unacceptable health risks under continued commercial use.

[3] Water Board. 2019. *Environmental Screening Levels, Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator.* Rev. 2.

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
1. Develop a complete conceptual site model (CSM).		**Yes**
1a) Pollutant sources are identified and evaluated.	Former underground storage tanks (USTs) at the Site consisted of two 1,000-gallon USTs containing bunker fuel and gasoline and a 20,000-gallon diesel fuel aboveground storage tank (AST). The USTs, AST, and associated fuel islands and piping were removed from the Site between 1991 and 1993, stopping any releases that may have occurred. Visual inspection and soil sampling at the time of removal indicated that a release had not occurred from the two USTs. Soil and groundwater sampling at the time of the removal of the AST and associated fuel islands and piping indicated that a release had occurred.	
1b) The Site is adequately characterized.	The constituents of concern (COCs) at the Site in soil are total petroleum hydrocarbons (TPH) as diesel-range organics (DRO), TPH as oil-range organics (ORO), naphthalene, polycyclic aromatic hydrocarbons (PAHs), and metals. Only a single detection of arsenic that slightly exceeded the acceptable background concentration, and a detection of DRO that exceeded the San Francisco Bay Regional Water Quality Control Board (Water Board) commercial/industrial Environmental Screening Level (ESL) were reported in soil samples. The COCs at the Site in groundwater are: DRO, ORO, and PAHs. During the most recent groundwater monitoring event performed on March 2, 2023, detections of COCs in groundwater were less than the maximum contaminant levels (MCLs).	
1c) Exposure pathways, receptors, and potential, risks, threats, and other environmental concerns are identified and assessed.	Potential exposure pathways evaluated were incidental ingestion, dermal contact, dust inhalation, and vapor inhalation. Potential receptors are commercial/industrial workers and construction workers. Potential impacts to surface waters, groundwater with beneficial uses, and nearby water supply wells were evaluated.	

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
2. Control sources and mitigate risks and threats.		**Yes**
2a) Pollutant sources are remediated to the extent feasible.	In June 2000, approximately 311 tons of soil and 2,300 gallons of groundwater were removed from an excavation conducted to remove secondary source material on the northern side of the former location of the 20,000-gallon diesel AST at the Site. Confirmation samples collected following excavation did not contain detectable concentrations of TPH. Concentrations of DRO and ORO detected in the soil sample collected from boring MW-8 exceeded the Water Board Tier 1 ESLs. Groundwater samples collected from monitoring well MW-8 have not shown detectable concentrations of DRO or ORO, indicating that the soil impacts are not acting as a secondary source of impacts to groundwater in the vicinity of monitoring well MW-8.	

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
2b) Unacceptable risks to human health, ecological health, and sensitive receptors, considering current and future land and water uses, are mitigated.	A risk evaluation for potential receptors was conducted, and it was demonstrated that human health and the environment is protected: • For direct contact with contaminated soil, the exposure pathways for incidental ingestion, dermal contact, and dust inhalation for commercial/industrial workers are considered complete; however, concentrations of COCs were less than commercial/industrial ESLs, with the exceptions of a single detection of arsenic that slightly exceeded the acceptable background concentration, and a single detection of DRO that exceeded the commercial/industrial ESL, which are considered low threat. • Groundwater monitoring results from the most recent event on March 2, 2023 showed that COCs in groundwater samples collected from the Site are less than the MCLs, with concentrations decreasing from historical levels. The down-gradient extent of the contaminant plume has been delineated by the off-Site down-gradient reconnaissance groundwater samples F-26, F-27, and F-28. Groundwater in the Newark Aquifer is identified for beneficial uses including drinking water, but because of the presence of the Newark Aquiclude, impacts to shallow groundwater are unlikely to migrate to the Newark Aquifer. Down-gradient surface waters are highly unlikely to have been impacted because concentrations of COCs were not detected at concentrations exceeding aquatic habitat ESLs in the down-gradient groundwater samples F-26, F-27, and F-28. Due to the distance from the Site, groundwater supply wells are unlikely to have been impacted. • For volatilization from soil or groundwater to indoor and outdoor air, the vapor inhalation pathway is considered incomplete; the concentrations of volatile COCs detected in shallow soil and groundwater at the Site were less than the commercial/industrial vapor intrusion human health risk level ESLs; and cumulative cancer risk and cumulative noncancer hazard due to vapor intrusion were 6.3E-09 and 1.5E-04, respectively, which are less than the cancer risk and noncancer hazard thresholds of 1.0E-6 and 1.0, respectively.	
2c) Unacceptable threats to groundwater and surface water resources, considering existing and potential beneficial uses, are mitigated.	Unacceptable threats to groundwater and surface water resources due to the release at the Site have been evaluated and found to be highly unlikely because detections of COCs in groundwater are less than the MCLs and aquatic habitat ESLs as of the most recent groundwater monitoring event performed on March 2, 2023.	

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
3. Demonstrate that residual pollution in all media will not adversely affect present and anticipated land and water uses		**Yes**
3a) Groundwater plumes are decreasing.	Detections of COCs in groundwater have decreased from slightly greater than the MCLs to less than the MCLs in the most recent groundwater monitoring event performed on March 2, 2023.	
3b) Cleanup standards can be met in a reasonable timeframe.	Detections of COCs in groundwater are less than the MCLs as of the most recent groundwater monitoring event performed on March 2, 2023.	
3c) Risk management measures are appropriate, documented, and do not require future Water Board oversight.	Risk management measures are not required for the Site.	

Site #20/JPM

ALAMEDA COUNTY WATER DISTRICT

DIRECTORS
JOHN H. WEED
President
JIM GUNTHER
Vice President
JOSEPH G. DAMAS, JR.
ARTHUR LAMPERT
TIM ROLLISSON

43885 SOUTH GRIMMER BOULEVARD • P.O. BOX 5110, FREMONT, CALIFORNIA 94537-5110
(510) 659-1970 • FAX (510) 770-1793 • www.acwd.org

MANAGEMENT
PAUL PIRAINO
General Manager
CRAIG N. HILL
Engineering Manager
KARL B. STINSON
Operations Manager
WILLIAM J. ZENONI
Finance and Administration Manager

September 14, 2000

Dr. Lawrence P. Kolb
Acting Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Attention: Ade Fagorala

Subject: Recommendation for Spills, Leaks, Investigation and Cleanup Case Closure of Bay Mirror, 6756 Central Avenue, Newark (Site #20)

After reviewing the Alameda County Water District (ACWD) file on the fuel release which occurred at the Bay Mirror site located at 6756 Central Avenue, Newark, it does not appear that further monitoring, investigation or remedial actions are necessary to protect the beneficial uses of our groundwater basin. Therefore, as specified in our June 27, 1996 Cooperative Agreement, ACWD recommends that no further action be required and that the Regional Water Quality Control Board close this case with a case closure letter.

Enclosed is our Spills, Leaks, Investigation and Cleanup case closure summary for this site. If you have any questions regarding this matter, please contact Steven Inn at (510) 659-1970, Extension 441.

Sincerely,

Paul Piraino
General Manager

hy:bk
cc (w/ enclosure): Miguel Trujillo, City of Newark
Michael H. & Devera E. Witkin, Bay Mirror
Eugene & Sandra R. Jaffe, Bay Mirror
Gary Mulkey, Compliance and Closure, Inc.

Case Closure Summary

Spills, Leaks, Investigation and Cleanup Program

I. Agency Information Date: ***September 14, 2000***

Agency Name: ***Alameda County Water District***	Address: ***P.O. Box 5110, 43885 South Grimmer Blvd.***
City, State, ZIP: ***Fremont, CA 94537***	Phone: ***(510) 659-1970***
Staff Person: ***John McHugh***	Title: ***Hydrogeologist***

II. Case Information

Site Facility Name: ***Bay Mirror***		
Site Facility Address: ***6756 Central Avenue, Newark, CA 94560 (See Vicinity Map, Figure 1)***		
Local Case Number: ***20***	Cleanup Fund Number: ***NA***	
Unauthorized Release Form Filing Date: ***7/12/1991***		
Responsible Party	Address	Phone Number
Michael H. & Devera E. Witkin	***2 Southern Heights Avenue, San Francisco, CA 94107***	***(415) 648-1137***
Eugene O. & Sandra R. Jaffe	***4931 Winchester Circle, Newark, CA 94560***	***(510) 797-3684 (H)*** ***(510) 796-5432 (W)***

Tank No.	Size (Gallons)	Contents	Type (SW=Single Wall)	Date Removed
1	***20,000***	***Diesel***	***Steel, AST, SW***	***06/14/91***
2	***1,000***	***Bunker Fuel***	***Steel, UST, SW***	***06/26/91***
3	***1,000***	***Unleaded Gasoline***	***Steel, UST, SW***	***06/15/93***

III. Release and Site Characterization Information

Cause and Type of Release:	***Underground pipeline near 20,000 gallon AST***		
Site Characterization Complete?	***Yes***	Investigative Methods Appropriate? **Yes**	
Monitoring Wells Installed?	***No***	Total No.: ***0***	Proper Screened Interval? ***NA***
Groundwater Depth (feet bgs*):	***~12***	Lowest Depth: ***13***	Flow Direction: ***Presumably Westerly***
Are Drinking Water Wells Affected?	***No***	Affected Aquifer Name:	***Shallow Zone***
Is Surface Water Affected?	***No***	Nearest Affected SW Name:	***NA***
Report(s) on file?	***Yes***	Where is report filed?	***Alameda County Water District***
Note: *bgs = below ground surface			

Case Closure Summary (Page 2)
Spill, Leaks, Investigation and Cleanup Program

III. Release and Site Characterization Information (Continued)

Treatment and Disposal of Affected Material			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Free Product	***None***	***NA***	***NA***
Soil	***311 tons***	***Soil removed from the excavations northeast of the AST were transported to Altamont Landfill for disposal.***	***6/8/2000-6/9/2000***
Groundwater	***2,300 gallons***	***Groundwater that infiltrated into the southwest side of the excavation pit was pumped out by Industrial Waste Utilization, Inc. (IWU) and transported to Seaport Petroleum Corporation, located in Redwood City.***	***6/9/2000***

Maximum Documented Contaminant Concentrations----Before and After Cleanup				
Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH-d	***6,100***	***<1***	***<50***	***<50***
Benzene	***0.075***	***<0.005***	***0.9***	***<0.5***
Toluene	***0.49***	***<0.005***	***6***	***<0.5***
Ethylbenzene	***0.039***	***<0.005***	***1***	***<0.5***
Xylenes	***0.39***	***<0.005***	***6***	***2***
VOCs	***<0.005***	***<0.005***	–	–
TOG	***3,600***	★	–	–

★= Confirmation soil samples were not analyzed for Total Oil & Grease, however Total Petroleum Hydrocarbons as Diesel were reduced to non-detectable concentrations in the final samples.

Comments (Depth of Remediation, etc.): ***The Bay Mirror, Inc. facility is located at 6756 Central Avenue Newark, California. Portions of the Bay Mirror, Inc. property are leased out to several other businesses, including truck and equipment storage and maintenance, metals shop, wood pallet maker, and cultured marble manufacturer. A total of two Underground Storage Tanks (USTs) and one Aboveground Storage Tank (AST) were once in place at the Bay Mirror property before they were removed in 1991 and 1993.***

On June 14, 1991, The Environmental Construction Company (TECC) removed one 20,000 gallon single-walled, steel diesel AST in the vicinity of the wooden pallet manufacturing factory. The tank was removed under the supervision of the City of Newark Fire Department. The AST did not show any signs of pitting nor rusting; six soil samples were collected around the AST and its pipeline for Total Petroleum Hydrocarbon as diesel (TPH-d) and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) analyses. Four samples were collected beneath the AST and two samples from below the pipeline. Soil samples S-1, S-2, S-4, and PL-2 documented TPH-d concentrations at 630 ppm, 190 ppm,

III. Release and Site Characterization Information (Continued)

2,400 ppm, and 2,800 ppm, respectively. Soil sample S-3 and PL-1 did not contain any detectable TPH-d. Sample S-4 contained 5.4 ppb of Toluene, 88 ppb of ethylbenzene, and 590 ppb of xylenes; sample PL-2 contained 19 ppb of ethylbenzene and 150 ppb of xylenes. Samples S-4 and PL-2 were also analyzed for oil and grease and the results were 3,600 ppm and 3,100 ppm, respectively.

On June 27, 1991, one 1,000 gallon single-walled, steel bunker fuel UST was removed without an on-site inspector. Visual inspection by TECC of the tank indicated signs of rust scaling and pitting; however, no evidence of punctures or cracks were noted. The product line appeared to be slightly rusted and corroded, but no holes were noted. Soil samples were collected from the excavated tank pit and soil stockpiles on July 3, 1991. Analytical results for TPH-g (Total Petroleum Hydrocarbon as gas), TPH-d, and BTEX were all below their respective detection limits. Metal analyses for cadmium, chromium, lead, nickel, and zinc were all at concentrations below their respective Total Threshold Limit Concentration (TTLC) and Soluble Threshold Limit Concentration (STLC) values. Total oil and grease concentrations were found to be at 13 ppm for T-1, 140 ppm for GS-1, and 52 ppm for GS-2.

On June 5, 1993, a 1,000 gallon steel single-wall unleaded fuel UST was removed by GEMS Management. All pipelines were drained before removal. Visual inspection of the external surfaces and the associated piping indicated no evidence of holes, leakage, or electrolysis. The tank was transported to Erickson Inc. in Richmond for cleaning, destruction, and recycling. The piping was recycled at Levins Metals. Two soil samples from each end of the excavation and one from the soil stockpile were collected for TPH-g and BTEX analyses. All sample results were below their respective detection limits.

A reconnaissance soil and groundwater investigation was conducted by Compliance & Closure, Inc. (CCI) in September 1999 to determine the extent of petroleum hydrocarbon contamination from the 20,000 gallon AST and to assess the 1,000 gallon unleaded gasoline UST area. A total of 15 soil samples and 5 water samples were collected. GP-3 had the highest grab groundwater sampling results of benzene at 0.6 ppb, toluene at 0.8 ppb, and total xylenes at 3 ppb and the highest soil sampling results of TPH-d at 320 ppm at a depth of 10 feet. Sample GP-1, which was collected near previously TOG contaminated soil sample S-4 at 3,600 ppm, indicated a non-detectable Total Extractable Petroleum Hydrocarbon (TEPH) concentration.

Based on a request for closure, ACWD proposed two methods that would allow ACWD to recommend case closure. The two options included installing one groundwater well near boring GP-3 and monitoring the well on a quarterly basis for a period of at least one year. The second option involved conducting limited soil excavation in and around boring GP-3 and collecting confirmatory soil and groundwater samples after it had been de-watered. Bay Mirror decided to excavate soil near GP-3, north of the former AST, and collect confirmatory soil and water samples.

Excavation began on June 8, 2000 with visible soil contamination in the southwest side starting at approximately 7 feet bgs down to the water table at 12 feet bgs. The depth of the excavation extended down to a depth of 13 feet bgs where the soil appeared to be clean. Four soil samples were collected on the four sidewalls at an approximate depth of 10 feet bgs and 2 feet above the groundwater table in order to determine residual contamination levels. A groundwater sample, W-1, was also collected from the standing water within the excavation using a disposable bailer. On June 9, 2000, a visible sheen was noted on the groundwater on the south and southwest sides of the excavation pit, and excavation continued beyond the proposed excavation limits after standing water

Case Closure Summary (Page 4)
Spill, Leaks, Investigation and Cleanup Program

III. Release and Site Characterization Information (Continued)

was pumped out. Four confirmatory soil samples(S-5, S-6, S-7 and S-8) were collected from the sidewalls and all sample results were below their respective detection limits. Although sample PL-2 collected during the AST removal on June 15, 1991 had a TOG concentration of 3,100 ppm, soil samples collected at and around PL-2 on June 9, 2000 after the excavation activities did not detect any TEPH concentrations. In addition, a second groundwater sample was collected from the excavation and the results were below the detection limits for TPH-d, benzene, toluene, and ethylbenzene. Xylenes were detected just above the detection limit at 2 ppb, but does not pose a threat to the beneficial uses of groundwater.

IV. Closure

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? ***Yes***			
Site management requirements:	***NA***		
Should corrective action be reviewed if land use changes?	***No***		
Monitoring Wells Destroyed?	***NA***	Number Destroyed: ***0***	Number Remaining: ***0***
List enforcement actions taken:	***None***		
List enforcement actions rescinded:	***None***		

V. Local Agency Representative Data

Prepared by: ***Helen Yang***	Title: ***Groundwater Resources Engineering Intern***
Signature: Helen Yang	
Reviewed by: ***John McHugh***	Title: ***Hydrogeologist***
Signature: John McHugh SEPTEMBER 14, 2000	
Reviewed by: ***Steven D. Inn***	Title: ***Groundwater Resources Manager***
Signature: Steven D. Inn	
Reviewed by: ***Craig N. Hill***	Title: ***Engineering Manager***
Signature: Craig N. Hill	

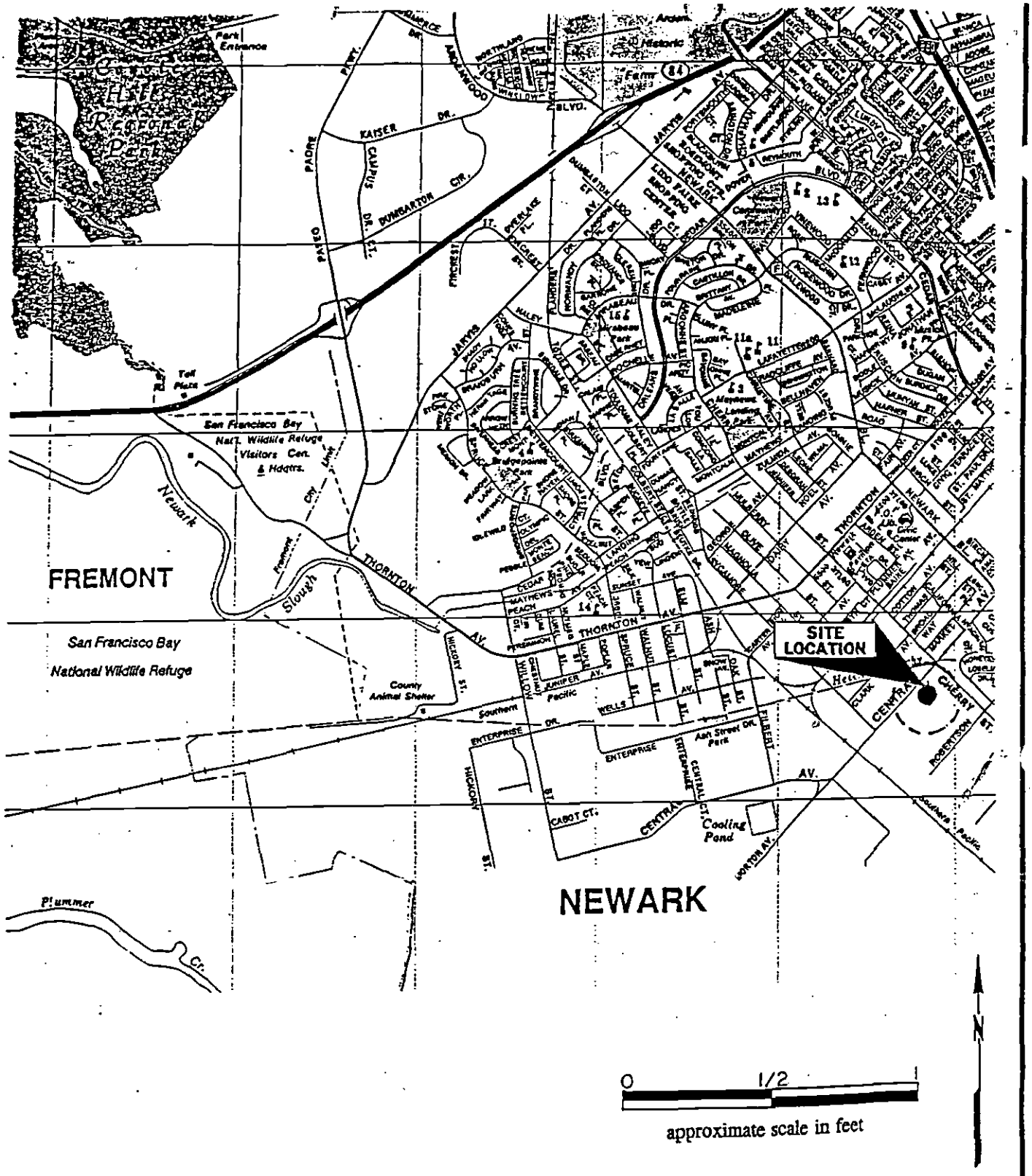
Table 1
Analytical Soil Sampling Results
Bay Mirror, 6792 Central Avenue, Newark

Date	Sample ID	Sample Depth (ft)	TPH-d (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl Benzene (ppm)	Xylenes (ppm)	TOG (ppm)	VOCs (ppm)	MTBE (ppm)
20,000 Gallon Diesel AST Removal (Figures 2 and 3)										
6/15/91	S-1	1.5	**630**	<0.005	<0.005	<0.005	0.026	NA	NA	NA
	S-2	1.5	**190**	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
	S-3	1.5	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
	S-4	1.5	**2,400**	<0.005	**0.0054**	**0.088**	**0.59**	**3,600**	NA	NA
	PL-1	1	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
	PL-2	2	**2,800**	<0.005	<0.005	**0.019**	**0.15**	**3,100**	NA	NA
1,000 Gallon Bunker Fuel UST Removal (Pit Samples) (Figure 2 and 4)										
7/3/91	F-1	1.5	<1	<0.005	<0.005	<0.005	<0.005	<10	<0.005	NA
	T-1	1.5	<1	<0.005	<0.005	<0.005	<0.005	**13**	<0.005	NA
	SS-1	stockpile	<1	<0.005	<0.005	<0.005	<0.005	**140**	<0.005	NA
	SS-2	stockpile	<1	<0.005	<0.005	<0.005	<0.005	**52**	<0.005	NA
1,000 Gallon Unleaded Gasoline UST Removal and Soil Excavation (Figure 5)										
6/15/93	TXI-S1	10	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
	TXI-S2	10	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
	STK-C1	stockpile	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
Reconnaissance Soil and Groundwater Investigation (Figure 6)										
11/4/99	GP-1-5	5	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-1-10	10	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-1-14	14	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-2-4	4	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-2-9	9	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-2-13	13	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-3-4	4	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5
	GP-3-10	10	**320**	<0.005	**0.031**	<0.005	**0.03**	NA	NA	<5
	GP3-13	13	**170**	<0.005	<0.005	<0.005	**0.013**	NA	NA	<5
	GP-4-5	5	<1	<0.005	<0.005	<0.005	<0.005	NA	NA	<5

Table 2
Analytical Groundwater Sampling Results
Bay Mirror, 6792 Central Avenue, Newark

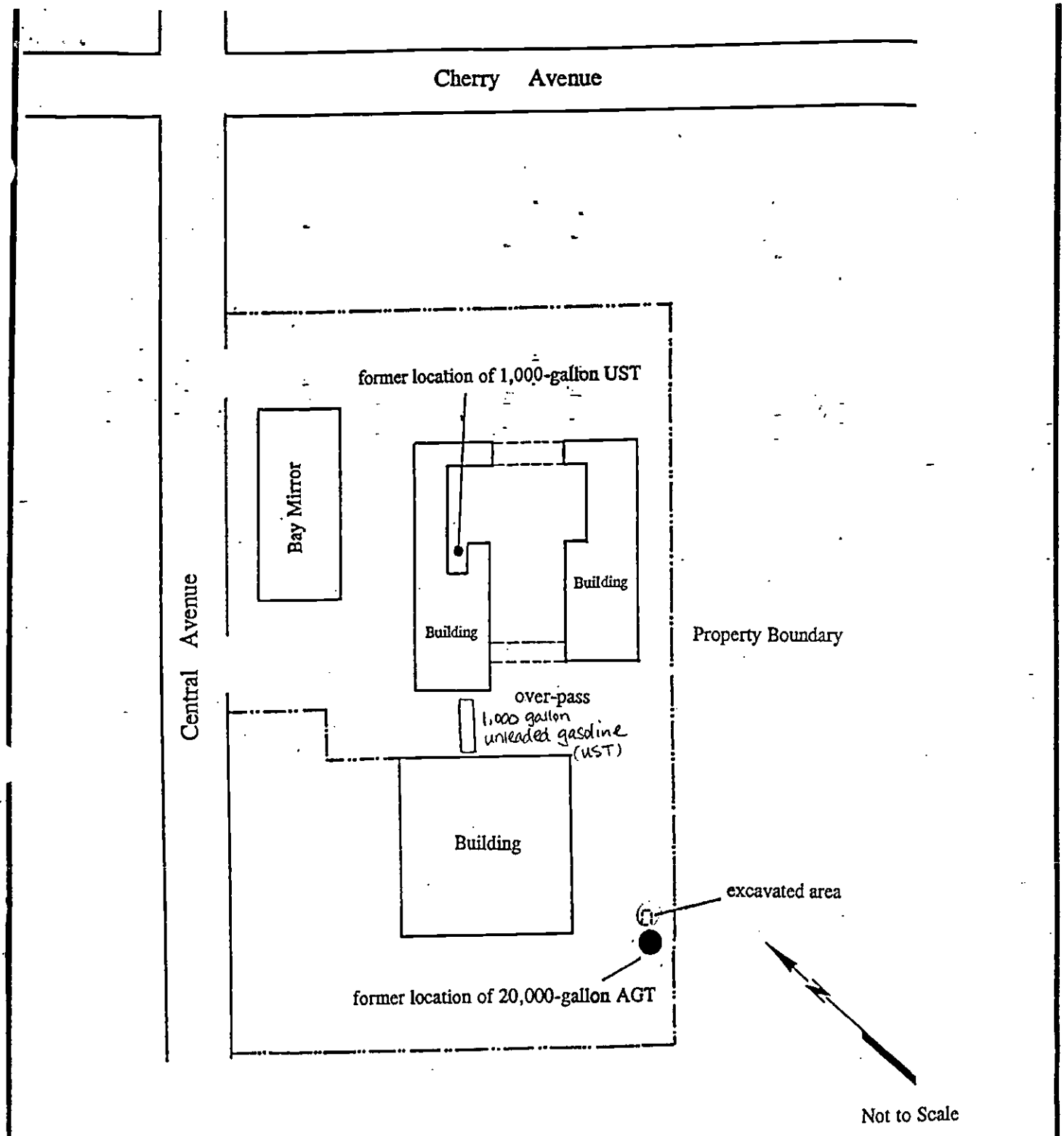
Date	Sample ID	DTW (ft)	TPH-d (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl Benzene (ppb)	Xylenes (ppb)	MTBE (ppb)
Reconnaissance Soil and Groundwater Investigation (Figure 6)								
11/4/99	GP-1W	13-14	<0.05	0.8	2	0.9	4	<1
11/5/99	GP-2W	13-14	<0.05	<0.5	0.5	<0.5	2	<1
11/6/99	GP-3W	13-14	<0.05	0.6	0.8	<0.5	3	<1
11/7/99	GP-4W	13-14	<0.05	<0.5	<0.5	<0.5	<1	<1
11/8/99	GP-5W	13-14	<0.33	<0.5	0.6	<0.5	2	<1
Soil Excavation Groundwater Samples (Figure 7)								
6/8/00	W-1	12	<0.05	0.9	6	1	6	NA
6/9/00	W-2	8.5	<0.05	<0.5	<0.5	<0.5	2	NA

ppb = Parts per billion
DTW = Depth To Water
TPH-d = Total Petroleum Hydrocarbons as diesel
NA = Not Analyzed



reviewed by:	VICINITY MAP	Compliance & Closure, Inc.
approved by:	BAY MIRROR, INC.	
drawn by: GM	6756 CENTRAL AVENUE	
job no. 12033-2	NEWARK, CALIFORNIA	date: 9/1/99 — drawing no. FIG. 1

Figure 1

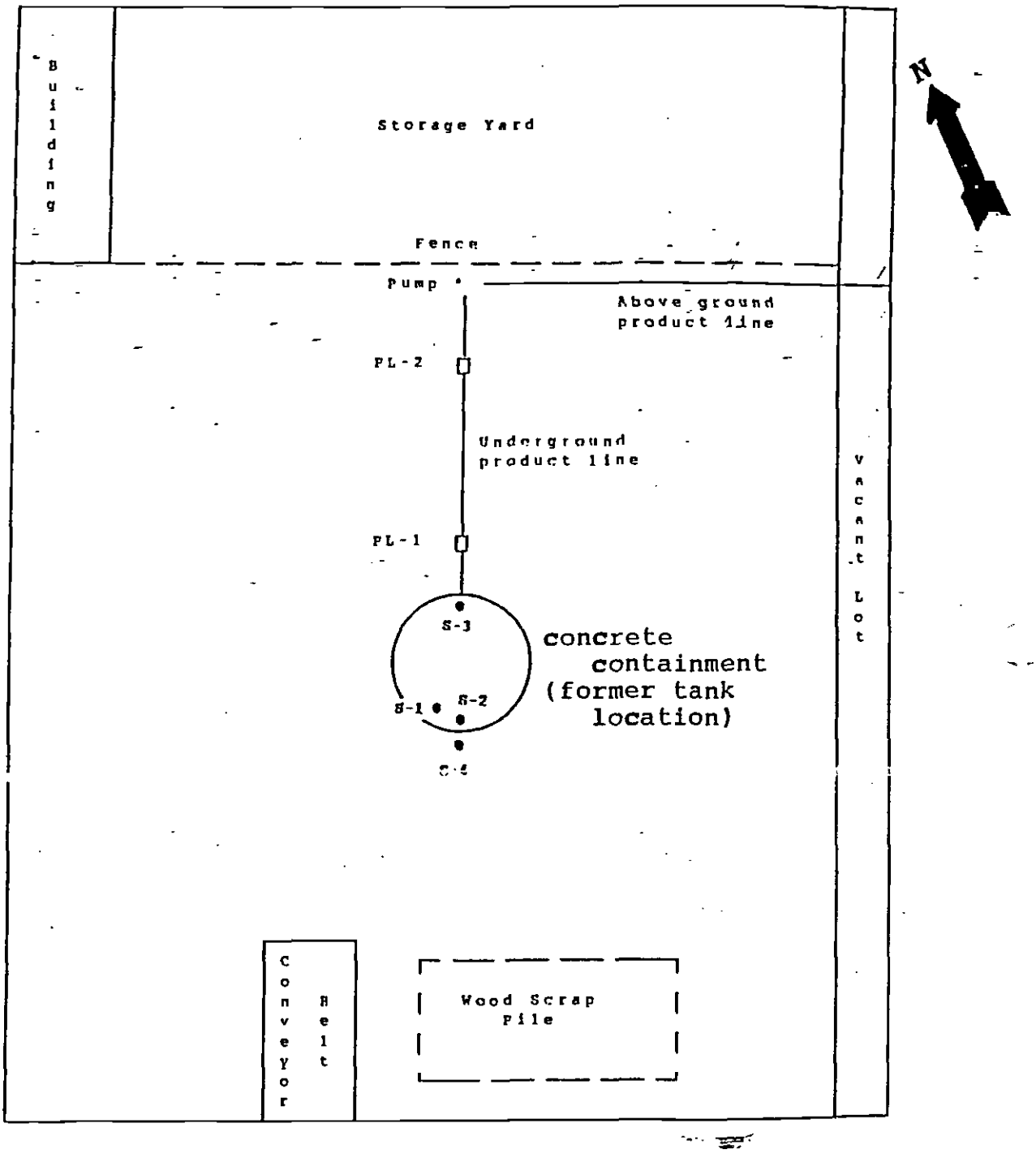


reviewed by: JY	SITE MAP	Compliance & Closure, Inc.
approved by: JY	BAY MIRROR, INC.	
drawn by: GM	6756 CENTRAL AVENUE	date: 6/26/00 drawing no. FIG. 2
job no. 12033-2	NEWARK, CALIFORNIA	

Figure 2

Applied Environmental
Solutions, Incorporated
... WORKING TOWARDS A CLEANER ENVIRONMENT

Milpitas, CA 95035
(408)957-7700
Fax(408)263-2702
Ca Cont. Lic. #578789

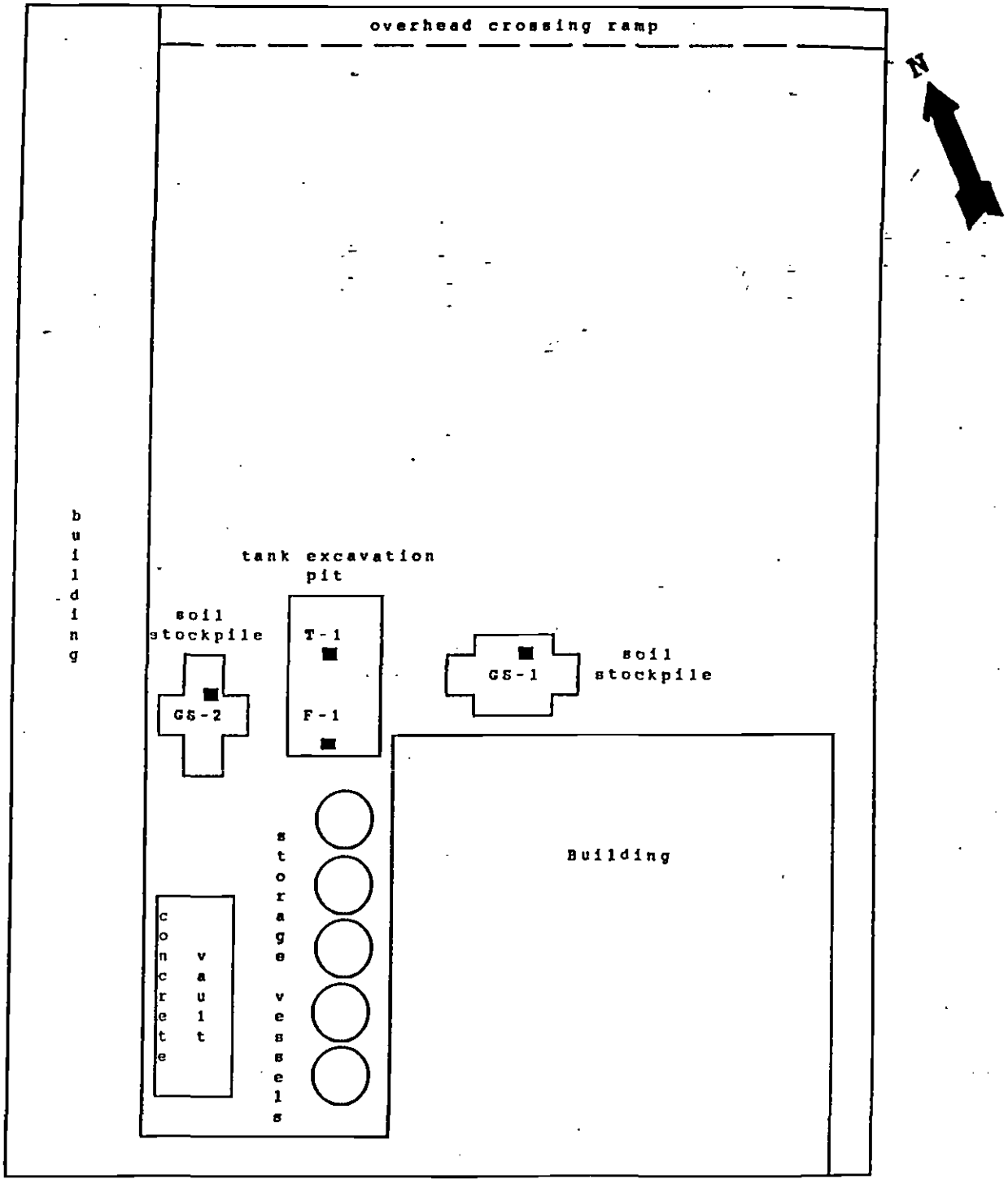


ABOVE-GROUND TANK SAMPLING LOCATION MAP

Figure 3

Solutions, Incorporated
... WORKING TOWARDS A CLEANER ENVIRONMENT

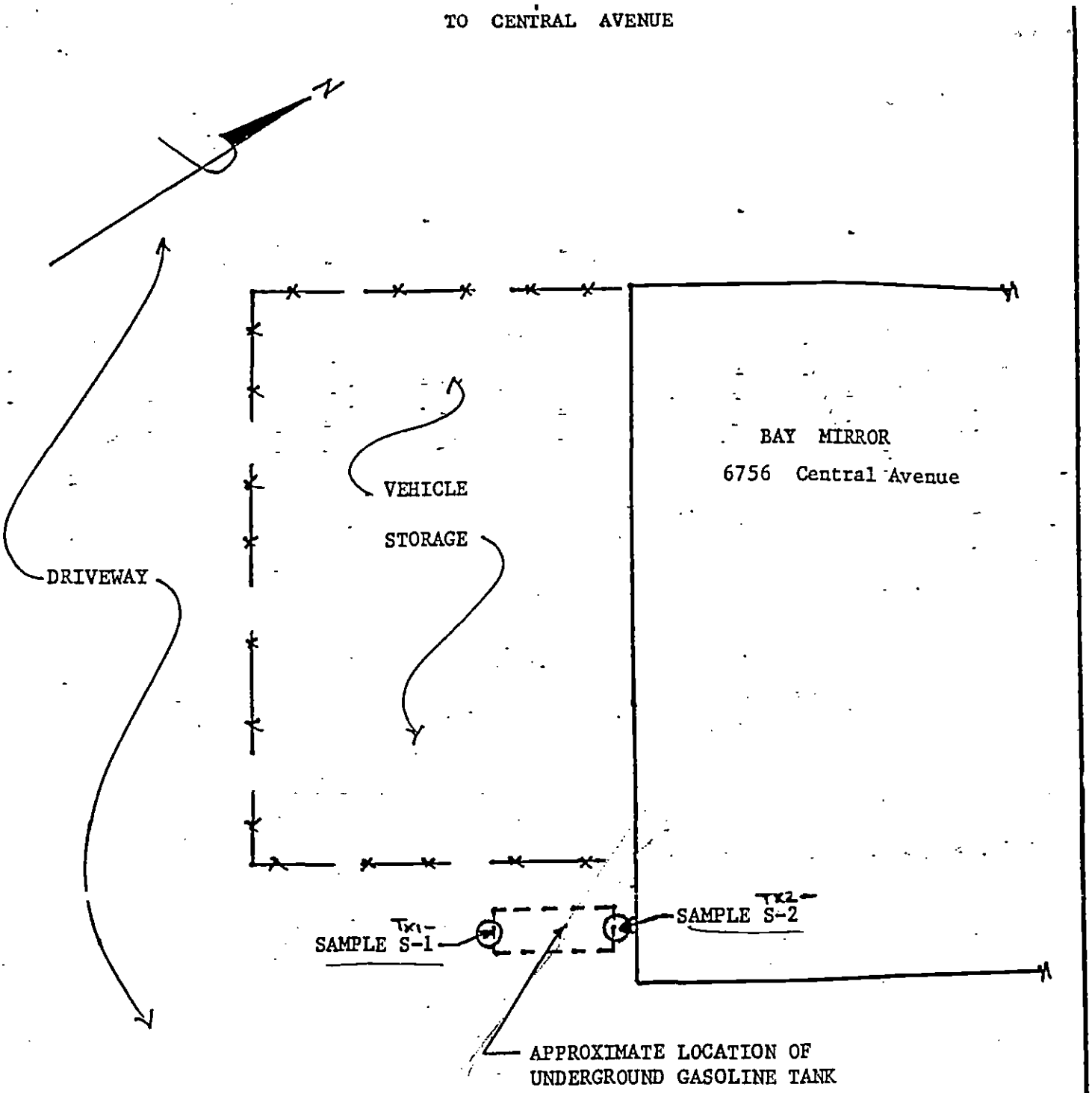
Milpitas, CA 95035
(408)957-7700
Fax(408)263-2702
Ca Cont. Lic. #578789



Scale: 1" = 20 feet

UNDERGROUND TANK SAMPLING LOCATION MAP

Figure 4



BAY MIRROR		
DATE 6-15-93	SCALE n/a	DRAWN BY dcg
SAMPLE LOCATION PLAN		
	Figure 2	

GeoPlexus, Inc.

Figure 5

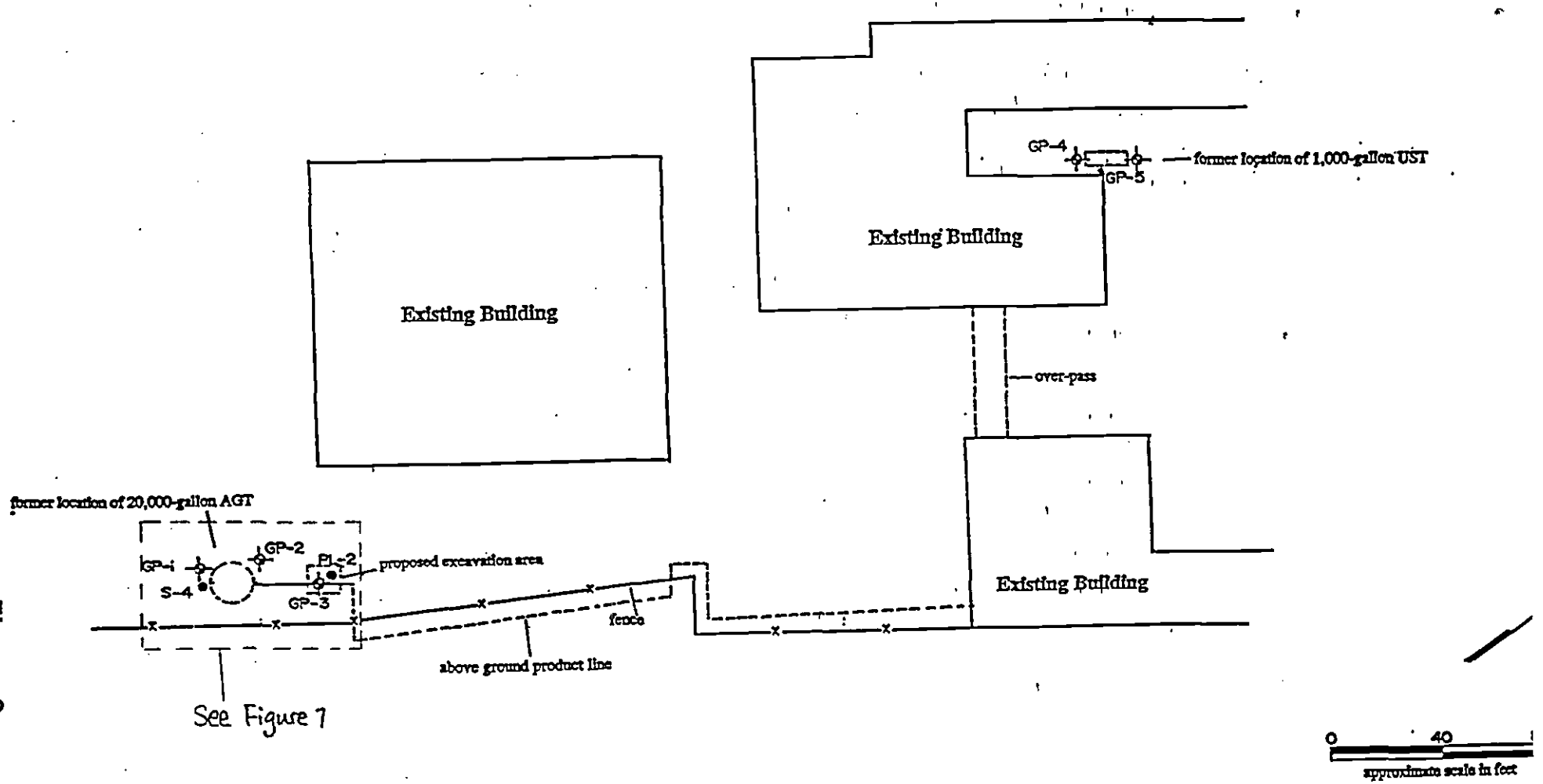


Figure 6

LEGEND

- Geoprobe sample location
- soil sample collected by AESI, 6/91
- proposed excavation

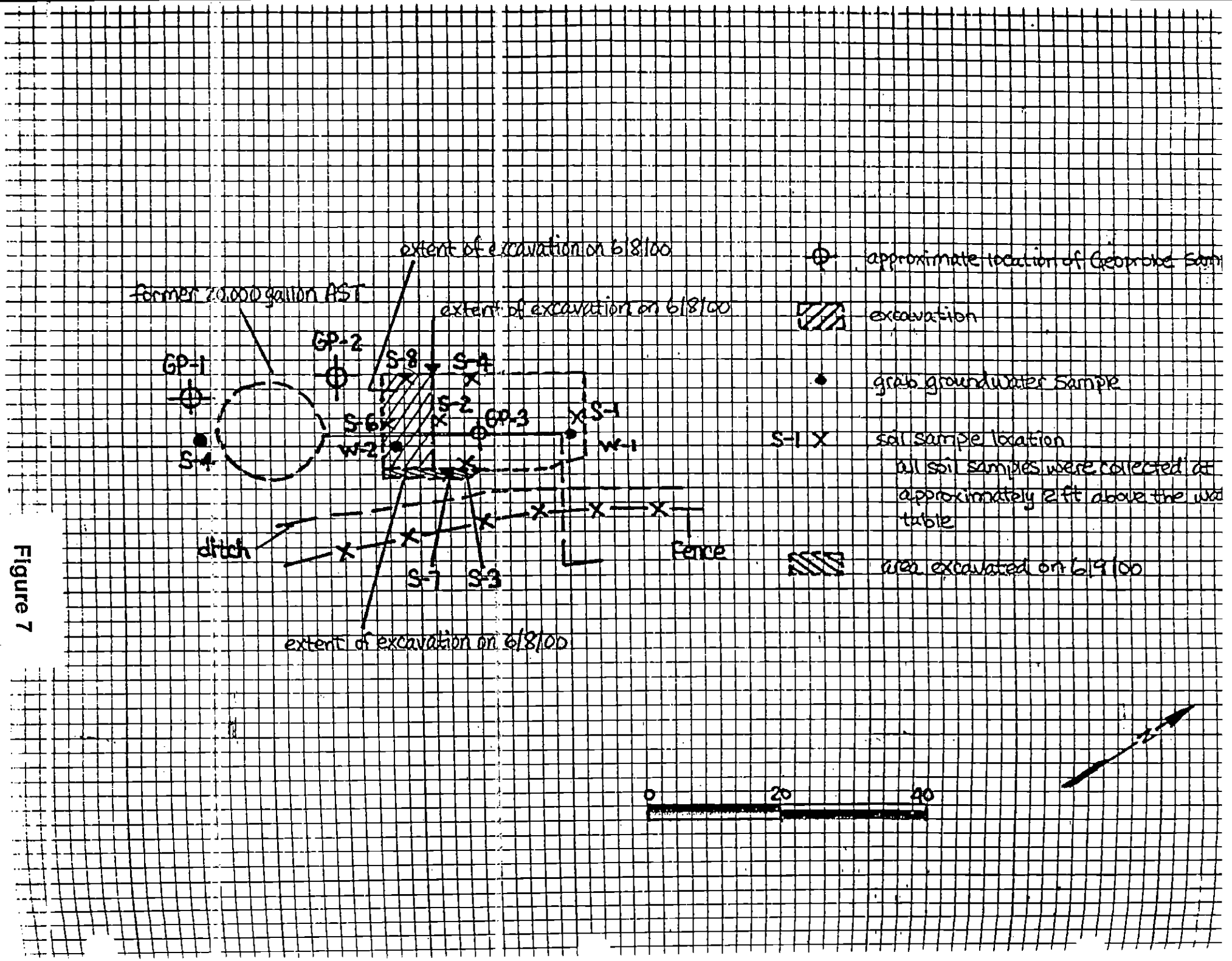

extent of excavation on 6/8/00
approximate location of Geoprobe Sam
former 20,000 gallon AST
extent of excavation on 6/8/00
excavation
GP-2
GP-1
S-8
S-4
grab groundwater sample
S-2
S-6
GP-3
S-1
S-1 X
soil sample location
all soil samples were collected at
approximately 2 ft above the wa
table
W-2
W-1
S-4
ditch
fence
area excavated on 6/9/00
S-5
S-3
extent of excavation on 6/8/00
N
0
20
40

Figure 7

California Regional Water Quality Control Board
San Francisco Bay Region

Site #20
Closure #221
HY/JM

Winston H. Hickox
Secretary for Environmental Protection

Internet Address: http://www.swrcb.ca.gov
1515 Clay Street, Suite 1400, Oakland, California 94612
Phone (510) 622-2300 - FAX (510) 622-2460

Gray Davis
Governor

December 20, 2000
File No. 01S0267 (AOF)

RECEIVED
DEC 22 2000
A.C.W.D.
ENGINEERING DEPT.

Mr. Michael H. Witkin & Mrs. Devera E. Witkin
2 Southern Heights Avenue
San Francisco, CA 94107

Mr. Eugene O. Jaffe & Mrs. Sandra R. Jaffe
4931 Winchester Circle
Newark, CA 94560

Reg Mirror

SUBJECT: Case Closure for Spills, Leaks, Investigation and Cleanup Site at 6756 Central Avenue, Newark, Alameda County

Dear Mr. & Mrs. Witkin and Mr. & Mrs. Jaffe:

This letter confirms the completion of site investigation and remedial action for the pollutant releases at the subject site. Thank you for your cooperation throughout this investigation.

Attached, please find Spill, Leaks, Investigation, and Cleanup Program (SLIC) Case Closure Summary.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the pollutant release at the subject site is required.

If you have any questions, please contact Ade Fagorala of my staff at (510) 622-2342 or e-mail aof@rb2.swrcb.ca.gov.

Sincerely,

Loretta K. Barsamian
Executive Office

Stephen A. Hill, Chief
Toxics Cleanup Division

Encl. Case Closure Summary Form
cc: Mailing List

APPENDIX F
DATABASE REPORT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT REPORT
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

DATABASE REPORT

Project Property:	*6756 and 6792 Central Avenue* *6756 and 6792 Central Avenue* *Newark CA 94560*
Project No:	*1071-105*
Report Type:	*Database Report*
Order No:	*24040300724*
Requested by:	*Farallon Consulting, LLC*
Date Completed:	*April 5, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property:		*6756 and 6792 Central Avenue* *6756 and 6792 Central Avenue Newark CA 94560*
Project No:		*1071-105*
Coordinates:		
	Latitude:	*37.52534135*
	Longitude:	*-122.02706972*
	UTM Northing:	*4,153,533.60*
	UTM Easting:	*585,930.53*
	UTM Zone:	*10S*
Elevation:		*19 FT*

Order Information:

Order No:	*24040300724*
Date Requested:	*April 3, 2024*
Requested by:	*Farallon Consulting, LLC*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**2**	-	**2**
SEMS ARCHIVE	Y	0.5	0	**1**	**1**	**2**	-	**4**
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	**1**	**1**	**4**	-	**6**
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	**1**	**1**	**2**	-	**4**
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	**2**	**1**	**3**
RCRA TSD	Y	0.5	**1**	**2**	0	**6**	-	**9**
RCRA LQG	Y	0.25	0	**4**	**1**	-	-	**5**
RCRA SQG	Y	0.25	**2**	**3**	**3**	-	-	**8**
RCRA VSQG	Y	0.25	0	**1**	**1**	-	-	**2**
RCRA NON GEN	Y	0.25	**5**	**16**	**17**	-	-	**38**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	**1**	-	-	-	**1**
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	**1**	**1**
ENVIROSTOR	Y	1	**1**	**2**	**1**	**7**	**7**	**18**
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	**3**	0	0	**2**	-	**5**
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	**1**	0	**2**	**2**	**5**
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	**1**	0	0	**3**	-	**4**
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	**2**	**1**	**5**	-	**8**
DELISTED LST	Y	0.5	**1**	**1**	0	0	-	**2**
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	**1**	**7**	**3**	-	-	**11**
UST SWEEPS	Y	0.25	**2**	**1**	**3**	-	-	**6**
AST	Y	0.25	0	**2**	0	-	-	**2**
AST SWRCB	Y	0.25	0	**3**	0	-	-	**3**
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	**2**	0	-	-	**2**
DELISTED CTNK	Y	0.25	0	0	**1**	-	-	**1**
HIST TANK	Y	0.25	**1**	**6**	**3**	-	-	**10**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	**1**	**1**	**1**	-	**3**
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	**1**	-	**1**
CLEANUP SITES	Y	0.5	**3**	**7**	**6**	**4**	-	**20**
DELISTED CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County								
LOP ALAMEDA	Y	0.5	0	0	**2**	**1**	-	**3**
CONT ALAMEDA	Y	0.5	**2**	**9**	**7**	**14**	-	**32**
UST ALAMEDA	Y	0.25	0	0	0	-	-	0
AST ALAMEDA	Y	0.25	0	**2**	**1**	-	-	**3**
CUPA BERKELEY	Y	0.25	0	0	0	-	-	0
CUPA HAYWARD	Y	0.25	0	0	0	-	-	0
CUPA SANLEANDRO	Y	0.25	0	0	0	-	-	0
UST UNION	Y	0.25	0	0	0	-	-	0
CUPA CERS UNION	Y	0.25	0	0	0	-	-	0
CUPA UNION	Y	0.25	0	0	0	-	-	0
UST LIVERMORE	Y	0.25	0	0	0	-	-	0
AST LIVERMORE	Y	0.25	0	0	0	-	-	0
CUPA LIVERMORE	Y	0.25	0	0	0	-	-	0
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	**11**	**7**	-	-	-	**18**
TRIS	Y	PO	**2**	**1**	-	-	-	**3**
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	**5**	**5**	**8**	-	**18**
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	**1**	-	-	-	**1**
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	**1**	-	-	-	-	**1**
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	**2**	0	**2**
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	**2**	-	**2**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
State								
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	**2**	**1**	-	-	**3**
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS GT CLEANUPS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
PFAS INVEST	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	**2**	0	**2**
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	**1**	**2**	-	-	-	**3**
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	**13**	**2**	-	-	-	**15**
HAZ GEN	Y	PO	**3**	**8**	-	-	-	**11**
HAZ TSD	Y	0.5	0	**1**	0	**2**	-	**3**
HIST MANIFEST	Y	PO	**4**	**1**	-	-	-	**5**
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	**2**	0	0	-	**2**
CERS HAZ	Y	0.125	0	**11**	-	-	-	**11**
DELISTED HAZ	Y	0.5	0	**2**	**2**	**6**	-	**10**
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	**4**	**16**	**12**	-	-	**32**
CDL	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County								

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Total:			62	137	74	80	11	364

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	RCRA SQG	TRI-CITY MARBLE	6756 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** *CAR000144816*	ENE	0.00 / 0.00	0	80
1	FINDS/FRS	REMODELING BY TCM INC	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID:*** *110014460788*	ENE	0.00 / 0.00	0	81
1	CLEANUP SITES	BAY MIRROR INC	6756 CENTRAL AVE NEWARK CA 94560 ***Global ID:*** *T0600191526*	ENE	0.00 / 0.00	0	82
1	CLEANUP SITES	BAY MIRROR	6756 CENTRAL AVENUE NEWARK CA 94560 ***Global ID:*** *SL0600154538*	ENE	0.00 / 0.00	0	85
1	SWF/LF	Vision Recycling	6756 Central Ave. Newark CA 94560	ENE	0.00 / 0.00	0	88
1	HHSS	BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	89
1	HAZNET	ALL CITY TRUCKING INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	89
1	HAZNET	TENANT INTER.	6756 CENTRAL AVE STE F NEWARK CA 94560	ENE	0.00 / 0.00	0	90
1	HAZNET	EARTH TONE MULCH	6756 CENTRAL AVE NEWARK CA 945605922	ENE	0.00 / 0.00	0	90
1	HAZNET	EARTH TONES MULCH	6756 CENTRAL AVE NEWARK CA 945605922	ENE	0.00 / 0.00	0	90
1	HAZNET	BAY MIRROR INC	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	0	91
1	HAZNET	B H I PRODUCTS	6756 CENTRA AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	0	91
1	HAZNET	VISION RECYCLING-NEWARK	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	91

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HAZNET	1X JAFFE WITKIN ENTERPRISES	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	0	92
1	HAZNET	1X MCGRATH RENT CORPORATION	6756 CENTRAL AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	0	92
1	HIST MANIFEST		6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	0	92
1	HIST MANIFEST		6756 CENTRAL AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	0	93
1	SWF/LF	Earthtones Mulch Company	6756 Central Avenue Newark CA 94560	ENE	0.00 / 0.00	0	93
			Act Opl Status | Activity: *Closed | Chipping and Grinding Facility/Operation*				
1	FINDS/FRS	REMODELING BY TCMNAINC.	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	94
			Registry ID: *110066626798*				
1	FINDS/FRS	ALL GOOD PALLETSNA INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	95
			Registry ID: *110066362313*				
1	FINDS/FRS	BAY MIRROR	6756 CENTRAL AVENUE NEWARK CA 94560	ENE	0.00 / 0.00	0	96
			Registry ID: *110066613070*				
1	FINDS/FRS	EDWARDS BAY AREA GRINDING	6756 CENTRAL AVE STE D NEWARK CA 94560	ENE	0.00 / 0.00	0	96
			Registry ID: *110065215145*				
1	EMISSIONS	TRI CITY MARBLE	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	97
1	EMISSIONS	REMODELING BY TCM INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	100
1	HIST TANK	BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE. NEWARK CA	ENE	0.00 / 0.00	0	103
1	RCRA NON GEN	TDRA INDUSTRIES DBA VISION RECYCLING	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	104
			EPA Handler ID: *CAL000406666*				
1	FINDS/FRS	TDRA INDUSTRIES DBA VISION RECYCLING	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	105
			Registry ID: *110070418431*				
1	RCRA NON GEN	JAFFE WITKIN PROPERTIES	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	106

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: *CAC003034516*				
1	TRIS	TRI-CITY MARBLE	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	107
1	FINDS/FRS	JAFFE WITKIN PROPERTIES	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID:*** *110070655499*	ENE	0.00 / 0.00	0	108
1	SWF/LF	Earth Tones Mulch Company	6756 Central Ave. Newark CA 94560	ENE	0.00 / 0.00	0	108
1	UST SWEEPS	BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE NEWARK CA ***C C | Status:*** *A01-008-40599 | ACTIVE* ***Tank ID:*** *000001*	ENE	0.00 / 0.00	0	109
1	UST SWEEPS	BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE NEWARK CA ***C C | Status:*** *I01-008-40599 | INACTIVE* ***Tank ID:*** *000002*	ENE	0.00 / 0.00	0	110
1	CONT ALAMEDA	BAY MIRROR INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	110
1	CONT ALAMEDA	BAY MIRROR	6756 CENTRAL AVENUE NEWARK CA 94560	ENE	0.00 / 0.00	0	110
1	C&D DEBRIS RECY	VISION RECYCLING	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	0	111
1	RCRA NON GEN	PROLOGIS	6756 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** *CAC003103659*	ENE	0.00 / 0.00	0	111
1	HAZ GEN	D HILL TRUCKING	6756 CENTRAL AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	0	112
1	HAZ GEN	REMODELING BY TCM INC	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	0	112
1	FINDS/FRS	PROLOGIS	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID:*** *110071060349*	ENE	0.00 / 0.00	0	112
2	RCRA TSD	ARCH MIRROR WEST	6792 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID:*** *CAD981385727*	N	0.00 / 0.00	1	113
2	RCRA SQG	ARCH MIRROR WEST	6792 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID:*** *CAD981385727*	N	0.00 / 0.00	1	117

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
2	FINDS/FRS	BAY MIRROR INC	6792 CENTRAL AVE. NEWARK CA 94560 ***Registry ID:*** *110000483316*	N	0.00 / 0.00	1	121
2	ENVIROSTOR	BAY MIRROR, INC.	6792 CENTRAL AVENUE NEWARK CA 94560 ***Estor/EPA ID | Cleanup Status:*** *71002777 | INACTIVE - NEEDS EVALUATION AS OF*	N	0.00 / 0.00	1	122
2	CHMIRS	Union Sanitary District	6792 Central Avenue Newark CA ***Control No | Notified Date:*** *07-4637 |*	N	0.00 / 0.00	1	122
2	HAZNET	DAY MIRROR INC	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	1	124
2	HAZNET	BAY MIRROR INC	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	1	124
2	HAZNET	JAFFE & WITKIN ENTERPRISES	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	1	124
2	HIST MANIFEST		6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	1	125
2	HIST MANIFEST		6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	1	129
2	ICIS	BAY MIRROR INC	6792 CENTRAL AVE. NEWARK CA 94560 ***Registry ID:*** *110000483316*	N	0.00 / 0.00	1	130
2	FINDS/FRS	TRNCH PLATE RENTAL CO	6792 CENTRAL AVE NEWARK CA 94560 ***Registry ID:*** *110066247001*	N	0.00 / 0.00	1	131
2	EMISSIONS	BAY MIRROR, INC	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	1	131
2	EMISSIONS	ARCH MIRROR WEST	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	1	135
2	DELISTED LST	WITKIN AND JAFFE ENTERPRISES PROPERTY	6792 AND 6756 CENTRAL AVENUE NEWARK CA 94560	N	0.00 / 0.00	1	138
2	TRIS	ARCH MIRROR WEST	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	1	138
2	RCRA NON GEN	TRNCH PLATE RENTAL CO	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	1	153

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: *CAL000468008*				
2	RCRA NON GEN	6756-6792 CENTRAL AVE. NEWARK CA LLC	6756-6792 CENTRAL AVE. NEWARK CA 94560 ***EPA Handler ID:*** *CAC003163052*	N	0.00 / 0.00	1	154
2	HAZ GEN	ARCH MIRROR WEST A DIVISION OF ARCH	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	1	155
2	CLEANUP SITES	WITKIN AND JAFFE ENTERPRISES PROPERTY	6792 AND 6756 CENTRAL AVENUE NEWARK CA 94560 ***Global ID:*** *T10000013242*	N	0.00 / 0.00	1	156
2	FINDS/FRS	6756-6792 CENTRAL AVE. NEWARK CA LLC	6756-6792 CENTRAL AVE. NEWARK CA 94560 ***Registry ID:*** *110071226414*	N	0.00 / 0.00	1	161
3	HAZNET	KING TRUCK REPAIR	6754 CENTRAL AVE NEWARK CA 94560	NNE	0.00 / 0.00	0	162

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	CHMIRS	PG&E	Sycamore St & Central Ave Newark CA ***Control No | Notified Date:*** 22-3707 | 6/29/2022 2:25:00 PM	WNW	0.01 / 28.34	-1	162
5	CHMIRS	UPRR	Newark Rail Yard/Central at Sycamore Newark CA 68179 ***Control No | Notified Date:*** 1/16/200303:53:26 PM	WSW	0.01 / 30.92	0	164
6	PFAS IND	BRITECH ELECTROPOLISHING INC	NEWARK CA	NNW	0.01 / 32.44	0	164
7	PFAS IND	MATHESON TRI GAS NEWARK	NEWARK CA	NNW	0.01 / 32.76	0	165
8	PFAS IND	BAY MIRROR INC	NEWARK CA	NNW	0.01 / 34.04	0	166
9	HAZNET	CURA INK	6803 CENTRAL NEWARK CA 945600000	NW	0.01 / 45.42	0	167
10	HHSS	BUS SERVICE-DIVISION 6	39730 SYCAMORE STREET CENTRAL NEWARK CA 94560	WNW	0.01 / 46.27	-1	167
11	CERS HAZ	JAFEC USA, Inc.	6799 CENTRAL AVE NEWARK CA 94560	N	0.01 / 47.84	1	167
11	RCRA NON GEN	JAFEC USA INC	6799 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAL000447095	N	0.01 / 47.84	1	176
11	FINDS/FRS	JAFEC USA INC	6799 CENTRAL AVE NEWARK CA 94560 ***Registry ID:*** 110070593363	N	0.01 / 47.84	1	177
12	FINDS/FRS	ALAMEDA COUNTY WATER DISTRICT NEWARK DESALINATION FACILITY	6833 REDEKER PL NEWARK CA 94560-4231 ***Registry ID:*** 110038028817	SSE	0.01 / 72.15	1	178
12	FINDS/FRS	ACWD NEWARK DESALINATION FACILITY DISCHARGES TO	6833 REDEKER NEWARK CA 94560	SSE	0.01 / 72.15	1	179

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
		OUTFALL E-14					
			Registry ID: 110066698577				
12	CERS HAZ	ACWD DESALINATION FACILITY	6833 REDEKER PL NEWARK CA 94560	SSE	0.01 / 72.15	1	179
12	EMISSIONS	ALAMEDA COUNTY WATER DISTRICT	6833 REDEKER PLACE NEWARK CA 94560	SSE	0.01 / 72.15	1	188
12	RCRA VSQG	ACWD NEWARK DESALINATION FACILITY	6833 REDEKER PLACE NEWARK CA 94560	SSE	0.01 / 72.15	1	195
			EPA Handler ID: CAL000269584				
12	HAZ GEN	ALAMEDA COUNTY WATER DIST	6833 REDEKER PL NEWARK CA 94560	SSE	0.01 / 72.15	1	197
13	CLEANUP SITES	PACIFIC COAST TRANSPORTATION SERVICES	37853 CHERRY ST NEWARK CA 94560	ENE	0.01 / 77.34	4	197
			Global ID: SL0600172614				
13	FINDS/FRS	PACIFIC COAST TRANSPORTATION SERVICES	37853 CHERRY ST NEWARK CA 94560	ENE	0.01 / 77.34	4	202
			Registry ID: 110065857558				
13	CONT ALAMEDA	PACIFIC COAST TRANSPORTATION SERVICES	37853 CHERRY ST NEWARK CA 94560	ENE	0.01 / 77.34	4	203
13	HAZ GEN	PACIFIC COAST BLDG PROD - PABCO GYPSUM	37853 CHERRY STREET NEWARK CA 958160000	ENE	0.01 / 77.34	4	203
13	HAZ GEN	TRUCK SHOP- NEWARK	37853 CHERRY ST NEWARK CA 945604348	ENE	0.01 / 77.34	4	203
13	HAZ GEN	PACIFIC COAST BLDG PROD - TRUCK SHOP	37853 CHERRY STREET NEWARK CA 945600000	ENE	0.01 / 77.34	4	203
14	ERNS		37851 CHERRY STREET NEWARK CA	ENE	0.02 / 90.03	2	203
			NRC Report No: 645117				
14	RCRA SQG	PABCO BUILDING PRODUCTS LLC	37851 CHERRY ST NEWARK CA 94560-4348	ENE	0.02 / 90.03	2	205

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: CAR000146217				
14	FINDS/FRS	PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560 ***Registry ID:*** 110001163339	ENE	0.02 / 90.03	2	206
14	FINDS/FRS	2395 ALAMEDA COUNTY WATER DISTRICT	37851 CHERRY ST NEWARK CA 94560 ***Registry ID:*** 110043368227	ENE	0.02 / 90.03	2	207
14	LUST	PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560 ***Global ID | Status:*** T0600101019 | Completed - Case Closed	ENE	0.02 / 90.03	2	208
14	AST	PABCO GYPSUM - NEWARK	37851 CHERRY ST. NEWARK CA	ENE	0.02 / 90.03	2	217
14	HHSS	PABCO GYPSUM	37851 CHERRY NEWARK CA 94560	ENE	0.02 / 90.03	2	217
14	HAZNET	PABCO BUILDING PRODUCTS LLC	37851 CHERRY ST NEWARK CA 945604348	ENE	0.02 / 90.03	2	217
14	HIST MANIFEST		37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	2	217
14	CERS TANK	Pabco Gypsum	37851 CHERRY ST NEWARK CA 94560 ***Site ID:*** 54508	ENE	0.02 / 90.03	2	219
14	PRP	PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560 ***Site EPA ID:*** UTD980962591	ENE	0.02 / 90.03	2	241
14	EMISSIONS	PABCO GYPSUM	37851 CHERRY STREET NEWARK CA 94560	ENE	0.02 / 90.03	2	241
14	HIST TANK	PABCO GYPSUM	37851 CHERRY NEWARK CA	ENE	0.02 / 90.03	2	252
14	RCRA NON GEN	PABCO BLDG PRODUCTS LLC-PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560-0000 ***EPA Handler ID:*** CAD058775826	ENE	0.02 / 90.03	2	252
14	FINDS/FRS	PABCO BLDG PRODUCTS LLC-PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560-0000	ENE	0.02 / 90.03	2	253

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Registry ID: 110070442137				
14	TRIS	PABCO GYPSUM	37851 CHERRY STREET NEWARK CA 945604348	ENE	0.02 / 90.03	2	254
14	AST SWRCB	PABCO GYPSUM	37851 CHERRY ST. NEWARK CA 94560-0405	ENE	0.02 / 90.03	2	257
14	UST SWEEPS	PABCO GYPSUM	37851 CHERRY NEWARK CA ***C C | Status:*** I01-008-42399 | INACTIVE ***Tank ID:*** 000003, 000002, 000001	ENE	0.02 / 90.03	2	258
14	AST ALAMEDA	Pabco Gypsum	37851 CHERRY ST Newark CA	ENE	0.02 / 90.03	2	258
14	CONT ALAMEDA	PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	2	259
14	HAZ GEN	PABCO GYPSUM- NEWARK	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	2	259
14	HAZ GEN	PABCO GYPSUM	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	2	259
14	HAZ GEN	ROYAL TRUCKING	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	2	259
14	HAZ GEN	PABCO BLDG PRODUCTS LLC-PABCO GYPSUM	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	2	259
15	PFAS IND	MILPRINT PACKAGING LLC	NEWARK CA	N	0.02 / 110.43	1	260
16	CERCLIS	FULLER H B CO	6925 CENTRAL AVE NEWARK CA 94560 ***Site EPA ID:*** CAD046414694	W	0.04 / 226.40	1	260
16	CERCLIS NFRAP	FULLER H B CO	6925 CENTRAL AVE NEWARK CA 94560 ***Site EPA ID:*** CAD046414694	W	0.04 / 226.40	1	262
16	CLEANUP SITES	H. B. FULLER CO.	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	1	263

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Global ID: SL18233651				
16	ENVIROSTOR	H B FULLER COMPANY	6925 CENTRAL AVENUE NEWARK CA 94560	W	0.04 / 226.40	1	303
			***Estor/EPA ID	Cleanup Status:*** 01280007 | REFER: RWQCB AS OF 12/17/2002			
16	HHSS	H B FULLER CO	6925 CENTRAL AV NEWARK CA 94560	W	0.04 / 226.40	1	303
16	SEMS ARCHIVE	FULLER H B CO	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	1	304
			EPA ID: CAD046414694				
16	CDO/CAO	H.B. Fuller Co.	6925 Central Newark CA	W	0.04 / 226.40	1	304
16	CDO/CAO	H.B. Fuller Co.	6925 Central Newark CA	W	0.04 / 226.40	1	306
16	CERS HAZ	Matheson Tri-Gas, Inc.	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	1	307
16	HIST TANK	H B FULLER CO	6925 CENTRAL AV NEWARK CA	W	0.04 / 226.40	1	313
16	RCRA NON GEN	MATHESON GAS	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	1	313
			EPA Handler ID: CAL000375830				
16	RCRA NON GEN	H B FULLER CO	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	1	314
			EPA Handler ID: CAD046414694				
16	CONT ALAMEDA	H. B. FULLER CO.	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	1	315
16	CALSITES	H B FULLER COMPANY	6925 CENTRAL AVENUE NEWARK CA 94560	W	0.04 / 226.40	1	315
17	RCRA LQG	MILPRINT PACKAGING	6590 CENTRAL AVE. NEWARK CA 94560	NE	0.05 / 272.32	1	316
			EPA Handler ID: CAD009120866				
17	CLEANUP SITES	AMERICAN NATIONAL CAN	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	1	327
			Global ID: SL0600193943				

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
17	CLEANUP SITES	ALCAN PLASTIC PACKAGING PLANT	6590 CENTRAL AVENUE NEWARK CA 94560 ***Global ID:*** SL0600139630	NE	0.05 / 272.32	1	329
17	HHSS	GUARDIAN PACKAGING CORP	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	1	333
17	DRYCLEANERS	MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA	NE	0.05 / 272.32	1	333
17	EMISSIONS	BEMIS FLEXIBLE PACKAGING-MILPR	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	1	334
17	EMISSIONS	MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	1	335
17	EMISSIONS	PECHINEY PLASTIC PACKAGING, IN	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	1	338
17	EMISSIONS	AMERICAN NATIONAL CAN COMPANY	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	1	342
17	CERS HAZ	Mission Linen & Uniform Service	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	1	344
17	HIST TANK	GUARDIAN PACKAGING CORP	6590 CENTRAL AVE NEWARK CA	NE	0.05 / 272.32	1	347
17	DRYCLEANERS	MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA	NE	0.05 / 272.32	1	347
17	RCRA NON GEN	MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAL000433219	NE	0.05 / 272.32	1	348
17	CONT ALAMEDA	ALCAN PLASTIC PACKAGING PLANT	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	1	349
17	CONT ALAMEDA	AMERICAN NATIONAL CAN	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	1	349

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
18	RCRA TSD	MATHESON - NEWARK, CA	6775 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID:*** CAD053046959	NNW	0.06 / 301.48	1	349
18	CLEANUP SITES	MATHESON TRI-GAS, INC.	6775 CENTRAL AVENUE NEWARK CA 94560 ***Global ID:*** SL0600104387	NNW	0.06 / 301.48	1	362
18	ENVIROSTOR	MATHESON TRI-GAS, INC.	6775 CENTRAL AVE NEWARK CA 945600000 ***Estor/EPA ID	Cleanup Status:*** CAD053046959 |	NNW	0.06 / 301.48	1	371
18	HWP	MATHESON TRI-GAS, INC.	6775 CENTRAL AVE NEWARK CA 945600000 ***Estor/EPA ID	Cleanup Status:*** CAD053046959 |	NNW	0.06 / 301.48	1	371
18	HHSS	MATHESON GAS PRODUCTS INC	6775 CENTRAL AVENUE NEWARK CA 94560	NNW	0.06 / 301.48	1	372
18	CERS HAZ	Matheson Tri-Gas	6775 CENTRAL AVE. NEWARK CA 94560	NNW	0.06 / 301.48	1	372
18	EMISSIONS	MATHESON GAS PRODUCTS, INC	6775 CENTRAL AVE NEWARK CA 94560	NNW	0.06 / 301.48	1	384
18	EMISSIONS	MATHESON TRI-GAS, INC	6775 CENTRAL AVE NEWARK CA 94560	NNW	0.06 / 301.48	1	385
18	EMISSIONS	MATHESON GAS PRODUCTS	6775 CENTRAL AVE NEWARK CA 94560	NNW	0.06 / 301.48	1	394
18	HIST TANK	MATHESON GAS PRODUCTS, INC.	6775 CENTRAL AVENUE NEWARK CA	NNW	0.06 / 301.48	1	395
18	RCRA LQG	MATHESON - NEWARK, CA	6775 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID:*** CAD053046959	NNW	0.06 / 301.48	1	395
18	CONT ALAMEDA	MATHESON TRI-GAS, INC.	6775 CENTRAL AVENUE NEWARK CA 94560	NNW	0.06 / 301.48	1	407
18	CERS HAZ	MATHESON TRI-GAS, INC.	6775 CENTRAL AVE NEWARK CA 945600000	NNW	0.06 / 301.48	1	407

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
19	RCRA LQG	BRITECH ELECTROPOLISHING INC	6821 CENTRAL AVENUE STE A NEWARK CA 94560-0000 ***EPA Handler ID:*** CAR000176883	NW	0.06 / 315.29	1	408
19	CERS HAZ	BRITECH ELECTROPOLISHING INC.	6821 CENTRAL AVE A NEWARK CA 94560	NW	0.06 / 315.29	1	412
19	DELISTED HAZ	Acorn Trading Inc / dba Sunnyvale Trading	6821 CENTRAL AVE B NEWARK CA 94560	NW	0.06 / 315.29	1	425
19	RCRA NON GEN	PREVOST CAR (US)	6821 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID:*** CAL000430023	NW	0.06 / 315.29	1	425
20	PFAS IND	MATHESON TRI-GAS INC - NEWARK BRANCH	NEWARK CA	NNW	0.06 / 320.62	1	426
21	CERS HAZ	D&D EQUIPMENT CO. /FINE LINE SAWING	37651 SYCAMORE ST NEWARK CA 94560	WNW	0.08 / 397.77	0	427
22	RCRA SQG	TIRE DISTRIBUTION SYSTEMS INC	6995 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAP000068965	W	0.10 / 528.23	0	444
22	RCRA NON GEN	VIVID INC	6995 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAL000454686	W	0.10 / 528.23	0	445
22	RCRA NON GEN	GIANT BULL CUSTOM AUTO HOUSE.	6995 CENTRAL AVE UNIT C NEWARK CA 94560 ***EPA Handler ID:*** CAC003078640	W	0.10 / 528.23	0	446
22	RCRA NON GEN	GIANT BULL INC	6995 CENTRAL AVE UNIT C NEWARK CA 94560 ***EPA Handler ID:*** CAC003105815	W	0.10 / 528.23	0	447
22	RCRA NON GEN	GIANT BULL CUSTOM AUTO HOUSE	6995 CENTRAL AVE UNIT C NEWARK CA 94560 ***EPA Handler ID:*** CAL000472500	W	0.10 / 528.23	0	448
23	RCRA LQG	CARGILL SALT	7220 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID:*** CAD009134438	SW	0.11 / 554.63	-2	449
23	CLEANUP SITES	CARGILL SALT	7200 CENTRAL AVENUE NEWARK CA 94560	SW	0.11 / 554.63	-2	463

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Global ID: SL0600192948				
23	DELISTED LST	LESLIE SALT COMPANY	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	-2	465
23	AST	CARGILL SALT	7220 CENTRAL AVE. NEWARK CA	SW	0.11 / 554.63	-2	466
23	HHSS	PLANT 2	7220 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	-2	466
23	CERS TANK	CARGILL SALT	7220 CENTRAL AVE NEWARK CA 94560 ***Site ID:*** 389366	SW	0.11 / 554.63	-2	466
23	EMISSIONS	CARGILL SALT	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	-2	481
23	EMISSIONS	CARGILL SALT	7220 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	-2	485
23	EMISSIONS	LESLIE SALT CO	7220 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	-2	491
23	HIST TANK	PLANT 2	7220 CENTRAL AVE NEWARK CA	SW	0.11 / 554.63	-2	491
23	AST SWRCB	CARGILL SALT	7220 CENTRAL AVE. NEWARK CA 94560	SW	0.11 / 554.63	-2	492
23	AST SWRCB	LESLIE SALT COMPANY	7220 CENTRAL AVE. NEWARK CA 94560	SW	0.11 / 554.63	-2	492
23	AST ALAMEDA	CARGILL SALT	7220 CENTRAL AVE NEWARK CA	SW	0.11 / 554.63	-2	492
23	CONT ALAMEDA	CARGILL SALT	7200 CENTRAL AVENUE NEWARK CA 94560	SW	0.11 / 554.63	-2	492
23	CONT ALAMEDA	LESLIE SALT COMPANY	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	-2	492

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
23	RCRA NON GEN	WERNER ENTERPRISES	7220 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAC003177115	SW	0.11 / 554.63	-2	493
23	HAZ TSD	CARGILL SALT	7220 CENTRAL AVE. NEWARK CA 945600000	SW	0.11 / 554.63	-2	494
23	CLEANUP SITES	LESLIE SALT COMPANY	7200 CENTRAL AVE NEWARK CA 94560 ***Global ID:*** T0600102192	SW	0.11 / 554.63	-2	494
24	LUST	AC TRANSIT-NEWARK FACILITY	37650 SYCAMORE STREET NEWARK CA 94560 ***Global ID | Status:*** T0600100022 | Completed - Case Closed	WNW	0.11 / 578.06	1	501
24	HHSS	NEWARK DIVISION NO 6	37650 SYCAMORE STREET NEWARK CA 94550	WNW	0.11 / 578.06	1	512
24	HIST TANK	NEWARK DIVISION NO. 6	37650 SYCAMORE STREET NEWARK CA	WNW	0.11 / 578.06	1	512
24	RCRA NON GEN	ALAMEDA COUNTY TRANSIT DISTRICT	37650 SYCAMORE ST NEWARK CA 94560-0000 ***EPA Handler ID:*** CAL000341418	WNW	0.11 / 578.06	1	512
24	RCRA NON GEN	PIOTEC AUTOWORKZ	37650 SYCAMORE ST UNIT 2 NEWARK CA 94560 ***EPA Handler ID:*** CAL000429350	WNW	0.11 / 578.06	1	513
24	CONT ALAMEDA	AC TRANSIT-NEWARK FACILITY	37650 SYCAMORE STREET NEWARK CA 94560	WNW	0.11 / 578.06	1	514
25	RCRA SQG	MAACO	6565 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAR000046482	NNE	0.11 / 580.25	2	515
25	CERS HAZ	ACC AUTO COLLISION CENTER INC	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	2	517
25	EMISSIONS	ACC AUTO COLLISION CENTER	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	2	525
25	EMISSIONS	MAACO COLLISION REPAIR & AUTO	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	2	529

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
25	EMISSIONS	MAACO AUTO PAINTING	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	2	530
25	EMISSIONS	CHOICE AUTO BODY	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	2	532
25	RCRA NON GEN	ACC AUTO COLLISION CENTER INC	6565 CENTRAL AVE NEWARK CA 94560-3932 ***EPA Handler ID:*** CAL000336154	NNE	0.11 / 580.25	2	533
26	DELISTED HAZ	ELITE RECYCLING SERVICES, LLC	6640 REDEKER PL NEWARK CA 94560	E	0.12 / 630.83	3	534
27	CERS HAZ	Giant Bull Custom Auto House	37600 SYCAMORE ST NEWARK CA 94560	WNW	0.12 / 644.83	2	534
27	RCRA TSD	GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE	37600 SYCAMORE ST NEWARK CA 94560 ***EPA Handler ID:*** CAL000417841	WNW	0.12 / 644.83	2	550
27	RCRA NON GEN	GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE	37600 SYCAMORE ST NEWARK CA 94560 ***EPA Handler ID:*** CAL000417841	WNW	0.12 / 644.83	2	551
28	CERS HAZ	Silicon Valley Manufacturing, Inc.	6520 CENTRAL AVE NEWARK CA 94560	NNE	0.12 / 652.85	3	553
28	RCRA NON GEN	SILICON VALLEY MANUFACTURING INC	6520 CENTRAL AVE NEWARK CA 94560-3933 ***EPA Handler ID:*** CAL000327105	NNE	0.12 / 652.85	3	561
29	PFAS IND	CROWN MANUFACTURING	NEWARK CA	W	0.14 / 746.07	4	562
30	DELISTED CTNK	CROWN MANUFACTURING COMPANY	37625 SYCAMORE ST. NEWARK CA 94560	W	0.14 / 759.79	4	562
30	RCRA NON GEN	CROWN MANUFACTURING	37625 SYCAMORE ST NEWARK CA 94560 ***EPA Handler ID:*** CAL000254563	W	0.14 / 759.79	4	563
30	AST ALAMEDA	CROWN MANUFACTURING COMPANY	37625 SYCAMORE ST NEWARK CA	W	0.14 / 759.79	4	564

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
31	EMISSIONS	RECALL NORTH AMERICA	6730 REDEKER PLACE NEWARK CA 94560	ESE	0.15 / 777.58	3	564
31	RCRA NON GEN	IRON MOUNTAIN	6730 REDEKER PLACE NEWARK CA 94560 ***EPA Handler ID:*** CAC003215982	ESE	0.15 / 777.58	3	568
31	RCRA NON GEN	IRON MOUNTAIN	6730 REDEKER PLACE NEWARK CA 94560 ***EPA Handler ID:*** CAC003239292	ESE	0.15 / 777.58	3	569
32	HHSS	NEWARK PLANT-CHERRY ST WAREHOU	37707 CHERRY STREET NEWARK CA 94560	NE	0.15 / 787.51	3	570
32	HIST TANK	NEWARK PLANT-CHERRY ST WAREHOU	37707 CHERRY STREET NEWARK CA	NE	0.15 / 787.51	3	570
32	DRYCLEANERS	MISSION LINEN SUPPLY	37707 CHERRY ST NEWARK CA	NE	0.15 / 787.51	3	571
33	PFAS IND	CARGILL SALT NEWARK INDUSTRIAL STORMWATER	NEWARK CA	SSW	0.15 / 798.56	-2	571
34	RCRA LQG	FORMER UNOCAL 306429	6800 ROBERTSON AVE NEWARK CA 94560 ***EPA Handler ID:*** CAD097071047	ESE	0.15 / 799.43	2	572
34	CLEANUP SITES	UNOCAL CHEMICALS	6800 ROBERTSON AVE NEWARK CA 94560 ***Global ID:*** T0600101484	ESE	0.15 / 799.43	2	574
34	HHSS	UNION OIL CO OF CA	6800 ROBERTSON AVENUE NEWARK CA 94560	ESE	0.15 / 799.43	2	617
34	EMISSIONS	ROHM & HAAS COMPANY	6800 ROBERTSON AVE NEWARK CA 94560	ESE	0.15 / 799.43	2	617
34	EMISSIONS	UNOCAL CHEMICALS DIVISION	6800 ROBERTSON AVE NEWARK CA 94560	ESE	0.15 / 799.43	2	617

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
34	HIST TANK	UNION OIL CO. OF CA	6800 ROBERSTSON AVENUE NEWARK CA	ESE	0.15 / 799.43	2	618
34	RCRA NON GEN	QUIETROCK BY PABCO GYPSUM	6800 REDEKER PL NEWARK CA 94560 ***EPA Handler ID:*** CAL000436424	ESE	0.15 / 799.43	2	618
35	RCRA NON GEN	GACHINA LANDSCAPE MANAGEMENT	6750 CLARK AVE NEWARK CA 94560 ***EPA Handler ID:*** CAL000437053	NNW	0.15 / 810.03	3	619
36	PFAS IND	CARGILL SALT COMPANY	NEWARK CA	WSW	0.17 / 892.79	-3	620
37	CLEANUP SITES	CELLCO PARTNERSHIP	37555 SYCAMORE STREET NEWARK CA 94560 ***Global ID:*** SL0600101415	WNW	0.17 / 895.58	1	621
37	RCRA NON GEN	ARELLANO MOTORS	37555 SYCAMORE ST #9 NEWARK CA 94560 ***EPA Handler ID:*** CAL000451620	WNW	0.17 / 895.58	1	624
37	CONT ALAMEDA	CELLCO PARTNERSHIP	37555 SYCAMORE STREET NEWARK CA 94560	WNW	0.17 / 895.58	1	626
38	RCRA NON GEN	CORPORATE EXPRESS	7091 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAR000200261	WSW	0.17 / 905.98	-1	626
38	CLEANUP SITES	REDWOOD LUMBER COMPANY	7091 CENTRAL AVENUE NEWARK CA 94560 ***Global ID:*** SL0600138208	WSW	0.17 / 905.98	-1	627
38	CLEANUP SITES	REDWOOD LUMBER	7091 CENTRAL NEWARK CA 94560 ***Global ID:*** SLT19771421	WSW	0.17 / 905.98	-1	629
38	LOP ALAMEDA	REDWOOD LUMBER	7091 CENTRAL AVE NEWARK CA 94560	WSW	0.17 / 905.98	-1	631
38	RCRA NON GEN	CORPORATE EXPRESS	7091 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID:*** CAP000195578	WSW	0.17 / 905.98	-1	632
38	CONT ALAMEDA	REDWOOD LUMBER	7091 CENTRAL NEWARK CA 94560	WSW	0.17 / 905.98	-1	633

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38	CONT ALAMEDA	REDWOOD LUMBER COMPANY	7091 CENTRAL AVENUE NEWARK CA 94560	WSW	0.17 / 905.98	-1	633
39	LUST	TWO COUNT COMPANY	37590 SYCAMORE ST NEWARK CA 94560	WNW	0.17 / 912.93	2	634
			***Global ID	Status:*** T0600101394	Completed - Case Closed		
39	HHSS	TWO COUNT COMPANY INC	37590 SYCAMORE ST. NEWARK CA 94560	WNW	0.17 / 912.93	2	640
39	EMISSIONS	FULL SPECTRUM INDUSTRIES, INC	37590 SYCAMORE ST NEWARK CA 94560	WNW	0.17 / 912.93	2	640
39	HIST TANK	TWO COUNT COMPANY, INC.	37590 SYCAMORE ST. NEWARK CA	WNW	0.17 / 912.93	2	641
39	UST SWEEPS	TWO COUNT CO	37590 SYCAMORE NEWARK CA	WNW	0.17 / 912.93	2	641
			***C C	Status:*** A01-008-86543	ACTIVE ***Tank ID:*** 000001		
39	CONT ALAMEDA	TWO COUNT COMPANY	37590 SYCAMORE ST NEWARK CA 94560	WNW	0.17 / 912.93	2	641
40	EMISSIONS	AL'S CUSTOM FINISHING INC	37537 SYCAMORE ST, STE B NEWARK CA 94560	WNW	0.19 / 1,025.05	2	641
41	PFAS IND	UNION OIL	NEWARK CA	ENE	0.20 / 1,059.87	3	648
42	UST SWEEPS	UNION OIL CO. OF CA	6800 ROBERTSON AVE NEWARK CA	ENE	0.20 / 1,079.65	3	649
			***C C	Status:*** A01-008-65221	ACTIVE ***Tank ID:*** 000004, 000001, 000003, 000002		
42	UST SWEEPS	UNION OIL CO. OF CA	6800 ROBERTSON AVE NEWARK CA	ENE	0.20 / 1,079.65	3	650
			***C C	Status:*** I01-008-65221	INACTIVE ***Tank ID:*** 000005		
42	CONT ALAMEDA	UNOCAL CHEMICALS	6800 ROBERTSON AVE NEWARK CA 94560	ENE	0.20 / 1,079.65	3	650
43	RCRA VSQG	WHITE CAP LTD	6691 CLARK AVE NEWARK CA 94560	NNW	0.21 / 1,110.20	3	650
			EPA Handler ID: CAR000353623				

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44	CERCLIS	COLUMBUS COATED FABRICS	38083 CHERRY ST NEWARK CA 94560 ***Site EPA ID:*** CAD045291192	E	0.21 / 1,110.27	2	652
44	CERCLIS NFRAP	COLUMBUS COATED FABRICS	38083 CHERRY ST NEWARK CA 94560 ***Site EPA ID:*** CAD045291192	E	0.21 / 1,110.27	2	654
44	RCRA NON GEN	B E P NEWARK L P	38083 CHERRY ST NEWARK CA 94560 ***EPA Handler ID:*** CAD045291192	E	0.21 / 1,110.27	2	656
44	RCRA SQG	SOLECTRON CALIFORNIA BLDG 18	38083 CHERRY ST NEWARK CA 94560 ***EPA Handler ID:*** CAD002465052	E	0.21 / 1,110.27	2	657
44	CLEANUP SITES	INTERNATIONAL PAPER COMPANY	38083 CHERRY ST NEWARK CA 94560 ***Global ID:*** T0600100962	E	0.21 / 1,110.27	2	659
44	SEMS ARCHIVE	COLUMBUS COATED FABRICS	38083 CHERRY ST NEWARK CA 94560 ***EPA ID:*** CAD045291192	E	0.21 / 1,110.27	2	672
44	EMISSIONS	INTERNATIONAL PAPER FC&L DIVIS	38083 CHERRY STREET NEWARK CA 94560	E	0.21 / 1,110.27	2	673
44	CONT ALAMEDA	INTERNATIONAL PAPER COMPANY	38083 CHERRY ST NEWARK CA 94560	E	0.21 / 1,110.27	2	674
44	CALSITES	COLUMBUS COATED FABRICS	38083 CHERRY STREET NEWARK CA 94560	E	0.21 / 1,110.27	2	675
45	ENVIROSTOR	COLUMBUS COATED FABRICS	38083 CHERRY STREET NEWARK CA 94560 ***Estor/EPA ID | Cleanup Status:*** 01280013 | NO ACTION REQUIRED AS OF 6/1/1987	E	0.21 / 1,110.36	2	675
46	RCRA NON GEN	EDUARDO PEDREIRA	37818 LOBELIA DRIVE NEWARK CA 94560 ***EPA Handler ID:*** CAC003000749	NE	0.22 / 1,144.42	4	676
47	RCRA NON GEN	SESAME	7300 CENTRAL AVE STE C NEWARK CA 94560 ***EPA Handler ID:*** CAL000464251	WSW	0.22 / 1,175.27	-3	677
48	DELISTED HAZ	FERAL PRODUCTIONS	7300 CENTRAL AVE A NEWARK CA 94560	WSW	0.22 / 1,175.46	-3	678

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49	RCRA SQG	DANS AUTO BODY & PAINT SHOP	37444 SYCAMORE ST APT 6 NEWARK CA 94560 ***EPA Handler ID:*** CAD982040594	NW	0.23 / 1,188.03	4	678
49	DELISTED HAZ	LOPEZ AUTO CLINIC	37444 SYCAMORE ST 15 NEWARK CA 94560	NW	0.23 / 1,188.03	4	679
49	EMISSIONS	BUMPERS 2000	37444 SYCAMORE ST, SUITE 9 NEWARK CA 94560	NW	0.23 / 1,188.03	4	680
49	EMISSIONS	BUMPERS & PARTS, INC	37444 SYCAMORE ST, SUITE 9 NEWARK CA 94560	NW	0.23 / 1,188.03	4	680
49	EMISSIONS	J CAM FIBERGLASS	37444 SYCAMORE ST NEWARK CA 94560	NW	0.23 / 1,188.03	4	682
49	EMISSIONS	MILLIFLECT	37444 SYCAMORE ST NEWARK CA 94560	NW	0.23 / 1,188.03	4	687
49	EMISSIONS	DELUXE MARBLE	37444 SYCAMORE ST, STE 11 NEWARK CA 94560	NW	0.23 / 1,188.03	4	691
49	EMISSIONS	BAY MARBLE	37444 SYCAMORE ST, STE 11 NEWARK CA 94560	NW	0.23 / 1,188.03	4	695
49	RCRA NON GEN	DELUXE MARBLE	37444 SYCAMORE ST STE 11A NEWARK CA 94560 ***EPA Handler ID:*** CAL000409911	NW	0.23 / 1,188.03	4	697
49	RCRA NON GEN	P&R AUTO REPAIR 3/26/13	37444 SYCAMORE ST STE 7 NEWARK CA 94560 ***EPA Handler ID:*** CAL000447173	NW	0.23 / 1,188.03	4	698
49	RCRA NON GEN	SAMUEL MACIAS	37444 SYCAMORE ST #2 NEWARK CA 94560 ***EPA Handler ID:*** CAC003022349	NW	0.23 / 1,188.03	4	699
49	RCRA SQG	G M DEVELOPMENT NV LP CO	37444 SYCAMORE ST UNIT 7 NEWARK CA 94560 ***EPA Handler ID:*** CAP000092791	NW	0.23 / 1,188.03	4	700
49	RCRA NON GEN	BRANDON AUTOMOTIVE	37444 SYCAMORE ST UNIT 15 NEWARK CA 94560 ***EPA Handler ID:*** CAL000423791	NW	0.23 / 1,188.03	4	702

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49	RCRA NON GEN	K&S AUTOMOTIVE REPAIR	37444 SYCAMORE STREET STE 2 NEWARK CA 94560 ***EPA Handler ID:*** CAC003219629	NW	0.23 / 1,188.03	4	702
50	RCRA NON GEN	JOHN DSOUZA	38007 MANZANITA STREET NEWARK CA 94560 ***EPA Handler ID:*** CAC003221738	ENE	0.23 / 1,210.36	3	704
51	LOP ALAMEDA	CHERRY PROPERTIES	37409 CHERRY ST NEWARK CA 94560	N	0.23 / 1,238.68	4	705
52	CLEANUP SITES	CHERRY PROPERTIES	37409 CHERRY NEWARK CA 94560 ***Global ID:*** T06019735911	N	0.24 / 1,272.18	4	705
52	CONT ALAMEDA	CHERRY PROPERTIES	37409 CHERRY NEWARK CA 94560	N	0.24 / 1,272.18	4	707
53	PFAS IND	J CAM FIBERGLASS	NEWARK CA	WNW	0.25 / 1,314.89	3	707
54	PFAS IND	B E P NEWARK L P	NEWARK CA	ENE	0.25 / 1,335.31	3	708
55	CERCLIS	STEELER, INC. DRYWALL CONSTRUCTION SUPPLY	6851 SMITH AVE NEWARK CA 94560 ***Site EPA ID:*** CAD981389653	ESE	0.28 / 1,478.89	0	709
55	CERCLIS	UNION PACIFIC VERMICULITE RAIL SPUR	6851 SMITH AVE NEWARK CA 94560 ***Site EPA ID:*** CAN000905932	ESE	0.28 / 1,478.89	0	711
55	LUST	GRACE CONSTRUCTION PRODUCTS	6851 SMITH AVE NEWARK CA 94560 ***Global ID | Status:*** T0600101890 | Open - Verification Monitoring	ESE	0.28 / 1,478.89	0	712
55	SEMS	UNION PACIFIC VERMICULITE RAIL SPUR	6851 SMITH AVE NEWARK CA 94560 ***EPA ID:*** CAN000905932	ESE	0.28 / 1,478.89	0	724
55	SEMS	STEELER, INC. DRYWALL CONSTRUCTION SUPPLY	6851 SMITH AVE NEWARK CA 94560 ***EPA ID:*** CAD981389653	ESE	0.28 / 1,478.89	0	725

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
55	CONT ALAMEDA	GRACE CONSTRUCTION PRODUCTS	6851 SMITH AVE NEWARK CA 94560	ESE	0.28 / 1,478.89	0	726
56	RCRA TSD	MANKANG MAI	6925 BAINE AVENUE NEWARK CA 94560 ***EPA Handler ID:*** CAC003007919	NW	0.29 / 1,538.24	2	727
57	PFAS IND	MORTON INTERNATIONAL INC	NEWARK CA	SW	0.29 / 1,552.05	-4	728
58	LUST	TNT INCORPORATED	38201 CHERRY STREET NEWARK CA 94560 ***Global ID | Status:*** T0600101372 | Completed - Case Closed	E	0.29 / 1,555.92	4	729
58	DELISTED HAZ	Safety-Kleen of California, Inc.	38201 CHERRY ST NEWARK CA 94560	E	0.29 / 1,555.92	4	737
58	CONT ALAMEDA	TNT INCORPORATED	38201 CHERRY STREET NEWARK CA 94560	E	0.29 / 1,555.92	4	737
59	LUST	FERMA CORPORATION	6655 SMITH AVE NEWARK CA 94560 ***Global ID | Status:*** T0600101911 | Completed - Case Closed	ESE	0.30 / 1,608.92	3	738
59	SWF/LF	Gray Truck Company	6655 Smith Ave Newark CA 94560	ESE	0.30 / 1,608.92	3	751
59	CONT ALAMEDA	FERMA CORPORATION	6655 SMITH AVE NEWARK CA 94560	ESE	0.30 / 1,608.92	3	751
59	CONT ALAMEDA	FERMA CORPORATION	6655 SMITH AVE. NEWARK CA 94560	ESE	0.30 / 1,608.92	3	752
60	DELISTED HAZ	SWT Chemical Storage Tanks located at Evergreen Oil, Inc	6882 SMITH AVENUE NEWARK CA 94560	ESE	0.31 / 1,610.41	1	752
61	PFAS IND	EVERGREEN OIL INC	NEWARK CA	ESE	0.31 / 1,647.74	0	752
62	MRDS	LESLIE SALT CO	ALAMEDA COUNTY NEWARK CA 94560 ***Dep ID:*** 10235104	SW	0.33 / 1,739.02	-4	753

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63	ENVIROSTOR	LTD CERAMICS, INC.	7411 CENTRAL AVENUE NEWARK CA 94560	WSW	0.34 / 1,797.33	-1	753
			***Estor/EPA ID	Cleanup Status:*** 71003345 | INACTIVE - NEEDS EVALUATION AS OF 5/4/2000			
64	CONT ALAMEDA	NORDSTROM DISTRIBUTION CENTER #499	37599 FILBERT ST NEWARK CA 94560	W	0.34 / 1,801.35	-1	754
65	PFAS IND	SPECTRUM INK CO	NEWARK CA	SW	0.34 / 1,809.60	-5	755
66	CLEANUP SITES	MORTON INTERNATIONAL, INC.	7380 MORTON AVENUE NEWARK CA 94560	SW	0.34 / 1,813.06	-4	756
			Global ID: T10000011008				
66	SWF/LF	Morton International	7380 Morton Ave Newark CA 94560	SW	0.34 / 1,813.06	-4	764
66	CONT ALAMEDA	MORTON INTERNATIONAL, INC.	7380 MORTON AVENUE NEWARK CA 94560	SW	0.34 / 1,813.06	-4	765
67	LUST	UPS FREIGHT- NEWARK TERMINAL	6700 SMITH AVE NEWARK CA 94560	ESE	0.34 / 1,814.35	3	765
			***Global ID	Status:*** T0600138629 | Completed - Case Closed			
67	CONT ALAMEDA	UPS FREIGHT- NEWARK TERMINAL	6700 SMITH AVE NEWARK CA 94560	ESE	0.34 / 1,814.35	3	770
68	CONT ALAMEDA	SERVICE CENTER, CITY OF NEWARK	37440 FILBERT ST. NEWARK CA 94560	W	0.34 / 1,820.36	1	771
69	PFAS IND	INX INTERNATIONAL INK CO.	NEWARK CA	SW	0.35 / 1,838.17	-6	771
70	INSP COMP ENF	FERMA GREENBOX INC	6655 A SMITH AVE STE C NEWARK CA 94560	ESE	0.35 / 1,848.42	3	772
71	DELISTED HAZ	AHG Group LLC	6587 SMITH AVE NEWARK CA 94560	E	0.35 / 1,865.86	2	772
71	C&D DEBRIS RECY	WESTERN PACIFIC PULP AND PAPER	6587 SMITH AVE NEWARK CA 94560	E	0.35 / 1,865.86	2	772

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72	PFAS IND	OATEY CO	NEWARK CA	E	0.36 / 1,875.40	2	772
73	MRDS	NEWARK EVAPORATION PONDS	ALAMEDA COUNTY NEWARK CA 94560 ***Dep ID:*** 10256187	SW	0.36 / 1,898.39	-4	773
74	CERCLIS	EVERGREEN OIL INC.	6880 SMITH ST. NEWARK CA 94560 ***Site EPA ID:*** CAD980887418	ESE	0.38 / 1,984.88	2	774
74	CERCLIS NFRAP	EVERGREEN OIL INC.	6880 SMITH ST. NEWARK CA 94560 ***Site EPA ID:*** CAD980887418	ESE	0.38 / 1,984.88	2	775
74	RCRA TSD	SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 94560-0000 ***EPA Handler ID:*** CAD980887418	ESE	0.38 / 1,984.88	2	776
74	RCRA CORRACTS	SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 94560-0000 ***EPA Handler ID:*** CAD980887418	ESE	0.38 / 1,984.88	2	895
74	INSP COMP ENF	SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 94560	ESE	0.38 / 1,984.88	2	1021
74	ENVIROSTOR	SAFETY-KLEEN OF CALIFORNIA	6880 SMITH AVE NEWARK CA 945600000 ***Estor/EPA ID | Cleanup Status:*** 80001757 | ACTIVE AS OF 11/22/2004	ESE	0.38 / 1,984.88	2	1028
74	ENVIROSTOR	SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 945600000 ***Estor/EPA ID | Cleanup Status:*** CAD980887418 |	ESE	0.38 / 1,984.88	2	1038
74	HWP	SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 945600000 ***Estor/EPA ID | Cleanup Status:*** CAD980887418 |	ESE	0.38 / 1,984.88	2	1046
74	SEMS ARCHIVE	EVERGREEN OIL INC.	6880 SMITH ST. NEWARK CA 94560 ***EPA ID:*** CAD980887418	ESE	0.38 / 1,984.88	2	1054
74	PCB	EVERGREEN ENVIRONMENTAL SERVICES	6880 SMITH AVE NEWARK CA 94560 ***Site ID:*** CAD982413262	ESE	0.38 / 1,984.88	2	1054
74	PCB	EVERGREEN ENVIRONMENTAL SRVCS	6880 SMITH AVENUE NEWARK CA 94560	ESE	0.38 / 1,984.88	2	1055

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			Site ID: CA0001118827				
74	C&D DEBRIS RECY	SAFETY-KLEEN OF CALIFORNIA	6880 SMITH AVE NEWARK CA 94560	ESE	0.38 / 1,984.88	2	1055
74	HAZ TSD	SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	2	1055
74	HAZ TSD	EVERGREEN ENVIRONMENTAL SERVICES	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	2	1055
75	VCP	POMEGRANATE PROPERTY	6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE NEWARK CA 94560	NE	0.39 / 2,065.51	5	1056
			Estor/EPA ID | Cleanup Status: 60003107 | NO FURTHER ACTION AS OF 9/30/2021				
75	ENVIROSTOR	POMEGRANATE PROPERTY	6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE NEWARK CA 94560	NE	0.39 / 2,065.51	5	1058
			Estor/EPA ID | Cleanup Status: 60003107 | NO FURTHER ACTION AS OF 9/30/2021				
76	ENVIROSTOR	A O SMITH CORPORATION	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.40 / 2,118.73	2	1059
			Estor/EPA ID | Cleanup Status: 01360027 | REFER: OTHER AGENCY AS OF 9/27/2002				
77	CLEANUP SITES	EUROPEAN AUTO WRECKING	7324 WELLS AVENUE NEWARK CA 94560	WNW	0.41 / 2,172.17	1	1060
			Global ID: SL0600161190				
77	CONT ALAMEDA	EUROPEAN AUTO WRECKING	7324 WELLS AVENUE NEWARK CA 94560	WNW	0.41 / 2,172.17	1	1064
78	DELISTED HAZ	NEWARK RADIATOR SERVICE	37350 FILBERT ST NEWARK CA 94560	W	0.41 / 2,175.53	-1	1064
79	CLEANUP SITES	SMITH (A.O.) WATER PRODUCTS	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.41 / 2,179.35	1	1064
			Global ID: SL0600106796				
79	CONT ALAMEDA	SMITH (A.O.) WATER PRODUCTS	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.41 / 2,179.35	1	1074
79	CALSITES	A O SMITH CORPORATION	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.41 / 2,179.35	1	1074

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
80	CLEANUP SITES	OATEY COMPANY	6600 SMITH AVE NEWARK CA 94560 ***Global ID:*** T0600145392	ESE	0.43 / 2,262.35	5	1075
80	CONT ALAMEDA	OATEY CORP	6600 SMITH AVE NEWARK CA 94560	ESE	0.43 / 2,262.35	5	1080
80	CONT ALAMEDA	OATEY COMPANY	6600 SMITH AVE NEWARK CA 94560	ESE	0.43 / 2,262.35	5	1080
81	RCRA TSD	SAN MATEO COUNTY TRANSIT DISTRICT	LAT/LONG_USED NEWARK CA 94560 ***EPA Handler ID:*** CAC003020504	NNE	0.45 / 2,379.96	6	1080
81	RCRA TSD	PG&E PROJECTS I-477	LAT/LONG_USED NEWARK CA 94560 ***EPA Handler ID:*** CAC003019529	NNE	0.45 / 2,379.96	6	1081
81	RCRA TSD	UNION PACIFIC RAILROAD	LAT/LONG_USED NEWARK CA 94560 ***EPA Handler ID:*** CAC003018603	NNE	0.45 / 2,379.96	6	1082
82	CERCLIS	THORO SYSTEMS PRODUCTS NEWARK	38403 CHERRY ST NEWARK CA 94560 ***Site EPA ID:*** CAD066572363	E	0.45 / 2,388.81	3	1083
82	CERCLIS NFRAP	THORO SYSTEMS PRODUCTS NEWARK	38403 CHERRY ST NEWARK CA 94560 ***Site EPA ID:*** CAD066572363	E	0.45 / 2,388.81	3	1085
82	RCRA CORRACTS	BASF CORPORATION	38403 CHERRY ST NEWARK CA 94560 ***EPA Handler ID:*** CAD066572363	E	0.45 / 2,388.81	3	1086
82	LUST	THORO SYSTEM PRODUCTS	38403 CHERRY ST NEWARK CA 94560 ***Global ID | Status:*** T0600101360 | Completed - Case Closed	E	0.45 / 2,388.81	3	1089
82	LOP ALAMEDA	ICI THORO SYSTEMS PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	3	1096
82	ENVIROSTOR	STANDARD DRY WALL PRODUCTS	38403 CHERRY ST NEWARK CA 945600000 ***Estor/EPA ID | Cleanup Status:*** 80001456 | NO FURTHER ACTION AS OF 2/17/2011	E	0.45 / 2,388.81	3	1096
82	ENVIROSTOR	STANDARD DRY WALL PRODUCTS	38403 CHERRY ST NEWARK CA 945600000	E	0.45 / 2,388.81	3	1097

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Estor/EPA ID	Cleanup Status:*** CAD066572363 |			
82	HWP	STANDARD DRY WALL PRODUCTS	38403 CHERRY ST NEWARK CA 945600000	E	0.45 / 2,388.81	3	1098
			***Estor/EPA ID	Cleanup Status:*** CAD066572363 |			
82	SEMS ARCHIVE	THORO SYSTEMS PRODUCTS NEWARK	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	3	1099
			EPA ID: CAD066572363				
82	CONT ALAMEDA	THORO SYSTEM PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	3	1099
82	CONT ALAMEDA	ICI THORO SYSTEMS PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	3	1099
83	RCRA TSD	VU, DAVID	6105 ROBERTSON AVENUE NEWARK CA 94560	NE	0.46 / 2,448.05	8	1100
			EPA Handler ID: CAC003010461				
84	DELISTED HAZ	OLIVE AUTO REPAIR	37049 OLIVE ST NEWARK CA 94560	NW	0.47 / 2,456.01	3	1101
85	DELISTED HAZ	Tesla Distribution Center - Newark	38503 CHERRY ST STE I NEWARK CA 94560	ESE	0.49 / 2,563.54	2	1101
85	C&D DEBRIS RECY	AHG RECYCLING	38503 CHERRY ST STE R NEWARK CA 94560	ESE	0.49 / 2,563.54	2	1101
86	PFAS IND	A O SMITH CORP	NEWARK CA	WNW	0.49 / 2,570.65	1	1101
87	PFAS IND	BASF CORPORATION	NEWARK CA	E	0.49 / 2,574.22	4	1102
88	RCRA CORRACTS	PETERBILT MOTORS CO	38801 CHERRY ST NEWARK CA 94560	ESE	0.71 / 3,739.98	4	1103
			EPA Handler ID: CAD009120734				
88	ENVIROSTOR	PACCAR INC	38801 CHERRY STREET NEWARK CA 945600000	ESE	0.71 / 3,739.98	4	1106
			***Estor/EPA ID	Cleanup Status:*** CAD009120734 |			
88	ENVIROSTOR	PACCAR INC	38801 CHERRY STREET NEWARK CA 945600000	ESE	0.71 / 3,739.98	4	1107

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			***Estor/EPA ID	Cleanup Status:*** 80001595 | REFER: RWQCB AS OF 6/8/1994			
88	HWP	PACCAR INC	38801 CHERRY STREET NEWARK CA 945600000	ESE	0.71 / 3,739.98	4	1108
			***Estor/EPA ID	Cleanup Status:*** CAD009120734 |			
88	ENVIROSTOR	PETERBUILT MOTORS	38801 CHERRY STREET NEWARK CA 94560	ESE	0.71 / 3,739.98	4	1109
			***Estor/EPA ID	Cleanup Status:*** 01500034 | REFER: RWQCB AS OF 6/8/1994			
89	RESPONSE	HOLLAND OIL	8130 ENTERPRISE DRIVE NEWARK CA 94560	WSW	0.82 / 4,351.59	-5	1111
			***Estor/EPA ID	Cleanup Status:*** 01290019 | CERTIFIED AS OF 1/1/1985			
89	ENVIROSTOR	ABE OIL INC	8130 ENTERPRISE DR NEWARK CA 945600000	WSW	0.82 / 4,351.59	-5	1112
			***Estor/EPA ID	Cleanup Status:*** CAT080013360 |			
89	HWP	ABE OIL INC	8130 ENTERPRISE DR NEWARK CA 945600000	WSW	0.82 / 4,351.59	-5	1113
			***Estor/EPA ID	Cleanup Status:*** CAT080013360 |			
89	ENVIROSTOR	HOLLAND OIL	8130 ENTERPRISE DRIVE NEWARK CA 94560	WSW	0.82 / 4,351.59	-5	1113
			***Estor/EPA ID	Cleanup Status:*** 01290019 | CERTIFIED AS OF 1/1/1985			
90	ENVIROSTOR	TIMBER STREET PROPERTY	37855, 37875 TIMBER STREET/38000, 38100, 38200, CEDAR BLVD NEWARK CA 94560	NE	0.89 / 4,676.90	14	1115
			***Estor/EPA ID	Cleanup Status:*** 60001995 | NO FURTHER ACTION AS OF 12/18/2014			
91	ENVIROSTOR	CERRO METAL PRODUCTS COMPANY	6707 MOWRY AVENUE NEWARK CA 94560	ESE	0.90 / 4,741.55	1	1119
			***Estor/EPA ID	Cleanup Status:*** 01330035 | REFER: RWQCB AS OF 9/13/2013			

Executive Summary: Summary by Data Source

Standard

Federal

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Jan 26, 2024 has found that there are 2 SEMS site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNION PACIFIC VERMICULITE RAIL SPUR	6851 SMITH AVE NEWARK CA 94560 ***EPA ID**: CAN000905932*	ESE	0.28 / 1,478.89	55
STEELER, INC. DRYWALL CONSTRUCTION SUPPLY	6851 SMITH AVE NEWARK CA 94560 ***EPA ID**: CAD981389653*	ESE	0.28 / 1,478.89	55

SEMS ARCHIVE - SEMS List 8R Archive Sites

A search of the SEMS ARCHIVE database, dated Jan 26, 2024 has found that there are 4 SEMS ARCHIVE site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FULLER H B CO	6925 CENTRAL AVE NEWARK CA 94560 ***EPA ID**: CAD046414694*	W	0.04 / 226.40	16
COLUMBUS COATED FABRICS	38083 CHERRY ST NEWARK CA 94560 ***EPA ID**: CAD045291192*	E	0.21 / 1,110.27	44
EVERGREEN OIL INC.	6880 SMITH ST. NEWARK CA 94560 ***EPA ID**: CAD980887418*	ESE	0.38 / 1,984.88	74
THORO SYSTEMS PRODUCTS NEWARK	38403 CHERRY ST NEWARK CA 94560 ***EPA ID**: CAD066572363*	E	0.45 / 2,388.81	82

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 6 CERCLIS site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FULLER H B CO	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	16

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Site EPA ID**: CAD046414694*			
COLUMBUS COATED FABRICS	38083 CHERRY ST NEWARK CA 94560	E	0.21 / 1,110.27	44
	***Site EPA ID**: CAD045291192*			
UNION PACIFIC VERMICULITE RAIL SPUR	6851 SMITH AVE NEWARK CA 94560	ESE	0.28 / 1,478.89	55
	***Site EPA ID**: CAN000905932*			
STEELER, INC. DRYWALL CONSTRUCTION SUPPLY	6851 SMITH AVE NEWARK CA 94560	ESE	0.28 / 1,478.89	55
	***Site EPA ID**: CAD981389653*			
EVERGREEN OIL INC.	6880 SMITH ST. NEWARK CA 94560	ESE	0.38 / 1,984.88	74
	***Site EPA ID**: CAD980887418*			
THORO SYSTEMS PRODUCTS NEWARK	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82
	***Site EPA ID**: CAD066572363*			

CERCLIS NFRAP - CERCLIS - No Further Remedial Action Planned

A search of the CERCLIS NFRAP database, dated Oct 25, 2013 has found that there are 4 CERCLIS NFRAP site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FULLER H B CO	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	16
	***Site EPA ID**: CAD046414694*			
COLUMBUS COATED FABRICS	38083 CHERRY ST NEWARK CA 94560	E	0.21 / 1,110.27	44
	***Site EPA ID**: CAD045291192*			
EVERGREEN OIL INC.	6880 SMITH ST. NEWARK CA 94560	ESE	0.38 / 1,984.88	74
	***Site EPA ID**: CAD980887418*			
THORO SYSTEMS PRODUCTS NEWARK	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82
	***Site EPA ID**: CAD066572363*			

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Jan 1, 2024 has found that there are 3 RCRA CORRACTS site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 94560-0000	ESE	0.38 / 1,984.88	74

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***EPA Handler ID**: CAD980887418*			
BASF CORPORATION	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82
	***EPA Handler ID**: CAD066572363*			
PETERBILT MOTORS CO	38801 CHERRY ST NEWARK CA 94560	ESE	0.71 / 3,739.98	88
	***EPA Handler ID**: CAD009120734*			

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Jan 1, 2024 has found that there are 9 RCRA TSD site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ARCH MIRROR WEST	6792 CENTRAL AVENUE NEWARK CA 94560	N	0.00 / 0.00	2
	***EPA Handler ID**: CAD981385727*			
MATHESON - NEWARK, CA	6775 CENTRAL AVENUE NEWARK CA 94560	NNW	0.06 / 301.48	18
	***EPA Handler ID**: CAD053046959*			
GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE	37600 SYCAMORE ST NEWARK CA 94560	WNW	0.12 / 644.83	27
	***EPA Handler ID**: CAL000417841*			
MANKANG MAI	6925 BAINE AVENUE NEWARK CA 94560	NW	0.29 / 1,538.24	56
	***EPA Handler ID**: CAC003007919*			
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 94560-0000	ESE	0.38 / 1,984.88	74
	***EPA Handler ID**: CAD980887418*			
SAN MATEO COUNTY TRANSIT DISTRICT	LAT/LONG_USED NEWARK CA 94560	NNE	0.45 / 2,379.96	81
	***EPA Handler ID**: CAC003020504*			
PG&E PROJECTS I-477	LAT/LONG_USED NEWARK CA 94560	NNE	0.45 / 2,379.96	81
	***EPA Handler ID**: CAC003019529*			
UNION PACIFIC RAILROAD	LAT/LONG_USED NEWARK CA 94560	NNE	0.45 / 2,379.96	81
	***EPA Handler ID**: CAC003018603*			
VU, DAVID	6105 ROBERTSON AVENUE NEWARK CA 94560	NE	0.46 / 2,448.05	83
	***EPA Handler ID**: CAC003010461*			

RCRA LQG - RCRA Generator List

A search of the RCRA LQG database, dated Jan 1, 2024 has found that there are 5 RCRA LQG site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MILPRINT PACKAGING	6590 CENTRAL AVE. NEWARK CA 94560 ***EPA Handler ID**: CAD009120866*	NE	0.05 / 272.32	17
MATHESON - NEWARK, CA	6775 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID**: CAD053046959*	NNW	0.06 / 301.48	18
BRITECH ELECTROPOLISHING INC	6821 CENTRAL AVENUE STE A NEWARK CA 94560-0000 ***EPA Handler ID**: CAR000176883*	NW	0.06 / 315.29	19
FORMER UNOCAL 306429	6800 ROBERTSON AVE NEWARK CA 94560 ***EPA Handler ID**: CAD097071047*	ESE	0.15 / 799.43	34

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7220 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID**: CAD009134438*	SW	0.11 / 554.63	23

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jan 1, 2024 has found that there are 8 RCRA SQG site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TRI-CITY MARBLE	6756 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAR000144816*	ENE	0.00 / 0.00	1
ARCH MIRROR WEST	6792 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID**: CAD981385727*	N	0.00 / 0.00	2
PABCO BUILDING PRODUCTS LLC	37851 CHERRY ST NEWARK CA 94560-4348 ***EPA Handler ID**: CAR000146217*	ENE	0.02 / 90.03	14
TIRE DISTRIBUTION SYSTEMS INC	6995 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAP000068965*	W	0.10 / 528.23	22
MAACO	6565 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAR000046482*	NNE	0.11 / 580.25	25

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOLECTRON CALIFORNIA BLDG 18	38083 CHERRY ST NEWARK CA 94560 ***EPA Handler ID**: CAD002465052*	E	0.21 / 1,110.27	44
DANS AUTO BODY & PAINT SHOP	37444 SYCAMORE ST APT 6 NEWARK CA 94560 ***EPA Handler ID**: CAD982040594*	NW	0.23 / 1,188.03	49
G M DEVELOPMENT NV LP CO	37444 SYCAMORE ST UNIT 7 NEWARK CA 94560 ***EPA Handler ID**: CAP000092791*	NW	0.23 / 1,188.03	49

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Jan 1, 2024 has found that there are 2 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ACWD NEWARK DESALINATION FACILITY	6833 REDEKER PLACE NEWARK CA 94560 ***EPA Handler ID**: CAL000269584*	SSE	0.01 / 72.15	12
WHITE CAP LTD	6691 CLARK AVE NEWARK CA 94560 ***EPA Handler ID**: CAR000353623*	NNW	0.21 / 1,110.20	43

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 1, 2024 has found that there are 38 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TDRA INDUSTRIES DBA VISION RECYCLING	6756 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000406666*	ENE	0.00 / 0.00	1
JAFFE WITKIN PROPERTIES	6756 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAC003034516*	ENE	0.00 / 0.00	1
PROLOGIS	6756 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAC003103659*	ENE	0.00 / 0.00	1
TRNCH PLATE RENTAL CO	6792 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000468008*	N	0.00 / 0.00	2
6756-6792 CENTRAL AVE. NEWARK CA LLC	6756-6792 CENTRAL AVE. NEWARK CA 94560 ***EPA Handler ID**: CAC003163052*	N	0.00 / 0.00	2

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
JAFEC USA INC	6799 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000447095*	N	0.01 / 47.84	11
PABCO BLDG PRODUCTS LLC-PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560-0000 ***EPA Handler ID**: CAD058775826*	ENE	0.02 / 90.03	14
MATHESON GAS	6925 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000375830*	W	0.04 / 226.40	16
H B FULLER CO	6925 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAD046414694*	W	0.04 / 226.40	16
MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000433219*	NE	0.05 / 272.32	17
PREVOST CAR (US)	6821 CENTRAL AVENUE NEWARK CA 94560 ***EPA Handler ID**: CAL000430023*	NW	0.06 / 315.29	19
VIVID INC	6995 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000454686*	W	0.10 / 528.23	22
GIANT BULL CUSTOM AUTO HOUSE.	6995 CENTRAL AVE UNIT C NEWARK CA 94560 ***EPA Handler ID**: CAC003078640*	W	0.10 / 528.23	22
GIANT BULL INC	6995 CENTRAL AVE UNIT C NEWARK CA 94560 ***EPA Handler ID**: CAC003105815*	W	0.10 / 528.23	22
GIANT BULL CUSTOM AUTO HOUSE	6995 CENTRAL AVE UNIT C NEWARK CA 94560 ***EPA Handler ID**: CAL000472500*	W	0.10 / 528.23	22
ALAMEDA COUNTY TRANSIT DISTRICT	37650 SYCAMORE ST NEWARK CA 94560-0000 ***EPA Handler ID**: CAL000341418*	WNW	0.11 / 578.06	24
PIOTEC AUTOWORKZ	37650 SYCAMORE ST UNIT 2 NEWARK CA 94560 ***EPA Handler ID**: CAL000429350*	WNW	0.11 / 578.06	24
ACC AUTO COLLISION CENTER INC	6565 CENTRAL AVE NEWARK CA 94560-3932 ***EPA Handler ID**: CAL000336154*	NNE	0.11 / 580.25	25

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE	37600 SYCAMORE ST NEWARK CA 94560 ***EPA Handler ID**: CAL000417841*	WNW	0.12 / 644.83	27
SILICON VALLEY MANUFACTURING INC	6520 CENTRAL AVE NEWARK CA 94560-3933 ***EPA Handler ID**: CAL000327105*	NNE	0.12 / 652.85	28
CROWN MANUFACTURING	37625 SYCAMORE ST NEWARK CA 94560 ***EPA Handler ID**: CAL000254563*	W	0.14 / 759.79	30
IRON MOUNTAIN	6730 REDEKER PLACE NEWARK CA 94560 ***EPA Handler ID**: CAC003215982*	ESE	0.15 / 777.58	31
IRON MOUNTAIN	6730 REDEKER PLACE NEWARK CA 94560 ***EPA Handler ID**: CAC003239292*	ESE	0.15 / 777.58	31
QUIETROCK BY PABCO GYPSUM	6800 REDEKER PL NEWARK CA 94560 ***EPA Handler ID**: CAL000436424*	ESE	0.15 / 799.43	34
GACHINA LANDSCAPE MANAGEMENT	6750 CLARK AVE NEWARK CA 94560 ***EPA Handler ID**: CAL000437053*	NNW	0.15 / 810.03	35
ARELLANO MOTORS	37555 SYCAMORE ST #9 NEWARK CA 94560 ***EPA Handler ID**: CAL000451620*	WNW	0.17 / 895.58	37
B E P NEWARK L P	38083 CHERRY ST NEWARK CA 94560 ***EPA Handler ID**: CAD045291192*	E	0.21 / 1,110.27	44
EDUARDO PEDREIRA	37818 LOBELIA DRIVE NEWARK CA 94560 ***EPA Handler ID**: CAC003000749*	NE	0.22 / 1,144.42	46
DELUXE MARBLE	37444 SYCAMORE ST STE 11A NEWARK CA 94560 ***EPA Handler ID**: CAL000409911*	NW	0.23 / 1,188.03	49
P&R AUTO REPAIR 3/26/13	37444 SYCAMORE ST STE 7 NEWARK CA 94560 ***EPA Handler ID**: CAL000447173*	NW	0.23 / 1,188.03	49
SAMUEL MACIAS	37444 SYCAMORE ST #2 NEWARK CA 94560 ***EPA Handler ID**: CAC003022349*	NW	0.23 / 1,188.03	49

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BRANDON AUTOMOTIVE	37444 SYCAMORE ST UNIT 15 NEWARK CA 94560 ***EPA Handler ID**: CAL000423791*	NW	0.23 / 1,188.03	49
K&S AUTOMOTIVE REPAIR	37444 SYCAMORE STREET STE 2 NEWARK CA 94560 ***EPA Handler ID**: CAC003219629*	NW	0.23 / 1,188.03	49
JOHN DSOUZA	38007 MANZANITA STREET NEWARK CA 94560 ***EPA Handler ID**: CAC003221738*	ENE	0.23 / 1,210.36	50

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
WERNER ENTERPRISES	7220 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAC003177115*	SW	0.11 / 554.63	23
CORPORATE EXPRESS	7091 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAR000200261*	WSW	0.17 / 905.98	38
CORPORATE EXPRESS	7091 CENTRAL AVE NEWARK CA 94560 ***EPA Handler ID**: CAP000195578*	WSW	0.17 / 905.98	38
SESAME	7300 CENTRAL AVE STE C NEWARK CA 94560 ***EPA Handler ID**: CAL000464251*	WSW	0.22 / 1,175.27	47

ERNS - Emergency Response Notification System

A search of the ERNS database, dated Feb 20, 2024 has found that there are 1 ERNS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	37851 CHERRY STREET NEWARK CA ***NRC Report No**: 645117*	ENE	0.02 / 90.03	14

State

RESPONSE - State Response Sites

A search of the RESPONSE database, dated Feb 15, 2024 has found that there are 1 RESPONSE site(s) within approximately 1.00 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
HOLLAND OIL	8130 ENTERPRISE DRIVE NEWARK CA 94560 ***Estor/EPA ID | Cleanup Status**: 01290019 | CERTIFIED AS OF 1/1/1985*	WSW	0.82 / 4,351.59	89

ENVIROSTOR - EnviroStor Database

A search of the ENVIROSTOR database, dated Feb 15, 2024 has found that there are 18 ENVIROSTOR site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY MIRROR, INC.	6792 CENTRAL AVENUE NEWARK CA 94560	N	0.00 / 0.00	2
	***Estor/EPA ID | Cleanup Status**: 71002777 | INACTIVE - NEEDS EVALUATION AS OF*			
H B FULLER COMPANY	6925 CENTRAL AVENUE NEWARK CA 94560	W	0.04 / 226.40	16
	***Estor/EPA ID | Cleanup Status**: 01280007 | REFER: RWQCB AS OF 12/17/2002*			
MATHESON TRI-GAS, INC.	6775 CENTRAL AVE NEWARK CA 945600000	NNW	0.06 / 301.48	18
	***Estor/EPA ID | Cleanup Status**: CAD053046959 |*			
COLUMBUS COATED FABRICS	38083 CHERRY STREET NEWARK CA 94560	E	0.21 / 1,110.36	45
	***Estor/EPA ID | Cleanup Status**: 01280013 | NO ACTION REQUIRED AS OF 6/1/1987*			
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	74
	***Estor/EPA ID | Cleanup Status**: CAD980887418 |*			
SAFETY-KLEEN OF CALIFORNIA	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	74
	***Estor/EPA ID | Cleanup Status**: 80001757 | ACTIVE AS OF 11/22/2004*			
POMEGRANATE PROPERTY	6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE NEWARK CA 94560 ***Estor/EPA ID | Cleanup Status**: 60003107 | NO FURTHER ACTION AS OF 9/30/2021*	NE	0.39 / 2,065.51	75
A O SMITH CORPORATION	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.40 / 2,118.73	76
	***Estor/EPA ID | Cleanup Status**: 01360027 | REFER: OTHER AGENCY AS OF 9/27/2002*			
STANDARD DRY WALL PRODUCTS	38403 CHERRY ST NEWARK CA 945600000	E	0.45 / 2,388.81	82
	***Estor/EPA ID | Cleanup Status**: 80001456 | NO FURTHER ACTION AS OF 2/17/2011*			
STANDARD DRY WALL PRODUCTS	38403 CHERRY ST NEWARK CA 945600000	E	0.45 / 2,388.81	82
	***Estor/EPA ID | Cleanup Status**: CAD066572363 |*			
PETERBUILT MOTORS	38801 CHERRY STREET NEWARK CA 94560	ESE	0.71 / 3,739.98	88
	***Estor/EPA ID | Cleanup Status**: 01500034 | REFER: RWQCB AS OF 6/8/1994*			
PACCAR INC	38801 CHERRY STREET NEWARK CA 945600000	ESE	0.71 / 3,739.98	88

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Estor/EPA ID*	*Cleanup Status*: CAD009120734 |**		
PACCAR INC	38801 CHERRY STREET NEWARK CA 945600000	ESE	0.71 / 3,739.98	88
	***Estor/EPA ID*	*Cleanup Status*: 80001595	REFER: RWQCB AS OF 6/8/1994**		
TIMBER STREET PROPERTY	37855, 37875 TIMBER STREET/38000, 38100, 38200, CEDAR BLVD NEWARK CA 94560	NE	0.89 / 4,676.90	90
	***Estor/EPA ID*	*Cleanup Status*: 60001995	NO FURTHER ACTION AS OF 12/18/2014**		
CERRO METAL PRODUCTS COMPANY	6707 MOWRY AVENUE NEWARK CA 94560	ESE	0.90 / 4,741.55	91
	***Estor/EPA ID*	*Cleanup Status*: 01330035	REFER: RWQCB AS OF 9/13/2013**		

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LTD CERAMICS, INC.	7411 CENTRAL AVENUE NEWARK CA 94560	WSW	0.34 / 1,797.33	63
	***Estor/EPA ID*	*Cleanup Status*: 71003345	INACTIVE - NEEDS EVALUATION AS OF 5/4/2000**		
HOLLAND OIL	8130 ENTERPRISE DRIVE NEWARK CA 94560	WSW	0.82 / 4,351.59	89
	***Estor/EPA ID*	*Cleanup Status*: 01290019	CERTIFIED AS OF 1/1/1985**		
ABE OIL INC	8130 ENTERPRISE DR NEWARK CA 945600000	WSW	0.82 / 4,351.59	89
	***Estor/EPA ID*	*Cleanup Status*: CAT080013360 |**		

SWF/LF - Solid Waste Information System (SWIS)

A search of the SWF/LF database, dated Feb 15, 2024 has found that there are 5 SWF/LF site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Vision Recycling	6756 Central Ave. Newark CA 94560	ENE	0.00 / 0.00	1
Earth Tones Mulch Company	6756 Central Ave. Newark CA 94560	ENE	0.00 / 0.00	1
Earthtones Mulch Company	6756 Central Avenue Newark CA 94560	ENE	0.00 / 0.00	1
	***Act Opl Status*	*Activity*: Closed	Chipping and Grinding Facility/Operation**		
Gray Truck Company	6655 Smith Ave Newark CA 94560	ESE	0.30 / 1,608.92	59

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Morton International	7380 Morton Ave Newark CA 94560	SW	0.34 / 1,813.06	66

HWP - EnviroStor Hazardous Waste Facilities

A search of the HWP database, dated Feb 15, 2024 has found that there are 5 HWP site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MATHESON TRI-GAS, INC.	6775 CENTRAL AVE NEWARK CA 945600000	NNW	0.06 / 301.48	18
	Estor/EPA ID* | *Cleanup Status: *CAD053046959* |			
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	74
	Estor/EPA ID* | *Cleanup Status: *CAD980887418* |			
STANDARD DRY WALL PRODUCTS	38403 CHERRY ST NEWARK CA 945600000	E	0.45 / 2,388.81	82
	Estor/EPA ID* | *Cleanup Status: *CAD066572363* |			
PACCAR INC	38801 CHERRY STREET NEWARK CA 945600000	ESE	0.71 / 3,739.98	88
	Estor/EPA ID* | *Cleanup Status: *CAD009120734* |			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ABE OIL INC	8130 ENTERPRISE DR NEWARK CA 945600000	WSW	0.82 / 4,351.59	89
	Estor/EPA ID* | *Cleanup Status: *CAT080013360* |			

C&D DEBRIS RECY - Construction and Demolition Debris Recyclers

A search of the C&D DEBRIS RECY database, dated Jun 20, 2018 has found that there are 4 C&D DEBRIS RECY site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VISION RECYCLING	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
WESTERN PACIFIC PULP AND PAPER	6587 SMITH AVE NEWARK CA 94560	E	0.35 / 1,865.86	71
SAFETY-KLEEN OF CALIFORNIA	6880 SMITH AVE NEWARK CA 94560	ESE	0.38 / 1,984.88	74

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AHG RECYCLING	38503 CHERRY ST STE R NEWARK CA 94560	ESE	0.49 / 2,563.54	85

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Nov 30, 2023 has found that there are 8 LUST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	14
	Global ID **|** ***Status***: *T0600101019*	*Completed - Case Closed*		
AC TRANSIT-NEWARK FACILITY	37650 SYCAMORE STREET NEWARK CA 94560	WNW	0.11 / 578.06	24
	Global ID **|** ***Status***: *T0600100022*	*Completed - Case Closed*		
TWO COUNT COMPANY	37590 SYCAMORE ST NEWARK CA 94560	WNW	0.17 / 912.93	39
	Global ID **|** ***Status***: *T0600101394*	*Completed - Case Closed*		
GRACE CONSTRUCTION PRODUCTS	6851 SMITH AVE NEWARK CA 94560	ESE	0.28 / 1,478.89	55
	Global ID **|** ***Status***: *T0600101890*	*Open - Verification Monitoring*		
TNT INCORPORATED	38201 CHERRY STREET NEWARK CA 94560	E	0.29 / 1,555.92	58
	Global ID **|** ***Status***: *T0600101372*	*Completed - Case Closed*		
FERMA CORPORATION	6655 SMITH AVE NEWARK CA 94560	ESE	0.30 / 1,608.92	59
	Global ID **|** ***Status***: *T0600101911*	*Completed - Case Closed*		
UPS FREIGHT- NEWARK TERMINAL	6700 SMITH AVE NEWARK CA 94560	ESE	0.34 / 1,814.35	67
	Global ID **|** ***Status***: *T0600138629*	*Completed - Case Closed*		
THORO SYSTEM PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82
	Global ID **|** ***Status***: *T0600101360*	*Completed - Case Closed*		

DELISTED LST - Delisted Leaking Storage Tanks

A search of the DELISTED LST database, dated Nov 30, 2023 has found that there are 2 DELISTED LST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
WITKIN AND JAFFE ENTERPRISES PROPERTY	6792 AND 6756 CENTRAL AVENUE NEWARK CA 94560	N	0.00 / 0.00	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LESLIE SALT COMPANY	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 11 HHSS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
PABCO GYPSUM	37851 CHERRY NEWARK CA 94560	ENE	0.02 / 90.03	14
H B FULLER CO	6925 CENTRAL AV NEWARK CA 94560	W	0.04 / 226.40	16
GUARDIAN PACKAGING CORP	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	17
MATHESON GAS PRODUCTS INC	6775 CENTRAL AVENUE NEWARK CA 94560	NNW	0.06 / 301.48	18
NEWARK DIVISION NO 6	37650 SYCAMORE STREET NEWARK CA 94550	WNW	0.11 / 578.06	24
NEWARK PLANT-CHERRY ST WAREHOU	37707 CHERRY STREET NEWARK CA 94560	NE	0.15 / 787.51	32
UNION OIL CO OF CA	6800 ROBERTSON AVENUE NEWARK CA 94560	ESE	0.15 / 799.43	34
TWO COUNT COMPANY INC	37590 SYCAMORE ST. NEWARK CA 94560	WNW	0.17 / 912.93	39

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
BUS SERVICE-DIVISION 6	39730 SYCAMORE STREET CENTRAL NEWARK CA 94560	WNW	0.01 / 46.27	10

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PLANT 2	7220 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 6 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE NEWARK CA	ENE	0.00 / 0.00	1
	***C C	Status**: A01-008-40599	ACTIVE* ***Tank ID**: 000001*		
BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE NEWARK CA	ENE	0.00 / 0.00	1
	***C C	Status**: I01-008-40599	INACTIVE* ***Tank ID**: 000002*		
PABCO GYPSUM	37851 CHERRY NEWARK CA	ENE	0.02 / 90.03	14
	***C C	Status**: I01-008-42399	INACTIVE* ***Tank ID**: 000003, 000002, 000001*		
TWO COUNT CO	37590 SYCAMORE NEWARK CA	WNW	0.17 / 912.93	39
	***C C	Status**: A01-008-86543	ACTIVE* ***Tank ID**: 000001*		
UNION OIL CO. OF CA	6800 ROBERTSON AVE NEWARK CA	ENE	0.20 / 1,079.65	42
	***C C	Status**: I01-008-65221	INACTIVE* ***Tank ID**: 000005*		
UNION OIL CO. OF CA	6800 ROBERTSON AVE NEWARK CA	ENE	0.20 / 1,079.65	42
	***C C	Status**: A01-008-65221	ACTIVE* ***Tank ID**: 000004, 000001, 000003, 000002*		

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 2 AST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PABCO GYPSUM - NEWARK	37851 CHERRY ST. NEWARK CA	ENE	0.02 / 90.03	14

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7220 CENTRAL AVE. NEWARK CA	SW	0.11 / 554.63	23

AST SWRCB - SWRCB Historical Aboveground Storage Tanks

A search of the AST SWRCB database, dated Dec 1, 2007 has found that there are 3 AST SWRCB site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PABCO GYPSUM	37851 CHERRY ST. NEWARK CA 94560-0405	ENE	0.02 / 90.03	14

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LESLIE SALT COMPANY	7220 CENTRAL AVE. NEWARK CA 94560	SW	0.11 / 554.63	23
CARGILL SALT	7220 CENTRAL AVE. NEWARK CA 94560	SW	0.11 / 554.63	23

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Jan 17, 2024 has found that there are 2 CERS TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Pabco Gypsum	37851 CHERRY ST NEWARK CA 94560 ***Site ID**: 54508*	ENE	0.02 / 90.03	14

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7220 CENTRAL AVE NEWARK CA 94560 ***Site ID**: 389366*	SW	0.11 / 554.63	23

DELISTED CTNK - Delisted California Environmental Reporting System (CERS) Tanks

A search of the DELISTED CTNK database, dated Jan 17, 2024 has found that there are 1 DELISTED CTNK site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CROWN MANUFACTURING COMPANY	37625 SYCAMORE ST. NEWARK CA 94560	W	0.14 / 759.79	30

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 10 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY CITIES METAL PRODUCTS	6756 CENTRAL AVE. NEWARK CA	ENE	0.00 / 0.00	1
PABCO GYPSUM	37851 CHERRY NEWARK CA	ENE	0.02 / 90.03	14
H B FULLER CO	6925 CENTRAL AV NEWARK CA	W	0.04 / 226.40	16
GUARDIAN PACKAGING CORP	6590 CENTRAL AVE NEWARK CA	NE	0.05 / 272.32	17
MATHESON GAS PRODUCTS, INC.	6775 CENTRAL AVENUE NEWARK CA	NNW	0.06 / 301.48	18
NEWARK DIVISION NO. 6	37650 SYCAMORE STREET NEWARK CA	WNW	0.11 / 578.06	24
NEWARK PLANT-CHERRY ST WAREHOU	37707 CHERRY STREET NEWARK CA	NE	0.15 / 787.51	32
UNION OIL CO. OF CA	6800 ROBERSTSON AVENUE NEWARK CA	ESE	0.15 / 799.43	34
TWO COUNT COMPANY, INC.	37590 SYCAMORE ST. NEWARK CA	WNW	0.17 / 912.93	39

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PLANT 2	7220 CENTRAL AVE NEWARK CA	SW	0.11 / 554.63	23

CALSITES - CALSITES Database

A search of the CALSITES database, dated May 1, 2004 has found that there are 3 CALSITES site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
H B FULLER COMPANY	6925 CENTRAL AVENUE NEWARK CA 94560	W	0.04 / 226.40	16
COLUMBUS COATED FABRICS	38083 CHERRY STREET NEWARK CA 94560	E	0.21 / 1,110.27	44
A O SMITH CORPORATION	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.41 / 2,179.35	79

VCP - Voluntary Cleanup Program

A search of the VCP database, dated Feb 15, 2024 has found that there are 1 VCP site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
POMEGRANATE PROPERTY	6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE NEWARK CA 94560 ***Estor/EPA ID | Cleanup Status**: 60003107 | NO FURTHER ACTION AS OF 9/30/2021*	NE	0.39 / 2,065.51	75

CLEANUP SITES - GeoTracker Cleanup Program Sites

A search of the CLEANUP SITES database, dated Nov 30, 2023 has found that there are 20 CLEANUP SITES site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY MIRROR INC	6756 CENTRAL AVE NEWARK CA 94560 ***Global ID**: T0600191526*	ENE	0.00 / 0.00	1
BAY MIRROR	6756 CENTRAL AVENUE NEWARK CA 94560 ***Global ID**: SL0600154538*	ENE	0.00 / 0.00	1
WITKIN AND JAFFE ENTERPRISES PROPERTY	6792 AND 6756 CENTRAL AVENUE NEWARK CA 94560 ***Global ID**: T10000013242*	N	0.00 / 0.00	2
PACIFIC COAST TRANSPORTATION SERVICES	37853 CHERRY ST NEWARK CA 94560 ***Global ID**: SL0600172614*	ENE	0.01 / 77.34	13
H. B. FULLER CO.	6925 CENTRAL AVE NEWARK CA 94560 ***Global ID**: SL18233651*	W	0.04 / 226.40	16
ALCAN PLASTIC PACKAGING PLANT	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	17

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Global ID**: SL0600139630*			
AMERICAN NATIONAL CAN	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	17
	***Global ID**: SL0600193943*			
MATHESON TRI-GAS, INC.	6775 CENTRAL AVENUE NEWARK CA 94560	NNW	0.06 / 301.48	18
	***Global ID**: SL0600104387*			
UNOCAL CHEMICALS	6800 ROBERTSON AVE NEWARK CA 94560	ESE	0.15 / 799.43	34
	***Global ID**: T0600101484*			
CELLCO PARTNERSHIP	37555 SYCAMORE STREET NEWARK CA 94560	WNW	0.17 / 895.58	37
	***Global ID**: SL0600101415*			
INTERNATIONAL PAPER COMPANY	38083 CHERRY ST NEWARK CA 94560	E	0.21 / 1,110.27	44
	***Global ID**: T0600100962*			
CHERRY PROPERTIES	37409 CHERRY NEWARK CA 94560	N	0.24 / 1,272.18	52
	***Global ID**: T06019735911*			
EUROPEAN AUTO WRECKING	7324 WELLS AVENUE NEWARK CA 94560	WNW	0.41 / 2,172.17	77
	***Global ID**: SL0600161190*			
SMITH (A.O.) WATER PRODUCTS	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.41 / 2,179.35	79
	***Global ID**: SL0600106796*			
OATEY COMPANY	6600 SMITH AVE NEWARK CA 94560	ESE	0.43 / 2,262.35	80
	***Global ID**: T0600145392*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7200 CENTRAL AVENUE NEWARK CA 94560	SW	0.11 / 554.63	23
	***Global ID**: SL0600192948*			
LESLIE SALT COMPANY	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23
	***Global ID**: T0600102192*			
REDWOOD LUMBER	7091 CENTRAL NEWARK CA 94560	WSW	0.17 / 905.98	38
	***Global ID**: SLT19771421*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
REDWOOD LUMBER COMPANY	7091 CENTRAL AVENUE NEWARK CA 94560 ***Global ID**: SL0600138208*	WSW	0.17 / 905.98	38
MORTON INTERNATIONAL, INC.	7380 MORTON AVENUE NEWARK CA 94560 ***Global ID**: T10000011008*	SW	0.34 / 1,813.06	66

County

LOP ALAMEDA - Alameda County - LOP Sites List

A search of the LOP ALAMEDA database, dated Jan 16, 2019 has found that there are 3 LOP ALAMEDA site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CHERRY PROPERTIES	37409 CHERRY ST NEWARK CA 94560	N	0.23 / 1,238.68	51
ICI THORO SYSTEMS PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
REDWOOD LUMBER	7091 CENTRAL AVE NEWARK CA 94560	WSW	0.17 / 905.98	38

CONT ALAMEDA - Alameda County Contaminated Sites

A search of the CONT ALAMEDA database, dated May 27, 2019 has found that there are 32 CONT ALAMEDA site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY MIRROR INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
BAY MIRROR	6756 CENTRAL AVENUE NEWARK CA 94560	ENE	0.00 / 0.00	1
PACIFIC COAST TRANSPORTATION SERVICES	37853 CHERRY ST NEWARK CA 94560	ENE	0.01 / 77.34	13
PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	14

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
H. B. FULLER CO.	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	16
ALCAN PLASTIC PACKAGING PLANT	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	17
AMERICAN NATIONAL CAN	6590 CENTRAL AVENUE NEWARK CA 94560	NE	0.05 / 272.32	17
MATHESON TRI-GAS, INC.	6775 CENTRAL AVENUE NEWARK CA 94560	NNW	0.06 / 301.48	18
AC TRANSIT-NEWARK FACILITY	37650 SYCAMORE STREET NEWARK CA 94560	WNW	0.11 / 578.06	24
CELLCO PARTNERSHIP	37555 SYCAMORE STREET NEWARK CA 94560	WNW	0.17 / 895.58	37
TWO COUNT COMPANY	37590 SYCAMORE ST NEWARK CA 94560	WNW	0.17 / 912.93	39
UNOCAL CHEMICALS	6800 ROBERTSON AVE NEWARK CA 94560	ENE	0.20 / 1,079.65	42
INTERNATIONAL PAPER COMPANY	38083 CHERRY ST NEWARK CA 94560	E	0.21 / 1,110.27	44
CHERRY PROPERTIES	37409 CHERRY NEWARK CA 94560	N	0.24 / 1,272.18	52
GRACE CONSTRUCTION PRODUCTS	6851 SMITH AVE NEWARK CA 94560	ESE	0.28 / 1,478.89	55
TNT INCORPORATED	38201 CHERRY STREET NEWARK CA 94560	E	0.29 / 1,555.92	58
FERMA CORPORATION	6655 SMITH AVE NEWARK CA 94560	ESE	0.30 / 1,608.92	59

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FERMA CORPORATION	6655 SMITH AVE. NEWARK CA 94560	ESE	0.30 / 1,608.92	59
UPS FREIGHT- NEWARK TERMINAL	6700 SMITH AVE NEWARK CA 94560	ESE	0.34 / 1,814.35	67
SERVICE CENTER, CITY OF NEWARK	37440 FILBERT ST. NEWARK CA 94560	W	0.34 / 1,820.36	68
EUROPEAN AUTO WRECKING	7324 WELLS AVENUE NEWARK CA 94560	WNW	0.41 / 2,172.17	77
SMITH (A.O.) WATER PRODUCTS	37171 SYCAMORE STREET NEWARK CA 94560	WNW	0.41 / 2,179.35	79
OATEY CORP	6600 SMITH AVE NEWARK CA 94560	ESE	0.43 / 2,262.35	80
OATEY COMPANY	6600 SMITH AVE NEWARK CA 94560	ESE	0.43 / 2,262.35	80
THORO SYSTEM PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82
ICI THORO SYSTEMS PRODUCTS	38403 CHERRY ST NEWARK CA 94560	E	0.45 / 2,388.81	82

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LESLIE SALT COMPANY	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23
CARGILL SALT	7200 CENTRAL AVENUE NEWARK CA 94560	SW	0.11 / 554.63	23
REDWOOD LUMBER COMPANY	7091 CENTRAL AVENUE NEWARK CA 94560	WSW	0.17 / 905.98	38

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
REDWOOD LUMBER	7091 CENTRAL NEWARK CA 94560	WSW	0.17 / 905.98	38
NORDSTROM DISTRIBUTION CENTER #499	37599 FILBERT ST NEWARK CA 94560	W	0.34 / 1,801.35	64
MORTON INTERNATIONAL, INC.	7380 MORTON AVENUE NEWARK CA 94560	SW	0.34 / 1,813.06	66

AST ALAMEDA - Alameda County Aboveground Storage Tanks

A search of the AST ALAMEDA database, dated May 2, 2022 has found that there are 3 AST ALAMEDA site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Pabco Gypsum	37851 CHERRY ST Newark CA	ENE	0.02 / 90.03	14
CROWN MANUFACTURING COMPANY	37625 SYCAMORE ST NEWARK CA	W	0.14 / 759.79	30

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7220 CENTRAL AVE NEWARK CA	SW	0.11 / 554.63	23

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Feb 9, 2024 has found that there are 18 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
REMODELING BY TCMNAINC.	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110066626798*	ENE	0.00 / 0.00	1
PROLOGIS	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110071060349*	ENE	0.00 / 0.00	1

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
JAFFE WITKIN PROPERTIES	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110070655499*	ENE	0.00 / 0.00	1
TDRA INDUSTRIES DBA VISION RECYCLING	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110070418431*	ENE	0.00 / 0.00	1
EDWARDS BAY AREA GRINDING	6756 CENTRAL AVE STE D NEWARK CA 94560 ***Registry ID**: 110065215145*	ENE	0.00 / 0.00	1
BAY MIRROR	6756 CENTRAL AVENUE NEWARK CA 94560 ***Registry ID**: 110066613070*	ENE	0.00 / 0.00	1
ALL GOOD PALLETSNA INC	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110066362313*	ENE	0.00 / 0.00	1
REMODELING BY TCM INC	6756 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110014460788*	ENE	0.00 / 0.00	1
6756-6792 CENTRAL AVE. NEWARK CA LLC	6756-6792 CENTRAL AVE. NEWARK CA 94560 ***Registry ID**: 110071226414*	N	0.00 / 0.00	2
TRNCH PLATE RENTAL CO	6792 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110066247001*	N	0.00 / 0.00	2
BAY MIRROR INC	6792 CENTRAL AVE. NEWARK CA 94560 ***Registry ID**: 110000483316*	N	0.00 / 0.00	2
JAFEC USA INC	6799 CENTRAL AVE NEWARK CA 94560 ***Registry ID**: 110070593363*	N	0.01 / 47.84	11
ACWD NEWARK DESALINATION FACILITY DISCHARGES TO OUTFALL E-14	6833 REDEKER NEWARK CA 94560 ***Registry ID**: 110066698577*	SSE	0.01 / 72.15	12
ALAMEDA COUNTY WATER DISTRICT NEWARK DESALINATION FACILITY	6833 REDEKER PL NEWARK CA 94560-4231 ***Registry ID**: 110038028817*	SSE	0.01 / 72.15	12
PACIFIC COAST TRANSPORTATION SERVICES	37853 CHERRY ST NEWARK CA 94560	ENE	0.01 / 77.34	13

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Registry ID**: 110065857558*			
PABCO BLDG PRODUCTS LLC-PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560-0000	ENE	0.02 / 90.03	14
	***Registry ID**: 110070442137*			
2395 ALAMEDA COUNTY WATER DISTRICT	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	14
	***Registry ID**: 110043368227*			
PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	14
	***Registry ID**: 110001163339*			

TRIS - Toxics Release Inventory (TRI) Program

A search of the TRIS database, dated Sep 20, 2023 has found that there are 3 TRIS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TRI-CITY MARBLE	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
ARCH MIRROR WEST	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	2
PABCO GYPSUM	37851 CHERRY STREET NEWARK CA 945604348	ENE	0.02 / 90.03	14

PFAS IND - PFAS Industry Sectors

A search of the PFAS IND database, dated Dec 4, 2023 has found that there are 18 PFAS IND site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BRITECH ELECTROPOLISHING INC	NEWARK CA	NNW	0.01 / 32.44	6
MATHESON TRI GAS NEWARK	NEWARK CA	NNW	0.01 / 32.76	7
BAY MIRROR INC	NEWARK CA	NNW	0.01 / 34.04	8
MILPRINT PACKAGING LLC	NEWARK CA	N	0.02 / 110.43	15

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MATHESON TRI-GAS INC - NEWARK BRANCH	NEWARK CA	NNW	0.06 / 320.62	20
CROWN MANUFACTURING	NEWARK CA	W	0.14 / 746.07	29
UNION OIL	NEWARK CA	ENE	0.20 / 1,059.87	41
J CAM FIBERGLASS	NEWARK CA	WNW	0.25 / 1,314.89	53
B E P NEWARK L P	NEWARK CA	ENE	0.25 / 1,335.31	54
EVERGREEN OIL INC	NEWARK CA	ESE	0.31 / 1,647.74	61
OATEY CO	NEWARK CA	E	0.36 / 1,875.40	72
A O SMITH CORP	NEWARK CA	WNW	0.49 / 2,570.65	86
BASF CORPORATION	NEWARK CA	E	0.49 / 2,574.22	87

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT NEWARK INDUSTRIAL STORMWATER	NEWARK CA	SSW	0.15 / 798.56	33
CARGILL SALT COMPANY	NEWARK CA	WSW	0.17 / 892.79	36
MORTON INTERNATIONAL INC	NEWARK CA	SW	0.29 / 1,552.05	57

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SPECTRUM INK CO	NEWARK CA	SW	0.34 / 1,809.60	65
INX INTERNATIONAL INK CO.	NEWARK CA	SW	0.35 / 1,838.17	69

PRP - Potentially Responsible Parties List

A search of the PRP database, dated Jan 26, 2024 has found that there are 1 PRP site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PABCO GYPSUM	37851 CHERRY ST NEWARK CA 94560 ***Site EPA ID**: UTD980962591*	ENE	0.02 / 90.03	14

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Aug 26, 2023 has found that there are 1 ICIS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BAY MIRROR INC	6792 CENTRAL AVE. NEWARK CA 94560 ***Registry ID**: 110000483316*	N	0.00 / 0.00	2

MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2016 has found that there are 2 MRDS site(s) within approximately 1.00miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LESLIE SALT CO	ALAMEDA COUNTY NEWARK CA 94560 ***Dep ID**: 10235104*	SW	0.33 / 1,739.02	62
NEWARK EVAPORATION PONDS	ALAMEDA COUNTY NEWARK CA 94560 ***Dep ID**: 10256187*	SW	0.36 / 1,898.39	73

PCB - Polychlorinated Biphenyl (PCB) Notifiers

A search of the PCB database, dated Oct 30, 2023 has found that there are 2 PCB site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
EVERGREEN ENVIRONMENTAL SRVCS	6880 SMITH AVENUE NEWARK CA 94560	ESE	0.38 / 1,984.88	74

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Site ID**: CA0001118827*			
EVERGREEN ENVIRONMENTAL SERVICES	6880 SMITH AVE NEWARK CA 94560	ESE	0.38 / 1,984.88	74
	***Site ID**: CAD982413262*			

State

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Dec 20, 2021 has found that there are 3 DRYCLEANERS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA	NE	0.05 / 272.32	17
MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA	NE	0.05 / 272.32	17
MISSION LINEN SUPPLY	37707 CHERRY ST NEWARK CA	NE	0.15 / 787.51	32

INSP COMP ENF - EnviroStor Inspection, Compliance, and Enforcement

A search of the INSP COMP ENF database, dated Nov 23, 2023 has found that there are 2 INSP COMP ENF site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
FERMA GREENBOX INC	6655 A SMITH AVE STE C NEWARK CA 94560	ESE	0.35 / 1,848.42	70
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 94560	ESE	0.38 / 1,984.88	74

CHMIRS - California Hazardous Material Incident Report System (CHMIRS)

A search of the CHMIRS database, dated Oct 16, 2023 has found that there are 3 CHMIRS site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Union Sanitary District	6792 Central Avenue Newark CA	N	0.00 / 0.00	2
	***Control No**	**Notified Date**: 07-4637 |*		

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UPRR	Newark Rail Yard/Central at Sycamore Newark CA 68179	WSW	0.01 / 30.92	5
	Control No* | *Notified Date: *1/16/200303:53:26 PM*			

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
PG&E	Sycamore St & Central Ave Newark CA	WNW	0.01 / 28.34	4
	Control No* | *Notified Date: *22-3707 | 6/29/2022 2:25:00 PM*			

HAZNET - Handlers from Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 15 HAZNET site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALL CITY TRUCKING INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
TENANT INTER.	6756 CENTRAL AVE STE F NEWARK CA 94560	ENE	0.00 / 0.00	1
EARTH TONE MULCH	6756 CENTRAL AVE NEWARK CA 945605922	ENE	0.00 / 0.00	1
EARTH TONES MULCH	6756 CENTRAL AVE NEWARK CA 945605922	ENE	0.00 / 0.00	1
BAY MIRROR INC	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	1
B H I PRODUCTS	6756 CENTRA AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	1
VISION RECYCLING-NEWARK	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
1X JAFFE WITKIN ENTERPRISES	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	1
1X MCGRATH RENT CORPORATION	6756 CENTRAL AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	1

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
DAY MIRROR INC	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	2
BAY MIRROR INC	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	2
JAFFE & WITKIN ENTERPRISES	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	2
KING TRUCK REPAIR	6754 CENTRAL AVE NEWARK CA 94560	NNE	0.00 / 0.00	3
CURA INK	6803 CENTRAL NEWARK CA 945600000	NW	0.01 / 45.42	9
PABCO BUILDING PRODUCTS LLC	37851 CHERRY ST NEWARK CA 945604348	ENE	0.02 / 90.03	14

HAZ GEN - Generators from Hazardous Waste Manifest Data

A search of the HAZ GEN database, dated Dec 31, 2017 has found that there are 11 HAZ GEN site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
D HILL TRUCKING	6756 CENTRAL AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	1
REMODELING BY TCM INC	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	1
ARCH MIRROR WEST A DIVISION OF ARCH	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	2
ALAMEDA COUNTY WATER DIST	6833 REDEKER PL NEWARK CA 94560	SSE	0.01 / 72.15	12
PACIFIC COAST BLDG PROD - PABCO GYPSUM	37853 CHERRY STREET NEWARK CA 958160000	ENE	0.01 / 77.34	13
TRUCK SHOP- NEWARK	37853 CHERRY ST NEWARK CA 945604348	ENE	0.01 / 77.34	13

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PACIFIC COAST BLDG PROD - TRUCK SHOP	37853 CHERRY STREET NEWARK CA 945600000	ENE	0.01 / 77.34	13
PABCO GYPSUM-NEWARK	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	14
PABCO GYPSUM	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	14
ROYAL TRUCKING	37851 CHERRY ST NEWARK CA 94560	ENE	0.02 / 90.03	14
PABCO BLDG PRODUCTS LLC-PABCO GYPSUM	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	14

HAZ TSD - TSDF from Hazardous Waste Manifest Data

A search of the HAZ TSD database, dated Dec 31, 2017 has found that there are 3 HAZ TSD site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SAFETY-KLEEN OF CALIFORNIA INC	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	74
EVERGREEN ENVIRONMENTAL SERVICES	6880 SMITH AVE NEWARK CA 945600000	ESE	0.38 / 1,984.88	74

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7220 CENTRAL AVE. NEWARK CA 945600000	SW	0.11 / 554.63	23

HIST MANIFEST - Historical Hazardous Waste Manifest Data

A search of the HIST MANIFEST database, dated Dec 31, 1992 has found that there are 5 HIST MANIFEST site(s) within approximately 0.02miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	6756 CENTRAL AVE NEWARK CA 945600000	ENE	0.00 / 0.00	1

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	6756 CENTRAL AVENUE NEWARK CA 945600000	ENE	0.00 / 0.00	1
	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	2
	6792 CENTRAL AVE NEWARK CA 945600000	N	0.00 / 0.00	2
	37851 CHERRY ST NEWARK CA 945600000	ENE	0.02 / 90.03	14

CDO/CAO - Cease and Desist Orders and Cleanup and Abatement Orders

A search of the CDO/CAO database, dated Dec 6, 2021 has found that there are 2 CDO/CAO site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
H.B. Fuller Co.	6925 Central Newark CA	W	0.04 / 226.40	16
H.B. Fuller Co.	6925 Central Newark CA	W	0.04 / 226.40	16

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Jan 17, 2024 has found that there are 11 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
JAFEC USA, Inc.	6799 CENTRAL AVE NEWARK CA 94560	N	0.01 / 47.84	11
ACWD DESALINATION FACILITY	6833 REDEKER PL NEWARK CA 94560	SSE	0.01 / 72.15	12
Matheson Tri-Gas, Inc.	6925 CENTRAL AVE NEWARK CA 94560	W	0.04 / 226.40	16
Mission Linen & Uniform Service	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	17

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Matheson Tri-Gas	6775 CENTRAL AVE. NEWARK CA 94560	NNW	0.06 / 301.48	18
MATHESON TRI-GAS, INC.	6775 CENTRAL AVE NEWARK CA 945600000	NNW	0.06 / 301.48	18
BRITECH ELECTROPOLISHING INC.	6821 CENTRAL AVE A NEWARK CA 94560	NW	0.06 / 315.29	19
D&D EQUIPMENT CO./FINE LINE SAWING	37651 SYCAMORE ST NEWARK CA 94560	WNW	0.08 / 397.77	21
ACC AUTO COLLISION CENTER INC	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	25
Giant Bull Custom Auto House	37600 SYCAMORE ST NEWARK CA 94560	WNW	0.12 / 644.83	27
Silicon Valley Manufacturing, Inc.	6520 CENTRAL AVE NEWARK CA 94560	NNE	0.12 / 652.85	28

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 10 DELISTED HAZ site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Acorn Trading Inc / dba Sunnyvale Trading	6821 CENTRAL AVE B NEWARK CA 94560	NW	0.06 / 315.29	19
ELITE RECYCLING SERVICES, LLC	6640 REDEKER PL NEWARK CA 94560	E	0.12 / 630.83	26
LOPEZ AUTO CLINIC	37444 SYCAMORE ST 15 NEWARK CA 94560	NW	0.23 / 1,188.03	49
Safety-Kleen of California, Inc.	38201 CHERRY ST NEWARK CA 94560	E	0.29 / 1,555.92	58
SWT Chemical Storage Tanks located at Evergreen Oil, Inc	6882 SMITH AVENUE NEWARK CA 94560	ESE	0.31 / 1,610.41	60

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AHG Group LLC	6587 SMITH AVE NEWARK CA 94560	E	0.35 / 1,865.86	71
OLIVE AUTO REPAIR	37049 OLIVE ST NEWARK CA 94560	NW	0.47 / 2,456.01	84
Tesla Distribution Center - Newark	38503 CHERRY ST STE I NEWARK CA 94560	ESE	0.49 / 2,563.54	85

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
FERAL PRODUCTIONS	7300 CENTRAL AVE A NEWARK CA 94560	WSW	0.22 / 1,175.46	48
NEWARK RADIATOR SERVICE	37350 FILBERT ST NEWARK CA 94560	W	0.41 / 2,175.53	78

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2020 has found that there are 32 EMISSIONS site(s) within approximately 0.25 miles of the project property.

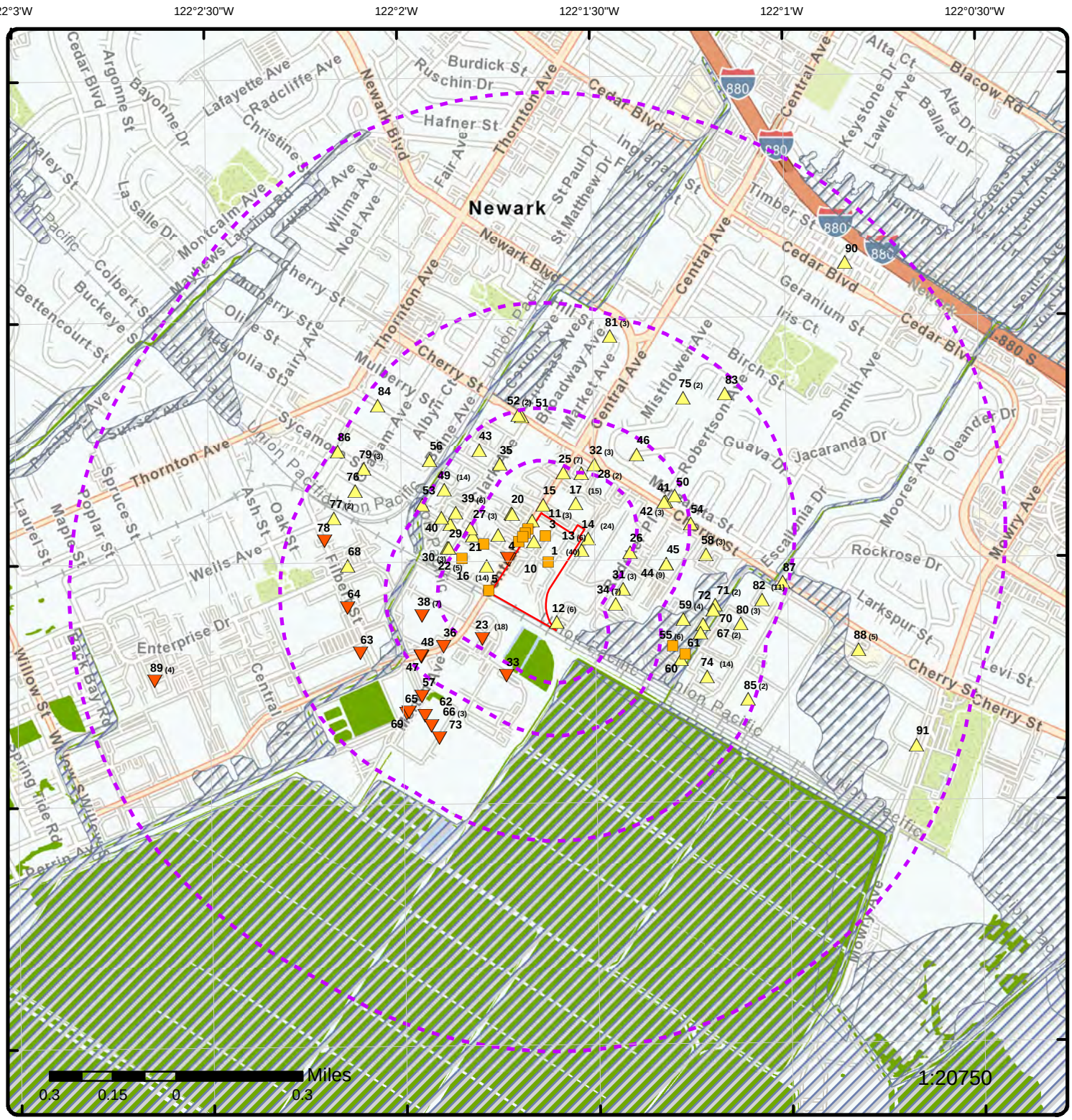
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
TRI CITY MARBLE	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
REMODELING BY TCM INC	6756 CENTRAL AVE NEWARK CA 94560	ENE	0.00 / 0.00	1
BAY MIRROR, INC	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	2
ARCH MIRROR WEST	6792 CENTRAL AVE NEWARK CA 94560	N	0.00 / 0.00	2
ALAMEDA COUNTY WATER DISTRICT	6833 REDEKER PLACE NEWARK CA 94560	SSE	0.01 / 72.15	12
PABCO GYPSUM	37851 CHERRY STREET NEWARK CA 94560	ENE	0.02 / 90.03	14

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
BEMIS FLEXIBLE PACKAGING-MILPR	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	17
MISSION LINEN SUPPLY	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	17
PECHINEY PLASTIC PACKAGING, IN	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	17
AMERICAN NATIONAL CAN COMPANY	6590 CENTRAL AVE NEWARK CA 94560	NE	0.05 / 272.32	17
MATHESON GAS PRODUCTS, INC	6775 CENTRAL AVE NEWARK CA 94560	NNW	0.06 / 301.48	18
MATHESON TRI-GAS, INC	6775 CENTRAL AVE NEWARK CA 94560	NNW	0.06 / 301.48	18
MATHESON GAS PRODUCTS	6775 CENTRAL AVE NEWARK CA 94560	NNW	0.06 / 301.48	18
ACC AUTO COLLISION CENTER	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	25
MAACO COLLISION REPAIR & AUTO	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	25
MAACO AUTO PAINTING	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	25
CHOICE AUTO BODY	6565 CENTRAL AVE NEWARK CA 94560	NNE	0.11 / 580.25	25
RECALL NORTH AMERICA	6730 REDEKER PLACE NEWARK CA 94560	ESE	0.15 / 777.58	31
ROHM & HAAS COMPANY	6800 ROBERTSON AVE NEWARK CA 94560	ESE	0.15 / 799.43	34

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNOCAL CHEMICALS DIVISION	6800 ROBERTSON AVE NEWARK CA 94560	ESE	0.15 / 799.43	34
FULL SPECTRUM INDUSTRIES, INC	37590 SYCAMORE ST NEWARK CA 94560	WNW	0.17 / 912.93	39
AL'S CUSTOM FINISHING INC	37537 SYCAMORE ST, STE B NEWARK CA 94560	WNW	0.19 / 1,025.05	40
INTERNATIONAL PAPER FC&L DIVIS	38083 CHERRY STREET NEWARK CA 94560	E	0.21 / 1,110.27	44
BUMPERS 2000	37444 SYCAMORE ST, SUITE 9 NEWARK CA 94560	NW	0.23 / 1,188.03	49
BUMPERS & PARTS, INC	37444 SYCAMORE ST, SUITE 9 NEWARK CA 94560	NW	0.23 / 1,188.03	49
J CAM FIBERGLASS	37444 SYCAMORE ST NEWARK CA 94560	NW	0.23 / 1,188.03	49
MILLIFLECT	37444 SYCAMORE ST NEWARK CA 94560	NW	0.23 / 1,188.03	49
DELUXE MARBLE	37444 SYCAMORE ST, STE 11 NEWARK CA 94560	NW	0.23 / 1,188.03	49
BAY MARBLE	37444 SYCAMORE ST, STE 11 NEWARK CA 94560	NW	0.23 / 1,188.03	49

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CARGILL SALT	7200 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23
CARGILL SALT	7220 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
LESLIE SALT CO	7220 CENTRAL AVE NEWARK CA 94560	SW	0.11 / 554.63	23



Map: 1.0 Mile Radius

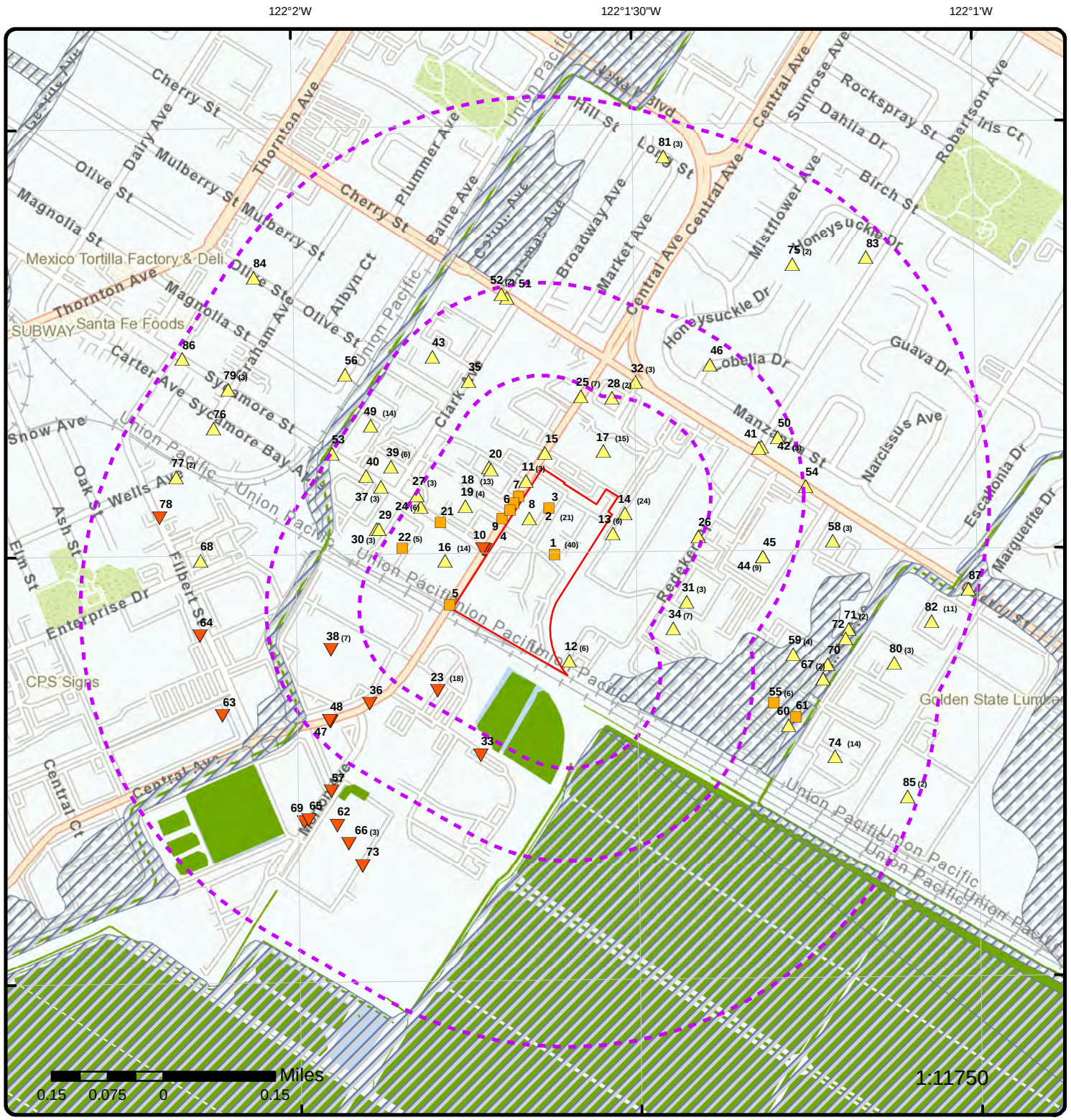
Order Number: 24040300724

Address: 6756 and 6792 Central Avenue, Newark, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.5 Mile Radius

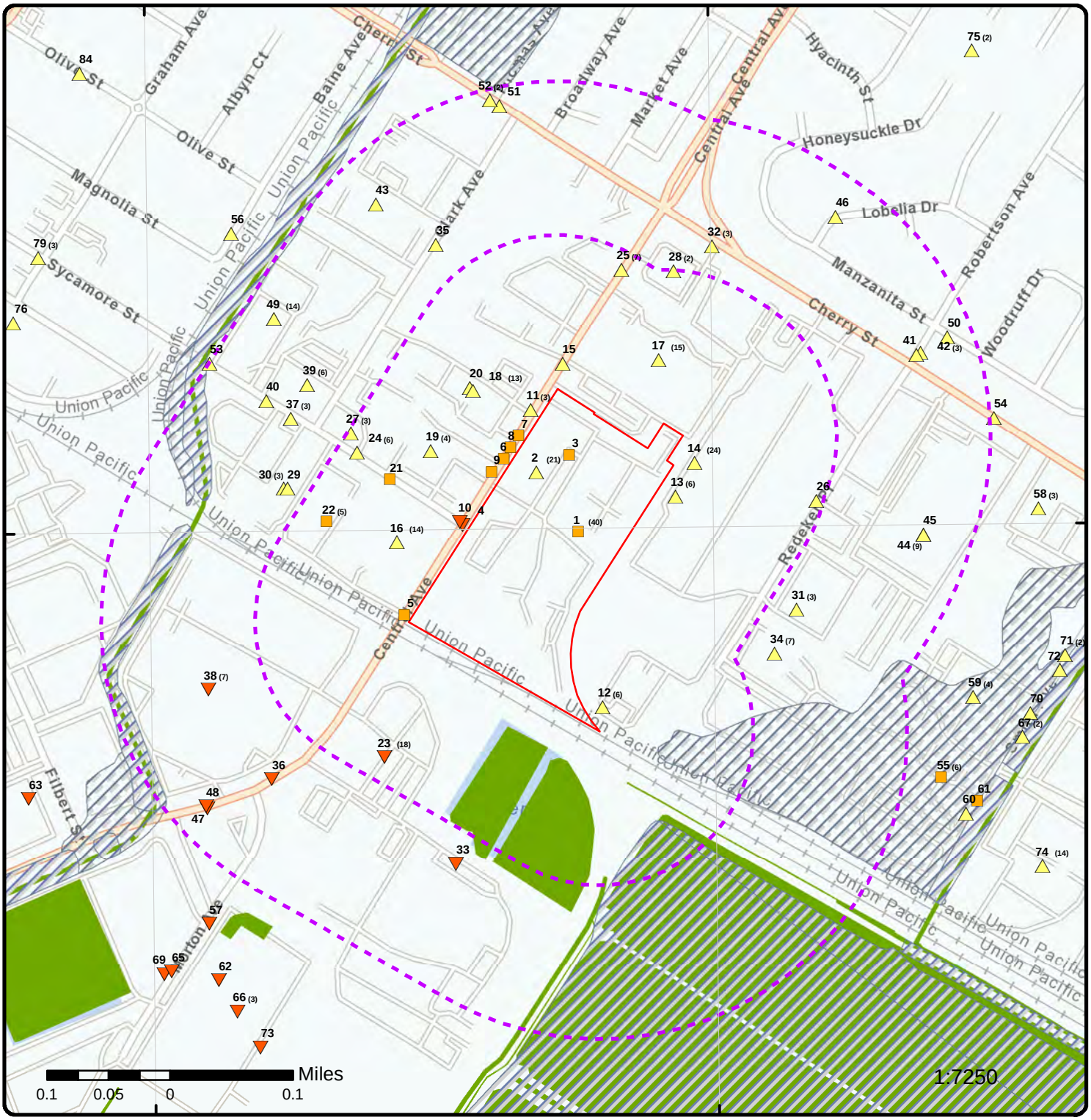
Order Number: 24040300724

Address: 6756 and 6792 Central Avenue, Newark, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

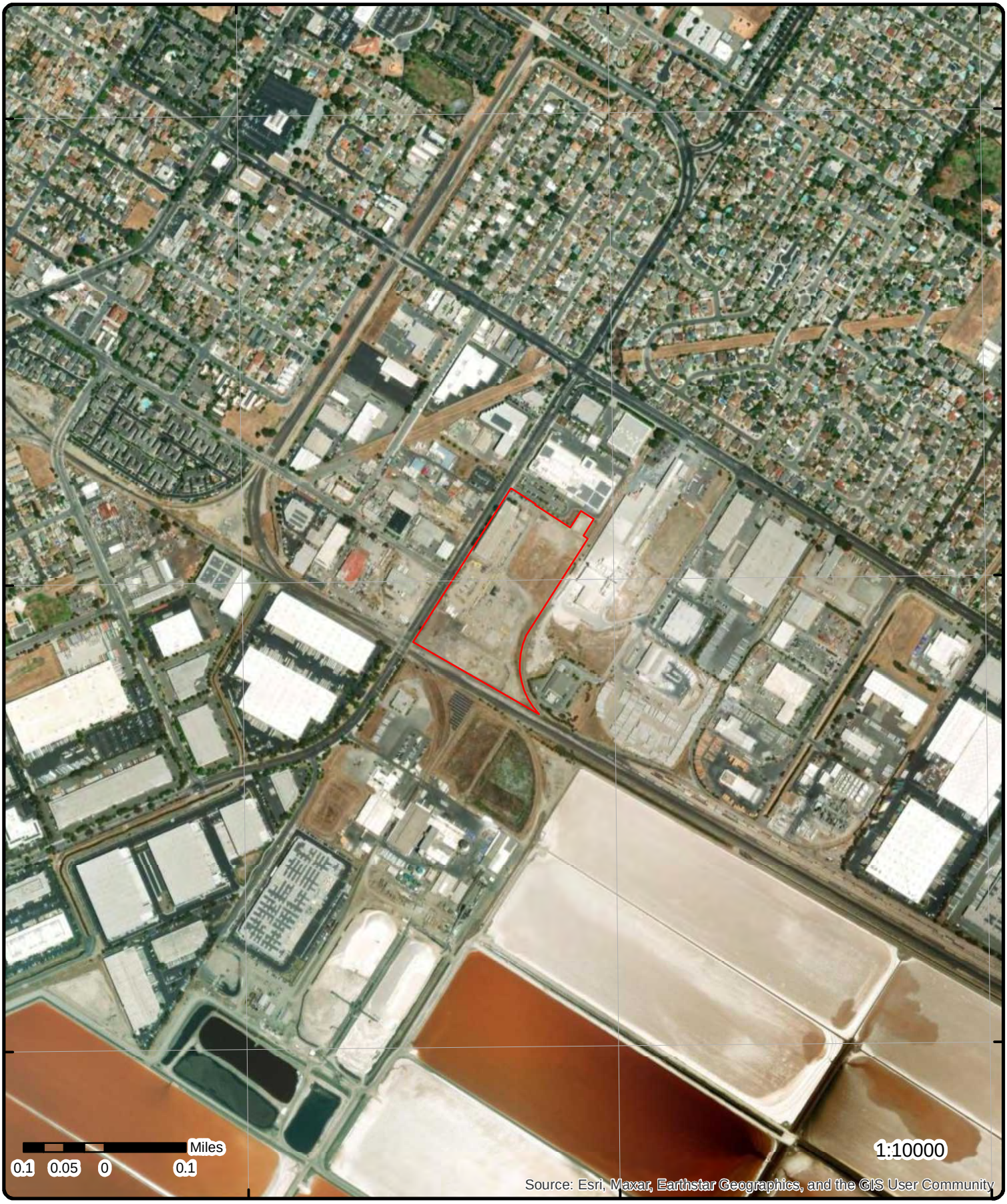
Order Number: 24040300724

Address: 6756 and 6792 Central Avenue, Newark, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



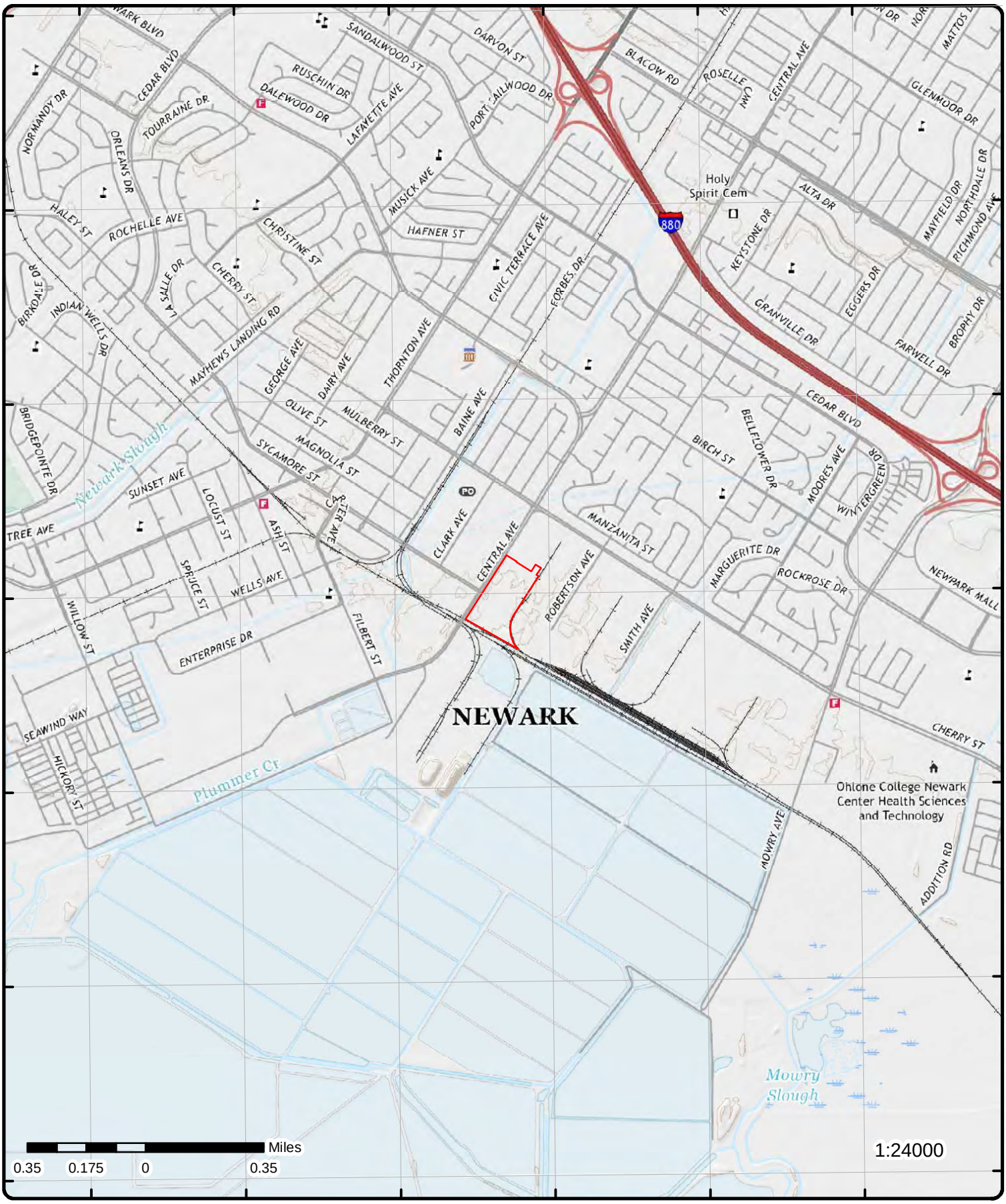
Aerial **Year: 2022**

Order Number: 24040300724

Address: 6756 and 6792 Central Avenue, Newark, CA

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2021

Order Number: 24040300724

Address: 6756 and 6792 Central Avenue, CA

Quadrangle(s): Mountain View CA, Niles CA, Newark CA

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 40	ENE	0.00 / 0.00	19.26 / 0	TRI-CITY MARBLE 6756 CENTRAL AVE NEWARK CA 94560	RCRA SQG

EPA Handler ID: CAR000144816
Gen Status Universe: Small Quantity Generator
Contact Name: MICHAEL MCDANIEL
Contact Address: US
Contact Phone No and Ext: 510-745-9692
Contact Email:
Contact Country: US
County Name: SAN MATEO
EPA Region: 09
Land Type: Private
Receive Date: 20030515
Location Latitude: 37.525939
Location Longitude: -122.027981

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20030515
Handler Name: TRI-CITY MARBLE
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MKE MCDANIEL	***Street 2:***	
Date Became Current:	19960101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MIKE MCDANIEL	***Street 2:***	
Date Became Current:	19960101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 40	ENE	0.00 / 0.00	19.26 / 0	REMODELING BY TCM INC 6756 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID: 110014460788
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-JUL-03
Update Date: 01-JUN-17
Interest Types: AIR EMISSIONS CLASSIFICATION UNKNOWN, SQG, STATE MASTER, TRI REPORTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes: 3088
SIC Code Descriptions: PLASTICS PLUMBING FIXTURES **Note: Many records provided by the department have a truncated [SIC Code Descriptions] field.
NAICS Codes: 326191
NAICS Code Descriptions: PLASTICS PLUMBING FIXTURE MANUFACTURING.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52579
Longitude: -122.02815
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110014460788
Data Source: Facility Registry Service - Single File
Program Acronyms:

1	3 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY MIRROR INC 6756 CENTRAL AVE NEWARK CA 94560	CLEANUP SITES

Global ID: T0600191526
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444601
RWQCB Region (DL):
Longitude:
Latitude:
Address: 6756 CENTRAL AVE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0267
Local Case No:
Begin Date: 1/1/1985
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons: 0
Potential COC: Stoddard solvent / Mineral Spriits / Distillates
How Discovered: Tank Closure
Stop Method:
Stop Description:
Case Worker: UUU
Military DoD Site: No
Leak Reported Dt: 1985-01-01 00:00:00
No Further Action Dt: 2000-12-20 00:00:00
Potential Media of Concern: Soil
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause: Unknown
Discharge Source: Other
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2000-12-20 00:00:00

Status: Open - Site Assessment
Status Date: 1991-07-01 00:00:00

Status: Open - Case Begin Date
Status Date: 1985-01-01 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600191526
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/20/2000
Potential COC: STODDARD SOLVENT / MINERAL SPRIITS / DISTILLATES
Potential Media of Concern: SOIL
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0267
CASE MANAGER: Regional Water Board
ALAMEDA COUNTY LOP
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600191526&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Enforcement - Other
Action: UNK
Action Date:
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Agreements

Action: Access Agreement
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&enforcement_id=6440499&temptable=ENFORCEMENT
Title Description Comments:

agreement between Alameda and rwqcb

Action Type: Other Regulatory Actions
Action: Site Visit / Inspection / Sampling
Action Date: 5/20/1992
Received Issue Date: 5/20/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&enforcement_id=6440500&temptable=ENFORCEMENT
Title Description Comments:

hydrocarbon contamination

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 9/24/1991
Received Issue Date: 9/24/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600191526&doc_id=6026574
Title Description Comments:

report of findings for the removal of UST

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 8/31/1987
Received Issue Date: 8/31/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600191526&doc_id=6026580
Title Description Comments:

unauthorized Release Form

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 5/11/1987
Received Issue Date: 5/11/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600191526&doc_id=6026578
Title Description Comments:

sampling report

Action Type: Leak Action
Action: Leak Reported
Action Date: 1/1/1985
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 6/27/1996
Type: ACCESS AGREEMENT ***Submitted:***
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: AGREEMENT BETWEEN ALAMEDA AND RWQCB
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&enforcement_id=6440499

Document Type: Site Documents ***Document Date:*** 5/20/1992
Type: SITE VISIT / INSPECTION / SAMPLING ***Submitted:***

Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: HYDROCARBON CONTAMINATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&enforcement_id=6440500

Document Type: Site Documents **Document Date:** 9/24/1991
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: REPORT OF FINDINGS FOR THE REMOVAL OF UST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&document_id=6026574

Document Type: Site Documents **Document Date:** 8/31/1987
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: UNAUTHORIZED RELEASE FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&document_id=6026580

Document Type: Site Documents **Document Date:** 5/11/1987
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600191526&document_id=6026578

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 12/20/2000

Status: Open - Site Assessment
Date: 7/1/1991

Status: Open - Case Begin Date
Date: 1/1/1985

GeoTracker Search - Related Cases (as of October 16, 2023)

Association: Related Global ID
Description:
Identifier: T10000013242
Project Name: Witkin and Jaffe Enterprises property
Project Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000013242
Address: 6792 and 6756 Central Avenue
City: NEWARK
Status: OPEN - SITE ASSESSMENT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	4 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY MIRROR 6756 CENTRAL AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: SL0600154538 **Case Type (DL):**
Site Facility Type: **Census Tract:** 6001444601
Cleanup Status: **RWQCB Region (DL):**
Status (SRCH): COMPLETED - CASE CLOSED **Longitude:**
Status (DL): **Latitude:**
Status Date (DL):
Address: 6756 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0267

Local Case No: 0020
Begin Date: 12/1/2000
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker:
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt: 2000-12-20 00:00:00
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2000-12-20 00:00:00

Status: Open - Case Begin Date
Status Date: 2000-12-01 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600154538

Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/20/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0020
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0267
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600154538&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Agreements
Action: InterAgency Agreement
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154538&enforcement_id=6500066&temptable=ENFORCEMENT
Title Description Comments:

AGREEMENT BETWEEN RWQCB AND ACWD

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/20/1992
Received Issue Date: 5/20/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154538&enforcement_id=6500065&temptable=ENFORCEMENT
Title Description Comments:

HYDROCARBON CONTAMINATION AT BAY MIRROR, INC., 6756 CENTRAL AVENUE, NEWARK

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 9/27/1991
Received Issue Date: 9/27/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600154538&doc_id=6076585
Title Description Comments:

UNDERGROUND STORAGE TANK REMOVAL

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/28/1987
Received Issue Date: 8/28/1987
Doc Link:
Title Description Comments:

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 5/11/1987
Received Issue Date: 5/11/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600154538&doc_id=6076583
Title Description Comments:

SAMPLING REPORT 05-11-1987

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents
Type: INTERAGENCY AGREEMENT
Document Date: 6/27/1996
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: AGREEMENT BETWEEN RWQCB AND ACWD
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154538&enforcement_id=6500066

Document Type: Site Documents
Type: STAFF LETTER
Document Date: 5/20/1992
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: HYDROCARBON CONTAMINATION AT BAY MIRROR, INC., 6756 CENTRAL AVENUE, NEWARK
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154538&enforcement_id=6500065

Document Type: Site Documents
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT
Document Date: 9/27/1991
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: UNDERGROUND STORAGE TANK REMOVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154538&document_id=6076585

Document Type: Site Documents
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT
Document Date: 5/11/1987
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: SAMPLING REPORT 05-11-1987
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600154538&document_id=6076583

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 12/20/2000

Status: Open - Case Begin Date
Date: 12/1/2000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	5 of 40	ENE	0.00 / 0.00	19.26 / 0	Vision Recycling 6756 Central Ave. Newark CA 94560	SWF/LF

SWIS No: 01-AA-0313
Site ID: 5242
EPA Fed Regist ID:
Site Op Status: Closed
Regulatory Status: Notification
Site is Archived: Yes
Absorbed on:
Absorbed by:
Site Inert Debris Eng Fill: No
Closed Illegal Aband: No
Closed Illegal Aband Cat:
Finance Assuran Responsible: No
Incorporated City: Newark
Local Government: Newark
Reporting Agency Legal Name: County of Alameda
Reporting Agency Department: Department of Environmental Health
Enforcing Agency Legal Name: County of Alameda
Enforcing Agency Department: Department of Environmental Health

ARB District: Bay Area
SWRCB Region: San Francisco Bay
Site Point of Cont: Alyssa Williams
Site ZIP: 94560
County: Alameda
Latitude: 37.52517
Longitude: -122.02693

Site Owners

Site Type: Non-Disposal Only

Started On:
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Contact Phone: (510) 366-1834
Owner Name: Whitkin Enterprises I, LLC
Owner Address: 4931 Winchester Pl.
Owner City: Newark
Owner State: CA
Owner Zip Code: 94560
Owner Phone:

Site Operators

Site Type: Non-Disposal Only
Started on:
Contact Name: Kevin Tulley
Contact First Name: Kevin
Contact Last Name: Tulley
Contact Title:
Contact Email: mots@visionrecycling.com
Contact Phone: (510) 429-1300
Operator Name: T.W.D.C. Industries Corp.
Operator Address: 41900 Boscell Rd.
Operator City: Fremont
Operator State: CA
Operator Zip: 94538
Operator Phone:

Site Waste

Site Type: Non-Disposal Only
Waste Type: Wood Waste
Activity Oper Stat: Closed
Act Regulat Stat: Notification
Activity: Chipping and Grinding Facility/Operation
Activity Category: Composting
Act Classification: Solid Waste Facility
Act Is Archived: Yes

1	6 of 40	ENE	0.00 / 0.00	19.26 / 0	**BAY CITIES METAL PRODUCTS** **6756 CENTRAL AVE** **NEWARK CA 94560**	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035d67.pdf

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1	7 of 40	ENE	0.00 / 0.00	19.26 / 0	**ALL CITY TRUCKING INC** **6756 CENTRAL AVE** **NEWARK CA 94560**	HAZNET

SIC Code: 7538
NAICS Code: 811111
EPA ID: CAL000376727
Create Date: 7/26/2012 1:58:39 PM
Fac Act Ind: No
Inact Date: 6/30/2013
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 37053 CHERRY ST STE 209D
Mailing Addr 2:
Owner Fax: 5106571200
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 94560
Region Code: 2
Owner Name: ALL CITY TRUCKING INC
Owner Addr 1: 37053 CHERRY ST STE 209D
Owner Addr 2:
Owner City: NEWARK
Owner State: CA
Owner Zip: 945603851
Owner Phone: 5104618287
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAL000376727

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1 | 8 of 40 | ENE | 0.00 / 0.00 | 19.26 / 0 | **TENANT INTER.**
6756 CENTRAL AVE STE F
NEWARK CA 94560 | HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002573084
Create Date: 12/23/2003
Fac Act Ind: No
Inact Date: 10/27/2004
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 6756 CENTRAL AVE STE F
Mailing Addr 2:
Owner Fax:
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 94560
Region Code: 2
Owner Name: KEN KAUNTSEN
Owner Addr 1: 6756 CENTRAL AVE STE F
Owner Addr 2:
Owner City: NEWARK
Owner State: CA
Owner Zip: 94560
Owner Phone: 5107429904
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC002573084

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1 | 9 of 40 | ENE | 0.00 / 0.00 | 19.26 / 0 | **EARTH TONE MULCH**
6756 CENTRAL AVE
NEWARK CA 945605922 | HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002609891
Create Date: 10/25/2006
Fac Act Ind: No
Inact Date: 4/24/2007
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 6756 CENTRAL AVE
Mailing Addr 2:
Owner Fax:
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945605922
Region Code: 2
Owner Name: LARRY GANS
Owner Addr 1: 6756 CENTRAL AVE
Owner Addr 2:
Owner City: NEWARK
Owner State: CA
Owner Zip: 945605922
Owner Phone: 408887632
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC002609891

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1 | 10 of 40 | ENE | 0.00 / 0.00 | 19.26 / 0 | **EARTH TONES MULCH**
6756 CENTRAL AVE
NEWARK CA 945605922 | HAZNET

SIC Code: 9999
NAICS Code: 99999
EPA ID: CAL000370548
Create Date: 1/5/2012 3:48:59 PM
Fac Act Ind: No
Inact Date: 6/30/2014
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 2075 WILLIAMS STREET
Mailing Addr 2:
Owner Fax: 5109043947
Mailing City: SAN LEANDRO
Mailing State: CA
Mailing Zip: 945770000
Region Code: 2
Owner Name: BLUEWATER INC
Owner Addr 1: 2075 WILLIAMS ST
Owner Addr 2:
Owner City: SAN LEANDRO
Owner State: CA
Owner Zip: 945770000
Owner Phone: 5109043907
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DTSC Handler Profile url: https://hwts.dtsc.ca.gov/search
https://hwts.dtsc.ca.gov/facility/CAL000370548

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	11 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY MIRROR INC 6756 CENTRAL AVE NEWARK CA 945600000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002294009
Create Date: 5/31/2000
Fac Act Ind: No
Inact Date: 6/11/2001
County Code: 01
County Name: Alameda
Mail Name: GARY MULKEY/COMPLIANCE CLOSURE
Mailing Addr 1: 6792 CENTRAL AVE
Mailing Addr 2:
Owner Fax:

Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600000
Region Code: 2
Owner Name: BAY MIRROR INC
Owner Addr 1: 6792 CENTRAL AVE
Owner Addr 2:
Owner City: NEWARK
Owner State: CA
Owner Zip: 945600000
Owner Phone: 5107965432

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search

DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC002294009

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	12 of 40	ENE	0.00 / 0.00	19.26 / 0	B H I PRODUCTS 6756 CENTRA AVENUE NEWARK CA 945600000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAL000018828
Create Date: 11/14/1989
Fac Act Ind: No
Inact Date: 12/31/1899
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 6756 CENTRAL AVENUE
Mailing Addr 2:
Owner Fax:

Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600000
Region Code: 2
Owner Name: DUNN MIKE
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search

DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAL000018828

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	13 of 40	ENE	0.00 / 0.00	19.26 / 0	VISION RECYCLING-NEWARK 6756 CENTRAL AVE NEWARK CA 94560	HAZNET

SIC Code: 2499,3634,3999
NAICS Code: 339999
EPA ID: CAL000406666
Create Date: 5/8/2015
Fac Act Ind: No
Inact Date: 6/30/2015
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 41900 BOSCELL RD
Mailing Addr 2:
Owner Fax: 5103536036

Mailing City: FREMONT
Mailing State: CA
Mailing Zip: 94538
Region Code: 2
Owner Name: T.W.D.C INDUSTRIES CORP
Owner Addr 1: 41900 BOSCELL RD
Owner Addr 2:
Owner City: FREMONT
Owner State: CA
Owner Zip: 94538
Owner Phone: 5104291300

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DTSC Handler Profile url: https://hwts.dtsc.ca.gov/search
https://hwts.dtsc.ca.gov/facility/CAL000406666

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	14 of 40	ENE	0.00 / 0.00	19.26 / 0	1X JAFFE WITKIN ENTERPRISES 6756 CENTRAL AVE NEWARK CA 945600000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC000599712
Create Date: 5/21/1991
Fac Act Ind: No
Inact Date: 10/25/2000
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 6792 CENTRAL AVE
Mailing Addr 2:
Owner Fax:
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600000
Region Code: 2
Owner Name: JOHN WITKIN
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC000599712

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	15 of 40	ENE	0.00 / 0.00	19.26 / 0	1X MCGRATH RENT CORPORATION 6756 CENTRAL AVENUE NEWARK CA 945600000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC000596520
Create Date: 5/13/1991
Fac Act Ind: No
Inact Date: 10/25/2000
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 2500 GRANT AVENUE
Mailing Addr 2:
Owner Fax:
Mailing City: SAN LORENZ0
Mailing State: CA
Mailing Zip: 945800000
Region Code: 2
Owner Name: BAY MIRROR CORPORATION
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC000596520

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	16 of 40	ENE	0.00 / 0.00	19.26 / 0	6756 CENTRAL AVE NEWARK CA 945600000	HIST MANIFEST

Gen EPA ID: CAC000599712
Create Date: 5/21/1991 0:00:00
Inact Date: 10/25/2000 0:00:00
Facility Mail Street: 6792 CENTRAL AVE
Facility Mail City: NEWARK
Facility Mail State: CA
Facility Mail Zip: 945600000
Contact Phone(s): 4157965432
File Year(s): 1991
Contact Name(s): JOHN WITKIN/OWNER

Tanner Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State Waste Code: 512 **Generator County:**
Year: 1991 **Tsd Epa ID:** CAD004771168
Tons: 14 **Tsd County:** San Francisco
Method Code: R01
State Waste Code Desc: Other empty containers 30 gallons or more
Method Description:

Tanner Information

State Waste Code: **Generator County:**
Year: 1991 **Tsd Epa ID:** CAD004771168
Tons: 5 **Tsd County:** San Francisco
Method Code: 1
State Waste Code Desc:
Method Description:

Tanner Information

State Waste Code: 513 **Generator County:**
Year: 1991 **Tsd Epa ID:** CAD004771168
Tons: 0.3 **Tsd County:** San Francisco
Method Code: R01
State Waste Code Desc: Empty containers less than 30 gallons
Method Description:

1	17 of 40	ENE	0.00 / 0.00	19.26 / 0	6756 CENTRAL AVENUE NEWARK CA 945600000	HIST MANIFEST

Gen EPA ID: CAC000596520
Create Date: 5/13/1991 0:00:00
Inact Date: 10/25/2000 0:00:00
Facility Mail Street: 2500 GRANT AVENUE
Facility Mail City: SAN LORENZ0
Facility Mail State: CA
Facility Mail Zip: 945800000
Contact Phone(s): 4089577700
File Year(s): 1991
Contact Name(s): INACTIVE PER FEES 6/93

Tanner Information

State Waste Code: 512 **Generator County:**
Year: 1991 **Tsd Epa ID:** CAD004771168
Tons: 2.5 **Tsd County:** San Francisco
Method Code: R01
State Waste Code Desc: Other empty containers 30 gallons or more
Method Description:

1	18 of 40	ENE	0.00 / 0.00	19.26 / 0	Earthtones Mulch Company 6756 Central Avenue Newark CA 94560	SWF/LF

SWIS No: 01-AA-0298 **ARB District:** Bay Area
Site ID: 4707 **SWRCB Region:** San Francisco Bay
EPA Fed Regist ID: **Site Point of Cont:** Alyssa Williams
Site Op Status: Closed **Site ZIP:** 94560
Regulatory Status: Notification **County:** Alameda
Site is Archived: No **Latitude:** 37.52406
Absorbed on: **Longitude:** -122.02795
Absorbed by:
Site Inert Debris Eng Fill: No
Closed Illegal Aband: No
Closed Illegal Aband Cat:
Finance Assuran Responsible: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Incorporated City: Newark
Local Government: Newark
Reporting Agency Legal Name: County of Alameda
Reporting Agency Department: Department of Environmental Health
Enforcing Agency Legal Name: County of Alameda
Enforcing Agency Department: Department of Environmental Health

Site Owners

Site Type: Non-Disposal Only
Started On:
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Contact Phone:
Owner Name: Jaffe Whitken Enterprises LLC
Owner Address: 4931 Winchester Pl
Owner City: Newark
Owner State: CA
Owner Zip Code: 94560-2026
Owner Phone:

Site Activities (Search Result)

Activity Category: Composting
Act Regulat Stat: Notification
Act Opl Status: Closed
Site Name: Earthtones Mulch Company
Activity: Chipping and Grinding Facility/Operation

Site Operators

Site Type: Non-Disposal Only
Started on:
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Contact Phone: (408) 888-7632
Operator Name: Earthtones Mulch Company
Operator Address: Hilary Gans, Operatror P O Box 1027
Operator City: Newark
Operator State: CA
Operator Zip: 94560
Operator Phone:

Site Waste

Site Type: Non-Disposal Only
Activity Category: Composting
Waste Type: Wood Waste
Act Classification: Solid Waste Facility
Activity Oper Stat: Closed
Act Is Archived: No
Act Regulat Stat: Notification
Activity: Chipping and Grinding Facility/Operation

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	19 of 40	ENE	0.00 / 0.00	19.26 / 0	REMODELING BY TCMNAINC. 6756 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID: 110066626798
FIPS Code:
HUC Code: 18050003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	13
Census Block Code:	060014446011019
EPA Region Code:	09
County Name:	ALAMEDA
US/Mexico Border Ind:	
Latitude:	37.52519
Longitude:	-122.02696
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066626798
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	20 of 40	ENE	0.00 / 0.00	19.26 / 0	ALL GOOD PALLETSNA INC 6756 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID:	110066362313
FIPS Code:	
HUC Code:	18050003
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	13
Census Block Code:	060014446011019
EPA Region Code:	09
County Name:	ALAMEDA
US/Mexico Border Ind:	
Latitude:	37.52519
Longitude:	-122.02696
Reference Point:	CENTER OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	30
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066362313

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:90909

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	21 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY MIRROR 6756 CENTRAL AVENUE NEWARK CA 94560	FINDS/FRS

Registry ID: 110066613070
FIPS Code:
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date: 14-OCT-15
Interest Types: STATE MASTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52519
Longitude: -122.02696
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066613070
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:236214, CA-ENVIROVIEW:245300

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	22 of 40	ENE	0.00 / 0.00	19.26 / 0	EDWARDS BAY AREA GRINDING 6756 CENTRAL AVE STE D NEWARK CA 94560	FINDS/FRS

Registry ID: 110065215145
FIPS Code:
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 10-OCT-15
Update Date:
Interest Types: STATE MASTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52519
Longitude: -122.02696
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065215145
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:27579

1	23 of 40	ENE	0.00 / 0.00	19.26 / 0	TRI CITY MARBLE 6756 CENTRAL AVE NEWARK CA 94560	EMISSIONS

2001 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 4.7
ROGT: 4.7
COT:
NOXT:
SOXT:
PMT:
PM10T:

2001 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2002 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 4.698
ROGT: 4.6975302
COT:
NOXT:
SOXT:
PMT:
PM10T:

2002 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2003 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 6.932
ROGT: 6.93
COT:
NOXT:
SOXT:
PMT:
PM10T:

2003 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2004 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 6.932
ROGT: 6.9313068
COT:
NOXT:
SOXT:
PMT:
PM10T:

2004 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
CERR Code:
TOGT: 6.932
ROGT: 6.9313068
COT:

District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2005 Toxic Data

Facility ID:	12467	**COID:**	ALA
Facility SIC Code:	3088	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	12467	**CERR Code:**	
Facility SIC Code:	3088	**TOGT:**	5.255
CO:	1	**ROGT:**	5.2544745
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2006 Toxic Data

Facility ID:	12467	**COID:**	ALA
Facility SIC Code:	3088	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	12467	**CERR Code:**	
Facility SIC Code:	3088	**TOGT:**	5.255
CO:	1	**ROGT:**	5.2544745
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2007 Toxic Data

Facility ID:	12467	**COID:**	ALA
Facility SIC Code:	3088	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	24 of 40	ENE	0.00 / 0.00	19.26 / 0	REMODELING BY TCM INC 6756 CENTRAL AVE NEWARK CA 94560	EMISSIONS

2008 Criteria Data

Facility ID:	12467	***CERR Code:***	
Facility SIC Code:	3088	***TOGT:***	5.255
CO:	1	***ROGT:***	5.2544745
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2008 Toxic Data

Facility ID:	12467	***COID:***	ALA
Facility SIC Code:	3088	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	12467	***CERR Code:***	
Facility SIC Code:	3088	***TOGT:***	1.883
CO:	1	***ROGT:***	1.8828117
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2009 Toxic Data

Facility ID:	12467	***COID:***	ALA
Facility SIC Code:	3088	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	12467	***COID:***	ALA
Facility SIC Code:	3088	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	12467	***CERR Code:***	
Facility SIC Code:	3088	***TOGT:***	1.883
CO:	1	***ROGT:***	1.8828117
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2011 Toxic Data

Facility ID:	12467	***COID:***	ALA
Facility SIC Code:	3088	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	12467	***CERR Code:***	
Facility SIC Code:	3088	***TOGT:***	1.883
CO:	1	***ROGT:***	1.8828117
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2012 Toxic Data

Facility ID:	12467	***COID:***	ALA
Facility SIC Code:	3088	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	12467	***CERR Code:***	
Facility SIC Code:	3088	***TOGT:***	1.883
CO:	1	***ROGT:***	1.8828117
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2013 Toxic Data

Facility ID:	12467	***COID:***	ALA
Facility SIC Code:	3088	***DISN:***	BAY AREA AQMD

CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHAPIS:
CERR Code:

2014 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.406036912
ROGT:
COT:
NOXT:
SOXT:
PMT:
PM10T:

2014 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2015 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.4060369
ROGT: 1.40598443594
COT:
NOXT:
SOXT:
PMT:
PM10T:

2015 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2016 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CERR CODE:
TOGT: 1.406036912
ROGT: 1.4058963083088
COT:
NOXT:
SOXT:
PMT:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CHAPIS: ***PM10T:***

2016 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CERR CODE:
COID: ALA
CO: 1
DISN: BAY AREA AQMD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SF
District: BA

2017 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.406036912
ROGT: 1.4058963083088
COT:
NOXT:
SOXT:
PMT:
PM10T:

2017 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2018 Criteria Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.406969899
ROGT: 1.4068292020101
COT:
NOXT:
SOXT:
PMT:
PM10T:

2018 Toxic Data

Facility ID: 12467
Facility SIC Code: 3088
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1	***25 of 40***	***ENE***	***0.00 / 0.00***	***19.26 / 0***	***BAY CITIES METAL PRODUCTS 6756 CENTRAL AVE. NEWARK CA***	***HIST TANK***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner Name:	BAY CITIES METAL PRODUCTS INC.	**No of Containers:**	1
Owner Street:	6756 CENTRAL AVE.	**County:**	ALAMEDA
Owner City:	NEWARK	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	94560
Owner Zip:	94560		

1	26 of 40	ENE	0.00 / 0.00	19.26 / 0	TDRA INDUSTRIES DBA VISION RECYCLING 6756 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAL000406666
Gen Status Universe:	No Report
Contact Name:	ADAN RODRIGUEZ
Contact Address:	41900 BOSCELL ROAD , 510-385-0541 , FREMONT , CA, 94538 , US
Contact Phone No and Ext:	510-385-0541
Contact Email:	ADAN.RODRIGUEZ@VISION.RECYCLING.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20220111
Location Latitude:	37.525939
Location Longitude:	-122.027981

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20150508
Handler Name:	VISION RECYCLING-NEWARK
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20220111
Handler Name:	TDRA INDUSTRIES DBA VISION RECYCLING

Source Type: Deactivation
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: MOTS YAMAMOTO
Date Became Current:
Date Ended Current:
Phone: 510-385-0541
Source Type: Implementer
Street No:
Street 1: 41900 BOSCELL ROAD
Street 2: 510-385-0541
City: FREMONT
State: CA
Country:
Zip Code: 94538

Owner/Operator Ind: Current Operator
Type: Other
Name: TDRA INDUSTRIES INC
Date Became Current:
Date Ended Current:
Phone: 510-353-6030
Source Type: Deactivation
Street No:
Street 1: 41900 BOSCELL ROAD
Street 2: 510-385-0541
City: FREMONT
State: CA
Country: US
Zip Code: 94538

Owner/Operator Ind: Current Owner
Type: Other
Name: T.W.D.C INDUSTRIES CORP
Date Became Current:
Date Ended Current:
Phone: 510-429-1300
Source Type: Implementer
Street No:
Street 1: 41900 BOSCELL RD
Street 2:
City: FREMONT
State: CA
Country:
Zip Code: 94538

Historical Handler Details

Receive Dt: 20150508
Generator Code Description: Not a Generator, Verified
Handler Name: VISION RECYCLING-NEWARK

1	27 of 40	ENE	0.00 / 0.00	19.26 / 0	TDRA INDUSTRIES DBA VISION RECYCLING 6756 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID: 110070418431
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 31-DEC-18
Update Date:
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL, UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes: 2411
SIC Code Descriptions: LOGGING **Note: Many records provided by the department have a truncated [SIC Code Descriptions] field.
NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52576

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude: -122.02663
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070418431
Data Source: Facility Registry Service - Single File
Program Acronyms:

NPDES:CAZ475510, RCRAINFO:CAL000406666

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	28 of 40	ENE	0.00 / 0.00	19.26 / 0	JAFFE WITKIN PROPERTIES 6756 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAC003034516
Gen Status Universe: No Report
Contact Name: MICHAEL WITKIN
Contact Address: 1 GRAND ARMY PLZ APT 11B , , BROOKLYN , NY, 11238 ,
Contact Phone No and Ext: 917-951-6554
Contact Email: MICHAEL@WITKIN.ORG
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20190918
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190918
Handler Name: JAFFE WITKIN PROPERTIES
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1 GRAND ARMY PLZ
Name:	MICHAEL WITKIN	***Street 2:***	
Date Became Current:		***City:***	BROOKLYN
Date Ended Current:		***State:***	NY
Phone:	917-951-6554	***Country:***	
Source Type:	Implementer	***Zip Code:***	11238-5611

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1 GRAND ARMY PLZ APT 11B
Name:	MICHAEL WITKIN	***Street 2:***	
Date Became Current:		***City:***	BROOKLYN
Date Ended Current:		***State:***	NY
Phone:	917-951-6554	***Country:***	
Source Type:	Implementer	***Zip Code:***	11238

1	***29 of 40***	***ENE***	***0.00 / 0.00***	***19.26 / 0***	***TRI-CITY MARBLE 6756 CENTRAL AVE NEWARK CA 94560***	***TRIS***

TRI FD:	94560TRCTY6756C
FRS ID:	110014460788
BIA:	
Tribe:	
Facility Name:	TRI-CITY MARBLE
Street Address:	6756 CENTRAL AVE
City:	NEWARK
County:	ALAMEDA
State:	CA
Zip:	94560
Latitude:	37.525790
Longitude:	-122.028150

2004 Details

TRI FD:	94560TRCTY6756C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0000100425	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3088	***RCRA C Landfill:***	0.000000
Primary NAICS:	326191	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	YES	***Surface Impndmnt:***	0.000000
Fugitive Air:	263.000000	***RCRA Surface IM:***	0.000000
Stack Air:	2375.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Styrene		
Industry Sector Code:	326		
Industry Sector:	Plastics and Rubber		
Parent Co Name:	NA		
On Site Release Total:	2638.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	2638.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

100-42-5

PFAS:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

NO

PBT:

NO

1	30 of 40	ENE	0.00 / 0.00	19.26 / 0	**JAFFE WITKIN PROPERTIES** **6756 CENTRAL AVE** **NEWARK CA 94560**	FINDS/FRS

Registry ID: 110070655499
FIPS Code: 06001
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 26-NOV-19
Update Date:
Interest Types: UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 531190
NAICS Code Descriptions: LESSORS OF OTHER REAL ESTATE PROPERTY.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070655499
Data Source: Facility Registry Service - Single File
Program Acronyms:

RCRAINFO:CAC003034516

1	31 of 40	ENE	0.00 / 0.00	19.26 / 0	**Earth Tones Mulch Company** **6756 Central Ave.** **Newark CA 94560**	SWF/LF

SWIS No: 01-AA-0303
Site ID: 4953
EPA Fed Regist ID:
Site Op Status: Absorbed
Regulatory Status: Notification
Site is Archived: Yes
Absorbed on:
Absorbed by:
Site Inert Debris Eng Fill: No
Closed Illegal Aband: No
Closed Illegal Aband Cat:
Finance Assuran Responsible: No
Incorporated City: Newark

ARB District: Bay Area
SWRCB Region: San Francisco Bay
Site Point of Cont: Alyssa Williams
Site ZIP: 94560
County: Alameda
Latitude: 37.5244
Longitude: -122.02795

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Local Government: Newark
Reporting Agency Legal Name: County of Alameda
Reporting Agency Department: Department of Environmental Health
Enforcing Agency Legal Name: County of Alameda
Enforcing Agency Department: Department of Environmental Health

Site Owners

Site Type: Non-Disposal Only
Started On:
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Contact Phone:
Owner Name: Jaffe Whitken Enterprises LLC
Owner Address: 4931 Winchester Pl
Owner City: Newark
Owner State: CA
Owner Zip Code: 94560-2026
Owner Phone:

Site Operators

Site Type: Non-Disposal Only
Started on:
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Contact Phone: (800) 504-3928
Operator Name: Earth Tones Mulch
Operator Address: 2075 Williams St
Operator City: San Leandro
Operator State: CA
Operator Zip: 94577
Operator Phone:

Site Waste

Site Type: Non-Disposal Only
Waste Type: Green Materials
Activity Oper Stat: Absorbed
Act Regulat Stat: Notification
Activity: Green Material Composting Operation
Activity Category: Composting
Act Classification: Solid Waste Operation
Act Is Archived: Yes

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	32 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY CITIES METAL PRODUCTS 6756 CENTRAL AVE NEWARK CA	UST SWEEPS

C C: A01-008-40599
BOE: 44-001228
Comp: 40599
Status: ACTIVE
No of Tanks: 1
Jurisdict: CITY OF NEWARK
Agency: FIRE DEPARTMENT
Phone:
D Filename: SITE01A
Page No: 117
County: ALAMEDA
State : CA
Zip: 94560
Latitude: 37.52725
Longitude: -122.027035
Georesult: S5HPNTSCZA

Tank Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank ID:	000001			**S Contain:**		
O Tank ID:	#1			**Stg:**	P	
SWRCB No:	01-008-040599-000001			**Storage :**		
Removed:				**Storag Type:**	PRODUCT	
Installed:				**P Contain:**		
A Date:	04-19-93			**Content:**	LEADED	
Capac:	1000			**ONA:**		
Tank Use:	M.V. FUEL			**D File Name:**	TANK1B	

1	33 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY CITIES METAL PRODUCTS 6756 CENTRAL AVE NEWARK CA	UST SWEEPS

C C:	I01-008-40599	**D Filename:**	NSITE6
BOE:	44-001228	**Page No:**	227
Comp:	40599	**County:**	ALAMEDA
Status:	INACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	94560
Jurisdict:	CITY OF NEWARK	**Latitude:**	37.52725
Agency:	FIRE DEPARTMENT	**Longitude:**	-122.027035
Phone:	(415) 796-9640	**Georesult:**	S5HPNTSCZA

Tank Details

Tank ID:	000002	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	01-008-040599-000002	**Storage :**	PRODUCT
Removed:	04-19-93	**Storag Type:**	PRODUCT
Installed:	01-01-01	**P Contain:**	UNKNOWN
A Date:		**Content:**	
Capac:	1	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	NTANK6

1	34 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY MIRROR INC 6756 CENTRAL AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type:	CLEANUP PROGRAM SITE	**Rel Desc:**	
Status:	COMPLETED - CASE CLOSED	**Rel Type:**	
Site Code:		**Rel T Desc:**	
Site ID:		**Program:**	
Record ID:		**Case Desc:**	
ID Type:		**ID Date:**	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:	T0600191526	**Inv Party:**	
Fac ID:		**Inv P Type:**	
Desc:			

1	35 of 40	ENE	0.00 / 0.00	19.26 / 0	BAY MIRROR 6756 CENTRAL AVENUE NEWARK CA 94560	CONT ALAMEDA

Facility Type:	CLEANUP PROGRAM SITE	**Rel Desc:**	
Status:	COMPLETED - CASE CLOSED	**Rel Type:**	
Site Code:		**Rel T Desc:**	
Site ID:		**Program:**	
Record ID:		**Case Desc:**	
ID Type:		**ID Date:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: SL0600154538
Fac ID:
Desc:
Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	36 of 40	ENE	0.00 / 0.00	19.26 / 0	VISION RECYCLING 6756 CENTRAL AVE NEWARK CA 94560	C&D DEBRIS RECY

County: ALAMEDA

Activity Type: C&D PROCESSING
CHIPPING AND GRINDING
Phone No: (831) 479-7857

Activity Type: CHIPPING AND GRINDING
COMPOSTING
Phone No: (510) 385-0255

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	37 of 40	ENE	0.00 / 0.00	19.26 / 0	PROLOGIS 6756 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAC003103659
Gen Status Universe: No Report
Contact Name: BRENT WIRKKALA
Contact Address: 1800 WAZEE ST STE 500 , , DENVER , CO, 80202 ,
Contact Phone No and Ext: 510-661-4010
Contact Email: RSONDUR@PATRIOTENVIRONMENTAL.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20210202
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20210202
Handler Name: PROLOGIS
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: PROLOGIS DIST 4
Date Became Current:
Date Ended Current:
Phone: 510-661-4010
Source Type: Implementer
Street No:
Street 1: 1800 WAZEE ST STE 500
Street 2:
City: DENVER
State: CO
Country:
Zip Code: 80202

Owner/Operator Ind: Current Operator
Type: Other
Name: BRENT WIRKKALA
Date Became Current:
Date Ended Current:
Phone: 510-661-4010
Source Type: Implementer
Street No:
Street 1: 1800 WAZEE ST STE 500
Street 2:
City: DENVER
State: CO
Country:
Zip Code: 80202

1	38 of 40	ENE	0.00 / 0.00	19.26 / 0	D HILL TRUCKING 6756 CENTRAL AVENUE NEWARK CA 945600000	HAZ GEN

Epa ID: CAL000130520
Address 2:
Facility County: 01
County: Alameda
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000130520

1	39 of 40	ENE	0.00 / 0.00	19.26 / 0	REMODELING BY TCM INC 6756 CENTRAL AVE NEWARK CA 945600000	HAZ GEN

Epa ID: CAR000144816
Address 2:
Facility County: 01
County: Alameda
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAR000144816

1	40 of 40	ENE	0.00 / 0.00	19.26 / 0	PROLOGIS 6756 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID: 110071060349
FIPS Code: 06001
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 08-JUL-21
Update Date:
Interest Types: UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Code Descriptions:
NAICS Codes: 531110
NAICS Code Descriptions: LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071060349
Data Source: Facility Registry Service - Single File
Program Acronyms:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 21	N	0.00 / 0.00	20.41 / 1	ARCH MIRROR WEST 6792 CENTRAL AVENUE NEWARK CA 94560	RCRA TSD

EPA Handler ID: CAD981385727
Gen Status Universe: Small Quantity Generator
Contact Name: ANTHONY LAWSON
Contact Address: US
Contact Phone No and Ext: 772-467-0006
Contact Email:
Contact Country: US
Land Type: Private
County Name: ALAMEDA
EPA Region: 09
Receive Date: 20040329
Location Latitude: 37.526001
Location Longitude: -122.027933

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20040308
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20050516
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL

Enforcement Action Date: 20040308
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20050809
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20041019
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20041019
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20040308
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20040308
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20050516
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19860207
Handler Name: BAY MIRROR, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Source Type: Notification
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900416
Handler Name: BAY MIRROR, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: BAY MIRROR, INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19990304
Handler Name: BAY MIRROR INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20001012
Handler Name: BAY MIRROR INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20040329
Handler Name: ARCH MIRROR WEST
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20040329
Handler Name: ARCH MIRROR WEST
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: CENTRAL AVENUE PROPERTIES, L.L.C.
Date Became Current: 20011004
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report
Street No:
Street 1: 4931 WINCHESTER PLACE
Street 2:
City: NEWARK
State: CA
Country: US
Zip Code: 94560

Owner/Operator Ind: Current Operator
Type: Private
Name: ARCH MIRROR WEST
Date Became Current: 20010515
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: CENTRAL AVENUE PROPERTIES, L.L.C.
Date Became Current: 20011004
Date Ended Current:
Phone:
Source Type: Implementer
Street No:
Street 1: 4931 WINCHESTER PLACE
Street 2:
City: NEWARK
State: CA
Country: US
Zip Code: 94560

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Implementer
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Owner/Operator Ind: Current Operator
Type: Private
Name: ARCH MIRROR WEST
Date Became Current: 20010515
Date Ended Current:
Phone:
Source Type: Implementer
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: BAY MIRROR, INC
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type: Notification ***Zip Code:*** 99999

Historical Handler Details

Receive Dt: 20040329
Generator Code Description: Large Quantity Generator
Handler Name: ARCH MIRROR WEST

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR INC.

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR INC.

Receive Dt: 19960901
Generator Code Description: Small Quantity Generator
Handler Name: BAY MIRROR, INC

Receive Dt: 19900416
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR, INC

Receive Dt: 19860207
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR, INC

2	2 of 21	N	0.00 / 0.00	20.41 / 1	***ARCH MIRROR WEST*** ***6792 CENTRAL AVENUE*** ***NEWARK CA 94560***	***RCRA SQG***

EPA Handler ID: CAD981385727
Gen Status Universe: Small Quantity Generator
Contact Name: ANTHONY LAWSON
Contact Address: US
Contact Phone No and Ext: 772-467-0006
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20040329
Location Latitude: 37.526001
Location Longitude: -122.027933

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20040308
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20050516
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040308
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20050809
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20041019
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20041019
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20040308
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20050516
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20040308
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1

Receive Date: 19860207
Handler Name: BAY MIRROR, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900416
Handler Name: BAY MIRROR, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: BAY MIRROR, INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19990304
Handler Name: BAY MIRROR INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20001012
Handler Name: BAY MIRROR INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20040329
Handler Name: ARCH MIRROR WEST
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20040329
Handler Name: ARCH MIRROR WEST
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	4931 WINCHESTER PLACE
Name:	CENTRAL AVENUE PROPERTIES, L.L.C.	**Street 2:**	
Date Became Current:	20011004	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	4931 WINCHESTER PLACE
Name:	CENTRAL AVENUE PROPERTIES, L.L.C.	**Street 2:**	
Date Became Current:	20011004	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	ARCH MIRROR WEST	**Street 2:**	
Date Became Current:	20010515	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	BAY MIRROR, INC	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	ARCH MIRROR WEST	**Street 2:**	
Date Became Current:	20010515	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Historical Handler Details

Receive Dt: 20040329
Generator Code Description: Large Quantity Generator
Handler Name: ARCH MIRROR WEST

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR INC.

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR INC.

Receive Dt: 19960901
Generator Code Description: Small Quantity Generator
Handler Name: BAY MIRROR, INC

Receive Dt: 19900416
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR, INC

Receive Dt: 19860207
Generator Code Description: Large Quantity Generator
Handler Name: BAY MIRROR, INC

2	***3 of 21***	***N***	***0.00 / 0.00***	***20.41 / 1***	***BAY MIRROR INC 6792 CENTRAL AVE. NEWARK CA 94560***	***FINDS/FRS***

Registry ID: 110000483316
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 01-MAR-00
Update Date: 01-JUN-17
Interest Types: ENFORCEMENT/COMPLIANCE ACTIVITY, FORMAL ENFORCEMENT ACTION, HAZARDOUS AIR POLLUTANT MAJOR, HAZARDOUS WASTE BIENNIAL REPORTER, SQG, STATE MASTER, TRI REPORTER
**Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 327215
NAICS Code Descriptions: GLASS PRODUCT MANUFACTURING MADE OF PURCHASED GLASS.
Conveyor: FRS-TRIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52596
Longitude: -122.02801
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110000483316
Data Source: Facility Registry Service - Single File
Program Acronyms:

BR:CAD981385727, EIS:138111, HWTS-DATAMART:CAD981385727, ICIS:7426479, RCRAINFO:CAD981385727, TRIS:94560BYMRR6792C

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	4 of 21	N	0.00 / 0.00	20.41 / 1	BAY MIRROR, INC. 6792 CENTRAL AVENUE NEWARK CA 94560	ENVIROSTOR

Estor/EPA ID: 71002777
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6001444601
Site Type: TIERED PERMIT
Address Description: 6792 CENTRAL AVENUE
Office: CLEANUP BERKELEY
Special Program:
Funding:
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.5256649
Longitude: -122.027638
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Status: INACTIVE - NEEDS EVALUATION
Program Type: TIERED PERMIT
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71002777

Completed Activities

Title: Phase 1 Environmental Assessment Checklist
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71002777&doc_id=60280782
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 12/30/1996
Comments: Phase 1 indicates no further action, but also indicates there was an underground tank removed and some kind of surface impoundment/lagoon. DTSc has not verified this information.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	5 of 21	N	0.00 / 0.00	20.41 / 1	Union Sanitary District 6792 Central Avenue Newark CA	CHMIRS

Control No: 07-4637
County: Alameda County
Year: 2007
URL: https://w3.calema.ca.gov/operational/malhaz.nsf/f1841a103c102734882563e200760c4a/14c2145b2e4b32508825732b0074f839?OpenDocument
Notified Date:
Notified Date Time:

California Hazardous Material Incident Report System (as of 2006 to 2015)

Contained: Yes
1 Substance: Styrene
1 Measure: Gal(s)
1 Other:
1 Quantity: 30
1 Type: CHEMICAL
1 Pipeline:
3 Ves >= 300 Tons:
Incident Date: 8/1/2007
Incident Time: 1800
Spill Site: Merchant/Business
Injuries?:
No of Injuries: 0
Fatals?:

1 Vessel >= 300 Tons:		**No of Fatals:**	0
2 Substance:		**Evacs?:**	
2 Quantity:		**No of Evacs:**	0
2 Measure:		**Cleanup:**	Reporting Party
2 Type:		**Site:**	
2 Other:		**Cause:**	
2 Pipeline:		**Cause Other:**	
2 Vessel >= 300 Tons:		**Dog No:**	
3 Substance:		**Water:**	No
3 Quantity:		**Water Way:**	
3 Measure:		**City:**	Newark
3 Type:		**County:**	Alameda County
3 Other:		**ZIP:**	
3 Pipeline:			

Admin Agency: Newark Fire Department
Notification Area: AA/CUPA,DFG-OSPR,DTSC,RWQCB,US EPA,USFWS
Location: 6792 Central Avenue
Description: Caller states a slip line in project for a sanitary sewer line had a leak and caused a diluted mixture of Styrene and tap water to reach a storm drain. Caller states substance was contained in the dry storm drain and it did not reach a waterway.

Spill Report View

Water:		**Creation Date:**	08/02/2007 02:17 PM
Document Title:	SPILL Report		
Spill Site:	Merchant/Business		
Type:	CHEMICAL		

Hazardous Materials Spill Report

Date :	08/02/2007	**Water Involved:**	No
Time:	1417	**Drink Wtr Impact:**	
Incident Date:	08/01/2007	**Detail for Other:**	
Incident Time:	1800	**UPRR Rim No:**	
Control Cal OES:	07-4637	**DOG Unit:**	
Control NRC:		**RWQCB Unit:**	2
Contained:	Yes		
Waterway:			
Received By:			
Cleanup By:	Reporting Party		
Incident Location:	6792 Central Avenue		
Additional County:			
1 Substance:	Styrene		
1 Qty:	=		
1 Amount :	30		
1 Measure:	Gal(s)		
1 Type:	CHEMICAL		
1 Other:			
1 Pipeline:	No		
1 Ves >= 300 Tons:	No		
2 Substance:			
2 Qty:	=		
2 Amount:			
2 Measure:			
2 Type:			
2 Other:			
2 Pipeline:	No		
2 Ves >= 300 Tns:	No		
3 Substance:			
3 Qty:	=		
3 Amount:			
3 Measure:			
3 Type:			
3 Other:			
3 Pipeline:	No		
3 Ves >= 300 Tons:	No		
Injuries:	No		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fatality: No
Evacuation: No
Known Impact:
Agency: Union Sanitary District
PRS Agency:
Sec Agency: Alameda County Environmental Health
Admin Agency: Newark Fire Department
Admin Agency 2:
On Scene: Fire Dept., Other
Other on Scene: Newark Hazardous Materials
Other Notified:
Header Unknown: BAY AREA AQMD
Site: Merchant/Business
Reported Cause:
R R Crssing < 50 Ft:
Description: Caller states a slip line in project for a sanitary sewer line had a leak and caused a diluted mixture of Styrene and tap water to reach a storm drain. Caller states substance was contained in the dry storm drain and it did not reach a waterway.

2	6 of 21	N	0.00 / 0.00	20.41 / 1	DAY MIRROR INC 6792 CENTRAL AVE NEWARK CA 945600000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAX000129882
Create Date: 12/3/1984
Fac Act Ind: No
Inact Date: 6/30/1998
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: --
Mailing Addr 2:
Owner Fax:
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600000
Region Code: 2
Owner Name: --
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAX000129882

2	7 of 21	N	0.00 / 0.00	20.41 / 1	BAY MIRROR INC 6792 CENTRAL AVE NEWARK CA 945600000	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAX000089508
Create Date: 7/5/1984
Fac Act Ind: No
Inact Date: 6/30/1998
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: --
Mailing Addr 2:
Owner Fax:
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600000
Region Code: 2
Owner Name: --
Owner Addr 1: --
Owner Addr 2:
Owner City: --
Owner State: 99
Owner Zip: --
Owner Phone: 0000000000
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAX000089508

2	8 of 21	N	0.00 / 0.00	20.41 / 1	JAFFE & WITKIN ENTERPRISES 6792 CENTRAL AVE NEWARK CA 94560	HAZNET

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SIC Code:		**Mailing City:**	NEWARK
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC002612093	**Mailing Zip:**	94560
Create Date:	1/9/2007	**Region Code:**	2
Fac Act Ind:	No	**Owner Name:**	GENE JAFFE & MICHAEL WITKIN
Inact Date:	7/9/2007	**Owner Addr 1:**	6792 CENTRAL AVE
County Code:	01	**Owner Addr 2:**	
County Name:	Alameda	**Owner City:**	NEWARK
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	6792 CENTRAL AVE	**Owner Zip:**	94560
Mailing Addr 2:		**Owner Phone:**	5107973684
Owner Fax:			

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search

DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC002612093

2	9 of 21	N	0.00 / 0.00	20.41 / 1	6792 CENTRAL AVE NEWARK CA 945600000	HIST MANIFEST

Gen EPA ID:	CAD981385727
Create Date:	03/01/1988 0:00
Inact Date:	11/29/2007 0:00:00
Facility Mail Street:	4931 WINCHESTER PL
Facility Mail City:	NEWARK
Facility Mail State:	CA
Facility Mail Zip:	94560
Contact Phone(s):	5107965432
File Year(s):	1987; 1988; 1989; 1990; 1991; 1992
Contact Name(s):	AS LAWSON & KURT CARLSON DIR

Tanner Information

State Waste Code:	252	**Generator County:**	
Year:	1991	**Tsd Epa ID:**	CAD009452657
Tons:	1.37	**Tsd County:**	San Mateo
Method Code:	D99		
State Waste Code Desc:	Other still bottom waste		
Method Description:			

Tanner Information

State Waste Code:	181	**Generator County:**	
Year:	1992	**Tsd Epa ID:**	IDD073114654
Tons:	8.8	**Tsd County:**	Unknown
Method Code:	D80		
State Waste Code Desc:	Other inorganic solid waste		
Method Description:			

Tanner Information

State Waste Code:	461	**Generator County:**	
Year:	1987	**Tsd Epa ID:**	CAD020748125
Tons:	5.75	**Tsd County:**	Santa Barbara
Method Code:	D80		
State Waste Code Desc:	Paint sludge		
Method Description:			

Tanner Information

State Waste Code:	491	**Generator County:**	

Year: 1987
Tons: 7.5
Method Code: 3
State Waste Code Desc: Unspecified sludge waste
Method Description:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 491
Year: 1987
Tons: 10.25
Method Code: D80
State Waste Code Desc: Unspecified sludge waste
Method Description:
Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 252
Year: 1989
Tons: 3.88
Method Code: R01
State Waste Code Desc: Other still bottom waste
Method Description:
Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code: 212
Year: 1990
Tons: 0.83
Method Code: D99
State Waste Code Desc: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Method Description:
Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code:
Year: 1991
Tons: 1.5
Method Code: 3
State Waste Code Desc:
Method Description:
Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 181
Year: 1991
Tons: 1.5
Method Code: 3
State Waste Code Desc: Other inorganic solid waste
Method Description:
Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 252
Year: 1990
Tons: 1.31
Method Code: D99
State Waste Code Desc: Other still bottom waste
Method Description:
Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code: 252
Year: 1991
Tons: 0.45
Method Code:
State Waste Code Desc: Other still bottom waste
Method Description:

Generator County:
Tsd Epa ID: CAD09452657
Tsd County:

Tanner Information

State Waste Code: 181
Year: 1991
Tons: 7.9
Method Code: D80
State Waste Code Desc: Other inorganic solid waste
Method Description:

Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 461
Year: 1989
Tons: 1.65
Method Code: R01
State Waste Code Desc: Paint sludge
Method Description:

Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code: 252
Year: 1988
Tons: 5
Method Code: D80
State Waste Code Desc: Other still bottom waste
Method Description:

Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 241
Year: 1989
Tons: 1
Method Code: D80
State Waste Code Desc: Tank bottom waste
Method Description:

Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 181
Year: 1988
Tons: 4.65
Method Code: D80
State Waste Code Desc: Other inorganic solid waste
Method Description:

Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 171
Year: 1990
Tons: 0.46
Method Code:
State Waste Code Desc: Metal sludge (see 121)
Method Description:

Generator County:
Tsd Epa ID: CAD070148432
Tsd County:

Tanner Information

State Waste Code: 181
Year: 1988
Tons: 5.25
Method Code: D80
State Waste Code Desc: Other inorganic solid waste
Method Description:

Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 171
Year: 1991
Tons: 0.82
Method Code: T03
State Waste Code Desc: Metal sludge (see 121)
Method Description:

Generator County:
Tsd Epa ID: CAD070148432
Tsd County:

Tanner Information

State Waste Code: 252
Year: 1990
Tons: 1.5
Method Code: R01
State Waste Code Desc: Other still bottom waste
Method Description:

Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code:
Year: 1989
Tons: 0.9
Method Code: 3
State Waste Code Desc:
Method Description:

Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 181
Year: 1989
Tons: 22.18
Method Code: D80
State Waste Code Desc: Other inorganic solid waste
Method Description:

Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 461
Year: 1987
Tons: 0
Method Code:
State Waste Code Desc: Paint sludge
Method Description:

Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 252
Year: 1992
Tons: 2.52
Method Code: D99
State Waste Code Desc: Other still bottom waste

Generator County:
Tsd Epa ID: CAD009452657
Tsd County: Santa Clara

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Method Description:

Tanner Information

State Waste Code: 181
Year: 1992
Tons: 4
Method Code:
State Waste Code Desc: Other inorganic solid waste
Method Description:
Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 252
Year: 1988
Tons: 3.75
Method Code: D80
State Waste Code Desc: Other still bottom waste
Method Description:
Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 181
Year: 1989
Tons: 1.5
Method Code: 3
State Waste Code Desc: Other inorganic solid waste
Method Description:
Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

Tanner Information

State Waste Code: 252
Year: 1991
Tons: 4.05
Method Code: D99
State Waste Code Desc: Other still bottom waste
Method Description:
Generator County:
Tsd Epa ID: CAD009452657
Tsd County: Santa Clara

Tanner Information

State Waste Code: 252
Year: 1990
Tons: 1.25
Method Code:
State Waste Code Desc: Other still bottom waste
Method Description:
Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code: 181
Year: 1990
Tons: 10.15
Method Code: D80
State Waste Code Desc: Other inorganic solid waste
Method Description:
Generator County:
Tsd Epa ID: IDD073114654
Tsd County: Unknown

2	10 of 21	N	0.00 / 0.00	20.41 / 1	6792 CENTRAL AVE NEWARK CA 945600000	HIST MANIFEST

Gen EPA ID: CAX000129882
Create Date: 12/03/1984 0:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inact Date: 6/30/1998 0:00:00
Facility Mail Street: --
Facility Mail City: NEWARK
Facility Mail State: CA
Facility Mail Zip: 945600000
Contact Phone(s): 4157965432
File Year(s): 1984; 1985
Contact Name(s): GARY BOMER

Tanner Information

State Waste Code: 214
Year: 1984
Tons: 3.44
Method Code: H01
State Waste Code Desc: Unspecified solvent mixture
Method Description:
Generator County:
Tsd Epa ID: CAD009452657
Tsd County: San Mateo

Tanner Information

State Waste Code: 171
Year: 1985
Tons: 8.75
Method Code: T02
State Waste Code Desc: Metal sludge (see 121)
Method Description:
Generator County:
Tsd Epa ID: CAT000646117
Tsd County: Kings

2	11 of 21	N	0.00 / 0.00	20.41 / 1	BAY MIRROR INC 6792 CENTRAL AVE. NEWARK CA 94560	ICIS

EPA Region: 09
Registry ID: 110000483316
Pgm Sys ID: 7426479
Pgm Sys Acrnm: ICIS
Permit Type:
Federal Fac ID:
Tribal Land Code:
County: ALAMEDA
Latitude 83: 37.52596
Longitude 83: -122.02801

Details

Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY
Active Status:
Accuracy Value: 30
Pgm Report URL: no data yet
Federal Agency Name:
Federal Land Ind:
Public Ind: Yes
FIPS Code: 06001
HUC 8 Code: 18050003
HUC 12:
Fed Facility Code: No
Ref Point Desc: CENTER OF A FACILITY OR STATION
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Fac URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110000483316
Program URL:

Details

Interest Type: FORMAL ENFORCEMENT ACTION
Active Status:
Accuracy Value: 30
Pgm Report URL: no data yet
Federal Agency Name:
Federal Land Ind:
Public Ind: Yes
FIPS Code: 06001
HUC 8 Code: 18050003
HUC 12:
Fed Facility Code: No
Ref Point Desc: CENTER OF A FACILITY OR STATION
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER
Fac URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110000483316

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Program URL:						
2	12 of 21	N	0.00 / 0.00	20.41 / 1	TRNCH PLATE RENTAL CO 6792 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID: 110066247001
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER, UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 812990
NAICS Code Descriptions: ALL OTHER PERSONAL SERVICES.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52577
Longitude: -122.02764
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066247001
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:77596, RCRAINFO:CAL000468008

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	13 of 21	N	0.00 / 0.00	20.41 / 1	BAY MIRROR, INC 6792 CENTRAL AVE NEWARK CA 94560	EMISSIONS

1987 Criteria Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 20
ROGT: 17.96763
COT:
NOXT:
SOXT:
PMT:
PM10T:

1987 Toxic Data

Facility ID: 1662
Facility SIC Code: 3231
COID: ALA
DISN: BAY AREA AQMD

CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHAPIS:
CERR Code:

1990 Criteria Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 12.7
ROGT: 11.56952
COT: 0
NOXT: .2
SOXT: 0
PMT: 0
PM10T: 0

1990 Toxic Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1993 Criteria Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 13.7
ROGT: 12.43352
COT:
NOXT:
SOXT:
PMT:
PM10T:

1993 Toxic Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1995 Criteria Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CERR Code:
TOGT: 18.7
ROGT: 17.11871
COT:
NOXT:
SOXT:
PMT:

CHAPIS: **PM10T:**

1995 Toxic Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1996 Criteria Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:

CERR Code:
TOGT: 18.7
ROGT: 17.11871
COT:
NOXT:
SOXT:
PMT:
PM10T:

1996 Toxic Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1997 Criteria Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:

CERR Code:
TOGT: 16.6
ROGT: 15.20632
COT:
NOXT:
SOXT:
PMT:
PM10T:

1997 Toxic Data

Facility ID: 1662
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1998 Criteria Data

Facility ID:	1662	**CERR Code:**	
Facility SIC Code:	3231	**TOGT:**	11.9
CO:	1	**ROGT:**	11.78109
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1998 Toxic Data

Facility ID:	1662	**COID:**	ALA
Facility SIC Code:	3231	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	1662	**CERR Code:**	
Facility SIC Code:	3231	**TOGT:**	13.785
CO:	1	**ROGT:**	13.6182015
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1999 Toxic Data

Facility ID:	1662	**COID:**	ALA
Facility SIC Code:	3231	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	1662	**CERR Code:**	
Facility SIC Code:	3231	**TOGT:**	13.785
CO:	1	**ROGT:**	13.62
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2000 Toxic Data

Facility ID:	1662	**COID:**	ALA
Facility SIC Code:	3231	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	13115	***CERR Code:***	
Facility SIC Code:	3231	***TOGT:***	24.66
CO:	1	***ROGT:***	24.07
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:	Y	***PM10T:***	

2001 Toxic Data

Facility ID:	13115	***COID:***	ALA
Facility SIC Code:	3231	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Facility ID:	1662	***COID:***	ALA
Facility SIC Code:	3231	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2002 Toxic Data

Facility ID:	1662	***COID:***	ALA
Facility SIC Code:	3231	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	14 of 21	N	0.00 / 0.00	20.41 / 1	ARCH MIRROR WEST 6792 CENTRAL AVE NEWARK CA 94560	EMISSIONS

2002 Criteria Data

Facility ID:	13115	***CERR Code:***	
Facility SIC Code:	3231	***TOGT:***	24.662
CO:	1	***ROGT:***	24.3636382
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	

CHAPIS: Y
PM10T:

2002 Toxic Data

Facility ID: 13115
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS: Y
CERR Code:

2003 Criteria Data

Facility ID: 13115
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS: Y
CERR Code:
TOGT: 15.665
ROGT: 15.47
COT:
NOXT:
SOXT:
PMT:
PM10T:

2003 Toxic Data

Facility ID: 13115
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS: Y
CERR Code:

2004 Criteria Data

Facility ID: 13115
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS: Y
CERR Code:
TOGT: 10.014
ROGT: 9.892879
COT:
NOXT:
SOXT:
PMT:
PM10T:

2004 Toxic Data

Facility ID: 13115
Facility SIC Code: 3231
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS: Y
CERR Code:

2005 Criteria Data

Facility ID:	13115	**CERR Code:**	
Facility SIC Code:	3231	**TOGT:**	7.648
CO:	1	**ROGT:**	7.5555076
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2005 Toxic Data

Facility ID:	13115	**COID:**	ALA
Facility SIC Code:	3231	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	13115	**CERR Code:**	
Facility SIC Code:	3231	**TOGT:**	6.297
CO:	1	**ROGT:**	6.2208547
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2006 Toxic Data

Facility ID:	13115	**COID:**	ALA
Facility SIC Code:	3231	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	13115	**CERR Code:**	
Facility SIC Code:	3231	**TOGT:**	6.297
CO:	1	**ROGT:**	6.2208547
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2007 Toxic Data

Facility ID:	13115	**COID:**	ALA
Facility SIC Code:	3231	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Health Risk Asmt: **Non-Cancer Chronic Haz Ind:** **Non-Cancer Acute Haz Ind:**						
2	15 of 21	N	0.00 / 0.00	20.41 / 1	WITKIN AND JAFFE ENTERPRISES PROPERTY 6792 AND 6756 CENTRAL AVENUE NEWARK CA 94560	DELISTED LST

Delisted Delisted Leaking Storage Tanks

Global ID:	T10000013242	**County:**	ALAMEDA
Status:	OPEN - SITE ASSESSMENT	**Latitude:**	37.52575
Status Date:	8/1/2019	**Longitude:**	-122.02663
Case Type:	LUST CLEANUP SITE	**Oil Field:**	
Census Trace:		**Oil Field Operator:**	
RWQCB Region:			

Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	16 of 21	N	0.00 / 0.00	20.41 / 1	ARCH MIRROR WEST 6792 CENTRAL AVE NEWARK CA 94560	TRIS

TRI FD:	94560BYMRR6792C
FRS ID:	110000483316
BIA:	
Tribe:	
Facility Name:	ARCH MIRROR WEST
Street Address:	6792 CENTRAL AVE
City:	NEWARK
County:	ALAMEDA
State:	CA
Zip:	94560
Latitude:	37.525960
Longitude:	-122.028010

1991 Details

TRI FD:	94560BYMRR6792C	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	N100	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	2599	**RCRA C Landfill:**	0.000000
Primary NAICS:	327215	**Other Landfills:**	0.000000
Metal:	YES	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000

Chemical:	Copper compounds
Industry Sector Code:	327
Industry Sector:	Nonmetallic Mineral Product
Parent Co Name:	ARCH ALUMINUM & GLASS LLC
On Site Release Total:	0.000000
Off Site Release Total:	2694.000000
Off Site Recycled Total:	0.000000
Total Releases:	2694.000000
One Time Release:	

0.000000

Horizontal Datum:

NAD83

CAS No:

N100

PFAS:

NO

PBT:

NO

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2599	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	250.000000	***RCRA Surface IM:***	0.000000
Stack Air:	250.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	500.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	500.000000		

One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

1992 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N100	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2599	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Copper compounds		

Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 0.000000
Off Site Release Total: 2449.000000
Off Site Recycled Total: 0.000000
Total Releases: 2449.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

N100

PFAS:

NO

PBT:

NO

TRI FD: 94560BYMRR6792C
Federal Facility: NO
Cas No Compound ID: 0001330207
Classification: TRI
Primary SIC: 2599
Primary NAICS: 327215
Metal: NO
Carcinogen: NO
Fugitive Air: 250.000000
Stack Air: 250.000000
Water: 0.000000
Underground: 0.000000
Underground CL I: 0.000000
Underground C II-V: 0.000000
Landfills: 0.000000
RCRA C Landfill: 0.000000
Other Landfills: 0.000000
Land Treatment: 0.000000
Surface Impndmnt: 0.000000
RCRA Surface IM: 0.000000
Other Surface I: 0.000000
Other Disposal: 0.000000
Chemical: Xylene (mixed isomers)
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 500.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 500.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

1994 Details

TRI FD:	94560BYMRR6792C	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0001330207	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	2599	**RCRA C Landfill:**	0.000000
Primary NAICS:	327215	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	250.000000	**RCRA Surface IM:**	0.000000
Stack Air:	250.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	500.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	500.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

TRI FD:	94560BYMRR6792C	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	N100	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	2599	**RCRA C Landfill:**	0.000000
Primary NAICS:	327215	**Other Landfills:**	0.000000
Metal:	YES	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000
Chemical:	Copper compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	19800.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	19800.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

N100

PFAS:

NO

PBT:

NO

1995 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N100	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	2599	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Copper compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	250.000000		
Off Site Recycled Total:	10950.000000		
Total Releases:	250.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

N100

PFAS:

NO

PBT:

NO

1996 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007440508	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Copper		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	250.000000		

Off Site Recycled Total: 14100.000000
Total Releases: 250.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7440-50-8

PFAS:

NO

PBT:

NO

1997 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007440508	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000

Chemical: Copper
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 0.000000
Off Site Release Total: 250.000000
Off Site Recycled Total: 8600.000000
Total Releases: 250.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7440-50-8

PFAS:

NO

PBT:

NO

1998 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007440508	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000

Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000

Chemical: Copper
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 0.000000
Off Site Release Total: 12650.000000
Off Site Recycled Total: 0.000000
Total Releases: 12650.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7440-50-8

PFAS:

NO

PBT:

NO

1999 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007440508	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000

Chemical: Copper
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 0.000000
Off Site Release Total: 22000.000000
Off Site Recycled Total: 0.000000
Total Releases: 22000.000000
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7440-50-8

PFAS:

NO

PBT:

NO

2000 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007440508	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Copper		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	8000.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	8000.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7440-50-8

PFAS:

NO

PBT:

NO

2001 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	41452.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	41452.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	41452.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N420	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Lead compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	633.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	633.000000		

One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

N420

PFAS:

NO

PBT:

YES

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0000108383	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	11047.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	m-Xylene		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		

On Site Release Total: 11047.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 11047.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

108-38-3

PFAS:

NO

PBT:

NO

2002 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N420	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000

Chemical: Lead compounds
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 0.000000
Off Site Release Total: 1099.000000
Off Site Recycled Total: 0.000000
Total Releases: 1099.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

N420

PFAS:

NO

PBT:

YES

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000

Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	3479	**RCRA C Landfill:**	0.000000
Primary NAICS:	327215	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	34604.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000

Chemical: Xylene (mixed isomers)
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 34604.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 34604.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

TRI FD:	94560BYMRR6792C	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0000108383	**Underground C II-V:**	0.000000
Classification:	TRI	**Landfills:**	0.000000
Primary SIC:	3479	**RCRA C Landfill:**	0.000000
Primary NAICS:	327215	**Other Landfills:**	0.000000
Metal:	NO	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	10381.000000	**Other Surface I:**	0.000000
Water:	0.000000	**Other Disposal:**	0.000000

Chemical: m-Xylene
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: ARCH ALUMINUM & GLASS LLC
On Site Release Total: 10381.000000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 10381.000000
One Time Release:

0.000000

Horizontal Datum:

NAD83

CAS No:

108-38-3

PFAS:

NO

PBT:

NO

2003 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N420	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Lead compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	9145.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	9145.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

N420

PFAS:

NO

PBT:

YES

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3479	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	19626.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	19626.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	19626.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

2004 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N420	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:	3231	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Lead compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	228.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	228.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

N420

PFAS:

NO

PBT:

YES

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3231	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000

Stack Air:	20405.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	20405.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	20405.000000		
One Time Release:			

0.000000

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

2005 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N420	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:	3231	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Lead compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	64.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	64.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

N420

PFAS:

NO

PBT:

YES

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:	3231	***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	1695.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	1695.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	1695.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

2006 Details

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	N420	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:		***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Lead compounds		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	0.000000		
Off Site Release Total:	128.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	128.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

N420

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

PFAS:

NO

PBT:

YES

TRI FD:	94560BYMRR6792C	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0001330207	***Underground C II-V:***	0.000000
Classification:	TRI	***Landfills:***	0.000000
Primary SIC:		***RCRA C Landfill:***	0.000000
Primary NAICS:	327215	***Other Landfills:***	0.000000
Metal:	NO	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	951.000000	***Other Surface I:***	0.000000
Water:	0.000000	***Other Disposal:***	0.000000
Chemical:	Xylene (mixed isomers)		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	ARCH ALUMINUM & GLASS LLC		
On Site Release Total:	951.000000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	951.000000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

1330-20-7

PFAS:

NO

PBT:

NO

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	17 of 21	N	0.00 / 0.00	20.41 / 1	TRNCH PLATE RENTAL CO 6792 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAL000468008
Gen Status Universe:	No Report
Contact Name:	ROBERT ENGKVIST
Contact Address:	6792 CENTRAL AVE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-299-5976
Contact Email:	RENGKVIST@TPRCO.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20220119
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20220119
Handler Name:	TRNCH PLATE RENTAL CO
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	6792 CENTRAL AVE
Name:	ROBERT ENGKVIST	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-299-5976	***Country:***	
Source Type:	Implementer	***Zip Code:***	94560
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	13217 LAUDERDALE AVE
Name:	TRENCH PLATE RENTAL CO	***Street 2:***	
Date Became Current:		***City:***	DOWNEY
Date Ended Current:		***State:***	CA
Phone:	562-602-1777	***Country:***	
Source Type:	Implementer	***Zip Code:***	90242

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	18 of 21	N	0.00 / 0.00	20.41 / 1	6756-6792 CENTRAL AVE. NEWARK CA LLC 6756-6792 CENTRAL AVE. NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAC003163052
Gen Status Universe:	No Report
Contact Name:	JIM JEARY
Contact Address:	615 INTERNATIONAL PARKWAY , , TRACY , CA, 95377 ,
Contact Phone No and Ext:	209-833-5396
Contact Email:	JJEARY@PROLOGIS.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20220222
Location Latitude:	

Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20220222
Handler Name:	6756-6792 CENTRAL AVE. NEWARK CA LLC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1800 WAZEE ST. #500
Name:	6756-6792 CENTRAL AVE NEWARK CA LLC	***Street 2:***	
Date Became Current:		***City:***	DENVER
Date Ended Current:		***State:***	CO
Phone:	800-566-2706	***Country:***	
Source Type:	Implementer	***Zip Code:***	80202

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	615 INTERNATIONAL PARKWAY
Name:	JIM JEARY	***Street 2:***	
Date Became Current:		***City:***	TRACY
Date Ended Current:		***State:***	CA
Phone:	209-833-5396	***Country:***	
Source Type:	Implementer	***Zip Code:***	95377

2	***19 of 21***	***N***	***0.00 / 0.00***	***20.41 / 1***	***ARCH MIRROR WEST A DIVISION OF ARCH 6792 CENTRAL AVE NEWARK CA 945600000***	***HAZ GEN***

Epa ID:	CAD981385727	***Facility County:***	01
Address 2:		***County:***	Alameda
Details DTSC HWTS:	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search		
Handler Profile URL:	https://hwts.dtsc.ca.gov/facility/CAD981385727		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	20 of 21	N	0.00 / 0.00	20.41 / 1	WITKIN AND JAFFE ENTERPRISES PROPERTY 6792 AND 6756 CENTRAL AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: T10000013242
Site Facility Type:
Cleanup Status:
Status (SRCH): OPEN - SITE ASSESSMENT
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444601
RWQCB Region (DL):
Longitude:
Latitude:
Address: 6792 AND 6756 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01-3647
Local Case No: 0692
Begin Date: 8/1/2019
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Diesel
How Discovered:
Stop Method:
Stop Description:
Case Worker:
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt:
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source:
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
File Location: All Files are on GeoTracker or in the Local Agency Database
Site History:

The Site is in a mixed industrial and commercial area. In 1991, one 1,000-gallon diesel fuel underground storage tank (UST) and one 20,000 gallon diesel fuel aboveground storage tank (AST) were removed.

GeoTracker Sites Data Download - Status History

Status: Open - Site Assessment
Status Date: 2022-08-02 00:00:00

Status: Open - Case Begin Date
Status Date: 2019-08-01 00:00:00

Status: Open - Active
Status Date: 2019-08-01 00:00:00

Status: Open - Site Assessment
Status Date: 2019-08-01 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: AVA LAZOR
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 South Grimmer Boulevard
City: FREMONT
Email: ava.lazor@acwd.com
Phone No: 5106684411

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000013242
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 8/2/2022
Potential COC: DIESEL
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0692
CASE MANAGER: AVA LAZOR
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01-3647
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000013242&tabname=regulatoryhistory
Site History:

The Site is in a mixed industrial and commercial area. In 1991, one 1,000-gallon diesel fuel underground storage tank (UST) and one 20,000 gallon diesel fuel aboveground storage tank (AST) were removed.

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 10/28/2022
Received Issue Date: 10/28/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6082371
Title Description Comments:

Revised Data Gap Investigation Work Plan

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 8/1/2022
Received Issue Date: 8/1/2022

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6501201&temptable=ENFORCEMENT
Title Description Comments:

State Water Resources Control Board email correspondence regarding site transition from LUST to SCP case.

Action Type: Other Regulatory Actions
Action: Closure Denial Letter
Action Date: 5/20/2022
Received Issue Date: 5/20/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6495153&temptable=ENFORCEMENT
Title Description Comments:

Case Closure Request Denial Letter

Action Type: Response Requested - Other
Action: Request for Closure - Regulator Responded
Action Date: 3/24/2022
Received Issue Date: 3/24/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6073408
Title Description Comments:

FIRST AND SECOND QUARTER 2021 GROUNDWATER MONITORING AND REQUEST FOR SITE CLOSURE - Please contact Ava Lazor at (510) 668-4411 to discuss this closure request.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/28/2020
Received Issue Date: 5/28/2020
Doc Link:
Title Description Comments:

Updated Pathway to Closure and LTCP Checklist

Action Type: Reports
Action: Other Report
Action Date: 9/16/2019
Received Issue Date: 9/16/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6492942&temptable=ENFORCEMENT
Title Description Comments:

Groundwater Monitoring Well Installation Work Plan

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/22/2019
Received Issue Date: 8/22/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6414005&temptable=ENFORCEMENT
Title Description Comments:

Site kickoff letter

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 6/17/2019
Received Issue Date: 6/17/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6072927
Title Description Comments:

Comprehensive Phase II Environmental Site Assessment Findings

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Regulator Responded
Action Date: 3/19/2019
Received Issue Date: 3/19/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6072928
Title Description Comments:

Phase II Environmental Site Assessment Work Plan - Please contact Ava Lazor at 510-668-4411 with the Alameda County Water District to discuss the results of the 2019 Phase II Assessment Report.

Action Type: Agreements
Action: InterAgency Agreement
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6500043&temptable=ENFORCEMENT
Title Description Comments:

Agreement between RWQCB and ACWD

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/20/1992
Received Issue Date: 5/20/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6500041&temptable=ENFORCEMENT
Title Description Comments:

Hydrocarbon Contamination at Bay Mirror, Inc., 6756 Central Avenue, Newark

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 9/27/1991
Received Issue Date: 9/27/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6076566
Title Description Comments:

Underground Storage Tank Removal

Action Type: Response Requested - Other
Action: Unauthorized Release Form
Action Date: 8/28/1987
Received Issue Date: 8/28/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6076564
Title Description Comments:

Underground Storage Tank Unauthorized Release (Leak) / Contamination Site Report

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 5/11/1987
Received Issue Date: 5/11/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T10000013242&doc_id=6076565
Title Description Comments:

Sampling Report 05-11-1987

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 10/28/2022
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: AVA LAZOR (REGULATOR)
Title: REVISED DATA GAP INVESTIGATION WORK PLAN

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&document_id=6082371

Document Type: Site Documents **Document Date:** 8/1/2022
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: STATE WATER RESOURCES CONTROL BOARD EMAIL CORRESPONDENCE REGARDING SITE TRANSITION FROM LUST TO SCP CASE.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6501201

Document Type: Site Documents **Document Date:** 5/20/2022
Type: CLOSURE DENIAL LETTER **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: CASE CLOSURE REQUEST DENIAL LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6495153

Document Type: Site Documents **Document Date:** 3/24/2022
Type: REQUEST FOR CLOSURE **Submitted:**
Submitted By: FARALLON CONSULTING (AUTH_RP)
Title: FIRST AND SECOND QUARTER 2021 GROUNDWATER MONITORING AND REQUEST FOR SITE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8501559257/T10000013242.PDF

Document Type: Monitoring Reports **Document Date:** 9/17/2020
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: FARALLON CONSULTING (AUTH_RP)
Title: SECOND QUARTER 2020 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7036556541/T10000013242.PDF

Document Type: Site Documents **Document Date:** 4/20/2020
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: FARALLON CONSULTING (AUTH_RP)
Title: GROUNDWATER MONITORING WELL INSTALLATION AND SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6845225453/T10000013242.PDF

Document Type: Site Documents **Document Date:** 9/16/2019
Type: OTHER REPORT **Submitted:**
Submitted By: LAURENT MEILLIER (REGULATOR)
Title: GROUNDWATER MONITORING WELL INSTALLATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6492942

Document Type: Site Documents **Document Date:** 8/22/2019
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: DOUG YOUNG (REGULATOR)
Title: SITE KICKOFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6414005

Document Type: Site Documents **Document Date:** 6/17/2019
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: COMPREHENSIVE PHASE II ENVIRONMENTAL SITE ASSESSMENT FINDINGS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&document_id=6072927

Document Type: Site Documents **Document Date:** 3/19/2019
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: PHASE II ENVIRONMENTAL SITE ASSESSMENT WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&document_id=6072928

Document Type: Site Documents **Document Date:** 6/27/1996
Type: INTERAGENCY AGREEMENT **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: AGREEMENT BETWEEN RWQCB AND ACWD
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6500043

Document Type: Site Documents **Document Date:** 5/20/1992
Type: STAFF LETTER **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: HYDROCARBON CONTAMINATION AT BAY MIRROR, INC., 6756 CENTRAL AVENUE, NEWARK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&enforcement_id=6500041

Document Type: Site Documents
Document Date: 9/27/1991
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: UNDERGROUND STORAGE TANK REMOVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&document_id=6076566

Document Type: Site Documents
Document Date: 8/28/1987
Type: UNAUTHORIZED RELEASE FORM
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&document_id=6076564

Document Type: Site Documents
Document Date: 5/11/1987
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT
Submitted:
Submitted By: AVA LAZOR (REGULATOR)
Title: SAMPLING REPORT 05-11-1987
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000013242&document_id=6076565

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Site Assessment
Date: 8/2/2022

Status: Open - Case Begin Date
Date: 8/1/2019

Status: Open - Site Assessment
Date: 8/1/2019

Status: Open - Active
Date: 8/1/2019

GeoTracker Search - Related Cases (as of October 16, 2023)

Association: Related Global ID
Description:
Identifier: T0600191526
Project Name: BAY MIRROR INC
Project Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600191526
Address: 6756 CENTRAL AVE
City: NEWARK
Status: COMPLETED - CASE CLOSED

2	21 of 21	N	0.00 / 0.00	20.41 / 1	6756-6792 CENTRAL AVE. NEWARK CA LLC 6756-6792 CENTRAL AVE. NEWARK CA 94560	FINDS/FRS

Registry ID: 110071226414
FIPS Code: 06001
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 09-MAR-22
Update Date:
Interest Types: UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 531110
NAICS Code Descriptions: LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071226414
Data Source: Facility Registry Service - Single File
Program Acronyms:

RCRAINFO:CAC003163052

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 1	NNE	0.00 / 0.00	19.62 / 0	KING TRUCK REPAIR 6754 CENTRAL AVE NEWARK CA 94560	HAZNET

SIC Code: 7538
NAICS Code: 811111
EPA ID: CAL000336157
Create Date: 9/8/2008 4:47:06 PM
Fac Act Ind: No
Inact Date: 6/30/2010
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 6756 CENTRAL AVE
Mailing Addr 2:
Owner Fax: 0000000000
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600000
Region Code: 2
Owner Name: MANGAL GILL
Owner Addr 1: PO BOX 14072
Owner Addr 2:
Owner City: FREMONT
Owner State: CA
Owner Zip: 945391472
Owner Phone: 5107919800
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAL000336157

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of1	WNW	0.01 / 28.34	18.52 / -1	PG&E Sycamore St & Central Ave Newark CA	CHMIRS

Control No: 22-3707
County: Alameda County
Year: 2022
URL:
Notified Date: 6/29/2022 2:25:00 PM
Notified Date Time:

Spill Report View

Water:
Document Title: SPILL Report
Spill Site: Merchant/Business
Type: PETROLEUM
Creation Date: 06/29/2022 02:25 PM

Hazardous Materials Spill Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date :	06/29/2022	**Water Involved:**	No
Time:	1425	**Drink Wtr Impact:**	No
Incident Date:	06/29/2022	**Detail for Other:**	
Incident Time:	0700	**UPRR Rim No:**	
Control Cal OES:	22-3707	**DOG Unit:**	
Control NRC:		**RWQCB Unit:**	2
Contained:	Stopped, Contained		
Waterway:	None		
Received By:			
Cleanup By:	Contractor		
Incident Location:	Sycamore St & Central Ave		
Additional County:			
1 Substance:	Transformer Oil (non PCB)		
1 Qty:	=		
1 Amount :	30		
1 Measure:	Gal(s)		
1 Type:	PETROLEUM		
1 Other:			
1 Pipeline:	No		
1 Ves >= 300 Tons:	No		
2 Substance:			
2 Qty:	=		
2 Amount:			
2 Measure:			
2 Type:			
2 Other:			
2 Pipeline:	No		
2 Ves >= 300 Tns:	No		
3 Substance:			
3 Qty:	=		
3 Amount:			
3 Measure:			
3 Type:			
3 Other:			
3 Pipeline:	No		
3 Ves >= 300 Tons:	No		
Injuries:	No		
Fatality:	No		
Evacuation:	No		
Known Impact:	None		
Agency:	PG&E		
PRS Agency:			
Sec Agency:	Newark Fire Department		
Admin Agency:	Alameda County Environmental Health		
Admin Agency 2:			
On Scene:	Police Dept.		
Other on Scene:			
Other Notified:			
Header Unknown:	BAY AREA AQMD		
Site:	Merchant/Business		
Reported Cause:	Collision		
R R Crssing < 50 Ft:			
Description:	RP States: A third party vehicle struck a pole causing the pole mounted transformer to fall releasing transformer oil onto the asphalt and dirt, no waterways were impacted. A contractor is on scene for spill mitigation.		

California Hazardous Material Incident Report System (2022)

Incident Date:	6/29/2022	**Injuries Yes/No:**	No
Time:	700	**Injuries No:**	
Water:	No	**Fatals Yes/No:**	No
Cause:	Collision	**Fatals No:**	
DOG No:		**Evacs Yes/No:**	No
Spill Site:	Merchant/Business		
Site:	None		
City:	Newark		
County:	Alameda County		
Zip:			
Contained:	Stopped,Contained		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Water Way:	None
Evacs No:	
Cleanup:	Contractor
A1 Substance:	Transformer Oil (non PCB)
A1 Quantity:	30
A1 Measure:	Gal(s)
A1 Type:	PETROLEUM
A1 Other:	
A1 Pipeline:	No
A1 Vessel 300 Tons:	No
A2 Substance:	
A2 Quantity:	
A2 Measure:	
A2 Type:	
A2 Other:	
A2 Pipeline:	No
A2 Vessel 300 Tons:	No
A3 Substance:	
A3 Quantity:	
A3 Measure:	
A3 Type:	
A3 Other:	
A3 Pipeline:	No
A3 Vessel 300 Tons:	No
Cause Other:	
Admin Agency:	Alameda County Environmental Health
Notification Area:	AA/CUPA,DTSC,RWQCB,US EPA,USFWS,Co/Hlth,Co/E-Hlth
Description:	RP States: A third party vehicle struck a pole causing the pole mounted transformer to fall releasing transformer oil onto the asphalt and dirt, no waterways were impacted. A contractor is on scene for spill mitigation.
Location:	Sycamore St & Central Ave

5	***1 of1***	***WSW***	***0.01 / 30.92***	***19.47 / 0***	***UPRR Newark Rail Yard/Central at Sycamore Newark CA 68179***	***CHMIRS***

Control No:		**Notified Date:**	1/16/200303:53:26 PM
County:	Alameda County	**Notified Date Time:**	
Year:	2003		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	**Bbls:**	0
Substance:	Train Derailment	**Cups:**	0
Incident Date:	1/16/200312:00:00 AM	**Cu Ft:**	0
No of Injuries:	0	**Gals:**	0.000000
No of Fatals:	0	**Grams:**	0
No of Evacs:	0	**Lbs:**	0
Cleanup:	Responsible Party	**Liters:**	0
Water:	No	**Oz:**	0
Water Way:		**Pts:**	0
City:	Newark	**Qts:**	0
County:	Alameda County	**Sheen:**	0
ZIP:	68179	**Tons:**	0
Site:	Rail Road	**Unknown:**	0
Admin Agency:	Newark Fire Department		
Location:	Newark Rail Yard/Central at Sycamore		
Description:	There is no hazardous material involved. 1 railcar derailed, is upright. This occurred inside the rail yard.		

6	***1 of1***	***NNW***	***0.01 / 32.44***	***19.16 / 0***	***BRITECH ELECTROPOLISHING INC NEWARK CA***	***PFAS IND***

Status:	Active	**Fac Fips Code:**	06001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CWA; RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011019	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	Y
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	71.694	**TRI Reporter:**	-
Fac Pop Den:	3969.33	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	1
Region:	09	**Date Last Inspection:**	10/8/2021
Latitude:	37.52583	**Days Last Inspection:**	785
Longitude:	-122.02811		

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	CAZ457348
CWA Permit Types:	Non-M
CWA NAICS:	-
CWA SICS:	3471
RCRA IDs:	CAR000176883
RCRA Permit Types:	LQG
RCRA NAICS:	332813
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02811,%22y%22:37.52583,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110031289898
Industry:	Metal Coating

7	1 of1	NNW	0.01 / 32.76	19.04 / 0	**MATHESON TRI GAS NEWARK** **NEWARK CA**	PFAS IND

Status:	Inactive	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CWA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011019	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	Y
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	N
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Percent Minority:	71.762	**TRI Reporter:**	-
Fac Pop Den:	4007.62	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA COUNTY	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.5261	**Days Last Inspection:**	-
Longitude:	-122.02789		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	CAZ180729		
CWA Permit Types:	Non-M		
CWA NAICS:	-		
CWA SICS:	2813		
RCRA IDs:	-		
RCRA Permit Types:	-		
RCRA NAICS:	-		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	N		
Fac Collection Meth:	-		
EJSCREEN Flag Us:	Y		
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02789,%22y%22:37.5261,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1		
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110070087297		
Industry:	Industrial Gas		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of1	NNW	0.01 / 34.04	19.00 / 0	BAY MIRROR INC NEWARK CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011019	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	3/8/2004	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	9/28/2007	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	94560BYMRR6792C
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	71.708	**TRI Reporter:**	-
Fac Pop Den:	3984.46	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	8/9/2005
Latitude:	37.52596	**Days Last Inspection:**	6689
Longitude:	-122.02801		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	-		
CWA Permit Types:	-		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CWA NAICS: -
CWA SICS: -
RCRA IDs: CAD981385727
RCRA Permit Types: SQG
RCRA NAICS: 327215
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: N
Fac Collection Meth: ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us: Y
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02801,%22y%22:37.52596,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110000483316

Industry: Glass Products

9	1 of1	NW	0.01 / 45.42	19.40 / 0	**CURA INK** **6803 CENTRAL** **NEWARK CA 945600000**	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAC002248561
Create Date: 5/10/2000
Fac Act Ind: No
Inact Date: 6/11/2001
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: 4510 PERALTA BLVD
Mailing Addr 2:
Owner Fax:
Mailing City: FREMONT
Mailing State: CA
Mailing Zip: 945360000
Region Code: 2
Owner Name: CURA INK INC
Owner Addr 1: 4510 PERALTA BLVD
Owner Addr 2:
Owner City: FREMONT
Owner State: CA
Owner Zip: 945360000
Owner Phone: 5107394141
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC002248561

10	1 of1	WNW	0.01 / 46.27	18.52 / -1	**BUS SERVICE-DIVISION 6** **39730 SYCAMORE STREET** **CENTRAL** **NEWARK CA 94560**	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035cce.pdf

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11	1 of3	N	0.01 / 47.84	19.88 / 1	**JAFEC USA, Inc.** **6799 CENTRAL AVE** **NEWARK CA 94560**	CERS HAZ

Site ID: 423385
Latitude: 37.526382
Longitude: -122.027746

Regulated Programs

EI ID: 10738216
EI Description: Hazardous Waste Generator

EI ID: 10738216
EI Description: Chemical Storage Facilities

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Notes:

Returned to compliance on 08/19/2023. Employees are not inspecting the hazardous waste storage containers for evidence of leaks or corrosion at least once per week, as evidenced by: • Open waste oil containers in the drum storage area along the northern fence line. • Unlabeled waste oil containers in the drum storage area area along the northern fence line. • Unattended waste oil spills on the 55-gallon drums, on the ground, and in the secondary containment units in the drum storage area along the northern fence line. Conduct (and document) weekly inspections of the hazardous waste containers to ensure they are not leaking or corroding. Submit a copy of the corresponding inspection logs to Alameda County CUPA by 8/20/2023 to close this violation.

Violation Description:

Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.

Violations

Violation Date: 12/05/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 12/08/2022.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 07/28/2023. Unattended waste oil spills were observed in the following areas: • On the ground next to a pallet of 5-gallon oil containers near the heavy machinery in the yard (moderate spill). • On the 5-gallon oil containers sitting on the pallet mentioned above (moderate spill). • On the ground in approximately fifteen (15) places where maintenance had occurred throughout the yard (small spills). • On the 55-gallon drums used for waste oil storage near the northwestern fence line (small spills). • On the ground around the 55-gallon drums near the northwestern fence line (moderate spills). • Inside the secondary containment units for the 55 drums used for waste oil storage near the northwestern fence line (moderate spills). This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to further enforcement action. Clean up all spilled oil and manage any solids (dirt) contaminated with used oil as a haza... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 08/23/2023. The site map in CERS does not include the location of the emergency shut offs (for power, water, gas, etc.), emergency response equipment (fire extinguishers), or evacuation staging area. Add the missing items to the site map in CERS no later than 8/20/2023. A complete site map includes: • A north orientation arrow • Internal roads • Adjacent streets • Loading areas • Storm and sewer drains • Access and exit points • Hazardous material handling and storage areas • Emergency response equipment • Emergency shutoffs (power, water, gas) • Evacuation staging areas

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/05/2019. The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities for the following materials: a. 55 gallon drum of used oil observed in hazardous material/hazardous waste storage area b. eight 55 gallon drums of various new oils observed in hazardous material/hazardous waste storage area Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities in CERS within 30 days.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25160(b)(1)(C) - California Health and Safety Code, Chapter 6.5, Section(s) 25160(b)(1)(C)
Violation Notes:

Returned to compliance on 12/05/2019. The generator has not sent a legible copy of each Uniform Hazardous Waste Manifest to the DTSC within 30 days of shipment. A copy of manifest #011252532 was not sent to DTSC. Send a copy of all uniform hazardous waste manifests to the DTSC and submit proof of correctio to ACDEH within 30 days.

Violation Description:

Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 08/23/2023. The facility failed to update their hazardous materials inventory within 30 days of handling of the previously undisclosed hazardous materials at or above reportable quantities: • Approximately 220 gallons of waste oil stored in 55-gallon drums along the northwestern fence line. • Approximately 70 gallons of liquid oxygen stored in a cryogenic tank (a dewar) inside the shop. This is a repeated violation that is being elevated to a Class II violation. Add the undisclosed hazardous materials to the hazardous materials inventory in the California Environmental Reporting System (CERS) no later than 8/20/2023 (and within 30 days of handling a previously undisclosed hazardous material at or above reportable quantities moving forward).

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS

Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 11/19/2019. The business failed to maintain training records for the Hazardous Material Business Plan (HMBP) program for a minimum of three years. Observed no written training records during the inspection. Per Safety Manager, training is provided to all employees in the HMBP. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years. Submit training record to ACDEH within 30 days.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 12/04/2019. Uniform Hazardous Waste Manifest #011252532 signed by the Designated Facility for Non-RCRA Hazardous Waste Solid (Oily Debris) on 7/11/2019 was for was not available at the time of inspection. Locate manifest #011252532 signed by the Designated Facility and submit a copy to ACDEH within 30 days.

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 11/26/2019. Used oil was observed in the hazardous waste containment in the hazardous waste storage area. Submit photos/documentation to the ACDEH demonstrating the spill has been properly removed and managed.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 08/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/15/2019.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 08/25/2023. The 55-gallon drums used to store waste oil were not properly labeled as hazardous waste (approximately 25 drums were observed onsite, but the yard supervisor (Mike Steele) stated only 3-4 were being used to store waste oil). Label all 55-gallon drums used to store waste oil as hazardous waste no later than 8/20/2023. Hazardous waste labels must include: • The words "Hazardous Waste" • The name and address of the facility • The accumulation start date • The contents of the hazardous waste container (contaminate rags) • The physical state of the wastes (liquids or solids) • The hazardous properties of the waste (flammable, reactive, corrosive, or toxic) Submit a picture of this to Alameda County CUPA to close this violation.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

Returned to compliance on 08/24/2023. The facility has not made a hazardous waste determination for the fine metal powders generated by the Dayton bench grinder. These powders were observed on the floor around the bench grinder and the storage unit on the northeastern boundary of the property. Complete one (1) of the following options no later than 8/20/2023: 1. Manage fine metal powders as hazardous waste. This includes collecting them and storing them in closed, labeled containers, and disposing of them within 180 days of their accumulation start date. 2. Prove that the fine metal powders are not hazardous waste by tested them at a State-certified laboratory. To do this: contact a State-certified laboratory to request a sieve analysis for 100-micron fines and a TTLC/STLC (WET) test for CAM 17 metals, send them a sample of the metal powders for testing, compare the test results to the regulatory thresholds for hazardous waste, and submit a copy of the test results to Alameda County CUPA.

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 12/05/2019. The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. Observed the following new material: a. 55 gallon drum of used oil observed in hazardous material/hazardous waste storage area b. eight 55 gallon drums of various new oils observed in hazardous material/hazardous waste storage area Update all submittal elements effected by the change (s) and electronically submit the update in CERS within 30 days.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 08/19/2023. Employee training records pertaining to the Hazardous Materials Business Plan (HMPB) program were not available onsite. The yard supervisor (Mike Steele) said that training is provided annually, but that he could not find the corresponding training records. This is a repeated violation that is being elevated to a Class II violation. Provide HMBP training to all facility employees and submit the corresponding training records to Alameda County CUPA no later than 8/20/2023. HMBP training must include: • Procedures for the mitigation of a release or threatened release of hazardous materials. • Evacuation plans and procedures, including immediate notice, for the business site. • Immediate notification to the appropriate local emergency response personnel and to the unified program agency (in the event of a release of hazardous materials). HMBP training must be refreshed annually and training records must be kept onsite for a minimum of three (3) years.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

Returned to compliance on 12/05/2019. The business failed to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions. Notify the property owner in writing that the business is subject to the business plan program and has complied with its provisions. Submit documentation of correction to the ACDEH within 30 days.

Violation Description:

Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.

Violations

Violation Date: 11/19/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 11/26/2019. Emergency information is not posted next to the telephone. Complete and post all required emergency information next to the telephone.

Violation Description:

Failure to post the following information next to the telephone:
(A) The name and telephone number of the emergency coordinator;
(B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and
(C) The telephone number of the fire department, unless the facility has a direct alarm.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 08/25/2023. One (1) of the 55-gallon drums used to store waste oil was observed with an open bung cap. Replace the bung cap for this waste oil drum and keep all hazardous waste containers closed except when adding or removing wastes. Submit a picture of the closed waste oil drum to Alameda County CUPA no later than 8/20/2023 to close this violation.

Violation Description:

Failure to meet the following container management requirements:
(a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
(b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 08/23/2023. The following hazardous materials were observed onsite above the reportable threshold quantities, but were not accounted for in the hazardous materials inventory in CERS: • Approximately 220 gallons of waste oil stored in 55-gallon drums along the northwestern fence line. • Approximately 70 gallons of liquid oxygen stored in a cryogenic tank (a dewar) inside the shop. Add these hazardous materials to the hazardous materials inventory in CERS no later than 8/20/2023.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 08/18/2023. The 24-hour phone numbers listed for the primary and secondary emergency contacts in CERS are for the main office in San Jose, CA. Update these phones numbers so that the primary and secondary emergency contacts can be contacted directly in the event of an emergency. Correct no later than 8/20/2023.

Violation Description:

Failure to report program data electronically.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Notes:

Returned to compliance on 08/23/2023. The facility failed to maintain adequate aisle space around the 55-gallon drums used to store waste oil. The waste oil drums were comingled with non-hazardous waste drums and stored in 2x2 and 3x3 grids along the northwestern fence line. Separate the waste oil drums and maintain enough aisle space around them to allow for unobstructed access of emergency personnel and equipment no later than 8/20/2023. Submit pictures of this to Alameda County CUPA to close this violation.

Violation Description:

Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.

Violations

Violation Date: 06/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Returned to compliance on 08/24/2023. Employees were not thoroughly familiar with proper hazardous waste storage/handling procedures, as evidenced by: • Open waste oil containers in the drum storage area. • Unlabeled waste oil containers in the drum storage area. • Unattended waste oil spills on the ground and containers throughout the facility. Provide onsite employees with hazardous waste training and submit the corresponding training records to Alameda County CUPA no later than 8/20/2023. Hazardous waste training must include: • Storage and labeling requirements • Spill control and mitigation procedures • Container and tank inspection requirements • Accumulation time limits Submit the corresponding training records to Alameda County CUPA to close this violation.

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Enforcements

Enf Action Date: 08/06/2018
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 06/23/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine Hazardous Materials Business Plan (HMBP) inspection. Inspection conducted by Alameda County CUPA inspector Luke Voropaeff. Consent to inspect provided by Yard Supervisor, Mike Steele. • JAFEC USA, Inc. is a heavy equipment maintenance yard that stores/handles hazardous materials above the reportable threshold quantities. • The facility's Hazardous Materials Business Plan (HMBP) is managed by the Safety Manager, Araceli Inda. • All violations cited above must be corrected within thirty (30) days of receiving this report. • Violations may be closed by submitting the required documentation or pictures to this department (email is preferred). The inspection report was not written onsite. It was emailed to mikesteele@jafecusa.com and araceli@jafecusa.com on 7/21/2023.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/19/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine Hazardous Materials Business Plan (HMBP) inspection of JAFEC USA, Inc. located at 6799 Central Avenue Newark, CA 94560. Met with Araceli Inda, Safety Manager, and Michael Steele, Yard Supervisor, who granted consent to perform inspection. Alameda County Department of Environmental Health (ACDEH) to provide inspection report by email to: Araceli@jafecusa.com. JAFEC USA, Inc. is a drilling company, providing excavation support, ground anchors, deep foundations, marine construction of quays and seawalls, cut-off walls & seepage barriers, sediment stabilization and liquefaction mitigation. Hazardous material inventory includes new and used oil and welding gases including compressed acetylene, argon, and oxygen.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 06/23/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW

Eval Source: CERS
Eval Notes:

Routine Hazardous Waste Generator inspection. Inspection conducted by Alameda County CUPA inspector Luke Voropaeff. Consent to inspect provided by Yard Supervisor, Mike Steele. • JAFEC USA, Inc. is a heavy equipment maintenance yard that generates less than 1000 kg of hazardous waste each month, and qualifies as a Conditionally Exempt Small Quantity Universal Waste Generator. • Observed hazardous waste streams included waste oil, waste antifreeze, spent lead-acid batteries, fine metal powders generated by the bench grinder, and universal wastes. • All violations cited above must be corrected within thirty (30) days of receiving this report. • Violations may be closed by submitting the required documentation or pictures to this department (email is preferred). The inspection report was not written onsite. It was emailed to mikesteele@jafecusa.com and araceli@jafecusa.com on 7/21/2023.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/19/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Routine Hazardous Waste Generator (HWG) inspection of JAFEC USA, Inc. located at 6799 Central Avenue Newark, CA 94560. Met with Araceli Inda, Safety Manager, and Michael Steele, Yard Supervisor, who granted consent to perform inspection. Alameda County Department of Environmental Health (ACDEH) to provide inspection report by email to: Araceli@jafecusa.com. JAFEC USA, Inc. is a drilling company, providing excavation support, ground anchors, deep foundations, marine construction of quays and seawalls, cut-off walls & seepage barriers, sediment stabilization and liquefaction mitigation. Hazardous waste streams includes used oil, used antifreeze, parts washer waste, and used oil filters. Facility is a small quantity generator.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/05/2022
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Araceli Inda
Entity Title: Corporate Safety Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6799 Central Ave
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Environmental Contact
Entity Name: Araceli Inda
Entity Title:
Address: 2025 Gateway Pl Suit 230
City: San Jose
State: CA
Country:
Zip Code: 95110
Phone:

Affil Type Desc: Parent Corporation
Entity Name: JAFEC USA, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: JAFEC USA, Inc
Entity Title:
Address: 2025 Gateway Place Suite 345
City: San Jose
State: CA
Country: United States
Zip Code: 95110
Phone: (408) 467-2240

Affil Type Desc: Document Preparer
Entity Name: Araceli Inda
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: JAFEC USA, Inc
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (669) 243-1797

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	2 of3	N	0.01 / 47.84	19.88 / 1	JAFEC USA INC 6799 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000447095
Gen Status Universe: No Report
Contact Name: TOMOMI ALBERT
Contact Address: 2025 GATEWAY PL STE 180 , , SAN JOSE , CA, 95110 ,
Contact Phone No and Ext: 408-467-2240
Contact Email: TOMOMI_ALBERT@JAFECUSA.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20190627

Location Latitude: 37.525957
Location Longitude: -122.028084

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190627
Handler Name: JAFEC USA INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: TOMOMI ALBERT
Date Became Current:
Date Ended Current:
Phone: 408-467-2240
Source Type: Implementer
Street No:
Street 1: 2025 GATEWAY PL STE 180
Street 2:
City: SAN JOSE
State: CA
Country:
Zip Code: 95110

Owner/Operator Ind: Current Owner
Type: Other
Name: JAFEC USA INC
Date Became Current:
Date Ended Current:
Phone: 408-467-2240
Source Type: Implementer
Street No:
Street 1: 2025 GATEWAY PL STE 180
Street 2:
City: SAN JOSE
State: CA
Country:
Zip Code: 95110

11	3 of3	N	0.01 / 47.84	19.88 / 1	JAFEC USA INC 6799 CENTRAL AVE NEWARK CA 94560	FINDS/FRS

Registry ID: 110070593363
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Create Date:	20-AUG-19
Update Date:	
Interest Types:	OTHER HAZARDOUS WASTE ACTIVITIES **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	238910
NAICS Code Descriptions:	SITE PREPARATION CONTRACTORS.
Conveyor:	RCRAINFO
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	13
Census Block Code:	060014446011019
EPA Region Code:	09
County Name:	ALAMEDA
US/Mexico Border Ind:	
Latitude:	37.525957
Longitude:	-122.028084
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	GDT-ADDRESS MATCHING (GEOCODING)
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070593363
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

RCRAINFO:CAL000447095

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	1 of6	SSE	0.01 / 72.15	20.11 / 1	ALAMEDA COUNTY WATER DISTRICT NEWARK DESALINATION FACILITY 6833 REDEKER PL NEWARK CA 94560-4231	FINDS/FRS

Registry ID:	110038028817
FIPS Code:	06001
HUC Code:	18050003
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-FEB-09
Update Date:	01-JUN-17
Interest Types:	AIR EMISSIONS CLASSIFICATION UNKNOWN, HAZARDOUS WASTE BIENNIAL REPORTER, STATE MASTER, VSQG **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:	4941
SIC Code Descriptions:	WATER SUPPLY **Note: Many records provided by the department have a truncated [SIC Code Descriptions] field.
NAICS Codes:	221310
NAICS Code Descriptions:	WATER SUPPLY AND IRRIGATION SYSTEMS.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	13
Census Block Code:	060014446011019
EPA Region Code:	09
County Name:	ALAMEDA
US/Mexico Border Ind:	
Latitude:	37.52402
Longitude:	-122.024699
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110038028817
Data Source: Facility Registry Service - Single File
Program Acronyms:

BR:CAL000269584, CA-CERS:10188239, CA-ENVIROVIEW:89682, EIS:10517411, RCRAINFO:CAL000269584

12	2 of6	SSE	0.01 / 72.15	20.11 / 1	ACWD NEWARK DESALINATION FACILITY DISCHARGES TO OUTFALL E-14 6833 REDEKER NEWARK CA 94560	FINDS/FRS

Registry ID: 110066698577
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 14-OCT-15
Update Date:
Interest Types: STATE MASTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52402
Longitude: -122.024699
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066698577
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:348540

12	3 of6	SSE	0.01 / 72.15	20.11 / 1	ACWD DESALINATION FACILITY 6833 REDEKER PL NEWARK CA 94560	CERS HAZ

Site ID: 89682
Latitude: 37.524122
Longitude: -122.024678

Regulated Programs

EI ID: 10188239 **EI Description:** Chemical Storage Facilities

EI ID: 10188239 ***EI Description:*** Hazardous Waste Generator

EI ID: 10188239 ***EI Description:*** RCRA LQ HW Generator

EI ID: 10188239 ***EI Description:*** Hazardous Chemical Management

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 11/08/2017. OBSERVATIONS: Two drums of waste sodium hydroxide 50% solution are currently stored on the stair landing blocking the exit door in Room #2 Sodium Hydroxide. CORRECTIVE ACTIONS: Remove these two drums and do not store hazardous waste on any stair landing that would block an emergency exit. Submit a written statement on how hazardous waste will be stored in the future. OBSERVATION: Employee training records on hazardous materials handling and emergency response procedures was not available. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan. If training has not occurred in the last year, conduct the training immediately and submit a copy of the training documentation.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.4(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.4(a)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator failed to ensure that each employee presently operating a process, and each employee newly assigned to a covered process has been trained or tested competent in the operating procedures provided in Section 2755.3 that pertain to their duties. Training documentation provided shows a date of 2018 and has not been done in three years. Submit documentation to the CUPA demonstrating that each employee presently operating a process, and each employee newly assigned to a covered process has been trained or tested competent in the operating procedures that pertain to their duties. Refresher training needs to be conducted.

Violation Description:

Failure to ensure that each employee presently operating a process, and each employee newly assigned to a covered process has been trained or tested competent in the operating procedures provided in Section 2755.3 that pertain to their duties.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Notes:

Returned to compliance on 11/09/2017. OBSERVATIONS: Two drums of waste sodium hydroxide 50% solution are currently stored on the stair landing blocking the exit door in Room #2 Sodium Hydroxide. CORRECTIVE ACTIONS: Remove these two drums and do not store hazardous waste on any stair landing that would block an emergency exit. Submit a written statement on how hazardous waste will be stored in the future.

Violation Description:

Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless aisle space is not needed for any of these purposes.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health

Citation: 19 CCR 4.5 2755.1(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(b)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator failed to ensure that the process is designed in compliance with recognized and generally accepted good engineering practices. Applicable standards are mentioned but failed to include the year of the standards. Submit documentation to the CUPA demonstrating you have ensured that the process is designed in compliance with recognized and generally accepted good engineering practices. Provide the year the system was installed and the applicable standards for that year.

Violation Description:

Failure to ensure that the process is designed in compliance with recognized and generally accepted good engineering practices.

Violations

Violation Date: 03/18/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 04/28/2014.

Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 18 66268.7(a) - California Code of Regulations, Title 22, Chapter 18, Section(s) 66268.7(a)
Violation Notes:

Returned to compliance on 11/09/2017. OBSERVATION: The facility does not have land disposal restriction (LDR) certificates for two manifests: #014380286JJK dated 7/31/15 and #016098970JJK dated 5/15/17. CORRECTIVE ACTION: Obtain and submit a copy of the LDR certifications to the CUPA for the above listed manifests.

Violation Description:

Failure to determine if the waste has to be treated before it can be land disposed and retain the documentation at least three years from the date that the waste was last sent to on-site or off-site treatment, storage, or disposal.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2735.5(b)(2) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2735.5(b)(2)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator of the stationary source failed to include a registration in the Risk Management Plan that reflects all covered processes. No county registration form used. Information from 2740.1 (d) 8-12 is missing Submit a copy of the registration to the CUPA that reflects all covered processes.

Violation Description:

Failure to include a registration in the Risk Management Plan that reflects all covered processes.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 11/09/2017. OBSERVATION: Employee training records on hazardous materials handling and emergency response procedures was not available. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan. If training has not occurred in the last year, conduct the training immediately and submit a copy of the training documentation.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 03/18/2014 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)
Violation Notes:

Returned to compliance on 05/17/2014.

Violation Description:

Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following:
1. Initial startup;
2. Normal operations;
3. Temporary operations;
4. Emergency shutdown and operations;
5. Normal shutdown;
6. Startup following a normal or emergency shutdown or a major change that requires a hazard review;
7. Consequences of deviations and steps required to correct or avoid deviations;
8. Equipment inspections.

Violations

Violation Date: 03/18/2014 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.6(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(a)
Violation Notes:

Returned to compliance on 05/17/2014.

Violation Description:

Failure to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under this chapter are adequate and are being followed.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2740.1(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2740.1(b)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator of the stationary source failed to complete the registration information required in Section 2740.1(d) and submit it with the Risk Management Plan to the CUPA. See 31 above Complete and submit a copy of the registration information required in section 2740.1(d) to the CUPA.

Violation Description:

Failure to complete the registration information required in section 2740.1(d) and submit it with the Risk Management Plan to the UPA.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.1(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.1(a)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator failed to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment: Material Safety Data Sheets related to the regulated substance(s); maximum intended inventory of equipment in which the regulated substances are stored or processed; safe upper and lower temperatures, pressures, flows and compositions; equipment specifications; Codes and standards used to design, build & operate the process. Tank information is contradictory to actual tank. Submit a copy of the following up-to-date safety information related to the regulated substances, processes, and equipment to the CUPA: Material Safety Data Sheets related to the regulated substance(s); maximum intended inventory of equipment in which the regulated substances are stored or processed; safe upper and lower temperatures, pressures, flows and compositions; equipment specifications; Codes and standard... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to compile and maintain the following up-to-date safety information related to the regulated substances, processes, and equipment:
1. Material Safety Data Sheets that meet the requirements of Section 5189 of Title 8 of CCR;
2. Maximum intended inventory of equipment in which the regulated substances are stored or processed;
3. Safe upper and lower temperatures, pressures, flows and compositions;
4. Equipment specifications;
5. Codes and standards used to design, build & operate the process.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2740.1(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2740.1(d)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator of the stationary source failed to include all the data required in Section 2740.1(d)(1) through (d)(20) in the registration. See 31 above. Complete and resubmit a copy of the registration including all information required in Section 2740.1(d)(1) through (d)(20) to the CUPA.

Violation Description:

Failure to include the data required in 2740.1 (d)(1) through (d)(20) in the registration.

Violations

Violation Date: 03/21/2016 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 03/28/2016.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.4(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.4(b)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator failed to provide refresher training at least every three years, and more often if necessary, to each employee operating a process to ensure that the employee understands and adheres to the current operating procedures of the process. Last refresher training was done in 2018 Submit documentation to the CUPA demonstrating that each employee operating a process has received refresher training. Conduct refresher training every 3 years.

Violation Description:

Failure to provide refresher training at least every three years, and more often if necessary, to each employee operating a process to ensure that the employee understands and adheres to the current operating procedures of the process.

Violations

Violation Date: 10/17/2017 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.2(f) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.2(f)
Violation Notes:

Returned to compliance on 07/11/2018.

Violation Description:

Failure to resolve all issues identified in the hazard review before startup of the changed process.

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.6(d) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.6(d)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator failed to promptly determine and document an appropriate response to each of the findings of the compliance audit and document the completion dates when deficiencies have been corrected. Facility conducted it at 1.5 years. It should be conducted at 1 year Submit documentation to the UPA demonstrating the owner/operator has documented an appropriate response to each of the findings of the compliance audit including completion dates for deficiencies that have been corrected.

Violation Description:

Failure to:

1. Promptly determine and document an appropriate response to each of the findings of the compliance audit;

2. Enter into an agreement with the UPA on a timetable for resolution of these findings. Otherwise these responses shall be completed one and one-half (1.5) years after performing the compliance audit, or the next planned turnaround for items requiring a turnaround (these timelines shall not apply to any compliance audit completed prior to January 1, 2015);

3. Document the actual completion dates when deficiencies were corrected.

Violations

Violation Date: 03/18/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 04/28/2014.

Violation Description:

Business Plan Program - Administration/Documentation - General

Violations

Violation Date: 03/10/2022 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2745.10.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2745.10.5(b)
Violation Notes:

Returned to compliance on 08/08/2022. The owner/operator failed to correct and submit the emergency contact information in the Risk Management Plan required under Section 2740.1(d)(6) within one month of any change. Correct and submit a copy of the emergency contact information in the Risk Management Plan required under Section 2740.1(d)(6) to the CUPA.

Violation Description:

Failure to correct and submit the emergency contact information in the Risk Management Plan required under Section 2740.1(d)(6) within one month of any change.

Enforcements

Enf Action Date: 03/23/2016
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 03/10/2022
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

On site at ACWD Desalination Facility located at 6833 Redeker Pl. Newark for the HMBP, RCRA LQG HW Generator and CalARP inspections. Sukla De, ACDEH was also present during the inspection. Met with facility representatives Thomas Spankowski, Johanna Sayo and Cris Pena.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

All violations noted in this Hazardous Waste Generator inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/21/2016
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/10/2022
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval Notes:

On site at ACWD Desalination Facility located at 6833 Redeker Pl. Newark for the HMBP, RCRA LQG HW Generator and CalARP inspections. Sukla De, ACDEH was also present during the inspection. Met with facility representatives Thomas Spankowski, Johanna Sayo and Cris Pena.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Facility is to determine the correct tank size of the hydrofluosilicic acid tank. The three site maps indicate the tank size as 5600 gallons and the chemical inventory in CERS states it as 5200 gallons. Facility is to remove the wording on both the front and back door entrances to Room #6 Sulfuric Acid. Ensure that all small containers connected to the pumps by plastic tubing in each chemical room has a fitted lid or has some other way to close the container more securely. Hazardous materials handling and emergency response procedures training shall be documented electronically or by hard copy and shall be made available for a minimum of three years. All violations noted in this HMBP inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/18/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/18/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

HW GENERATOR INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/17/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

CALARP INSPECTION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/18/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Eval Date: 03/10/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

On site at ACWD Desalination Facility located at 6833 Redeker Pl. Newark for the HMBP, RCRA LQG HW Generator and CalARP inspections. Sukla De, ACDEH was also present during the inspection. Met with facility representatives Thomas Spankowski, Johanna Sayo and Cris Pena.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: Johanna Sayo
Entity Title:
Address: PO BOX 5110
City: Fremont
State: CA
Country:
Zip Code: 94537
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: PO BOX 5110
City: Fremont
State: CA
Country:
Zip Code: 94537
Phone:

Affil Type Desc: Legal Owner
Entity Name: Alameda County Water District
Entity Title:
Address: PO BOX 5110
City: Fremont
State: CA
Country: United States
Zip Code: 94537
Phone: (510) 668-4200

Affil Type Desc: Document Preparer
Entity Name: Johanna Sayo
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Alameda County Water District (ACWD)
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 668-4200

Affil Type Desc: Identification Signer

Entity Name:	Johanna Sayo
Entity Title:	Environmental Specialist
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Property Owner
Entity Name:	Alameda County Water District
Entity Title:	
Address:	PO BOX 5110
City:	Fremont
State:	CA
Country:	United States
Zip Code:	94537
Phone:	(510) 668-4200

Affil Type Desc:	CUPA District
Entity Name:	Alameda County Env Health
Entity Title:	
Address:	1131 Harbor Parkway, Suite 240
City:	Alameda
State:	CA
Country:	
Zip Code:	94502-6577
Phone:	(510) 567-6700

Affil Type Desc:	Parent Corporation
Entity Name:	ACWD DESALINATION FACILITY
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Coordinates

Env Int Type Code:	CalARP	**Longitude:**	-122.024680
Program ID:	10188239	**Coord Name:**	
Latitude:	37.524120	**Ref Point Type Desc:**	Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	4 of6	SSE	0.01 / 72.15	20.11 / 1	ALAMEDA COUNTY WATER DISTRICT 6833 REDEKER PLACE NEWARK CA 94560	EMISSIONS

2003 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	.002
CO:	1	**ROGT:**	0
Air Basin:	SF	**COT:**	.006
District:	BA	**NOXT:**	.028
COID:	ALA	**SOXT:**	.001
DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	0

2003 Toxic Data

Facility ID:	12810	**COID:**	ALA

Facility SIC Code: 4941
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2004 Criteria Data

Facility ID: 12810
Facility SIC Code: 4941
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .002
ROGT: .0016734
COT: .006
NOXT: .028
SOXT: .001
PMT: .001
PM10T: .000976

2004 Toxic Data

Facility ID: 12810
Facility SIC Code: 4941
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2005 Criteria Data

Facility ID: 12810
Facility SIC Code: 4941
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .002
ROGT: .0016734
COT: .006
NOXT: .028
SOXT: .001
PMT: .001
PM10T: .000976

2005 Toxic Data

Facility ID: 12810
Facility SIC Code: 4941
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2006 Criteria Data

Facility ID: 12810
Facility SIC Code: 4941
CO: 1
Air Basin: SF
District: BA
COID: ALA
CERR Code:
TOGT: .002
ROGT: .0016734
COT: .006
NOXT: .028
SOXT: .001

DISN:	BAY AREA AQMD	**PMT:**	.001
CHAPIS:		**PM10T:**	.000976

2006 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	0
CO:	1	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	0
CO:	1	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2008 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	0
CO:	1	**ROGT:**	0
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2009 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	.001
CO:	1	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.004
District:	BA	**NOXT:**	.011
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	. 00102459016393442622950819672131147540 9836
CHAPIS:		**PM10T:**	.001

2011 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	.001

CO:	1	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.004
District:	BA	**NOXT:**	.011
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.00102459016393442622950819672131147540 9836
CHAPIS:		**PM10T:**	.001

2012 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	.001
CO:	1	**ROGT:**	.0008367
Air Basin:	SF	**COT:**	.002
District:	BA	**NOXT:**	.005
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2013 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	12810	**CERR Code:**	
Facility SIC Code:	4941	**TOGT:**	.000554959
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	.00167586
District:	BA	**NOXT:**	.004840232
COID:	ALA	**SOXT:**	.000003574
DISN:	BAY AREA AQMD	**PMT:**	.00022818
CHAPIS:		**PM10T:**	.000219053

2014 Toxic Data

Facility ID:	12810	**COID:**	ALA
Facility SIC Code:	4941	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2015 Criteria Data

Facility ID:	12810	***CERR Code:***	
Facility SIC Code:	4941	***TOGT:***	.001338184
CO:	1	***ROGT:***	.001302842
Air Basin:	SF	***COT:***	.004041035
District:	BA	***NOXT:***	.01167135
COID:	ALA	***SOXT:***	.000008617
DISN:	BAY AREA AQMD	***PMT:***	.000550215
CHAPIS:		***PM10T:***	.000528206

2015 Toxic Data

Facility ID:	12810	***COID:***	ALA
Facility SIC Code:	4941	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	12810	***CERR CODE:***	
Facility SIC Code:	4941	***TOGT:***	.001338184
CO:	1	***ROGT:***	.001175594644
Air Basin:	SF	***COT:***	.004041035
District:	BA	***NOXT:***	.011671353
COID:	ALA	***SOXT:***	.000008617
DISN:	BAY AREA AQMD	***PMT:***	.000550215
CHAPIS:		***PM10T:***	.000528206

2016 Toxic Data

Facility ID:	12810	***TS:***	
Facility SIC Code:	4941	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	ALA	***AH Index:***	
CO:	1	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	12810	***CERR Code:***	
Facility SIC Code:	4941	***TOGT:***	.001645961
CO:	1	***ROGT:***	.0014459767385
Air Basin:	SF	***COT:***	.00497046
District:	BA	***NOXT:***	.011947673
COID:	ALA	***SOXT:***	.000010599
DISN:	BAY AREA AQMD	***PMT:***	.000676763
CHAPIS:		***PM10T:***	.000649692

2017 Toxic Data

Facility ID:	12810	***COID:***	ALA

Facility SIC Code:	4941	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	12810	***CERR Code:***	
Facility SIC Code:	4941	***TOGT:***	.001647054
CO:	1	***ROGT:***	.001446936939
Air Basin:	SF	***COT:***	.004973759
District:	BA	***NOXT:***	.011955601
COID:	ALA	***SOXT:***	.000010606
DISN:	BAY AREA AQMD	***PMT:***	.000677212
CHAPIS:		***PM10T:***	.000650123

2018 Toxic Data

Facility ID:	12810	***COID:***	ALA
Facility SIC Code:	4941	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	12810	***ROGT:***	.001771925715
District:	BA	***COT:***	.00609089
Facility SIC Code:	4941	***NOXT:***	.014640887
CO ID:	ALA	***SOXT:***	.000012988
DISN:	BAY AREA AQMD		
PM10T:	.000796144		
TOGT:	.00201699		
PMT:	.000829317		

2019 Toxic Data

CO:	1	***DISN:***	BAY AREA AQMD
Air Basin:	SF	***CHAPIS:***	
Faccility ID:	12810	***CERR Code:***	
District:	BA	***TS:***	
Facility SIC Code:	4941	***Health Risk Asmt:***	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	12810	***ROGT:***	.001771925715
District:	BA	***COT:***	.00609089
Facility SIC Code:	4941	***NOXT:***	.014640887

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO ID:	ALA	**SOXT:**	.000012988
DISN:	BAY AREA AQMD		
TOGT:	.00201699		
PMT:	.000829317		
PM10T:	.000796144		

2020 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Facility ID:	12810	**CHERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	4941	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

12	5 of6	SSE	0.01 / 72.15	20.11 / 1	**ACWD NEWARK DESALINATION FACILITY** **6833 REDEKER PLACE** **NEWARK CA 94560**	RCRA VSQG

EPA Handler ID:	CAL000269584
Gen Status Universe:	VSG
Contact Name:	MIKE WICKHAM
Contact Address:	P.O. BOX 5110 , , FREMONT , CA, 94537 , US
Contact Phone No and Ext:	510-668-6516
Contact Email:	MIKE.WICKHAM@ACWD.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	District
Receive Date:	20220223
Location Latitude:	37.525122
Location Longitude:	-122.023562

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20100927

Handler Name: ACWD NEWARK DESALINATION FACILITY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20220223
Handler Name: ACWD NEWARK DESALINATION FACILITY
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20220223
Handler Name: ACWD NEWARK DESALINATION FACILITY
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	District	**Street 1:**	PO BOX 5110
Name:	ALAMEDA COUNTY WATER DISTRICT	**Street 2:**	
Date Became Current:	20001221	**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-668-4200	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94537
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	District	**Street 1:**	P.O. BOX 5110
Name:	ALAMEDA COUNTY WATER DISTRICT	**Street 2:**	
Date Became Current:	20001221	**City:**	FREMONT
Date Ended Current:		**State:**	CA

Phone:	510-668-4200	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94537
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	District	**Street 1:**	P.O. BOX 5110
Name:	ALAMEDA COUNTY WATER DISTRICT	**Street 2:**	
Date Became Current:	20001221	**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-668-4200	**Country:**	US
Source Type:	Notification	**Zip Code:**	94537
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	District	**Street 1:**	PO BOX 5110
Name:	ALAMEDA COUNTY WATER DISTRICT	**Street 2:**	
Date Became Current:	20001221	**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-668-4200	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94537
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	District	**Street 1:**	P.O. BOX 5110
Name:	ALAMEDA COUNTY WATER DISTRICT	**Street 2:**	
Date Became Current:	20001221	**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-668-4200	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94537
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	District	**Street 1:**	P.O. BOX 5110
Name:	ALAMEDA COUNTY WATER DISTRICT	**Street 2:**	
Date Became Current:	20001221	**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-668-4200	**Country:**	US
Source Type:	Notification	**Zip Code:**	94537

Historical Handler Details

Receive Dt:	20220223
Generator Code Description:	Very Small Quantity Generator
Handler Name:	ACWD NEWARK DESALINATION FACILITY
Receive Dt:	20100927
Generator Code Description:	Large Quantity Generator
Handler Name:	ACWD NEWARK DESALINATION FACILITY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	6 of6	SSE	0.01 / 72.15	20.11 / 1	**ALAMEDA COUNTY WATER DIST** **6833 REDEKER PL** **NEWARK CA 94560**	HAZ GEN

Epa ID:	CAL000269584	**Facility County:**	01
Address 2:		**County:**	Alameda
Details DTSC HWTS:	The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search		
Handler Profile URL:	https://hwts.dtsc.ca.gov/facility/CAL000269584		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	1 of6	ENE	0.01 / 77.34	22.73 / 4	**PACIFIC COAST TRANSPORTATION SERVICES** **37853 CHERRY ST** **NEWARK CA 94560**	CLEANUP SITES

Global ID:	SL0600172614	**Case Type (DL):**	
Site Facility Type:		**Census Tract:**	6001444601
Cleanup Status:		**RWQCB Region (DL):**	
Status (SRCH):	COMPLETED - CASE CLOSED	**Longitude:**	
Status (DL):		**Latitude:**	

Status Date (DL):
Address: 37853 CHERRY ST
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0658
Local Case No: 0854
Begin Date: 8/28/2004
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Waste Oil / Motor / Hydraulic / Lubricating, Diesel, Gasoline
How Discovered: * Other Means
Stop Method:
Stop Description:
Case Worker: DY
Military DoD Site: No
Leak Reported Dt: 2004-09-15 00:00:00
No Further Action Dt: 2008-07-22 00:00:00
Potential Media of Concern: Under Investigation
How Discovered Description: SOIL SAMPLING DURING SUMP CLOSURE
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
File Location: Local Agency
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2008-07-22 00:00:00

Status: Open - Site Assessment
Status Date: 2006-06-24 00:00:00

Status: Open - Case Begin Date
Status Date: 2004-08-28 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: DOUG YOUNG
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: douglas.young@acwd.com
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location: LOCAL AGENCY
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600172614
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 7/22/2008
Potential COC: DIESEL, GASOLINE, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Potential Media of Concern: UNDER INVESTIGATION
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0854
CASE MANAGER: DOUG YOUNG
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0658
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600172614&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 12/16/2004
End Date: 12/16/2004
Phase: Soil
Contaminant Mass Removed:
Description: SOIL AND CONCRETE REMOVED FROM FORMER SUMP AREA

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter - #01S0658
Action Date: 7/21/2008
Received Issue Date: 7/21/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600172614&enforcement_id=5982191&temptable=ENFORCEMENT
Title Description Comments:

No Further Action Letter issued

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/8/2008

Received Issue Date: 5/8/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600172614&enforcement_id=6402743&temptable=ENFORCEMENT
Title Description Comments:

ACVWD Recommendation for SLIC Case Closure Cover Letter

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 5/17/2006
Received Issue Date: 5/17/2006
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600172614&doc_id=5699998
Title Description Comments:

Initiation of Spill, Leaks, Investigation, and Cleanup Case

Action Type: Cleanup Action
Action: Excavation
Action Date: 12/16/2004
Received Issue Date:
Doc Link:
Title Description Comments:

SOIL AND CONCRETE REMOVED FROM FORMER SUMP AREA

Action Type: Leak Action
Action: Leak Reported
Action Date: 9/15/2004
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 8/28/2004
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 7/21/2008
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: NO FURTHER ACTION LETTER ISSUED
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600172614&enforcement_id=5982191

Document Type: Site Documents ***Document Date:*** 6/26/2008
Type: REPORTS - OTHER ***Submitted:***
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1556548178/SL0600172614.PDF

Document Type: Site Documents ***Document Date:*** 5/8/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: MADELEINE LITTLE (REGULATOR)
Title: ACVWD RECOMMENDATION FOR SLIC CASE CLOSURE COVER LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600172614&enforcement_id=6402743

Document Type: Site Documents ***Document Date:*** 4/21/2008
Type: REPORTS - QUARTERLY STATUS REPORT ***Submitted:***
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: FIRST QUARTER 2008

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1610066294/SL0600172614.PDF

Document Type: Monitoring Reports **Document Date:** 1/21/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: FOURTH QUARTER 2007 AND REQUEST FOR CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8014971673/SL0600172614.PDF

Document Type: Monitoring Reports **Document Date:** 12/17/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: THIRD QUARTER GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5465306162/SL0600172614.PDF

Document Type: Monitoring Reports **Document Date:** 7/25/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: SECOND QUARTER 2007 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2103777825/SL0600172614.PDF

Document Type: Monitoring Reports **Document Date:** 5/20/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: FIRST QUARTER 2007 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8622556924/SL0600172614.PDF

Document Type: Site Documents **Document Date:** 3/19/2007
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7212269663/SL0600172614.PDF

Document Type: Site Documents **Document Date:** 3/19/2007
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4330967783/SL0600172614.PDF

Document Type: Site Documents **Document Date:** 5/17/2006
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: (REGULATOR)
Title: INITIATION OF SPILL, LEAKS, INVESTIGATION, AND CLEANUP CASE - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600172614&document_id=5699998

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: GEO_BORE (B-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4971328556/SL0600172614.pdf

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7143188297/SL0600172614.pdf

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: GEO_BORE (B-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6087145745/SL0600172614.pdf

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: GEO_BORE (B-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9456007242/SL0600172614.pdf

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: GEO_BORE (B-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7994921624/SL0600172614.pdf

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: GEO_BORE (MW-A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6269148111/SL0600172614.pdf

Submitted: 3/19/2007
Submitted By: MISTY KALTREIDER (AUTH_RP)
Title: GEO_BORE (MW-B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6997637689/SL0600172614.pdf

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 7/22/2008

Status: Open - Site Assessment
Date: 6/24/2006

Status: Open - Case Begin Date
Date: 8/28/2004

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	2 of6	ENE	0.01 / 77.34	22.73 / 4	PACIFIC COAST TRANSPORTATION SERVICES 37853 CHERRY ST NEWARK CA 94560	FINDS/FRS

Registry ID: 110065857558
FIPS Code:
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 13-OCT-15
Update Date:
Interest Types: STATE MASTER **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.52547
Longitude: -122.02502
Reference Point: CENTER OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 30
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110065857558
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:215802

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	3 of6	ENE	0.01 / 77.34	22.73 / 4	PACIFIC COAST TRANSPORTATION SERVICES 37853 CHERRY ST NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600172614
Fac ID:
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	4 of6	ENE	0.01 / 77.34	22.73 / 4	PACIFIC COAST BLDG PROD - PABCO GYPSUM 37853 CHERRY STREET NEWARK CA 958160000	HAZ GEN

Epa ID: CAL000008633
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000008633

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	5 of6	ENE	0.01 / 77.34	22.73 / 4	TRUCK SHOP- NEWARK 37853 CHERRY ST NEWARK CA 945604348	HAZ GEN

Epa ID: CAL000268245
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000268245

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	6 of6	ENE	0.01 / 77.34	22.73 / 4	PACIFIC COAST BLDG PROD - TRUCK SHOP 37853 CHERRY STREET NEWARK CA 945600000	HAZ GEN

Epa ID: CAL000002467
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000002467

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of24	ENE	0.02 / 90.03	21.20 / 2	37851 CHERRY STREET NEWARK CA	ERNS

NRC Report No: 645117
Type of Incident: MOBILE
Incident Cause: OPERATOR ERROR

Latitude Degrees:
Latitude Minutes:
Latitude Seconds:

Incident Date:	16-May-2003 00:00:00	**Longitude Degrees:**	
Incident Location:	AT A SATELLITE PLANT	**Longitude Minutes:**	
Incident Dtg:	DISCOVERED	**Longitude Seconds:**	
Distance from City:		**Lat Quad:**	
Distance Units:		**Long Quad:**	
Direction from City:		**Location Section:**	
Location County:	ALAMEDA	**Location Township:**	
Potential Flag:	Yes	**Location Range:**	
Year:	Year 2003 Reports		

Description of Incident: THE CALLER REPORTED THAT A DRIVER GOT CAUGHT UP ON A POWER TAKE OFF WHILE UNLOADING PROPANE. NO MATERIAL WAS RELEASED.

Calls Information

Date Time Received:	16-May-2003 10:24:50	**Responsible City:**	HOUSTON
Date Time Complete:	16-May-2003 10:35:46	**Responsible State:**	TX
Call Type:	INC	**Responsible Zip:**	77040
Resp Company:	AMERIGAS PROPANE	**Source:**	TELEPHONE
Resp Org Type:	PRIVATE ENTERPRISE		

Incident Information

Tank ID:		**Building ID:**	
Tank Regulated:	U	**Location Area ID:**	
Tank Regulated By:		**Location Block ID:**	
Capacity of Tank:		**OCSG No:**	
Capacity Tank Units:		**OCSP No:**	
Description of Tank:		**State Lease No:**	
Actual Amount:		**Pier Dock No:**	
Actual Amount Units:		**Berth Slip No:**	
Tank Above Ground:	ABOVE	**Brake Failure:**	N
NPDES:		**Airbag Deployed:**	
NPDES Compliance:	U	**Transport Contain:**	U
Init Contin Rel No:		**Location Subdiv:**	
Contin Rel Permit:		**Platform Rig Name:**	
Contin Release Type:		**Platform Letter:**	
Aircraft ID:		**Allision:**	N
Aircraft Runway No:		**Type of Structure:**	
Aircraft Spot No:		**Structure Name:**	
Aircraft Type:		**Structure Oper:**	U
Aircraft Model:		**Transit Bus Flag:**	
Aircraft Fuel Cap:		**Date Time Norm Serv:**	
Aircraft Fuel Cap U:		**Serv Disrupt Time:**	
Aircraft Fuel on Brd:		**Serv Disrupt Units:**	
Aircraft Fuel OB U:		**CR Begin Date:**	
Aircraft Hanger:		**CR End Date:**	
Road Mile Marker:		**CR Change Date:**	
Power Gen Facility:	U	**FBI Contact:**	
Generating Capacity:		**FBI Contact Dt Tm:**	
Type of Fixed Obj:		**Passenger Handling:**	
Type of Fuel:		**Passenger Route:**	XXX
DOT Crossing No:		**Passenger Delay:**	XXX
DOT Regulated:	U	**Sub Part C Test Req:**	XXX
Pipeline Type:		**Conductor Test:**	
Pipeline Abv Ground:	ABOVE	**Engineer Test:**	
Pipeline Covered:	U	**Trainman Test:**	
Exposed Underwater:	N	**Yard Foreman Test:**	
Railroad Hotline:		**RCL Operator Test:**	
Railroad Milepost:		**Brakeman Test:**	
Grade Crossing:	N	**Train Dispat Test:**	
Crossing Device Ty:		**Signalman Test:**	
Ty Vehicle Involved:		**Oth Employee Test:**	
Device Operational:	Y	**Unknown Test:**	

Incident Details Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release Secured:	U	**State Agen Report No:**	NO REPORT #
Release Rate:		**State Agen on Scene:**	LOCAL POLICE AND FIRE DEPT
Release Rate Unit:		**State Agen Notified:**	
Release Rate Rate:		**Fed Agency Notified:**	
Est Duration of Rel:		**Oth Agency Notified:**	
Desc Remedial Act:	LOCAL POLICE AND FIRE DEPT ON SCENE	**Body of Water:**	
Fire Involved:	N	**Tributary of:**	
Fire Extinguished:	U	**Near River Mile Make:**	
Any Evacuations:	N	**Near River Mile Mark:**	
No Evacuated:		**Offshore:**	N
Who Evacuated:		**Weather Conditions:**	UNKNOWN
Radius of Evac:		**Air Temperature:**	
Any Injuries:	N	**Wind Direction:**	
No. Injured:		**Wind Speed:**	
No. Hospitalized:		**Wind Speed Unit:**	
No. Fatalities:	1	**Water Supp Contam:**	U
Any Fatalities:	Y	**Water Temperature:**	
Any Damages:	N	**Wave Condition:**	
Damage Amount:		**Current Speed:**	
Air Corridor Closed:	N	**Current Direction:**	
Air Corridor Desc:		**Current Speed Unit:**	
Air Closure Time:		**EMPL Fatality:**	1
Waterway Closed:	N	**Pass Fatality:**	
Waterway Desc:		**Community Impact:**	N
Waterway Close Time:		**Passengers Transfer:**	UNK
Road Closed:	N	**Passenger Injuries:**	
Road Desc:		**Employee Injuries:**	
Road Closure Time:		**Occupant Fatality:**	
Road Closure Units:		**Sheen Size:**	
Closure Direction:		**Sheen Size Units:**	
Major Artery:	No	**Sheen Size Length:**	
Track Closed:	N	**Sheen Size Length U:**	
Track Desc:		**Sheen Size Width:**	
Track Closure Time:		**Sheen Size Width U:**	
Track Closure Units:		**Sheen Color:**	
Track Close Dir:		**Dir of Sheen Travel:**	
Media Interest:	NONE	**Sheen Odor Desc:**	
Medium Desc:	NON-RELEASE (N/A)	**Duration Unit:**	
Addl Medium Info:		**Additional Info:**	THE CALLER WILL NOTIFY:OSHA THE DRIVER OF THE TRUCK WAS CUT UP. HE WAS CARRYING PROPANE.

14	2 of24	ENE	0.02 / 90.03	21.20 / 2	**PABCO BUILDING PRODUCTS LLC** **37851 CHERRY ST** **NEWARK CA 94560-4348**	**RCRA SQG**

EPA Handler ID:	CAR000146217
Gen Status Universe:	Small Quantity Generator
Contact Name:	JOHN HURTT
Contact Address:	PO BOX 405 , , NEWARK , CA, 94560-0405 , US
Contact Phone No and Ext:	510-792-9555
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20030501
Location Latitude:	37.527516
Location Longitude:	-122.023458

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20030501
Handler Name:	PABCO BUILDING PRODUCTS LLC
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	
Name:	PABCO BUILDING PRODUCTS LLC	***Street 2:***	
Date Became Current:	20030401	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	JOHN HURTT	***Street 2:***	
Date Became Current:	19980211	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	3 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY ST NEWARK CA 94560	FINDS/FRS

Registry ID:	110001163339
FIPS Code:	06001
HUC Code:	18050003
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	01-MAR-00
Update Date:	01-JUN-17
Interest Types:	HAZARDOUS AIR POLLUTANT MAJOR, ICIS-NPDES NON-MAJOR, OSHA ESTABLISHMENT, SQG, STATE MASTER, STORM WATER INDUSTRIAL, TRI REPORTER **Note: Many records provided by the department

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

have a truncated [Interest Types] field.
SIC Codes: 3275
SIC Code Descriptions: GYPSUM PRODUCTS **Note: Many records provided by the department have a truncated [SIC Code Descriptions] field.
NAICS Codes: 327420
NAICS Code Descriptions: GYPSUM PRODUCT MANUFACTURING.
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446012051
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.527506
Longitude: -122.023292
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110001163339
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-CERS:10002994, CA-ENVIROVIEW:54508, EIS:137311, NPDES:CAZ180857, OSHA-OIS:343005534, RCRAINFO:CAR000146217, TRIS:94560PBCGY37851

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	4 of24	ENE	0.02 / 90.03	21.20 / 2	2395 ALAMEDA COUNTY WATER DISTRICT 37851 CHERRY ST NEWARK CA 94560	FINDS/FRS

Registry ID: 110043368227
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 30-MAR-11
Update Date:
Interest Types: LEAKING UNDERGROUND STORAGE TANK - ARRA **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: FRS-GEOCODE
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13
Census Block Code: 060014446012051
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.527506
Longitude: -122.023292
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value: 50
Datum: NAD83
Source:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110043368227
Data Source: Facility Registry Service - Single File
Program Acronyms:

LUST-ARRA:3223

14	5 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY ST NEWARK CA 94560	LUST

Global ID: T0600101019
Site Facility Type:
Status: Completed - Case Closed
Status Date (DL): 9/11/2013
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): PABCO GYPSUM
Address: 37851 CHERRY ST
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444601
Census Tract (SRCH): 6001444601
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: YES
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: UUU
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-1108
Local Case No: TT0310
File Location: Local Agency
Potential COC: Stoddard solvent / Mineral Spriits / Distillates
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 6/15/1992
How Discovered: Tank Closure
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Physc / Mech Damage
Discharge Source: Tank
EPA Region: 9
Leak Reported Dt: 1992-06-15 00:00:00
Military DoD Site: No
No Further Action Dt: 2013-09-11 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)

Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: DOUG YOUNG
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: douglas.young@acwd.com
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 9/11/2013

Status: Open - Verification Monitoring
Status Date: 6/15/1992

Status: Open - Case Begin Date
Status Date: 6/15/1992

Status: Open - Eligible for Closure
Status Date: 6/15/1992

Status: Open - Site Assessment
Status Date: 6/15/1992

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: PABCO GYPSUM
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 37851 CHERRY ST
City: NEWARK
Zip: 94560
County: ALAMEDA
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101019
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 9/11/2013
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101019&tabname=regulatoryhistory
Potential COC: STODDARD SOLVENT / MINERAL SPRIITS / DISTILLATES
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location: LOCAL AGENCY
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management: NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL
NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL
NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: TT0310
CASE MANAGER: DOUG YOUNG
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1108
CASE MANAGER: Regional Water Board
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
CUF Claim No: 2395
CUF Priority Assig: C
CUF Amount Paid: $386,495
WDR Place Type:
WDR File No:
WDR Order No:

Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Desc:
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date : 9/11/2013

Status: Open - Site Assessment
Date : 6/15/1992

Status: Open - Verification Monitoring
Date : 6/15/1992

Status: Open - Case Begin Date
Date : 6/15/1992

Status: Open - Eligible for Closure
Date : 6/15/1992

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 3/19/1997
End Date: 3/25/1997
Phase: Soil
Contaminant Mass Removed: 1,430 Tons
Description:

Action Type: FREE PRODUCT REMOVAL
Begin Date: 3/17/1997
End Date: 3/18/1997
Phase: Other (See Description)
Contaminant Mass Removed: 10,000 Gallons
Description: 10,000 gallons of free product removed.

Action Type: PUMP & TREAT (P&T) GROUNDWATER
Begin Date: 3/17/1997
End Date: 3/18/1997
Phase: Water
Contaminant Mass Removed: 120,000 Gallons
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 9/11/2013
Received Issue Date: 9/11/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6175000&temptable=ENFORCEMENT
Title Description Comments:

Closure Letter for Pabco Gypsum, 37851 Cherry Street, Neweak Alameda County

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other

Action Date: 7/18/2013
Received Issue Date: 7/18/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6174731&temptable=ENFORCEMENT
Title Description Comments:

Closure Summary

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 1/17/2013
Received Issue Date: 1/17/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6147517&temptable=ENFORCEMENT
Title Description Comments:

Request for well destruction for case closure

Action Type: Notices
Action: Notification - Public Notice of Case Closure
Action Date: 11/29/2012
Received Issue Date: 11/29/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6150042&temptable=ENFORCEMENT
Title Description Comments:

Notice of Case Closure Request

Action Type: Other Regulatory Actions
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)
Action Date: 5/31/2012
Received Issue Date: 5/31/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6394369&temptable=ENFORCEMENT
Title Description Comments:

Five year review, 2011

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/19/2011
Received Issue Date: 12/19/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6148110&temptable=ENFORCEMENT
Title Description Comments:

5- year review comments

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/7/2011
Received Issue Date: 9/7/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6099490&temptable=ENFORCEMENT
Title Description Comments:

Comments on request for case closure

Action Type: Other Regulatory Actions
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)
Action Date: 11/2/2010
Received Issue Date: 11/2/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6390142&temptable=ENFORCEMENT
Title Description Comments:

USTCF 5-yr Review

Action Type: Other Regulatory Actions
Action: File review
Action Date: 11/24/2009
Received Issue Date: 11/24/2009
Doc Link:
Title Description Comments:

Case Closure Review per Resolution No 2009-0042

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/30/2009
Received Issue Date: 7/30/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6026590&temptable=ENFORCEMENT
Title Description Comments:

Groundwater Monitoring Frequency

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 1/15/2008
Received Issue Date: 1/15/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6005479&temptable=ENFORCEMENT
Title Description Comments:

Denial of Change in Monitoring Schedule

Action Type: Cleanup Action
Action: Excavation
Action Date: 3/19/1997
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Pump & Treat (P&T) Groundwater
Action Date: 3/17/1997
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Free Product Removal
Action Date: 3/17/1997
Received Issue Date:
Doc Link:
Title Description Comments:

10,000 gallons of free product removed.

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Action Date: 8/23/1996
Received Issue Date: 8/23/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101019&doc_id=6042084
Title Description Comments:

Remedial Action Plan

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 8/1/1993
Received Issue Date: 8/1/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101019&doc_id=6042076
Title Description Comments:

Permit Application Form

Action Type: Response Requested - Workplans
Action: Other Workplan
Action Date: 6/2/1993
Received Issue Date: 6/2/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101019&doc_id=6042071
Title Description Comments:

Response to Work Plan

Action Type: Response Requested - Other
Action: Unauthorized Release Form
Action Date: 7/20/1992
Received Issue Date: 7/20/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101019&doc_id=6042082
Title Description Comments:

Fuel Leak Case Form

Action Type: Leak Action
Action: Leak Discovery
Action Date: 6/15/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 6/15/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 6/15/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action: Unauthorized Release Form
Action Date: 7/22/1991
Received Issue Date: 7/22/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101019&doc_id=6042083
Title Description Comments:

UST Contamination Report Form

Action Type: Enforcement - Other
Action: UNK
Action Date:
Received Issue Date:
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?

global_id=T0600101019&enforcement_id=6147514&temptable=ENFORCEMENT

Title Description Comments:

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 5/15/2006
Submitted By: ACC OAKLAND (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5328031778/T0600101019.pdf

Submitted: 3/15/2004
Submitted By: ACC OAKLAND (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6144943058/T0600101019.pdf

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:***
Type: UNKNOWN ***Submitted:***
Submitted By: SARA MAATTA (REGULATOR)
Title: UNKNOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6147514

Document Type: Site Documents ***Document Date:*** 9/17/2013
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3937528491/T0600101019.PDF

Document Type: Site Documents ***Document Date:*** 9/11/2013
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: CLOSURE LETTER FOR PABCO GYPSUM, 37851 CHERRY STREET, NEWEAK ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6175000

Document Type: Site Documents ***Document Date:*** 7/18/2013
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6174731

Document Type: Site Documents ***Document Date:*** 1/17/2013
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: SARA MAATTA (REGULATOR)
Title: REQUEST FOR WELL DESTRUCTION FOR CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6147517

Document Type: Site Documents ***Document Date:*** 11/29/2012
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE ***Submitted:***
Submitted By: SARA MAATTA (REGULATOR)
Title: NOTICE OF CASE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6150042

Document Type: Site Documents ***Document Date:*** 5/31/2012
Type: CLEAN UP FUND - CASE CLOSURE REVIEW SUMMARY REPORT (RSR) ***Submitted:***
Submitted By: KIRK T. LARSON (REGULATOR)
Title: FIVE YEAR REVIEW, 2011
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6394369

Document Type: Site Documents ***Document Date:*** 12/19/2011
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***

Submitted By: DOUG YOUNG (REGULATOR)
Title: 5- YEAR REVIEW COMMENTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6148110

Document Type: Site Documents **Document Date:** 12/8/2011
Type: CLOSURE REPORT **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: REQUEST FOR LOW RISK CLOSURE AND 2011 GW MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6254151344/T0600101019.PDF

Document Type: Site Documents **Document Date:** 9/7/2011
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: COMMENTS ON REQUEST FOR CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6099490

Document Type: Monitoring Reports **Document Date:** 2/25/2011
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: 1ST SEMI ANNUAL 2009
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3563332974/T0600101019.PDF

Document Type: Monitoring Reports **Document Date:** 2/25/2011
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SECOND SEMI ANNUAL 2009 GW MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4224149346/T0600101019.PDF

Document Type: Site Documents **Document Date:** 11/2/2010
Type: CLEAN UP FUND - CASE CLOSURE REVIEW SUMMARY REPORT (RSR) **Submitted:**
Submitted By: (REGULATOR)
Title: USTCF 5-YR REVIEW
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6390142

Document Type: Monitoring Reports **Document Date:** 2/22/2010
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SEMI ANNUAL GROUNDWATER MONITORING REPORT AND REQUEST FOR CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7828896641/T0600101019.PDF

Document Type: Site Documents **Document Date:** 7/30/2009
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: GROUNDWATER MONITORING FREQUENCY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6026590

Document Type: Monitoring Reports **Document Date:** 11/20/2008
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: 37851 CHERRY FINAL 10 08
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4872044444/T0600101019.PDF

Document Type: Monitoring Reports **Document Date:** 5/13/2008
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: 1ST SEMI-ANNUAL 2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9534010171/T0600101019.PDF

Document Type: Site Documents **Document Date:** 1/15/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: DENIAL OF CHANGE IN MONITORING SCHEDULE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&enforcement_id=6005479

Document Type: Monitoring Reports **Document Date:** 11/20/2007

Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SECOND SEMI-ANNUAL 2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2703082025/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 7/31/2007
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5429640829/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/4/2007
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: FIRST QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8956344425/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 12/8/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: FOURTH QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9800114274/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/20/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SECOND QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8713276743/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/20/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: THIRD QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8948301553/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/15/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: FIRST QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4086576700/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/15/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9662783563/T0600101019.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/15/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: FOURTH QUARTER 2005 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6955243766/T0600101019.PDF

Document Type: Site Documents ***Document Date:*** 8/23/1996
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM ***Submitted:***
Submitted By: MICHAEL ORJI (REGULATOR)
Title: REMEDIAL ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&document_id=6042084

Document Type: Site Documents ***Document Date:*** 8/1/1993
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: MICHAEL ORJI (REGULATOR)
Title: PERMIT APPLICATION FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&document_id=6042076

Document Type: Site Documents ***Document Date:*** 6/2/1993
Type: OTHER WORKPLAN ***Submitted:***
Submitted By: MICHAEL ORJI (REGULATOR)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: RESPONSE TO WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&document_id=6042071

Document Type: Site Documents
Document Date: 7/20/1992
Type: UNAUTHORIZED RELEASE FORM
Submitted:
Submitted By: MICHAEL ORJI (REGULATOR)
Title: FUEL LEAK CASE FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&document_id=6042082

Document Type: Site Documents
Document Date: 7/22/1991
Type: UNAUTHORIZED RELEASE FORM
Submitted:
Submitted By: MICHAEL ORJI (REGULATOR)
Title: UST CONTAMINATION REPORT FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101019&document_id=6042083

14	6 of24	ENE	0.02 / 90.03	21.20 / 2	**PABCO GYPSUM - NEWARK** **37851 CHERRY ST.** **NEWARK CA**	AST

Total Capacity(Gal): 10000
Owner Name: PABCO BUILDING PRODUCTS, LLC
CUPA: Alameda
County: Alameda

14	7 of24	ENE	0.02 / 90.03	21.20 / 2	**PABCO GYPSUM** **37851 CHERRY** **NEWARK CA 94560**	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036205.pdf

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14	8 of24	ENE	0.02 / 90.03	21.20 / 2	**PABCO BUILDING PRODUCTS LLC** **37851 CHERRY ST** **NEWARK CA 945604348**	HAZNET

SIC Code:
NAICS Code:
EPA ID: CAR000146217
Create Date: 6/18/2004 11:38:02 AM
Fac Act Ind: No
Inact Date: 6/30/2004
County Code: 01
County Name: Alameda
Mail Name:
Mailing Addr 1: PO BOX 405
Mailing Addr 2:
Owner Fax:
Mailing City: NEWARK
Mailing State: CA
Mailing Zip: 945600405
Region Code: 2
Owner Name: PABCO BUILDING PRODUCTS LLC
Owner Addr 1: 37851 CHERRY ST
Owner Addr 2:
Owner City: NEWARK
Owner State: CA
Owner Zip:
Owner Phone:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAR000146217

14	9 of24	ENE	0.02 / 90.03	21.20 / 2	**37851 CHERRY ST** **NEWARK CA 945600000**	HIST MANIFEST

Gen EPA ID: CAD058775826
Create Date: 04/10/1987 0:00
Inact Date:
Facility Mail Street: 10600 WHITE ROCK RD
Facility Mail City: RANCHO CORDOVA
Facility Mail State: CA
Facility Mail Zip: 956700000
Contact Phone(s): 9166316570

File Year(s): 1986; 1987; 1988; 1989; 1990; 1992
Contact Name(s): JEFF REYNOLDS

Tanner Information

State Waste Code: 261
Year: 1990
Tons: 4.04
Method Code: 14
State Waste Code Desc: Polychlorinated biphenyls and material containing PCBs
Method Description:
Generator County:
Tsd Epa ID: UTD980962591
Tsd County:

Tanner Information

State Waste Code: 223
Year: 1989
Tons: 0.17
Method Code: D80
State Waste Code Desc: Unspecified oil-containing waste
Method Description:
Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 512
Year: 1992
Tons: 10
Method Code: R01
State Waste Code Desc: Other empty containers 30 gallons or more
Method Description:
Generator County:
Tsd Epa ID: CAD004771168
Tsd County: San Francisco

Tanner Information

State Waste Code: 241
Year: 1986
Tons: 1.68
Method Code: D80
State Waste Code Desc: Tank bottom waste
Method Description:
Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 223
Year: 1988
Tons: 1.43
Method Code: D80
State Waste Code Desc: Unspecified oil-containing waste
Method Description:
Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 223
Year: 1989
Tons: 0.95
Method Code: 3
State Waste Code Desc: Unspecified oil-containing waste
Method Description:
Generator County:
Tsd Epa ID: CAD020748125
Tsd County: Santa Barbara

Tanner Information

State Waste Code: 141
Year: 1987
Generator County:
Tsd Epa ID: CAD000094771

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tons: 1.87 **Tsd County:**
Method Code: T01
State Waste Code Desc: Off-specification, aged or surplus inorganics
Method Description:

Tanner Information

State Waste Code: 352 **Generator County:**
Year: 1992 **Tsd Epa ID:** CAD059494310
Tons: 0.75 **Tsd County:** Santa Clara
Method Code: D99
State Waste Code Desc: Other organic solids
Method Description:

Tanner Information

State Waste Code: 331 **Generator County:**
Year: 1987 **Tsd Epa ID:** CAD009452657
Tons: 0.85 **Tsd County:** San Mateo
Method Code: R01
State Waste Code Desc: Off-specification, aged or surplus organics
Method Description:

Tanner Information

State Waste Code: 731 **Generator County:**
Year: 1990 **Tsd Epa ID:** UTD980962591
Tons: 0.47 **Tsd County:**
Method Code: 14
State Waste Code Desc: Liquids with polychloronated biphenyls >= 50 Mg./L
Method Description:

Tanner Information

State Waste Code: 222 **Generator County:**
Year: 1986 **Tsd Epa ID:**
Tons: 2.71 **Tsd County:**
Method Code:
State Waste Code Desc: Oil/water separation sludge
Method Description:

Tanner Information

State Waste Code: 222 **Generator County:**
Year: 1986 **Tsd Epa ID:** CAD020748125
Tons: 5.5 **Tsd County:** Santa Barbara
Method Code: D80
State Waste Code Desc: Oil/water separation sludge
Method Description:

14	10 of24	ENE	0.02 / 90.03	21.20 / 2	**Pabco Gypsum** **37851 CHERRY ST** **NEWARK CA 94560**	**CERS TANK**

Site ID: 54508
Latitude: 37.527349
Longitude: -122.023380

Regulated Programs

EI ID: 10002994

EI Description: Chemical Storage Facilities

EI ID: 247055
EI Description: Industrial Facility Storm Water

EI ID: 10002994
EI Description: Hazardous Waste Generator

EI ID: 10002994
EI Description: Aboveground Petroleum Storage

EI ID: 110001163339
EI Description: US EPA Air Emission Inventory System (EIS)

EI ID: T0600101019
EI Description: Leaking Underground Storage Tank Cleanup Site

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to designate a person accountable for discharge prevention and who reports to facility management.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/07/2018. OBERVATIONS: Facility chemical inventory in CERS is incomplete. Inventory for DSA-J: Update the amount of lubricants submitted to CERS. Observed at least eight 55 gallon drums of lubricant. Only two 55 gallon drums of lubricants are listed in CERS. Inventory for DSA-E: No chemical inventory submitted to CERS. Inventory for DSA-F: No chemical inventory submitted to CERS. Inventory for the southwest corner of the lot: No chemical inventory submitted to CERS. Inventory for DSA-G: No chemical inventory submitted to CERS. Inventory for DSA-I: Grease is listed as a 40 gallon container but observed a 55 gallon drum. Inventory is missing waste absorbent, gear lube and argon/carbon dioxide mixed gas. CORRECTIVE ACTIONS: Update the chemical inventory in CERS with the following: DSA-J – update the amount of lubricants stored (at least eight 55 gallon drums), add oxygen (at least 3 small cylinders), acetylene (at least 2 small cylinders) and used oil (at [Truncated]

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to properly handle, manage, label, and recycle used oil and fuel filters.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25160(b)(3) - California Health and Safety Code, Chapter 6.5, Section(s) 25160(b)(3)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: Facility has only one manifest from 2016 that is signed by the Designated Facility. Facility is missing all other signed Designated Facility manifests from 2016 and 2017. Facility is missing the following manifests from their files: 005507801 SKS dated 8/9/16, 005607321 SKS dated 10/17/16 and 010270091 FLE dated 9/29/16. CORRECTIVE ACTIONS: Submit the signed Designated Facility manifests for the following manifest numbers: 005370422 SKS dated 5/17/16, 005755102 SKS dated 12/27/16, 005742589 SKS dated 3/8/17, 006405334 SKS dated 10/4/17, 006277146 SKS dated 10/11/17, 006320742 SKS dated 11/30/17 and an illegible manifest number that ends in 0075 SKS dated 5/18/17. If the final copies are not found, the facility must submit an exception report to the Department of Toxic Substances Control and obtain the missing manifests from the Designated Facility. Submit copies of the signed manifests. Obtain the missing signed manifests from above. Submit copies to [Truncated]

Violation Description:

Failure to determine the status of any hazardous waste if a signed copy of the manifest isn't received within 35 days of the date the waste was accepted by the initial transporter and/or to submit an Exception Report to DTSC if a signed copy of the manifest isn't received within 45 days of the date the waste was accepted by the initial transporter.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/07/2018. OBSERVATIONS: The chemical inventory in CERS is inadequate and several site maps need to be updated. CORRECTIVE ACTIONS: See violation #4 and #6 for corrective actions.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: Drum of waste coolant in DSA-I is missing the accumulation start date. CORRECTIVE ACTIONS: Label this drum with the accumulation start date. Submit a written statement or photo showing that this was completed.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: No records were found for the inspection of drainage from diked areas. CORRECTIVE ACTION: Maintain adequate records of drainage from diked areas.

Violation Description:

Failure to maintain adequate records of drainage when there is drainage of uncontaminated rainwater from liked areas into a storm drain or open watercourse; for example, records required under NPDES permit.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 05/03/2018. OBSERVATION: Failure to test or inspect aboveground tanks for integrity by a person qualified in accordance with industry standards. The age of the diesel motor oil and waste oil tanks listed in Aboveground Petroleum Storage Tank Facility Statement dated 3/1/18, have not been updated since 1/8/14. Both the 3/1/18 and 1/8/14 Statement show the age of the diesel tank as 17 years, the motor oil tank as 26 and the used oil tank as 31+ years. According to the Steel Tank Institute, the diesel tank should have a formal external inspection by a Certified Inspector every 20 years. It is unknown if the diesel tank has had integrity testing. CORRECTIVE ACTION: Obtain a qualified person to perform tank integrity testing in accordance with industry standards. Submit a copy of the testing results.

Violation Description:

Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.195(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.195(a)
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure of the owner or operator to conduct inspections and maintain inspection records at the facility of the following tank equipment:
1) Overfill/spill control equipment (e.g., waste-feed cutoff systems, bypass systems, and drainage systems) to ensure that it is in good working order;
2) The aboveground portions of the tank system, if any, to detect corrosion or releases of waste;
3) Data gathered from monitoring equipment and leak-detection equipment, (e.g., pressure and temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design;
4) The construction materials and the area immediately surrounding the externally accessible portion of the tank system including secondary containment structures (e.g., dikes) to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation); and
5) For uncovered tanks, the level of waste in the tank, to ensure compliance with section 66265.194(b)(3).

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/23/2021. Failure to provide and maintain secondary containment for bulk storage tank installations sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation. The 500-gallon new oil tank has no secondary containment. The secondary

containment is listed in the SPCC plan as being inside an enclosed building. However, no secondary containment calculations are provided by the engineer and no berm is located at eh exits to the building to prevent oil from exiting the building if the tank ruptures. Update SPCC plan with calculations to show that the building provides secondary containment or provide secondary containment for the 500-gallon tank.

Violation Description:

Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/06/2018. OBSERVATION: The SPCC Plan does not adequately discuss the facility layout, all of the petroleum containers and storage capacities at each location, transfer operations, pumping, and the facility processes and discharge prevention methods for all petroleum storage containers above 55 gallons. The Facility Description/Operations section has not been updated to reflect the new operating conditions of the facility. Facility Storage is outdated. CORRECTIVE ACTION: Adequately discuss the facility layout, containers and storage capacity, transfer operations, pumping, and the facility processes and discharge prevention methods for all petroleum storage containers in the SPCC Plan.

Violation Description:

Failure to address in the SPCC Plan discharge prevention measures, including procedures for routine handling of products such as loading/unloading and facility transfers.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: The 55 gallon drum of waste coolant in DSA-I was open. CORRECTIVE ACTIONS: Close the waste coolant drum. All hazardous waste containers must be kept closed at all times except when adding or removing waste. Submit a written statement saying this has been completed.

Violation Description:

Failure to meet the following container management requirements:
(a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
(b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to engineer or update each container installation to avoid discharges by providing at least one of the following devices:
1. An audible or visual high liquid level alarm.
2. High liquid level pump cutoff devices.
3. Audible or code signal communications between tank gauger and pumping station.
4. A fast response system for determining liquid levels, such as computers, telepulse or direct vision gauges.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: The SPCC Plan was not amended as required during the 5/7/14 inspection. Not all petroleum storage containers are referenced throughout the plan. CORRECTIVE ACTIONS: Ensure that all petroleum storage containers 55 gallons or more are reference throughout the SPCC Plan. Update and submit a copy of the newly revised plan.

Violation Description:

Failure to amend the SPCC Plan within 6 months:
1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility's discharge potential. AND/OR
2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: Observed one cylinder of argon/carbon dioxide mix cylinder not properly secured, one drum of waste coolant that was open and several secondary containment pallets in DSA-J contain oil. CORRECTIVE ACTIONS: Properly secure the argon/CO2 cylinder, close the waste coolant drum and remove all liquids from secondary containment pallets. Submit photos and written statements showing these violations have been corrected.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/06/2018. OBSERVATION: The SPCC Plan does not adequately describe the physical layout of the facility. Not all petroleum storage containers are addressed in the plan. CORRECTIVE ACTION: Update the SPCC Plan to include an adequate description of the facility layout and include a description of each area that contains petroleum storage containers that are included in the SPCC Plan.

Violation Description:

Failure to adequately and accurately describe in the SPCC Plan the physical layout of the facility.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: Facility has failed to comply with all of the following requirements: 1. Failure to conduct inspections and tests on all petroleum storage containers in accordance with written procedures in the SPCC Plan. 2. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. Reviewed tank inspection for November and December 2017 and February 2018 for the diesel tank only. No other records of inspections were observed for the other petroleum storage containers. CORRECTIVE ACTION: Conduct inspections in accordance with written procedures and maintain records for 3 years. Submit a copy of the March and April inspection records for all petroleum storage containers included in the SPCC plan.

Violation Description:

Failure to comply with one or more of the following requirements:

1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector.
2. Keep written procedures and records of inspections and integrity tests for at least three years.
3. Keep comparison records.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 04/07/2018. OBSERVATIONS: The chemical inventory is inadequate and several site maps need to be updated in CERS. CORRECTIVE ACTIONS: See violation #4 and #6 for corrective actions. Ensure that if any significant changes occur during the year, the HMBP in CERS must be updated within 30 days.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 06/23/2021. The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. The following chemicals were not fully reported; DTPA in the raw material storage area - 810 gallons, acetylene 418 ft3, Hydraulic oil storage room, Optigear gear lubricant- 220 gallons (hydraulic oil storage room), Hydraulic oil 110 gallons, (Hydraulic oil storage room). Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: The facility site diagram dated 6/1/15 does not include the 500 gallon new oil tank or the 55 gallon gear lube drum in DSA-I; DSA-J only shows two 55 gallon drums of oil, however eight drums of lubricants plus two drums of used oil were observed. The site map also does not reflect current conditions at the facility (tanks marked empty on the map but currently store hazardous materials.) CORRECTIVE ACTIONS: Update the site diagram to include the location of all petroleum products above 55 gallons. Ensure all site maps reflect the current conditions at the facility.

Violation Description:

Failure to include in the SPCC Plan an adequate facility diagram, or no facility diagram included.

The facility diagram is not required on a Tier I qualified facility SPCC Plan.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/07/2018. OBSERVATIONS: There are six site maps that have been uploaded to CERS and only one of them "Chemical Storage Map #4" is accurate. The other five maps have not been updated and can be confusing when referencing them. CORRECTIVE ACTIONS: Ensure that all of the maps submitted to CERS reflect the same storage conditions as "Chemical Storage Map #4" and resubmit to CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: Facility has only one manifest from 2016 that is signed by the Designated Facility. Facility is missing all other signed Designated Facility manifests from 2016 and 2017. Facility is missing the following manifests from their files: 005507801 SKS dated 8/9/16, 005607321 SKS dated 10/17/16 and 010270091 FLE dated 9/29/16. CORRECTIVE ACTIONS: Submit the signed Designated Facility manifests for the following manifest numbers: 005370422 SKS dated 5/17/16, 005755102 SKS dated 12/27/16, 005742589 SKS dated 3/8/17, 006405334 SKS dated 10/4/17, 006277146 SKS dated 10/11/17, 006320742 SKS dated 11/30/17 and an illegible manifest number that ends in 0075 SKS dated 5/18/17. If the final copies are not found, the facility must submit an exception report to the Department of Toxic Substances Control and obtain the missing manifests from the Designated Facility. Submit copies of the signed manifests. Obtain the missing signed manifests from above. Submit copies to [Truncated]

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/28/2021. Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards. Both of the tanks (10,000 and 500 gallon tanks have been inspected on a regular basis and an STI inspector performed an inspection on 4/19/2018. However, since that inspection as can be seen in the photo provided in the inspection, an additional fitting has been placed on the 500 gallon tank where the tank normally venting would normally be installed. It appears that the tank is imploding from the addition of this closed tubing. Have tank technician install the appropriate normal venting on the 500 gallon tank and train personnel who inspect the tanks to not obstruct tank vent openings. Ensure that all recommendations in the April 2018 report have been performed including installation of an emergency vent on the 10,000 gallon diesel tank.

Violation Description:

Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Business Plan Program - Operations/Maintenance - General

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 07/23/2021. Waste oil observed on top of drum/secondary containment area in truck shop area. Secondary containment was not free of residual liquid as required. Immediately clean out secondary containment of all residual liquid. Send ACDEH verification that the secondary containment is free of liquid. Submit photos/documentation to the CUPA demonstrating the spill has been properly removed and managed.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 12/17/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 06/05/2014.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: Metal fines from the Maintenance Shop (DSA-E) are currently being recycled with other metals. No hazardous waste determination has been made. CORRECTIVE ACTIONS: Metal fines must be either analyzed for their micron size to determine if it meets hazardous waste criteria or handled and disposed of as a hazardous waste. Submit a written statement on how this waste stream will be handled in the future.

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to schedule and conduct spill prevention briefings at least once a year.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: While the facility has maps with emergency evacuation routes posted throughout the facility, they do not have information on emergency equipment, contact names and numbers posted. CORRECTIVE ACTION: Facility must post, next to the telephone, emergency information that contains the required information in accordance with Title 22. Provide a written statement saying this has been completed. A sample form will be sent to Mr. Rocha.

Violation Description:

Failure to post the following information next to the telephone:
(A) The name and telephone number of the emergency coordinator;
(B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and
(C) The telephone number of the fire department, unless the facility has a direct alarm.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to promptly correct the causes of leaks that result in accumulations of oil in diked areas.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/06/2018. OBSERVATIONS: The SPCC Plan does not include information on the 500 gallon new oil tank, the 55 gallon drums of lubricants or the 55 gallon drums of used oil. For example, on page 11, under 112.8, only the diesel tank is described. There is no mention of the other oil containers at this facility. This is a repeat violation. CORRECTIVE ACTIONS: All sections of the SPCC Plan must reference all petroleum containers greater than 55 gallons. OBSERVATIONS: Inspections of all required SPCC petroleum storage containers are not being inspected as required. This is a repeat violation. CORRECTIVE ACTIONS: Immediately begin inspecting all SPCC required containers. Submit an inspection log for March and April for all of these containers/areas.

Violation Description:

Failure to prepare a Spill Prevention, Control, and Countermeasures (SPCC) Plan.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to provide adequate secondary containment, or no secondary containment for mobile or portable storage tanks.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to obtain facility management approval to fully implement the SPCC Plan.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 Multiple - California Health and Safety Code, Chapter 6.67, Section(s) Multiple
Violation Notes:

Returned to compliance on 05/01/2019. The SPCC Plan does not include information on the 500 gallon new oil tank, the 55 gallon drums of lubricants or the 55 gallon drums of used oil. For example, on page 11, under 112.8, only the diesel tank is described. There is no mention of the other oil containers at this facility. This is a repeat violation. All sections of the SPCC Plan must reference all petroleum containers greater than 55 gallons. OBSERVATION: Inspections of all required SPCC petroleum storage containers are not being inspected as required. This is a repeat violation. Immediately begin inspecting all SPCC required containers. Submit an inspection log for March for all of these containers/areas.

Violation Description:

APSA Program - Administration/Documentation - General

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: Facility has only three records of diesel tank inspections (11/6/17, 12/11/17 and 2/26/18). Facility is required to inspect the aboveground valves, piping and appurtenances regularly on both the diesel and new motor oil tank. CORRECTIVE ACTION: Regularly inspect aboveground valves, piping, and appurtenances on both tanks. Submit inspection logs for March and April for both tanks.

Violation Description:

Failure to regularly inspect aboveground valves, piping, and appurtenances.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

If claiming impracticability of appropriate containment/diversionary structures: Failure to provide a written commitment of manpower, equipment, and materials in the response plan.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: The 9,900 diesel tank has a overfill alarm, however, it is broken. There is a clock gauge on the diesel tank but it is difficult to see from the fill port. The 500 gallon new oil tank in DSA-I does not have a high level monitoring device. The last two diesel tank inspection logs have the overfill alarm line item crossed off. CORRECTIVE ACTION: Replace the overfill alarm on the diesel tank and install a high level monitoring device on the new oil tank. Submit documentation that this has occurred. Submit an inspection log for both the diesel and the new oil tank with a line item to test the device.

Violation Description:

Failure to regularly test liquid level sensing devices to ensure proper operation.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: Facility failed to engineer or update each container installation to avoid discharges by providing at least one of the following devices: 1. An audible or visual high liquid level alarm. 2. High liquid level pump cutoff devices. 3. Audible or code signal communications between tank gauge and pumping station. 4. A fast response system for determining liquid levels, such as computers, telepulse or direct vision gauges. The 9,900 diesel tank has a overfill alarm, however, it is broken. There is a clock gauge on the diesel tank but it is difficult to see from the fill port. The 500 gallon new oil tank in DSA-I does not have a high level monitoring device. CORRECTIVE ACTION: Replace the overfill alarm on the diesel tank and install a high level monitoring device on the new oil tank. Submit documentation that this has occurred.

Violation Description:

Failure to engineer or update each container installation in accordance with good engineering practice to avoid discharges and/or failure to by provide at least one of the following devices on each container installation:
1. An audible or visual high liquid level alarm.
2. High liquid level pump cutoff devices.
3. Audible or code signal communications between tank gauger and pumping station.
4. A fast response system for determining liquid levels, such as computers, telepulse or direct vision gauges.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATIONS: One drum of used oil in DSA-J has an accumulation start date of 1/10/17 and the waste coolant in DSA-I has no accumulation start date and according to Mr. Rocha, has probably not been disposed of in several years. CORRECTIVE ACTIONS: Immediately dispose of the used oil and waste coolant. As a Small Quantity Generator (SQG) you must dispose of all hazardous waste at least every six months. Submit copies of the disposal receipts for the used oil and waste coolant.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 11/16/2018. OBSERVATION: The SPCC Plan does not include all petroleum containers that are 55 gallons or more in the prediction of the extent of a discharge that could result from equipment failure. No discussion of piping, valves and product transfer areas. CORRECTIVE ACTION: Predict in the SPCC the extent that could result from a discharge due to an equipment failure for all petroleum storage containers, piping, valves and product transfer areas.

Violation Description:

Failure to include in the SPCC Plan a prediction of the direction, rate of flow, and total quantity of oil that could be discharged for each type of major equipment failure where experience indicates a reasonable potential for equipment failure.

The rate of flow is not required on a Tier I qualified facility SPCC Plan.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Violation Notes:

Returned to compliance on 04/09/2018. OBSERVATION: Failure to include inspections of tank supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records). Failure to include inspections of tank supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records). Only three months of records for the diesel tank were available. CORRECTIVE ACTION: Tank inspections include supports/foundation, deterioration, discharges and/or accumulations of oil inside diked areas, and comparison records in the records of inspections (or customary business records). Ensure that all petroleum storage areas are included in the inspections.

Violation Description:

Failure to discuss in the SPCC Plan procedures to test or inspect each aboveground container for integrity in accordance with industry standards:

1. On a regular schedule.

2. After material repairs are made.

3. By qualified personnel.

4. The frequency and type of testing and inspections based on container size, configuration, and design.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/07/2018. OBSERVATIONS: While the facility does submit annually to CERS, the chemical inventory is inadequate and several site maps need to be updated. CORRECTIVE ACTIONS: See violation #4 and #6 for corrective actions. Ensure that the HMBP in CERS is complete, accurate and up-to-date.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to properly label the following categories of universal waste as:
1) Each batteries or the container in which the batteries are contained as "Universal Waste-Battery(ies)".
2) Each mercury-containing equipment or the container in which the mercury-containing equipment is contained as "Universal Waste -Mercury-Containing Equipment".
3) Each Florescent lamp or the container or package in which the lamps are contained as "Universal Waste-Lamp(s)".
4) Each electronic devices or the container or pallet in or on which the electronic devices are contained as "Universal Waste-Electronic Device(s)".
5) Each CRTs or the container or pallet in or on which the CRTs are contained as "Universal Waste-CRT(s)".
6) A container of CRT glass shall be labeled or marked clearly with the following phrase: "Universal Waste-CRT glass".
7) In lieu of labeling individual electronic devices, CRTs, and/or containers of CRT glass pursuant to subsections d) through f) of this section, a universal waste handler may combine, package, and accumulate those universal wastes in appropriate containers or within a designated area demarcated by boundaries that are clearly labeled with the applicable portion(s) of the following phrase: "Universal Waste-Electronic Device(s)/Universal Waste - CRT (s)/Universal Waste-CRT Glass".

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health

Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to provide training regarding:
1. The operation and maintenance of equipment to prevent discharges.
2. Discharge procedure protocols.
3. Applicable pollution control laws, rules, and regulations.
4. General facility operations. AND
5. The contents of the SPCC Plan.

Violations

Violation Date: 07/24/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 07/24/2015.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 03/08/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/06/2018. OBSERVATION: The SPCC Plan does not address all petroleum storage containers greater than 55 gallons. Each section in the Plan must address each storage container. On page 10, section 9 B, it appears to not be a finished section. CORRECTIVE ACTION: Amend the SPCC Plan to include all petroleum storage containers. Review the SPCC Plan for completeness.

Violation Description:

Failure to adequately discuss in the SPCC Plan all applicable bulk storage containers, including compatibility with material stored and conditions of storage, and description of sized secondary containment capable of containing the largest single container and sufficient freeboard to contain precipitation.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health

Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Business Plan Program - Administration/Documentation - General

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to adequately discuss the facility transfer operations, pumping, and facility process within the SPCC plan.

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/23/2021. The business failed to complete and electronically submit initially, annually, or triennially, a business plan when handling hazardous materials at or above the reportable threshold quantities. The last complete CERS HMBP (Facility, Inventory, and Plans) submittal for facility was submitted on 05/19/2020. Your complete HMBP submittal is past due. Complete and electronically submit all three business plan elements in CERS.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/23/2021. Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas. Secondary containment for 55-gallon containers of used oil in the maintenance building have oil in the secondary containment and on top of the drums, although the containment would still hold over 55 gallons, (the largest container) if spilled, visible discharges should be immediately cleaned up and all used absorbent picked up for reuse or handled as waste. Promptly correct any visible discharges and promptly remove any accumulations of oil in diked areas. Send photo of cleaned secondary containment for the used oil drums to the CUPA.

Violation Description:

Failure to promptly correct visible discharges and promptly remove any accumulations of oil in diked areas.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.174 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.174
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to inspect hazardous waste storage areas at least weekly.

Violations

Violation Date: 06/23/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/23/2021. Facility failed to implement one or more security measures. Drain at the bottom of the diesel tank has not been secured as recommended by the STI inspector. Provide bottom drain valve that can be secured and ensure that it is secured. Send photo documentation that this has been completed.

Violation Description:

Failure to implement one or more of the following security measures for the facility:
1. Secure and control access to the oil handling, processing, and storage areas.
2. Secure the master flow and drain valves.
3. Prevent unauthorized access to starter controls and oil pumps.
4. Secure out-of-service and loading/unloading connections of oil pipelines.
5. Address the appropriateness of security lighting to both prevent acts of vandalism and assist in the discovery of oil discharges.

Violations

Violation Date: 05/07/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.173 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.173
Violation Notes:

Returned to compliance on 07/23/2014.

Violation Description:

Failure to properly close hazardous waste containers when not in active use.

Enforcements

Enf Action Date: 07/27/2014 ***Enf Action Program:*** UNSPEC
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 07/24/2015
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/07/2014

Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/23/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ROUTINE INSPECTION CONDUCTED FOR HMBP, HAZARDOUS WASTE GENERATOR AND ABOVEGROUND PETROLEUM STORAGE ACT PROGRAMS. ESCORTED THROUGH FACILITY BY FRANCISCO AMBRIZ. DUE TO COVID, SIGNATURE OF COMPUTER WAS NOT REQUESTED. HOWEVER, MR. AMBRIZ PROVIDED PERMISSION FOR THE INSPECTION VERBALLY. FACILITY IS A GYPSUM WALLBOARD PRODUCT SUPPLIER. THERE IS ONE 10,000 GALLON DIESEL STORAGE TANK.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Eval Date: 03/08/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Facility is a Small Quantity Generator. All violations noted in this Hazardous Waste Generator inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/17/2013
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ENTER HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/07/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: APSA
Eval Source: CERS

Eval Notes:

APSA INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/07/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

HW GENERATOR INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/23/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

ROUTINE INSPECTION FOR FACILITY WITH 10,000 GALLON DIESEL TANK, 500 GALLON NEW OIL TANK, TWO TRANSFORMERS, AND DRUMS CONTAINING PETROLEUM HYDROCARBONS. THE 20 YEAR INSPECTION FOR THE 10,000 GALLON DIESEL AND THE 500 GALLON NEW OIL TANKS WAS PERFORMED ON 4/19/18. IT APPEARS THAT MANY OF THE RECOMMENDED CHANGES HAVE BEEN MADE BUT PLEASE SEND ACDEH A PHOTO OF THE LOCKED VALVE ON THE 10,000-GALLON DIESEL TANK. IT ALSO APPEARS THAT MODIFICATIONS HAVE BEEN MADE TO THE 500-GALLON NEW OIL TANK WHICH HAVE ADVERSELY AFFECTED PROPER TANK VENTING AND MAY HAVE CAUSED IMPLODING OF THE SIDE OF THE TANK TO OCCUR. IMMEDIATELY CORRECT THIS SITUATION BY PROVIDING PROPER NORMAL VENTING. CONSULTA A TANK TECHNICIAN IF PERSONNEL ONSITE ARE NOT PROPERLY QUALIFIED TO WORK ON THE TANK. THE MACHINERY AT THE FACILITY OPERATES UNDER PNEUMATIC PRESSURE AND THIS EQUIPMENT IS NOT OIL-FILLED OPERATING EQUIPMENT.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/08/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site with Lee Rocha, Production Manager and Alan Sabawi, Plant Operations Manager for Pabco Gypsum. Lee Rocha granted permission to conduct the inspection. Hazardous materials and emergency response training occurred on September 26, 2017. All violations noted in this HMBP inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/23/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

ROUTINE INSPECTION CONDUCTED. ESCORTED THROUGH FACILITY BY FRANCISCO AMBRIZ. DUE TO COVID, SIGNATURE OF COMPUTER WAS NOT REQUESTED. HOWEVER, HE DID PROVIDE PERMISSION FOR THE INSPECTION. FACILITY IS A GYPSUM WALLBOARD PRODUCT SUPPLIER. FACILITY IS A SMALL QUANTITY GENERATOR BASED ON THE AMOUNT OF WASTE WHICH IS PRIMARILY, USED OIL FILTERS, USED ABOSORBANT, WASTE FROM THE PARTS WASHER, AND USED OIL. ALL VIOLATIONS NOTED IN THIS REPORT ARE TO BE CORRECTED WITHIN 30 DAYS AND PROOF OF THOSE CORRECTIONS SUBMITTED TO THIS OFFICE IN THE SAME TIMEFRAME.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Environmental Contact
Entity Name: FELIX SILVA
Entity Title: SUPERVISOR
Address: 587 YGNACIO VALLEY ROAD
City: WALNUTCREEK
State: CA
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: RICHARD SNYDER
Entity Title: ENVIRONMENTAL CONTACT
Address: 8000 EAST LAKE MEAD BLVD
City: LASVEGAS
State: NV
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: PABCO BUILIDING PRODUCTS, LLC
Entity Title:
Address: 10600 WHITE ROCK RD., BLDG. B, SUITE 100
City: RANCHO CORDOVA
State: CA
Country: United States
Zip Code: 94560
Phone: (916) 631-6500

Affil Type Desc: Property Owner
Entity Name: PABCO BLDG PRODUCTSNA LLC
Entity Title:
Address: 10600 WHITE ROCK ROAD
City: RANCHOCORDOVA
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Francisco Ambriz
Entity Title: Plant Operations Engineer
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Parent Corporation
Entity Name: PABCO BUILDING PRODUCTS, LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:

Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Property Owner
Entity Name: Pabco Building Products, LLC
Entity Title:
Address: 10600 WHITE ROCK RD., BLDG. B, SUITE 100
City: RANCHO CORDOVA
State: CA
Country: United States
Zip Code: 95670
Phone: (916) 631-6500

Affil Type Desc: Environmental Contact
Entity Name: FRANCISCO AMBRIZ
Entity Title:
Address: 37851 CHERRY ST.
City: NEWARK
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Environmental Contact
Entity Name: JOHN HURTT
Entity Title:
Address: POBOX 405
City: NEWARK
State: CA
Country:
Zip Code:
Phone:

Affil Type Desc: Local Agency Caseworker
Entity Name: DOUG YNG ALAMEDA CNTY WTR DIST
Entity Title:
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 37851 Cherry St.
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Local Agency Caseworker
Entity Name: DOUG YOUNG - ALAMEDA COUNTY WATER DISTRICT
Entity Title:
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
State: CA
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: LEE ROCHA
Entity Title: MANAGER
Address: 37851 CHERRY STREET
City: NEWARK
State: CA

Country:
Zip Code:
Phone:

Affil Type Desc: Facility Owner
Entity Name: PABCO BLDG PROD LLC
Entity Title: OWNER
Address: 10600 WHITE ROCK RD BLDG B SUTIE 100
City: RANCHOCORDOVA
State: CA
Country:
Zip Code:
Phone:

Affil Type Desc: Owner/Operator
Entity Name: Pabco Building Product LLC
Entity Title: Operator
Address: 37851 Cherry St
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Operator
Entity Name: LEE ROCHA
Entity Title: OPERATOR
Address: 37851 CHERRY STREET
City: NEWARK
State: CA
Country:
Zip Code:
Phone:

Affil Type Desc: Public Contact
Entity Name: SAM BREGLIA
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: CRAIG WILKINSON
Entity Title: ENVIRONMENTAL CONTACT
Address: 8000 EAST LAKE MEAD BLVD
City: LASVEGAS
State: NV
Country:
Zip Code:
Phone:

Affil Type Desc: Regional Board Caseworker
Entity Name: Regional Water Board - SAN FRANCISCO BAY RWQCB (REGION 2)
Entity Title:
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
State: CA
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: Francisco Ambriz
Entity Title:
Address:
City:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: FRANCISCO AMBRIZ
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 688-7656

Affil Type Desc: Regional Board Caseworker
Entity Name: CHERIE MCCAULOU SAN FRANCISCO BAY RWQCB REGN
Entity Title:
Address: 1515 CLAY STREETNA SUITE 1400
City: OAKLAND
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: FRS-AIR
Program ID: 110001163339
Latitude: 37.527488
Longitude: -122.023250
Coord Name:
Ref Point Type Desc: Unknown

14	11 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY ST NEWARK CA 94560	PRP

Site EPA ID: UTD980962591
Site Name: NORTH AMERICAN ENVIRONMENTAL
Site NPL Status: Not on the NPL
Site Non NPL Status: Referred to Removal - NFRAP
Site Address:
Site City: CLEARFIELD
Site State: UT
Site Zip: 84015
Site Primary Latitude:
Site Primary Longitude:

Noticed Party Action Information

Action Type Seq: NJ-1
Action Name: Not Ltrs
Action Date: GENERAL NOTICE 08/21/1992

14	12 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY STREET NEWARK CA 94560	EMISSIONS

1987 Criteria Data

Facility ID: 153
Facility SIC Code: 3275
CO: 1
Air Basin: SF
District: BA
CERR Code:
TOGT: 2
ROGT: .89087
COT: 12.7
NOXT: 50.3

COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	58.4
CHAPIS:		***PM10T:***	44.18

1987 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	2
CO:	1	***ROGT:***	.89087
Air Basin:	SF	***COT:***	12.7
District:	BA	***NOXT:***	50.3
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	39.1
CHAPIS:		***PM10T:***	31.946

1990 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.3
CO:	1	***ROGT:***	.54899
Air Basin:	SF	***COT:***	6.6
District:	BA	***NOXT:***	26.8
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	25.6
CHAPIS:		***PM10T:***	19.194

1993 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.3
CO:	1	***ROGT:***	.54899
Air Basin:	SF	***COT:***	6.6
District:	BA	***NOXT:***	26.8
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	28.7
CHAPIS:		***PM10T:***	20.744

1995 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.3
CO:	1	***ROGT:***	.54899
Air Basin:	SF	***COT:***	6.6
District:	BA	***NOXT:***	26.8
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	28.9
CHAPIS:		***PM10T:***	20.764

1996 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.7
CO:	1	***ROGT:***	.71791
Air Basin:	SF	***COT:***	10.1
District:	BA	***NOXT:***	40
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	22.6
CHAPIS:		***PM10T:***	13.478

1997 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1998 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3275	**TOGT:**	1.8
CO:	1	**ROGT:**	.76014
Air Basin:	SF	**COT:**	10.9
District:	BA	**NOXT:**	44
COID:	ALA	**SOXT:**	.1
DISN:	BAY AREA AQMD	**PMT:**	22.1
CHAPIS:		**PM10T:**	13.432

1998 Toxic Data

Facility ID:	153	**COID:**	ALA
Facility SIC Code:	3275	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3299	**TOGT:**	1.777
CO:	1	**ROGT:**	.9589151
Air Basin:	SF	**COT:**	10.713
District:	BA	**NOXT:**	42.859
COID:	ALA	**SOXT:**	.174
DISN:	BAY AREA AQMD	**PMT:**	21.206
CHAPIS:		**PM10T:**	18.24588

1999 Toxic Data

Facility ID:	153	**COID:**	ALA
Facility SIC Code:	3299	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3299	**TOGT:**	1.777
CO:	1	**ROGT:**	.94
Air Basin:	SF	**COT:**	10.713
District:	BA	**NOXT:**	42.859
COID:	ALA	**SOXT:**	.174
DISN:	BAY AREA AQMD	**PMT:**	21.206
CHAPIS:		**PM10T:**	18.28

2000 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3299	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3299	***TOGT:***	1.56
CO:	1	***ROGT:***	.83
Air Basin:	SF	***COT:***	9.43
District:	BA	***NOXT:***	37.72
COID:	ALA	***SOXT:***	.16
DISN:	BAY AREA AQMD	***PMT:***	16.49
CHAPIS:	Y	***PM10T:***	14.08

2001 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3299	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.565
CO:	1	***ROGT:***	.8448863
Air Basin:	SF	***COT:***	9.431
District:	BA	***NOXT:***	37.727
COID:	ALA	***SOXT:***	.154
DISN:	BAY AREA AQMD	***PMT:***	16.621
CHAPIS:	Y	***PM10T:***	14.18352

2002 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.753

CO:	1	***ROGT:***	.92
Air Basin:	SF	***COT:***	10.582
District:	BA	***NOXT:***	42.324
COID:	ALA	***SOXT:***	.172
DISN:	BAY AREA AQMD	***PMT:***	21.077
CHAPIS:	Y	***PM10T:***	18.22

2003 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.753
CO:	1	***ROGT:***	.9483496
Air Basin:	SF	***COT:***	10.582
District:	BA	***NOXT:***	42.324
COID:	ALA	***SOXT:***	.172
DISN:	BAY AREA AQMD	***PMT:***	21.077
CHAPIS:	Y	***PM10T:***	18.22112

2004 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.753
CO:	1	***ROGT:***	.9483496
Air Basin:	SF	***COT:***	10.582
District:	BA	***NOXT:***	42.324
COID:	ALA	***SOXT:***	.172
DISN:	BAY AREA AQMD	***PMT:***	21.616
CHAPIS:	Y	***PM10T:***	18.68924

2005 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2006 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.678
CO:	1	***ROGT:***	.8574811
Air Basin:	SF	***COT:***	10.124
District:	BA	***NOXT:***	40.499
COID:	ALA	***SOXT:***	.164
DISN:	BAY AREA AQMD	***PMT:***	10.931
CHAPIS:	Y	***PM10T:***	9.06924

2006 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	1.678
CO:	1	***ROGT:***	.8574811
Air Basin:	SF	***COT:***	10.124
District:	BA	***NOXT:***	40.499
COID:	ALA	***SOXT:***	.164
DISN:	BAY AREA AQMD	***PMT:***	10.931
CHAPIS:		***PM10T:***	9.06924

2007 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	15.7
CO:	1	***ROGT:***	12.4476706
Air Basin:	SF	***COT:***	8.783
District:	BA	***NOXT:***	35.188
COID:	ALA	***SOXT:***	.142
DISN:	BAY AREA AQMD	***PMT:***	35.4
CHAPIS:		***PM10T:***	30.44664

2008 Toxic Data

Facility ID:	153	***COID:***	ALA

Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	3.264
CO:	1	***ROGT:***	2.6056035
Air Basin:	SF	***COT:***	1.751
District:	BA	***NOXT:***	7.017
COID:	ALA	***SOXT:***	.027
DISN:	BAY AREA AQMD	***PMT:***	7.212
CHAPIS:		***PM10T:***	6.147912

2009 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	.027
CO:	1	***ROGT:***	.027
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	4.644
CHAPIS:		***PM10T:***	4.06924

2011 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2012 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3275	**TOGT:**	.027
CO:	1	**ROGT:**	.027
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	3.721954545454545454545454545454545454555
CHAPIS:		**PM10T:**	3.251

2012 Toxic Data

Facility ID:	153	**COID:**	ALA
Facility SIC Code:	3275	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2013 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3275	**TOGT:**	.027
CO:	1	**ROGT:**	.027
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.54
CHAPIS:		**PM10T:**	4.577

2013 Toxic Data

Facility ID:	153	**COID:**	ALA
Facility SIC Code:	3275	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3275	**TOGT:**	.026819635
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.539749761
CHAPIS:		**PM10T:**	4.577824784

2014 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	6.24467849
CHAPIS:		***PM10T:***	4.37127494

2015 Toxic Data

Facility ID:	153	***COID:***	ALA
Facility SIC Code:	3275	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	153	***CERR CODE:***	
Facility SIC Code:	3275	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	5.966156455
CHAPIS:		***PM10T:***	4.176309473

2016 Toxic Data

Facility ID:	153	***TS:***	
Facility SIC Code:	3275	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	ALA	***AH Index:***	
CO:	1	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	153	***CERR Code:***	
Facility SIC Code:	3275	***TOGT:***	28.756698883
CO:	1	***ROGT:***	22.81443647926
Air Basin:	SF	***COT:***	4.05454585
District:	BA	***NOXT:***	16.244942817

COID:	ALA	**SOXT:**	.065828181
DISN:	BAY AREA AQMD	**PMT:**	8.171123252
CHAPIS:		**PM10T:**	5.777364937

2017 Toxic Data

Facility ID:	153	**COID:**	ALA
Facility SIC Code:	3275	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	153	**CERR Code:**	
Facility SIC Code:	3275	**TOGT:**	1.611544727
CO:	1	**ROGT:**	1.342707101918
Air Basin:	SF	**COT:**	7.226217533
District:	BA	**NOXT:**	28.95256361
COID:	ALA	**SOXT:**	.117322315
DISN:	BAY AREA AQMD	**PMT:**	12.98693256
CHAPIS:		**PM10T:**	9.189968081

2018 Toxic Data

Facility ID:	153	**COID:**	ALA
Facility SIC Code:	3275	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
Facility ID:	153	**ROGT:**	1.620056722454
District:	BA	**COT:**	8.742342392
Facility SIC Code:	3275	**NOXT:**	35.02705502
CO ID:	ALA	**SOXT:**	.141937561
DISN:	BAY AREA AQMD		
PM10T:	9.409360237		
TOGT:	1.945298783		
PMT:	13.262300978		

2019 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Faccility ID:	153	**CERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	3275	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2020 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	153	***ROGT:***	.626322427215
District:	BA	***COT:***	3.423771175
Facility SIC Code:	3275	***NOXT:***	13.71768159
CO ID:	ALA	***SOXT:***	.055587146
DISN:	BAY AREA AQMD		
TOGT:	.753697265		
PMT:	7.069908849		
PM10T:	5.020110672		

2020 Toxic Data

CO:	1	***DISN:***	BAY AREA AQMD
Air Basin:	SF	***CHAPIS:***	
Facility ID:	153	***CHERR Code:***	
District:	BA	***TS:***	
Facility SIC Code:	3275	***Health Risk Asmt:***	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

14	*13 of24*	*ENE*	*0.02 / 90.03*	*21.20 / 2*	***PABCO GYPSUM*** ***37851 CHERRY*** ***NEWARK CA***	***HIST TANK***

Owner Name:	PACIFIC COAST BUILDING PRODUCT	***No of Containers:***	3
Owner Street:	P.O. BOX 160488	***County:***	ALAMEDA
Owner City:	SACRAMENTO	***Facility State:***	CA
Owner State:	CA	***Facility Zip:***	94560
Owner Zip:	95816		

14	*14 of24*	*ENE*	*0.02 / 90.03*	*21.20 / 2*	***PABCO BLDG PRODUCTS LLC-*** ***PABCO GYPSUM*** ***37851 CHERRY ST*** ***NEWARK CA 94560-0000***	***RCRA NON GEN***

EPA Handler ID:	CAD058775826
Gen Status Universe:	No Report
Contact Name:	ANASTASIA DOLOTOV
Contact Address:	10600 WHITE ROCK RD. BLDG B STE 100 , , RANCHO CORDOVA , CA, 95670 ,
Contact Phone No and Ext:	916-631-6531
Contact Email:	ANASTASIA.DOLOTOV@PACCOAST.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	19870410
Location Latitude:	37.527516
Location Longitude:	-122.023458

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19870410
Handler Name: PABCO BLDG PRODUCTS LLC-PABCO GYPSUM
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: ANASTASIA DOLOTOV
Date Became Current:
Date Ended Current:
Phone: 916-631-6531
Source Type: Implementer
Street No:
Street 1: 10600 WHITE ROCK RD. BLDG B STE 100
Street 2:
City: RANCHO CORDOVA
State: CA
Country:
Zip Code: 95670

Owner/Operator Ind: Current Owner
Type: Other
Name: PABCO BUILDING PRODUCTS LLC
Date Became Current:
Date Ended Current:
Phone: 916-631-6500
Source Type: Implementer
Street No:
Street 1: 10600 WHITE ROCK RD
Street 2: BLDG B SUITE 100
City: RANCHO CORDOVA
State: CA
Country:
Zip Code: 95670-0000

14	15 of24	ENE	0.02 / 90.03	21.20 / 2	**PABCO BLDG PRODUCTS LLC-PABCO GYPSUM** **37851 CHERRY ST** **NEWARK CA 94560-0000**	FINDS/FRS

Registry ID: 110070442137
FIPS Code: 06001
HUC Code: 18050003
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 02-JAN-19
Update Date:
Interest Types: OTHER HAZARDOUS WASTE ACTIVITIES **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: RCRAINFO
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 13

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Census Block Code: 060014446011019
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude: 37.527516
Longitude: -122.023458
Reference Point: ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method: GDT-ADDRESS MATCHING (GEOCODING)
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070442137
Data Source: Facility Registry Service - Single File
Program Acronyms:

RCRAINFO:CAD058775826

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	16 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY STREET NEWARK CA 945604348	TRIS

TRI FD: 94560PBCGY37851
FRS ID: 110001163339
BIA:
Tribe:
Facility Name: PABCO GYPSUM
Street Address: 37851 CHERRY STREET
City: NEWARK
County: ALAMEDA
State: CA
Zip: 945604348
Latitude: 37.527506
Longitude: -122.023292

2006 Details

TRI FD:	94560PBCGY37851	**Underground:**	0.000000
Federal Facility:	NO	**Underground CL I:**	0.000000
Cas No Compound ID:	0007439976	**Underground C II-V:**	0.000000
Classification:	PBT	**Landfills:**	0.000000
Primary SIC:		**RCRA C Landfill:**	0.000000
Primary NAICS:	327420	**Other Landfills:**	0.000000
Metal:	YES	**Land Treatment:**	0.000000
Carcinogen:	NO	**Surface Impndmnt:**	0.000000
Fugitive Air:	0.000000	**RCRA Surface IM:**	0.000000
Stack Air:	0.001900	**Other Surface I:**	0.000000
Water:	0.000600	**Other Disposal:**	0.000000

Chemical: Mercury
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: PABCO BUILDING PRODUCTS LLC
On Site Release Total: 0.002500
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 0.002500
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7439-97-6

PFAS:

NO

PBT:

YES

TRI FD:	94560PBCGY37851	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007439921	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:		***RCRA C Landfill:***	0.000000
Primary NAICS:	327420	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	YES	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	1.086000	***Other Surface I:***	0.000000
Water:	0.332000	***Other Disposal:***	0.000000
Chemical:	Lead		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	PABCO BUILDING PRODUCTS LLC		
On Site Release Total:	1.418000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	1.418000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7439-92-1

PFAS:

NO

PBT:

YES

2007 Details

TRI FD:	94560PBCGY37851	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007439921	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:		***RCRA C Landfill:***	0.000000
Primary NAICS:	327420	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	YES	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.922000	***Other Surface I:***	0.000000
Water:	0.219000	***Other Disposal:***	0.000000
Chemical:	Lead		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	PABCO BUILDING PRODUCTS LLC		
On Site Release Total:	1.141000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	1.141000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7439-92-1

PFAS:

NO

PBT:

YES

TRI FD:	94560PBCGY37851	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007439976	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:		***RCRA C Landfill:***	0.000000
Primary NAICS:	327420	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.001600	***Other Surface I:***	0.000000
Water:	0.000400	***Other Disposal:***	0.000000
Chemical:	Mercury		
Industry Sector Code:	327		
Industry Sector:	Nonmetallic Mineral Product		
Parent Co Name:	PABCO BUILDING PRODUCTS LLC		
On Site Release Total:	0.002000		
Off Site Release Total:	0.000000		
Off Site Recycled Total:	0.000000		
Total Releases:	0.002000		
One Time Release:			

Horizontal Datum:

NAD83

CAS No:

7439-97-6

PFAS:

NO

PBT:

YES

2008 Details

TRI FD:	94560PBCGY37851	***Underground:***	0.000000
Federal Facility:	NO	***Underground CL I:***	0.000000
Cas No Compound ID:	0007439976	***Underground C II-V:***	0.000000
Classification:	PBT	***Landfills:***	0.000000
Primary SIC:		***RCRA C Landfill:***	0.000000
Primary NAICS:	327420	***Other Landfills:***	0.000000
Metal:	YES	***Land Treatment:***	0.000000
Carcinogen:	NO	***Surface Impndmnt:***	0.000000
Fugitive Air:	0.000000	***RCRA Surface IM:***	0.000000
Stack Air:	0.000900	***Other Surface I:***	0.000000
Water:	0.000400	***Other Disposal:***	0.000000
Chemical:	Mercury		
Industry Sector Code:	327		

Industry Sector: Nonmetallic Mineral Product
Parent Co Name: PABCO BUILDING PRODUCTS LLC
On Site Release Total: 0.001300
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 0.001300
One Time Release:

Horizontal Datum:

NAD83

CAS No:

7439-97-6

PFAS:

NO

PBT:

YES

TRI FD: 94560PBCGY37851
Federal Facility: NO
Cas No Compound ID: 0007439921
Classification: PBT
Primary SIC:
Primary NAICS: 327420
Metal: YES
Carcinogen: YES
Fugitive Air: 0.000000
Stack Air: 0.521000
Water: 0.249000
Chemical: Lead
Industry Sector Code: 327
Industry Sector: Nonmetallic Mineral Product
Parent Co Name: PABCO BUILDING PRODUCTS LLC
On Site Release Total: 0.770000
Off Site Release Total: 0.000000
Off Site Recycled Total: 0.000000
Total Releases: 0.770000
One Time Release:

Underground: 0.000000
Underground CL I: 0.000000
Underground C II-V: 0.000000
Landfills: 0.000000
RCRA C Landfill: 0.000000
Other Landfills: 0.000000
Land Treatment: 0.000000
Surface Impndmnt: 0.000000
RCRA Surface IM: 0.000000
Other Surface I: 0.000000
Other Disposal: 0.000000

Horizontal Datum:

NAD83

CAS No:

7439-92-1

PFAS:

NO

PBT:

YES

14	*17 of24*	*ENE*	*0.02 / 90.03*	*21.20 / 2*	***PABCO GYPSUM*** ***37851 CHERRY ST.*** ***NEWARK CA 94560-0405***	***AST SWRCB***

Total Gals: 10000
Owner Name: PACIFIC COAST BUILDING PRODUCT
Data Source: SWRCB Aboveground Storage Tanks Listing 2003;SWRCB Aboveground Storage Tanks Listing 2005;SWRCB

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Aboveground Storage Tanks Listing 2007;SWRCB Aboveground Storage Tanks Listing 2006

14 **18 of24** **ENE** **0.02 / 90.03** **21.20 / 2** **PABCO GYPSUM**
37851 CHERRY
NEWARK CA
UST SWEEPS

C C:	I01-008-42399	**D Filename:**	NSITE6
BOE:	44-001233	**Page No:**	227
Comp:	42399	**County:**	ALAMEDA
Status:	INACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	94560
Jurisdict:	CITY OF NEWARK	**Latitude:**	37.527769
Agency:	FIRE DEPARTMENT	**Longitude:**	-122.024017
Phone:	(415) 792-9555	**Georesult:**	S5HPN-SCZA

Tank Details

Tank ID:	000003	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	01-008-042399-000003	**Storage :**	PRODUCT
Removed:	07-01-91	**Storag Type:**	PRODUCT
Installed:	01-01-76	**P Contain:**	BARE STEEL
A Date:		**Content:**	DIESEL
Capac:	10000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK6

Tank Details

Tank ID:	000002	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	01-008-042399-000002	**Storage :**	PRODUCT
Removed:	07-01-92	**Storag Type:**	PRODUCT
Installed:	01-01-78	**P Contain:**	BARE STEEL
A Date:		**Content:**	LEADED
Capac:	10000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK6

Tank Details

Tank ID:	000001	**S Contain:**	NONE
O Tank ID:		**Stg:**	
SWRCB No:	01-008-042399-000001	**Storage :**	PRODUCT
Removed:	07-01-92	**Storag Type:**	PRODUCT
Installed:	01-01-78	**P Contain:**	BARE STEEL
A Date:		**Content:**	REG UNLEADED
Capac:	10000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	NTANK6

14 **19 of24** **ENE** **0.02 / 90.03** **21.20 / 2** **Pabco Gypsum**
37851 CHERRY ST
Newark CA
AST ALAMEDA

Fac ID:	FA0310765	**Owner ID:**	OW0313517
Owner Name:	PABCO BUILDING PRODUCTS, LLC		

Program Details

PE:	5204	**CurrInspectionDate:**	6/23/2024
Status:	ACTIVE	**LastInspectDate:**	5/7/2014
Description:	APSA SPCC GREATER THAN 10,000 GALLONS		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	20 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY ST NEWARK CA 94560	CONT ALAMEDA

Facility Type: LUST CLEANUP SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: T0600101019
Fac ID:
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	21 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM-NEWARK 37851 CHERRY ST NEWARK CA 945600000	HAZ GEN

Epa ID: CAL000268104
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000268104

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	22 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO GYPSUM 37851 CHERRY ST NEWARK CA 945600000	HAZ GEN

Epa ID: CAL000020197
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000020197

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	23 of24	ENE	0.02 / 90.03	21.20 / 2	ROYAL TRUCKING 37851 CHERRY ST NEWARK CA 94560	HAZ GEN

Epa ID: CAC002876356
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAC002876356

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	24 of24	ENE	0.02 / 90.03	21.20 / 2	PABCO BLDG PRODUCTS LLC- PABCO GYPSUM 37851 CHERRY ST NEWARK CA 945600000	HAZ GEN

Epa ID: CAD058775826
Address 2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAD058775826

Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
15	1 of1	N	0.02 / 110.43	20.56 / 1	MILPRINT PACKAGING LLC NEWARK CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CAA; RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011019	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	Y
Last Informal Action:	9/28/2004	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	9/19/2003	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	9/19/2003	**TRI IDs:**	94564MRCNN6590C
Last Penalty Amt:	72600	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	71.975	**TRI Reporter:**	-
Fac Pop Den:	4171.72	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	Yes
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	4/14/2011
Latitude:	37.52694	**Days Last Inspection:**	4615
Longitude:	-122.02723		

Fac Derived Tribes: -
AIR IDs: CABAA00006001A0273
CAA Permit Types: Major Emissions
CAA NAICS: 322221
CAA SICS: 2671
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: CAD009120866
RCRA Permit Types: LQG
RCRA NAICS: 323116
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: N
Fac Collection Meth: ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us: Y
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02723,%22y%22:37.52694,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110042051098

Industry: Plastics and Resins

Industry: Paper Mills and Products

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	1 of14	W	0.04 / 226.40	20.53 / 1	FULLER H B CO 6925 CENTRAL AVE NEWARK CA 94560	CERCLIS

Site ID:	0900044	**RNPL Status Code:**	N
Site EPA ID:	CAD046414694	**NPL Status:**	Not on the NPL
Site Street Address 2:		**RFED Facility Code:**	N
Site County Name:	ALAMEDA	**RFED Facility Desc:**	Not a Federal Facility
Site FIPS Code:	06001	**USGS Hydro Unit No.:**	18050003
Region Code:	09	**Site Cong. Dist. Code:**	10
Site SMSA No.:	7360	**ROT Desc:**	Private

Site Prim. Latitude: 37D31M32S
Site Prim. Longitude: 112D01M39S
Lat Long Source:
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

FR NPL Update No.:
RFRA Code:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: PA
RAT Short Name: PA
RAT Name: PRELIMINARY ASSESSMENT
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code: P
SPA Code: 13
RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
Site Desc:
Site Alias:

RALT Short Name: EPA Fund
Act Start Date:
Act Complete Date: 8/30/1989 00:00:00
AGT Order No.: 130
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: SI
RAT Short Name: SI
RAT Name: SITE INSPECTION
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code: P
SPA Code: 13
RAT Def: The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.
Site Desc:
Site Alias:

RALT Short Name: EPA Fund
Act Start Date:
Act Complete Date: 9/14/1992 00:00:00
AGT Order No.: 160
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

CERCLIS Assess History

OU ID: 00
Act Code ID:
RAT Code:
RAT Short Name:
RAT Name:
RAT Hist. Only Flag:
RAT NSI Indicator:
RAT Level:
RAT DEF OU:
RFBS Code:
SPA Code:
RAT Def:
Site Desc: No description available
.
Site Alias: H B FULLER CO,,,CA,;

RALT Short Name:
Act Start Date:
Act Complete Date:
AGT Order No.: 0
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: VS

RALT Short Name: EPA In-House
Act Start Date:
Act Complete Date: 9/14/1992 00:00:00

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Short Name:	ARCH SITE	**AGT Order No.:**	1500
RAT Name:	ARCHIVE SITE	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	DS	**Act Complete Date:**	1/1/1988 00:00:00
RAT Short Name:	DISCVRY	**AGT Order No.:**	10
RAT Name:	DISCOVERY	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
Site Desc:			
Site Alias:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	2 of14	W	0.04 / 226.40	20.53 / 1	FULLER H B CO 6925 CENTRAL AVE NEWARK CA 94560	CERCLIS NFRAP

Site ID:	900044	**Site FIPS Code:**	6001
Site EPA ID:	CAD046414694	**Region Code:**	9
Site Parent ID:		**Site Cong. Dist. Code:**	10
Site County Name:	ALAMEDA	**Federal Facility:**	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	1/1/1988
RAT Code:	DS	**AGT Order No.:**	10
RAT Short Name:	DISCVRY	**SH OU:**	
RAT Name:	DISCOVERY	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	8/30/1989
RAT Code:	PA	**AGT Order No.:**	130
RAT Short Name:	PA	**SH OU:**	
RAT Name:	PRELIMINARY ASSESSMENT	**SH Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:	P	**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	Low priority
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	9/14/1992
RAT Code:	VS	**AGT Order No.:**	1500
RAT Short Name:	ARCH SITE	**SH OU:**	
RAT Name:	ARCHIVE SITE	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA In-House	**RNPL Status Code:**	N

RAT Def: The decision is made that no further activity is planned at the site.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	9/14/1992
RAT Code:	SI	**AGT Order No.:**	160
RAT Short Name:	SI	**SH OU:**	
RAT Name:	SITE INSPECTION	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:	P	**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	NFRAP
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N

RAT Def: The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	3 of14	W	0.04 / 226.40	20.53 / 1	H. B. FULLER CO. 6925 CENTRAL AVE NEWARK CA 94560	CLEANUP SITES

Global ID:	SL18233651	**Case Type (DL):**	
Site Facility Type:		**Census Tract:**	6001444500
Cleanup Status:		**RWQCB Region (DL):**	
Status (SRCH):	OPEN - VERIFICATION MONITORING	**Longitude:**	
Status (DL):		**Latitude:**	
Status Date (DL):			

Address: 6925 CENTRAL AVE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No:	01S0009
Local Case No:	0055
Begin Date:	1/2/1982
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:	ALAMEDA COUNTY WATER DISTRICT
CUF Case:	NO
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	Trichloroethylene (TCE), Vinyl chloride, Benzene, Other Petroleum
How Discovered:	* RPR, Site Assessment/Site Investigation
Stop Method:	
Stop Description:	
Case Worker:	RL
Military DoD Site:	No
Leak Reported Dt:	1982-01-02 00:00:00
No Further Action Dt:	
Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	In 1982, RB staff requested Fuller to investigate the possibility of soil and groundwater pollution from storage tanks.
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name:	Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:	
Coordinate Source:	Google Geocode
Discharge Cause:	
Discharge Source:	
Facility Project Sub Type:	
Calenviroscreen 3 Score:	66-70%
Calenviroscreen 4 Score:	60-65%
File Location:	All Files are on GeoTracker or in the Local Agency Database
Site History:	

The Site is located in the southwestern part of the City of Newark, in a mixed commercial, light to heavy industrial area approximately 15 to 20 feet above sea level. Groundwater (GW) depth ranged between 6.89 and 8.40 feet below top of casing in last monitoring report, 2015. GW flow direction is toward the west. The Site was vacant prior to 1959, when it was developed by Paisley Products Company, which occupied until 1975. In 1962, Paisley began using volatile organic compounds (VOCs). H.B. Fuller purchased the Site in 1975 and occupied it until 1989. H.B. Fuller produced and stored industrial polymers and water-based adhesives. Industrial uses of the Site included several above-grade chemical storage tanks, one 16,000 gallon below-grade tank used exclusively for storing vinyl acetate monomer (VAM), and a 3,000-gallon buried wastewater clarifier. An outdoor yard was used for storing drums and portable tanks. Active industrial operations at the Site ceased in 1989 when H.B. Fuller sold the property. The tanks are no longer present. Shallow groundwater underlying the Site currently contains low concentrations of VOCs including benzene, tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), chloroethane (CA), and vinyl chloride (VC). Groundwater monitoring has confirmed that the concentrations of these chemicals are slowly decreasing. Soil gas concentrations in the subslab and vadose zone currently contain elevated concentrations of VOCs, including benzene, chloroform, PCE, TCE, 1,1-DCE, cis-1,2-DCE, 1,1-DCE, 1,1-DCA, and VC. Additional soil vapor sampling events will be conducted to further evaluate seasonal trends at the Site. In 2022, an off-site soil gas investigation in the downgradient direction of the Site will be conducted to define the extent of subsurface soil gas contamination.

GeoTracker Sites Data Download - Regulatory Activity

Date:	2023-11-17 00:00:00
Action:	Staff Letter
Action Type:	ENFORCEMENT
Date:	2012-08-22 00:00:00
Action:	13267 Requirement - #99-031
Action Type:	ENFORCEMENT
Date:	1998-12-24 00:00:00
Action:	13267 Requirement - #88-012
Action Type:	ENFORCEMENT

GeoTracker Sites Data Download - Status History

Status:	Open - Verification Monitoring
Status Date:	2019-08-01 00:00:00
Status:	Open - Verification Monitoring

Status Date: 2006-12-01 00:00:00

Status: Open - Site Assessment
Status Date: 2003-03-26 00:00:00

Status: Open - Remediation
Status Date: 1986-05-01 00:00:00

Status: Open - Case Begin Date
Status Date: 1982-01-02 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: RACHELLE LIM
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 Clay Street, Suite 1400
City: OAKLAND
Email: rachelle.lim@waterboards.ca.gov
Phone No: 5106222440

Contact Type: Local Agency Caseworker
Contact Name: BRIANNA THOMAS
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 S Grimmer Blvd
City: FREMONT
Email: brianna.thomas@acwd.com
Phone No: 5106684442

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL18233651
Cleanup Status Detail: OPEN - VERIFICATION MONITORING AS OF 8/1/2019
Potential COC: BENZENE, OTHER PETROLEUM, TRICHLOROETHYLENE (TCE), VINYL CHLORIDE
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0055
CASE MANAGER: BRIANNA THOMAS
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0009
CASE MANAGER: RACHELLE LIM
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL18233651&tabname=regulatoryhistory
Site History:

The Site is located in the southwestern part of the City of Newark, in a mixed commercial, light to heavy industrial area approximately 15 to 20 feet above sea level. Groundwater (GW) depth ranged between 6.89 and 8.40 feet below top of casing in last monitoring report, 2015. GW flow direction is toward the west.

The Site was vacant prior to 1959, when it was developed by Paisley Products Company, which occupied until 1975. In 1962, Paisley began using volatile organic compounds (VOCs). H.B. Fuller purchased the Site in 1975 and occupied it until 1989. H.B. Fuller produced and stored industrial polymers and water-based adhesives. Industrial uses of the Site included several above-grade chemical storage tanks, one 16,000 gallon below-grade tank used exclusively for storing vinyl acetate monomer (VAM), and a 3,000-gallon buried wastewater clarifier. An outdoor yard was used for storing drums and portable tanks. Active industrial operations at the Site ceased in 1989 when H.B. Fuller sold the property. The tanks are no longer present.

Shallow groundwater underlying the Site currently contains low concentrations of VOCs including benzene, tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), 1-dichloroethene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), chloroethane (CA), and vinyl chloride (VC). Groundwater monitoring has confirmed that the concentrations of these chemicals are slowly decreasing.

Soil gas concentrations in the subslab and vadose zone currently contain elevated concentrations of VOCs, including benzene, chloroform, PCE, TCE, 1,1-DCE, cis-1,2-DCE, 1,1-DCE, 1,1-DCA, and VC. Additional soil vapor sampling events will be conducted to further evaluate seasonal trends at the Site. In 2022, an off-site soil gas investigation in the downgradient direction of the Site will be conducted to define the extent of subsurface soil gas contamination.

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: MONITORED NATURAL ATTENUATION
Begin Date: 12/1/2007
End Date:
Phase: Water
Contaminant Mass Removed:
Description: gw monitoring

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)
Begin Date: 10/1/2006
End Date: 11/1/2006
Phase: Water
Contaminant Mass Removed:
Description: oil emulsion injection

Action Type: PUMP & TREAT (P&T) GROUNDWATER
Begin Date: 1/1/1996
End Date: 1/1/1997
Phase: Water
Contaminant Mass Removed:
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Enforcement - Other
Action: UNK
Action Date:
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 7/28/2023
Received Issue Date: 7/28/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6549589&temptable=ENFORCEMENT
Title Description Comments:

Approval of Winter 2023 Soil Gas Investigation Report

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 6/28/2023
Received Issue Date: 6/28/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6546200&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter FY 23/24

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually - Regulator Responded
Action Date: 4/30/2023
Received Issue Date: 4/28/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6101344
Title Description Comments:

Winter 2023 Soil Gas Investigation Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 3/27/2023
Received Issue Date: 3/27/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6535867&temptable=ENFORCEMENT
Title Description Comments:

Approval of 2022 Second and Third Quarter Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually - Regulator Responded
Action Date: 1/30/2023
Received Issue Date: 3/16/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6092780
Title Description Comments:

2022 Second and Third Quarter Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 1/3/2023
Received Issue Date: 1/3/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6521049&temptable=ENFORCEMENT
Title Description Comments:

Approval of Summer 2022 Soil Gas Investigation Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually - Regulator Responded
Action Date: 10/20/2022
Received Issue Date: 10/20/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6086629
Title Description Comments:

Summer 2022 Soil Gas Investigation Report

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 8/15/2022
Received Issue Date: 8/15/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6502278&temptable=ENFORCEMENT
Title Description Comments:

Concurrence with Change in Offsite Soil Gas Sampling Schedule

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 8/9/2022
Received Issue Date: 8/9/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6078102

Title Description Comments:

Email Correspondence on Offsite Soil Gas Sampling Schedule

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 7/21/2022
Received Issue Date: 7/21/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6500129&temptable=ENFORCEMENT
Title Description Comments:

Approval of 2022 Semi-Annual Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 7/11/2022
Received Issue Date: 7/11/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6499428&temptable=ENFORCEMENT
Title Description Comments:

Concurrence with Tech Memo □ HB Fuller, Newark □ Proposed Permanent Soil Gas Well (SG-10)

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 6/23/2022
Received Issue Date: 6/23/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6497656&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter FY 22/23

Action Type: Response Requested - Reports
Action: Technical Memos - Regulator Responded
Action Date: 5/13/2022
Received Issue Date: 5/13/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6075878
Title Description Comments:

Tech Memo □ HB Fuller, Newark □ Proposed Permanent Soil Gas Well (SG-10)

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually - Regulator Responded
Action Date: 5/13/2022
Received Issue Date: 5/13/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6076657
Title Description Comments:

2022 Semi-Annual Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/2/2022
Received Issue Date: 5/2/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6493569&temptable=ENFORCEMENT
Title Description Comments:

Approval of Addendum to Soil Gas Investigation Work Plan

Action Type: Response Requested - Workplans

Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Action Date: 2/25/2022
Received Issue Date: 2/25/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6070663
Title Description Comments:

Addendum to Soil Gas Investigation Work Plan

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/8/2021
Received Issue Date: 12/8/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6481860&temptable=ENFORCEMENT
Title Description Comments:

Response Letter to Summer 2021 Soil Gas Investigation Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 11/30/2021
Received Issue Date: 11/30/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6481283&temptable=ENFORCEMENT
Title Description Comments:

Approval of 2021 Annual Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 11/10/2021
Received Issue Date: 11/10/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6480291&temptable=ENFORCEMENT
Title Description Comments:

Water Board Email - No comment on Annual Groundwater Monitoring Report and concurrence with quarterly groundwater monitoring and start of pre-field activities.

Action Type: Response Requested - Reports
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded
Action Date: 10/15/2021
Received Issue Date: 9/16/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6045462
Title Description Comments:

H.B. Fuller is required to submit a Second Soil Gas Investigation Report for a summer season evaluation of soil vapor conditions by October 15, 2021.

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 9/10/2021
Received Issue Date: 9/10/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6475707&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter FY 2021/2022

Action Type: Response Requested - Reports
Action: Monitoring Report - Annually - Regulator Responded
Action Date: 9/3/2021
Received Issue Date: 9/3/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6058975
Title Description Comments:

2021 Annual Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 4/1/2021
Received Issue Date: 4/1/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6461922&temptable=ENFORCEMENT
Title Description Comments:

Project status and transfer

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 3/10/2021
Received Issue Date: 3/10/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6459718&temptable=ENFORCEMENT
Title Description Comments:

Approval of Soil Gas Investigation Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 3/2/2021
Received Issue Date: 3/2/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6458869&temptable=ENFORCEMENT
Title Description Comments:

Revised Annual Estimate Letter FY 20/21

Action Type: Response Requested - Reports
Action: Soil Vapor Intrusion Investigation Report - Regulator Responded
Action Date: *2/28/2021
Received Issue Date: 2/25/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6035252
Title Description Comments:

Soil Gas Investigation Completion Report by January 31, 2021.

Action Type: Response Requested - Workplans
Action: Well Installation Workplan
Action Date: 1/8/2021
Received Issue Date: 12/9/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6035251
Title Description Comments:

Well Installation Workplan Required by January 8, 2021.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/29/2020
Received Issue Date: 12/29/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6454462&temptable=ENFORCEMENT
Title Description Comments:

Enforcement Discretion Letter for Soil Gas Investigation Report

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 12/18/2020
Received Issue Date: 12/18/2020

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6454261&temptable=ENFORCEMENT
Title Description Comments:

Request for extension for Soil Gas Investigation Report

Action Type: Enforcement/Orders
Action: 13267 Requirement
Action Date: 11/4/2020
Received Issue Date: 11/4/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6451150&temptable=ENFORCEMENT
Title Description Comments:

Approval of Annual Groundwater Monitoring Report and Soil Gas Investigation Report

Action Type: Response Requested - Reports
Action: Miscellaneous Decision Documents - Regulator Responded
Action Date: 8/31/2020
Received Issue Date: 8/27/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6025255
Title Description Comments:

HB Fuller has submitted the required Annual Groundwater Monitoring Report and Soil Gas Investigation Workplan, however Institutional Constraints required by Task 3C of Order 99-031 are still outstanding.

Action Type: Response Requested - Reports
Action: Monitoring Report - Annually
Action Date: 8/27/2020
Received Issue Date: 8/27/2020
Doc Link:
Title Description Comments:

2020 Annual Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 8/17/2020
Received Issue Date: 8/17/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6445489&temptable=ENFORCEMENT
Title Description Comments:

Project status and transfer

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 7/2/2020
Received Issue Date: 7/2/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6027654
Title Description Comments:

Authorized Agent Letter (Antea)

Action Type: Enforcement/Orders
Action: Notice of Violation
Action Date: 6/16/2020
Received Issue Date: 6/16/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6438412&temptable=ENFORCEMENT
Title Description Comments:

Notice of Violation

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 6/10/2020
Received Issue Date: 6/10/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6438539&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter for Oversight FY 20-21

Action Type: Other Regulatory Actions
Action: Verbal Communication
Action Date: 4/6/2020
Received Issue Date: 4/6/2020
Doc Link:
Title Description Comments:

Left voice messages in office phone and cellphone to follow-up on last communications

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 3/11/2020
Received Issue Date: 3/11/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6430055&temptable=ENFORCEMENT
Title Description Comments:

Sent warning notice email requesting understanding of non-compliance with confirmation email. Left voice messages in office phone, cellphone, and with her co-worker

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 3/4/2020
Received Issue Date: 3/4/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6431935&temptable=ENFORCEMENT
Title Description Comments:

Sent email asking to contact RWB. Left voice messages in office phone and cellphone. Mail delivery and read notifications were received

Action Type: Other Regulatory Actions
Action: Verbal Communication
Action Date: 2/7/2020
Received Issue Date: 2/7/2020
Doc Link:
Title Description Comments:

Left voice message notifying about late submittal and email sent on 2/5/2020

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 2/5/2020
Received Issue Date: 2/5/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6431933&temptable=ENFORCEMENT
Title Description Comments:

Sent email to follow-up about late submittal. Workplan and report dateline was 1/31/2020

Action Type: Response Requested - Workplans
Action: Soil Vapor Intrusion Investigation Workplan
Action Date: 1/31/2020
Received Issue Date: 8/27/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=6007029
Title Description Comments:

Groundwater Monitoring Reports and Soil Vapor Assessment Workplan by January 31, 2020

Action Type: Enforcement/Orders
Action: 13267 Requirement
Action Date: 10/23/2019
Received Issue Date: 10/23/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6418220&temptable=ENFORCEMENT
Title Description Comments:

Requirement for Groundwater Monitoring Reports and Requirement for Soil Vapor Assessment Workplan by January 31, 2020

Action Type: Response Requested - Other
Action: Verbal Communication - Regulator Responded
Action Date: 9/13/2019
Received Issue Date: 9/13/2019
Doc Link:
Title Description Comments:

Call w/ Environmental Manager, Kristin Colberg (KC) to discuss HB Fuller's non-compliance situation: missing groundwater reports since 2015. Also communicated that potential vapor intrusion concerns associated with any residual CVOCs need to be assessed at the site before considering closure. KC stated the willingness to address upcoming requirement and reconnect with consultants. KC will let us know if an access agreement letter is needed to help with property access.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 7/30/2019
Received Issue Date: 7/30/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6410946&temptable=ENFORCEMENT
Title Description Comments:

Follow up on July 6, 2018, email, missing groundwater monitoring reports.

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 6/28/2019
Received Issue Date: 6/28/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6407245&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter for Oversight FY 19-20

Action Type: Enforcement/Orders
Action: Warning Letter
Action Date: 7/6/2018
Received Issue Date: 7/6/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6363360&temptable=ENFORCEMENT
Title Description Comments:

Delinquent reporting for annual groundwater monitoring and sampling. Water Board staff also communicated the matter of non-compliance to the HB Fuller contact person and their consultant.

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter
Action Date: 7/5/2018
Received Issue Date: 7/5/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6363181&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate letter FY 18-19 for SCP Cost Recovery Oversight for Former H.B. Fuller Company, 6925 Central Avenue, Newark, Alameda County

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter - #01S0009
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6290398&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for Former H.B. Fuller Company, 6925 Central Avenue, Newark, Alameda County

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter - #01S0009
Action Date: 7/15/2015
Received Issue Date: 7/15/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6252677&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight for Former H.B. Fuller Company, 6925 Central Avenue, Newark, Alameda County

Action Type: Notices
Action: Letter - Notice - #01S0009
Action Date: 3/18/2015
Received Issue Date: 3/18/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6239905&temptable=ENFORCEMENT
Title Description Comments:

Courtesy Notice - Requirement for Electronic Reporting in GeoTracker

Action Type: Other Regulatory Actions
Action: Annual Estimation Letter - #01S0009
Action Date: 7/21/2014
Received Issue Date: 7/21/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6216323&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate for SCP Cost Recovery Oversight □ H.B. Fuller Company, 6925 Central Avenue, Newark, Alameda County

Action Type: Agreements
Action: Cost Recovery Agreement / N. of Reimbursement
Action Date: 7/3/2013
Received Issue Date: 7/3/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6166472&temptable=ENFORCEMENT
Title Description Comments:

Annual Estimate Letter for Cost Recovery

Action Type: Response Requested - Reports
Action: Well Destruction Report
Action Date: 1/8/2013
Received Issue Date: 1/8/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5854517
Title Description Comments:

Submittal of Well Completion Reports for IW-1, IW-2, IW-3, IW-4, IW-5, IW-6, IW-7, IW-8, IW-9, IW-10, F-9, F-11, and F-12 at the former HB Fuller facilty, 6925 Central Avenue, Newark, Alameda County, California

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 8/22/2012

Received Issue Date: 8/22/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6135833&temptable=ENFORCEMENT
Title Description Comments:

Modification of Self-Monitoring Program for Order No. 99-031 (Site Cleanup Requirements); Requirement for Techncial Report, HB Fuller Facility, 6925 Central Avenue, Newark, Alameda County Approve SMP modification and abandonment of wells F9, F11, F12. Requirement of Well Abandonment Report by Dec. 5, 2012.

Action Type: Enforcement/Orders
Action: 13267 Requirement - #99-031
Action Date: 8/22/2012
Received Issue Date: 8/22/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6257940&temptable=ENFORCEMENT
Title Description Comments:

Modification of Self-Monitoring Program for Order No. 99-031 (Site Cleanup Requirements); Requirement for Technical Report Former HB Fuller Facility, 6925 Central Avenue, Newark, Alameda County

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 11/16/2011
Received Issue Date: 11/16/2011
Doc Link:
Title Description Comments:

Conference call with RB Staff, HB Fuller and consultant to discuss pathways to acheive compliance with Tack C.3 of the Order (Institutional Constraints). HB Fuller no longer owns the property, and the current property owner has not cooperated with signing the deed restriction required by the Order for the property.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 10/11/2010
Received Issue Date: 10/11/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6066376&temptable=ENFORCEMENT
Title Description Comments:

Approval of Annual Groundwater Monitoring Report, Requirement for Report Proposing Institutional Constraints

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 1/20/2009
Received Issue Date: 1/20/2009
Doc Link:
Title Description Comments:

RB Staff meeting with ACWD, HB Fuller Project Manager and Consultant.

Action Type: Cleanup Action
Action: Monitored Natural Attenuation
Action Date: 12/1/2007
Received Issue Date:
Doc Link:
Title Description Comments:

gw monitoring

Action Type: Cleanup Action
Action: In Situ Physical/Chemical Treatment (other than SVE)
Action Date: 10/1/2006
Received Issue Date:
Doc Link:
Title Description Comments:

oil emulsion injection

Action Type: Enforcement/Orders
Action: Notice of Violation - #01S0038
Action Date: 11/18/2005
Received Issue Date: 11/18/2005
Doc Link:
Title Description Comments:

Second Notice of Violation - Failure to Submit Technical Reports and Comply with Site Cleanup Requirements for the former Romic/Foster Chemical Facility, 37445 Willow Street, Newark, Alameda County

Action Type: Enforcement/Orders
Action: Notice of Violation - #01S0038
Action Date: 5/5/2005
Received Issue Date: 5/5/2005
Doc Link:
Title Description Comments:

Notice of Violation - Failure to Submit Technical Reports and Comply with Site Cleanup Requirements for the former Romic/Foster Chemical Facility, 37445 Willow Street, Newark, Alameda County

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 6/16/2004
Received Issue Date: 6/16/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876631
Title Description Comments:

Operation and Maintenance Manual for Groundwater Treatment System

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/31/2003
Received Issue Date: 1/31/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880248
Title Description Comments:

Twentieth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/19/2002
Received Issue Date: 2/19/2002
Doc Link:
Title Description Comments:

Nineteenth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/24/2002
Received Issue Date: 1/24/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877358
Title Description Comments:

Nineteenth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/23/2001
Received Issue Date: 1/23/2001
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877359

Title Description Comments:

Eighteenth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Annually
Action Date: 2/3/2000
Received Issue Date: 2/3/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877374
Title Description Comments:

Annual Report for Order 99-031 "Seventeenth Groundwater Monitoring Report - First Annual Report for Regional Water Quality Control Board Order 99-031" dated January 24, 2000

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 7/30/1999
Received Issue Date: 7/30/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880275
Title Description Comments:

Task C1 Report

Action Type: Response Requested - Reports
Action: Pilot Study/ Treatability Report
Action Date: 7/30/1999
Received Issue Date: 7/30/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877364
Title Description Comments:

Technical Report on Evaluation of Groundwater Pump and Treat System

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 7/30/1999
Received Issue Date: 7/30/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880277
Title Description Comments:

1999 Semi-annual groundwater monitoring report

Action Type: Enforcement/Orders
Action: Clean-up and Abatement Order
Action Date: 5/25/1999
Received Issue Date: 5/25/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6013193&temptable=ENFORCEMENT
Title Description Comments:

Order No. 99-031, Adoption of Final Site Cleanup Requirements and Rescission of Order No. 88-012

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/6/1999
Received Issue Date: 5/6/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276545&temptable=ENFORCEMENT
Title Description Comments:

Comments on Final Site Cleanup

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 4/13/1999

Received Issue Date: 4/13/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880278
Title Description Comments:

H.B. Fuller Comments to the draft Site Cleanup requirements and Rescission of Order 88-012

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 3/24/1999
Received Issue Date: 3/24/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276563&temptable=ENFORCEMENT
Title Description Comments:

Emails regarding tentative order from March 23, 1999 through April 29, 1999

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 3/3/1999
Received Issue Date: 3/3/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877357
Title Description Comments:

Sixteenth Groundwater Monitoring Report Tenth Annual Report for Site Cleanup Order 88-12

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 2/24/1999
Received Issue Date: 2/24/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880279
Title Description Comments:

Remedial Action Plan (RAP) Submittal

Action Type: Enforcement/Orders
Action: Clean-up and Abatement Order - #99-031
Action Date: 1/1/1999
Received Issue Date: 1/1/1999
Doc Link:
Title Description Comments:

Action Type: Enforcement/Orders
Action: 13267 Requirement - #88-012
Action Date: 12/24/1998
Received Issue Date: 12/24/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276562&temptable=ENFORCEMENT
Title Description Comments:

Request for Technical Report on Remedial Action Plan (RAP) Addendum

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/18/1997
Received Issue Date: 9/18/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880307
Title Description Comments:

1997 RWQCB Semiannual Groundwater Monitoring Data and Post-Remediation Health Risk Assessment

Action Type: Response Requested - Reports
Action: Risk Assessment Report
Action Date: 8/31/1997
Received Issue Date: 8/31/1997

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877361
Title Description Comments:

Post-Remediation Health Risk Assessment

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 6/11/1997
Received Issue Date: 6/11/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276497&temptable=ENFORCEMENT
Title Description Comments:

Risk Analysis

Action Type: Cleanup Action
Action: Pump & Treat (P&T) Groundwater
Action Date: 1/1/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 10/19/1995
Received Issue Date: 10/19/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880263
Title Description Comments:

Completion of Required Work

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/9/1995
Received Issue Date: 2/9/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876541
Title Description Comments:

Twelfth Groundwater Monitoring Report

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 11/28/1994
Received Issue Date: 11/28/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879936
Title Description Comments:

Compilation of Historic Soil and Groundwater Data

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 9/12/1994
Received Issue Date: 9/12/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880158
Title Description Comments:

Semi-Annual Monitoring Report

Action Type: Other Regulatory Actions
Action: File review - #2199.9219
Action Date: 3/17/1994
Received Issue Date: 3/17/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276522&temptable=ENFORCEMENT

Title Description Comments:

Annual Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/8/1994
Received Issue Date: 2/8/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880157
Title Description Comments:

Eleventh Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 4/29/1993
Received Issue Date: 4/29/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880156
Title Description Comments:

Report on Installation of Extraction Wells and on additional Soil and Groundwater Sampling

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 1/28/1993
Received Issue Date: 1/28/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880438
Title Description Comments:

Company Groundwater Discharge Permit

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/27/1993
Received Issue Date: 1/27/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876617
Title Description Comments:

Tenth Groundwater Monitoring Report

Action Type: Response Requested - Workplans
Action: Well Installation Workplan
Action Date: 1/8/1993
Received Issue Date: 1/8/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880435
Title Description Comments:

Field Work Plan for Installing Additional Extraction Wells

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 12/18/1992
Received Issue Date: 12/18/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880436
Title Description Comments:

Modification of Groundwater Remediation Expansion Plan

Action Type: Other Regulatory Actions
Action: File review
Action Date: 11/30/1992
Received Issue Date: 11/30/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276755&temptable=ENFORCEMENT

Title Description Comments:

RWQCB Order No. 88-12

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 11/2/1992
Received Issue Date: 11/2/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276432&temptable=ENFORCEMENT
Title Description Comments:

Re: Site Assessment Report

Action Type: Other Regulatory Actions
Action: Site Visit / Inspection / Sampling
Action Date: 9/10/1992
Received Issue Date: 9/10/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276427&temptable=ENFORCEMENT
Title Description Comments:

Preliminary Assessment

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 5/22/1992
Received Issue Date: 5/22/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879931
Title Description Comments:

Soil and Groundwater Investigation

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/14/1992
Received Issue Date: 1/14/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876627
Title Description Comments:

Ninth Groundwater Monitoring Report

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 12/16/1991
Received Issue Date: 12/16/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880442
Title Description Comments:

Plan for Additional Work for Groundwater Contamination Cleanup

Action Type: Other Regulatory Actions
Action: File review - #2199.9129
Action Date: 10/16/1991
Received Issue Date: 10/16/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276528&temptable=ENFORCEMENT
Title Description Comments:

Status of Remediation

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 4/1/1991

Received Issue Date: 4/1/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880174
Title Description Comments:

Special Report on Items Requested by the RWQCB for the Groundwater Cleanup @ H.B. Fuller Co.

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 8/17/1990
Received Issue Date: 8/17/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876619
Title Description Comments:

Data Report Jan-July 1990 Period for Groundwater Cleanup

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 7/5/1990
Received Issue Date: 7/5/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880445
Title Description Comments:

Analytical Laboratory Report for Samples Received on June 21, 1990

Action Type: Response Requested - Workplans
Action: Well Installation Workplan
Action Date: 6/8/1990
Received Issue Date: 6/8/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880447
Title Description Comments:

Additional Borings to Define Groundwater Problem Areas

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 6/1/1990
Received Issue Date: 6/1/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880454
Title Description Comments:

Progress Report #2 on Groundwater Sample Analyses for Accelerated Groundwater Cleanup

Action Type: Response Requested - Workplans
Action: Well Installation Workplan
Action Date: 5/30/1990
Received Issue Date: 5/30/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880448
Title Description Comments:

Application for Drilling Exploratory Borings to Water

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 5/25/1990
Received Issue Date: 5/25/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880453
Title Description Comments:

Analytical Laboratory Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 5/11/1990

Received Issue Date: 5/11/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880451
Title Description Comments:

Analytical Laboratory Report

Action Type: Other Regulatory Actions
Action: Staff Letter - #2199.9041
Action Date: 5/9/1990
Received Issue Date: 5/9/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276531&temptable=ENFORCEMENT
Title Description Comments:

Provision C.3 of Order No. 88-012

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 5/1/1990
Received Issue Date: 5/1/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880465
Title Description Comments:

Progress Report #1 on Followup Groundwater Sample Analyses for Accelerated Groundwater Cleanup

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 3/13/1990
Received Issue Date: 3/13/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880456
Title Description Comments:

First Two Weeks of Operation of the New Groundwater Extraction System

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/25/1990
Received Issue Date: 1/25/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876578
Title Description Comments:

Seventh Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 1/25/1990
Received Issue Date: 8/3/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876564
Title Description Comments:

Report on Remediation Actions

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 1/16/1990
Received Issue Date: 1/16/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879953
Title Description Comments:

Soil and Groundwater Assessment

Action Type: Response Requested - Reports
Action: Site Investigation
Action Date: 11/7/1989

Received Issue Date: 11/7/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880457
Title Description Comments:

Site Hydrology

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 8/25/1989
Received Issue Date: 8/25/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880459
Title Description Comments:

Site Cleanup Order No. 88-012

Action Type: Response Requested - Workplans
Action: CAP/RAP - Final Remediation / Design Plan
Action Date: 8/21/1989
Received Issue Date: 8/21/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879827
Title Description Comments:

Closure Plan Document

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 8/11/1989
Received Issue Date: 8/11/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880460
Title Description Comments:

Results of Semiannual Groundwater Sampling

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/1/1989
Received Issue Date: 2/1/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5876589
Title Description Comments:

Sixth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 12/19/1988
Received Issue Date: 12/19/1988
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880461
Title Description Comments:

Semiannual Groundwater Sampling

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 1/20/1988
Received Issue Date: 1/20/1988
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276675&temptable=ENFORCEMENT
Title Description Comments:

Executive Officer Summary Report

Action Type: Enforcement/Orders
Action: Clean-up and Abatement Order - #88-012
Action Date: 1/20/1988

Received Issue Date: 1/20/1988
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276532&temptable=ENFORCEMENT
Title Description Comments:

Order #88-012

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 10/5/1987
Received Issue Date: 10/5/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5877363
Title Description Comments:

Fifth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/29/1986
Received Issue Date: 9/29/1986
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880341
Title Description Comments:

Fourth Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/4/1986
Received Issue Date: 9/4/1986
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879930
Title Description Comments:

Fourth Groundwater Monitoring Report

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 10/17/1985
Received Issue Date: 10/17/1985
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276686&temptable=ENFORCEMENT
Title Description Comments:

Response to letter dated September 27,1985

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/6/1985
Received Issue Date: 9/6/1985
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879929
Title Description Comments:

Third Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 4/18/1985
Received Issue Date: 4/18/1985
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880462
Title Description Comments:

Second Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly

Action Date: 3/26/1985
Received Issue Date: 3/26/1985
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880432
Title Description Comments:

Second Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/16/1985
Received Issue Date: 1/16/1985
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879938
Title Description Comments:

Groundwater Monitoring

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 12/31/1984
Received Issue Date: 12/31/1984
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880464
Title Description Comments:

First Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 11/28/1984
Received Issue Date: 11/28/1984
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880463
Title Description Comments:

Drilling and Installation Report

Action Type: Response Requested - Reports
Action: Site Investigation
Action Date: 8/23/1984
Received Issue Date: 8/23/1984
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880353
Title Description Comments:

Investigation

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 5/26/1984
Received Issue Date: 5/26/1984
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880431
Title Description Comments:

Subsurface Investigation

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 2/29/1984
Received Issue Date: 2/29/1984
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879940
Title Description Comments:

Draft Groundwater Investigation

Action Type: Response Requested - Other
Action: Other Report / Document

Action Date: 11/9/1983
Received Issue Date: 11/9/1983
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880434
Title Description Comments:

Site History Response

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 7/5/1983
Received Issue Date: 7/5/1983
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5879941
Title Description Comments:

Response to Request for Professional Services for Groundwater Monitoring

Action Type: Response Requested - Reports
Action: Preliminary Site Assessment Report
Action Date: 3/22/1983
Received Issue Date: 3/22/1983
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL18233651&doc_id=5880243
Title Description Comments:

Preliminary Water Investigation

Action Type: Leak Action
Action: Leak Stopped
Action Date: 1/2/1982
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 1/2/1982
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 1/2/1982
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 7/28/2023
Type: STAFF LETTER ***Submitted:***
Submitted By: RACHELLE LIM (REGULATOR)
Title: APPROVAL OF WINTER 2023 SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6549589

Document Type: Site Documents ***Document Date:*** 6/28/2023
Type: ANNUAL ESTIMATION LETTER ***Submitted:***
Submitted By: RACHELLE LIM (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FY 23/24
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6546200

Document Type: Monitoring Reports ***Document Date:*** 4/28/2023
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ANTEA GROUP (AUTH_RP)

Title: WINTER 2023 SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4478230178/SL18233651.PDF

Document Type: Site Documents **Document Date:** 3/27/2023
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: APPROVAL OF 2022 SECOND AND THIRD QUARTER GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6535867

Document Type: Monitoring Reports **Document Date:** 3/16/2023
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: 2022 SECOND AND THIRD QUARTER GROUNDWATER MONITORING REPORT REVISION FINAL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1275848031/SL18233651.PDF

Document Type: Site Documents **Document Date:** 1/3/2023
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: APPROVAL OF SUMMER 2022 SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6521049

Document Type: Monitoring Reports **Document Date:** 10/20/2022
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: SUMMER 2022 SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5949893355/SL18233651.PDF

Document Type: Site Documents **Document Date:** 8/15/2022
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: CONCURRENCE WITH CHANGE IN OFFSITE SOIL GAS SAMPLING SCHEDULE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6502278

Document Type: Site Documents **Document Date:** 8/9/2022
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: EMAIL CORRESPONDENCE ON OFFSITE SOIL GAS SAMPLING SCHEDULE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=6078102

Document Type: Site Documents **Document Date:** 7/21/2022
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: APPROVAL OF 2022 SEMI-ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6500129

Document Type: Site Documents **Document Date:** 7/11/2022
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: CONCURRENCE WITH TECH MEMO – HB FULLER, NEWARK – PROPOSED PERMANENT SOIL GAS WELL (SG-10)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6499428

Document Type: Site Documents **Document Date:** 6/23/2022
Type: ANNUAL ESTIMATION LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FY 22/23
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6497656

Document Type: Site Documents **Document Date:** 5/13/2022*
Type: CORRESPONDENCE **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: TECH MEMO □ HB FULLER, NEWARK □ PROPOSED PERMANENT SOIL GAS WELL (SG-10)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8602782070/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 5/13/2022*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: 2022 SEMI-ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9449405252/SL18233651.PDF

Document Type: Site Documents **Document Date:** 5/2/2022
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: APPROVAL OF ADDENDUM TO SOIL GAS INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6493569

Document Type: Site Documents **Document Date:** 2/25/2022
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: ADDENDUM TO SOIL GAS INVESTIGATION WOK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6813556075/SL18233651.PDF

Document Type: Site Documents **Document Date:** 12/8/2021
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: RESPONSE LETTER TO SUMMER 2021 SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6481860

Document Type: Site Documents **Document Date:** 11/30/2021
Type: STAFF LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: APPROVAL OF 2021 ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6481283

Document Type: Site Documents **Document Date:** 11/10/2021
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: WATER BOARD EMAIL - NO COMMENT ON ANNUAL GROUNDWATER MONITORING REPORT AND CONCURRENCE WITH QUARTERLY GROUNDWATER MONITORING AND START OF PRE-FIELD ACTIVITIES.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6480291

Document Type: Site Documents **Document Date:** 9/16/2021
Type: SITE INVESTIGATION **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: SUMMER 2021 SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4875735700/SL18233651.PDF

Document Type: Site Documents **Document Date:** 9/10/2021
Type: ANNUAL ESTIMATION LETTER **Submitted:**
Submitted By: RACHELLE LIM (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FY 2021/2022
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6475707

Document Type: Monitoring Reports **Document Date:** 9/3/2021
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: 2021 ANNUAL GROUNDWAER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2517436146/SL18233651.PDF

Document Type: Site Documents **Document Date:** 5/12/2021
Type: WELL DESTRUCTION REPORT **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: WELL DESTRUCTION AND REPLACEMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9733615338/SL18233651.PDF

Document Type: Site Documents **Document Date:** 4/1/2021
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ANDREW RUDCHENKO (REGULATOR)
Title: PROJECT STATUS AND TRANSFER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6461922

Document Type: Site Documents **Document Date:** 3/10/2021
Type: STAFF LETTER **Submitted:**
Submitted By: ANDREW RUDCHENKO (REGULATOR)
Title: APPROVAL OF SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6459718

Document Type: Site Documents **Document Date:** 3/2/2021
Type: STAFF LETTER **Submitted:**
Submitted By: ANDREW RUDCHENKO (REGULATOR)
Title: REVISED ANNUAL ESTIMATE LETTER FY 20/21
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6458869

Document Type: Site Documents **Document Date:** 2/25/2021
Type: SITE INVESTIGATION **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: SOIL AND SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1997951805/SL18233651.PDF

Document Type: Site Documents **Document Date:** 12/29/2020
Type: STAFF LETTER **Submitted:**
Submitted By: ANDREW RUDCHENKO (REGULATOR)
Title: ENFORCEMENT DISCRETION LETTER FOR SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6454462

Document Type: Site Documents **Document Date:** 12/18/2020
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ANDREW RUDCHENKO (REGULATOR)
Title: REQUEST FOR EXTENSION FOR SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6454261

Document Type: Site Documents **Document Date:** 12/9/2020
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: WELL DESTRUCTION AND RE-INSTALLATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3551693260/SL18233651.PDF

Document Type: Site Documents **Document Date:** 11/4/2020
Type: 13267 REQUIREMENT **Submitted:**
Submitted By: ANDREW RUDCHENKO (REGULATOR)
Title: APPROVAL OF ANNUAL GROUNDWATER MONITORING REPORT AND SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6451150

Document Type: Monitoring Reports **Document Date:** 8/27/2020*
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4030422508/SL18233651.PDF

Document Type: Site Documents **Document Date:** 8/27/2020*
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: SOIL GAS INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2044643700/SL18233651.PDF

Document Type: Site Documents **Document Date:** 8/17/2020
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: DIANA YITBAREK (REGULATOR)
Title: PROJECT STATUS AND TRANSFER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6445489

Document Type: Site Documents **Document Date:** 7/2/2020
Type: CORRESPONDENCE **Submitted:**
Submitted By: ANTEA GROUP (AUTH_RP)
Title: AUTHORIZED AGENT LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4742304921/SL18233651.PDF

Document Type: Site Documents **Document Date:** 6/16/2020
Type: NOTICE OF VIOLATION **Submitted:**
Submitted By: DIANA YITBAREK (REGULATOR)
Title: NOTICE OF VIOLATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6438412

Document Type: Site Documents **Document Date:** 6/10/2020
Type: ANNUAL ESTIMATION LETTER **Submitted:**

Submitted By: DIANA YITBAREK (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FOR OVERSIGHT FY 20-21
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6438539

Document Type: Site Documents ***Document Date:*** 3/11/2020
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: DIANA YITBAREK (REGULATOR)
Title: SENT WARNING NOTICE EMAIL REQUESTING UNDERSTANDING OF NON-COMPLIANCE WITH CONFIRMATION EMAIL. LEFT VOICE MESSAGES IN OFFICE PHONE, CELLPHONE, AND WITH HER CO-WORKER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6430055

Document Type: Site Documents ***Document Date:*** 3/4/2020
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: DIANA YITBAREK (REGULATOR)
Title: SENT EMAIL ASKING TO CONTACT RWB. LEFT VOICE MESSAGES IN OFFICE PHONE AND CELLPHONE. MAIL DELIVERY AND READ NOTIFICATIONS WERE RECEIVED
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6431935

Document Type: Site Documents ***Document Date:*** 2/5/2020
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: DIANA YITBAREK (REGULATOR)
Title: SENT EMAIL TO FOLLOW-UP ABOUT LATE SUBMITTAL. WORKPLAN AND REPORT DATELINE WAS 1/31/2020
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6431933

Document Type: Site Documents ***Document Date:*** 10/23/2019
Type: 13267 REQUIREMENT ***Submitted:***
Submitted By: DIANA YITBAREK (REGULATOR)
Title: REQUIREMENT FOR GROUNDWATER MONITORING REPORTS AND REQUIREMENT FOR SOIL VAPOR ASSESSMENT WORKPLAN BY JANUARY 31, 2020
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6418220

Document Type: Site Documents ***Document Date:*** 7/30/2019
Type: STAFF LETTER ***Submitted:***
Submitted By: DIANA YITBAREK (REGULATOR)
Title: FOLLOW UP ON JULY 6, 2018, EMAIL, MISSING GROUNDWATER MONITORING REPORTS.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6410946

Document Type: Site Documents ***Document Date:*** 6/28/2019
Type: ANNUAL ESTIMATION LETTER ***Submitted:***
Submitted By: DIANA YITBAREK (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FOR OVERSIGHT FY 19-20
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6407245

Document Type: Site Documents ***Document Date:*** 7/6/2018
Type: WARNING LETTER ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: DELINQUENT REPORTING FOR ANNUAL GROUNDWATER MONITORING AND SAMPLING.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6363360

Document Type: Site Documents ***Document Date:*** 7/5/2018
Type: ANNUAL ESTIMATION LETTER ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FY 18-19 FOR SCP COST RECOVERY OVERSIGHT FOR FORMER H.B. FULLER COMPANY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6363181

Document Type: Site Documents ***Document Date:*** 6/30/2016
Type: ANNUAL ESTIMATION LETTER ***Submitted:***
Submitted By: HOLLUND RUDOLPH (REGULATOR)
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR FORMER H.B. FULLER COMPANY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6290398

Document Type: Site Documents ***Document Date:*** 10/27/2015*
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: MARK WILLIAMS (AUTH_RP)
Title: 2015 ANNUAL GROUNDWATER MONITORING REPORT

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1982124090/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 10/13/2015
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: MARK WILLIAMS (AUTH_RP)
Title: ANNUAL GROUNDWATER MONITORING 2012 AND WELL DECOMMISSIONING REPORT, FORMER H.B. FULLER FACILITY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8830659866/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 10/13/2015
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: MARK WILLIAMS (AUTH_RP)
Title: ANNUAL GROUNDWATER MONITORING AND ANNUAL REMEDIAL PROGRESS REPORT, FORMER H.B. FULLER FACILITY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1858850836/SL18233651.PDF

Document Type: Site Documents **Document Date:** 7/15/2015
Type: ANNUAL ESTIMATION LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT FOR FORMER H.B. FULLER COMPANY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6252677

Document Type: Site Documents **Document Date:** 3/18/2015
Type: LETTER - NOTICE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COURTESY NOTICE - REQUIREMENT FOR ELECTRONIC REPORTING IN GEOTRACKER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6239905

Document Type: Site Documents **Document Date:** 7/21/2014
Type: ANNUAL ESTIMATION LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ANNUAL ESTIMATE FOR SCP COST RECOVERY OVERSIGHT – H.B. FULLER COMPANY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6216323

Document Type: Site Documents **Document Date:** 7/3/2013
Type: COST RECOVERY AGREEMENT / N. OF REIMBURSEMENT **Submitted:**
Submitted By: MICHAEL WRIGLEY (REGULATOR)
Title: ANNUAL ESTIMATE LETTER FOR COST RECOVERY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6166472

Document Type: Site Documents **Document Date:** 1/8/2013
Type: WELL DESTRUCTION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SUBMITTAL OF WELL COMPLETION REPORTS FOR IW-1, IW-2, IW-3, IW-4, IW-5, IW-6, IW-7, IW-8, IW-9, IW-10, F-9, F-11, AND F-12 AT THE FORMER HB FULLER FACILTY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5854517

Document Type: Site Documents **Document Date:** 8/22/2012
Type: 13267 REQUIREMENT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: MODIFICATION OF SELF-MONITORING PROGRAM FOR ORDER NO. 99-031 (SITE CLEANUP REQUIREMENTS); REQUIREMENT FOR TECHNICAL REPORT FORMER HB FULLER FACILITY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6257940

Document Type: Site Documents **Document Date:** 8/22/2012
Type: STAFF LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: MODIFICATION OF SELF-MONITORING PROGRAM FOR ORDER NO. 99-031 (SITE CLEANUP REQUIREMENTS); REQUIREMENT FOR TECHNCIAL REPORT, HB FULLER FACILITY, 6925 CENTRAL AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6135833

Document Type: Site Documents **Document Date:** 2/28/2012*
Type: WELL DESTRUCTION WORKPLAN **Submitted:**

Submitted By: LIZ SMITH (AUTH_RP)
Title: WORKPLAN FOR WELL ABANDONMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2712705254/SL18233651.PDF

Document Type: Site Documents **Document Date:** 2/28/2012*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: RISK MANAGEMENT PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5325190246/SL18233651.PDF

Document Type: Site Documents **Document Date:** 2/28/2012*
Type: FIVE YEAR REVIEW COMPLETE **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: FIVE YEAR STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4757123589/SL18233651.PDF

Document Type: Site Documents **Document Date:** 11/2/2010*
Type: REQUEST FOR CLOSURE **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: REQUEST FOR CASE CLOSURE AS LOW-THREAT CHLORINATED SOLVENT SITE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5079347014/SL18233651.PDF

Document Type: Site Documents **Document Date:** 10/11/2010
Type: STAFF LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: APPROVAL OF ANNUAL GROUNDWATER MONITORING REPORT, REQUIREMENT FOR REPORT PROPOSING INSTITUTIONAL CONSTRAINTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6066376

Document Type: Monitoring Reports **Document Date:** 2/2/2010*
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: ANNUAL GROUNDWATER MONITORING REPORT AND ANNUAL REMEDIAL PROGRESS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1347977995/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 12/4/2008*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: SEMI-ANNUAL AND ANNUAL REMEDIAL PROGRESS REPORT FOR 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8628996908/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 7/25/2008*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 1ST SEMI-ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1828301548/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 3/12/2008
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 1ST SEMI ANNUAL MONITORING REPORT 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8898024618/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 3/12/2008
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 2ND SEMI ANNUAL MONITORING REPORT 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8902941644/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 3/12/2008
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 2ND ANNUAL GW MONITORING REPORT 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1856077432/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 2/1/2008*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 2ND SEMI ANNUAL GWM REPORT - 2007

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8865419685/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 7/9/2007*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 1ST SEMI ANNUAL GWM REPORT 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7643265247/SL18233651.PDF

Document Type: Site Documents **Document Date:** 10/16/2006
Type: LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: CONDITIONAL APPROVAL OF IN-SITU ERD REMEDIATION
Title Link: https://geotracker.waterboards.ca.gov/site_documents/5427830338/HB%20Fuller%20%2D%20approve%20ERD%20workplan%2Epdf

Document Type: Site Documents **Document Date:** 10/10/2006
Type: LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: ELECTRONIC SUBMITTAL OF INFORMATION
Title Link: https://geotracker.waterboards.ca.gov/site_documents/8652317643/e%2Ddocs%20%2D%20HBFuller%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/6/2006
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 2ND SEMI-ANNUAL QMR 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4110549747/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 10/6/2006
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 1ST SEMI-ANNUAL MONITORING REPORT 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8031217277/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 10/6/2006
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: 1ST SEMI-ANNUAL QMR 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4621294915/SL18233651.PDF

Document Type: Site Documents **Document Date:** 10/6/2006
Type: REPORTS - OTHER **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: WELL DESTRUCTION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9293272256/SL18233651.PDF

Document Type: Site Documents **Document Date:** 10/6/2006
Type: WORKPLANS - OTHER WP **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: WELL ABANDONMENT WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7366407096/SL18233651.PDF

Document Type: Site Documents **Document Date:** 9/12/2006
Type: WORKPLANS - REMEDIAL ACTION PLAN **Submitted:**
Submitted By: LIZ SMITH (AUTH_RP)
Title: IN-SITU ENHANCED REDUCTIVE DECHLORINATION REMEDIATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1194013297/SL18233651.PDF

Document Type: Monitoring Reports **Document Date:** 6/16/2004
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: OPERATION AND MAINTENANCE MANUAL FOR GROUNDWATER TREATMENT SYSTEM -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9530810296/omapri03%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/31/2003
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TWENTIETH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6018343865/20gwm%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/24/2002
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: NINETEENTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8679507195/19gwm%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/23/2001
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: EIGHTEENTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9224291741/18gwm%2Epdf

Document Type: Monitoring Reports **Document Date:** 2/3/2000
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ANNUAL REPORT FOR ORDER 99-031 "SEVENTEENTH GROUNDWATER MONITORING REPORT - FIRST ANNUAL REPORT FOR REGIONAL WATER QUALITY CONTROL BOARD ORDER 99-031" DATED JANUARY 24, 2000 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2524046182/1anrep%2Epdf

Document Type: Site Documents **Document Date:** 7/30/1999
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TASK C1 REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880275

Document Type: Site Documents **Document Date:** 7/30/1999
Type: PILOT STUDY/ TREATABILITY REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TECHNICAL REPORT ON EVALUATION OF GROUNDWATER PUMP AND TREAT SYSTEM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5877364

Document Type: Monitoring Reports **Document Date:** 7/30/1999
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: 1999 SEMI-ANNUAL GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7303332269/99sa%2Epdf

Document Type: Site Documents **Document Date:** 5/25/1999
Type: CLEAN-UP AND ABATEMENT ORDER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: ORDER NO. 99-031, ADOPTION OF FINAL SITE CLEANUP REQUIREMENTS AND RESCISSION OF ORDER NO. 88-012
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6013193

Document Type: Site Documents **Document Date:** 5/6/1999
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMMENTS ON FINAL SITE CLEANUP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276545

Document Type: Site Documents **Document Date:** 4/13/1999
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: H.B. FULLER COMMENTS TO THE DRAFT SITE CLEANUP REQUIREMENTS AND RESCISSION OF ORDER 88-012
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880278

Document Type: Site Documents **Document Date:** 3/24/1999
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: EMAILS REGARDING TENTATIVE ORDER FROM MARCH 23, 1999 THROUGH APRIL 29, 1999
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276563

Document Type: Monitoring Reports **Document Date:** 3/3/1999
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SIXTEENTH GROUNDWATER MONITORING REPORT TENTH ANNUAL REPORT FOR SITE CLEANUP ORDER 88-12 -

Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8009877085/16gwm%2Epdf

Document Type: Site Documents **Document Date:** 2/24/1999
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REMEDIAL ACTION PLAN (RAP) SUBMITTAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880279

Document Type: Site Documents **Document Date:** 12/24/1998
Type: 13267 REQUIREMENT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REQUEST FOR TECHNICAL REPORT ON REMEDIAL ACTION PLAN (RAP) ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276562

Document Type: Monitoring Reports **Document Date:** 9/18/1997
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: 1997 RWQCB SEMIANNUAL GROUNDWATER MONITORING DATA AND POST-REMEDIATION HEALTH RISK ASSESSMENT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3438465952/97gw%2Epdf

Document Type: Site Documents **Document Date:** 8/31/1997
Type: RISK ASSESSMENT REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: POST-REMEDIATION HEALTH RISK ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5877361

Document Type: Site Documents **Document Date:** 6/11/1997
Type: MEETING **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RISK ANALYSIS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276497

Document Type: Site Documents **Document Date:** 10/19/1995
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMPLETION OF REQUIRED WORK
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880263

Document Type: Monitoring Reports **Document Date:** 2/9/1995
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TWELFTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3669096231/feb1995%2Epdf

Document Type: Site Documents **Document Date:** 11/28/1994
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMPILATION OF HISTORIC SOIL AND GROUNDWATER DATA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5879936

Document Type: Monitoring Reports **Document Date:** 9/12/1994
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SEMI-ANNUAL MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6640705943/sasep94%2Epdf

Document Type: Site Documents **Document Date:** 3/17/1994
Type: FILE REVIEW **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ANNUAL REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276522

Document Type: Monitoring Reports **Document Date:** 2/8/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ELEVENTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5134356439/11gwmog%2Epdf

Document Type: Site Documents **Document Date:** 4/29/1993
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REPORT ON INSTALLATION OF EXTRACTION WELLS AND ON ADDITIONAL SOIL AND GROUNDWATER SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880156

Document Type: Site Documents **Document Date:** 1/28/1993
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMPANY GROUNDWATER DISCHARGE PERMIT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880438

Document Type: Monitoring Reports **Document Date:** 1/27/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TENTH GROUNDWATER MONITORING REPORT - PART 2 OF 2
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3863416373/tengwmp2%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/27/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TENTH GROUNDWATER MONITORING REPORT - PART 1 OF 2
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3863416373/tengwm%2Epdf

Document Type: Site Documents **Document Date:** 1/8/1993
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FIELD WORK PLAN FOR INSTALLING ADDITIONAL EXTRACTION WELLS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880435

Document Type: Site Documents **Document Date:** 12/18/1992
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: MODIFICATION OF GROUNDWATER REMEDIATION EXPANSION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880436

Document Type: Site Documents **Document Date:** 11/30/1992
Type: FILE REVIEW **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RWQCB ORDER NO. 88-12
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276755

Document Type: Site Documents **Document Date:** 11/2/1992
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RE: SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276432

Document Type: Site Documents **Document Date:** 9/10/1992
Type: SITE VISIT / INSPECTION / SAMPLING **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: PRELIMINARY ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276427

Document Type: Site Documents **Document Date:** 8/3/1992
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REPORT ON REMEDIATION ACTIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5876564

Document Type: Site Documents **Document Date:** 5/22/1992
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SOIL AND GROUNDWATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5879931

Document Type: Monitoring Reports **Document Date:** 1/14/1992
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: NINTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1333910882/9gwm%2Epdf

Document Type: Site Documents **Document Date:** 12/16/1991
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: PLAN FOR ADDITIONAL WORK FOR GROUNDWATER CONTAMINATION CLEANUP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880442

Document Type: Site Documents **Document Date:** 10/16/1991
Type: FILE REVIEW **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: STATUS OF REMEDIATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276528

Document Type: Site Documents **Document Date:** 4/1/1991
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SPECIAL REPORT ON ITEMS REQUESTED BY THE RWQCB FOR THE GROUNDWATER CLEANUP @ H.B. FULLER CO.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880174

Document Type: Site Documents **Document Date:** 8/17/1990
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: DATA REPORT JAN-JULY 1990 PERIOD FOR GROUNDWATER CLEANUP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5876619

Document Type: Monitoring Reports **Document Date:** 7/5/1990
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ANALYTICAL LABORATORY REPORT FOR SAMPLES RECEIVED ON JUNE 21, 1990 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1961079478/july90%2Epdf

Document Type: Site Documents **Document Date:** 6/8/1990
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ADDITIONAL BORINGS TO DEFINE GROUNDWATER PROBLEM AREAS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880447

Document Type: Site Documents **Document Date:** 6/1/1990
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: PROGRESS REPORT #2 ON GROUNDWATER SAMPLE ANALYSES FOR ACCELERATED GROUNDWATER CLEANUP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880454

Document Type: Site Documents **Document Date:** 5/30/1990
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: APPLICATION FOR DRILLING EXPLORATORY BORINGS TO WATER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880448

Document Type: Monitoring Reports **Document Date:** 5/25/1990
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ANALYTICAL LABORATORY REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2998202264/anmay90%2Epdf

Document Type: Monitoring Reports **Document Date:** 5/11/1990
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)

Title: ANALYTICAL LABORATORY REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2518511712/an11may90%2Epdf

Document Type: Site Documents **Document Date:** 5/9/1990
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: PROVISION C.3 OF ORDER NO. 88-012
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276531

Document Type: Site Documents **Document Date:** 5/1/1990
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: PROGRESS REPORT #1 ON FOLLOWUP GROUNDWATER SAMPLE ANALYSES FOR ACCELERATED GROUNDWATER CLEANUP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880465

Document Type: Site Documents **Document Date:** 3/13/1990
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FIRST TWO WEEKS OF OPERATION OF THE NEW GROUNDWATER EXTRACTION SYSTEM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880456

Document Type: Monitoring Reports **Document Date:** 1/25/1990
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SEVENTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1375370860/gwmjan90p1%2Epdf

Document Type: Site Documents **Document Date:** 1/16/1990
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SOIL AND GROUNDWATER ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5879953

Document Type: Site Documents **Document Date:** 11/7/1989
Type: SITE INVESTIGATION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SITE HYDROLOGY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880457

Document Type: Monitoring Reports **Document Date:** 8/25/1989
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SITE CLEANUP ORDER NO. 88-012 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5470524668/22aug89%2Epdf

Document Type: Site Documents **Document Date:** 8/21/1989
Type: CAP/RAP - FINAL REMEDIATION / DESIGN PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CLOSURE PLAN DOCUMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5879827

Document Type: Monitoring Reports **Document Date:** 8/11/1989
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RESULTS OF SEMIANNUAL GROUNDWATER SAMPLING -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5794126749/7aug89%2Epdf

Document Type: Monitoring Reports **Document Date:** 2/1/1989
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SIXTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7563597738/jan89gwm%2Epdf

Document Type: Monitoring Reports **Document Date:** 12/19/1988
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)

Title: SEMIANNUAL GROUNDWATER SAMPLING -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8702715814/14dec88%2Epdf

Document Type: Site Documents **Document Date:** 1/20/1988
Type: MEETING **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: EXECUTIVE OFFICER SUMMARY REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276675

Document Type: Site Documents **Document Date:** 1/20/1988
Type: CLEAN-UP AND ABATEMENT ORDER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ORDER #88-012
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276532

Document Type: Monitoring Reports **Document Date:** 10/5/1987
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FIFTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1466296136/30sep87%2Epdf

Document Type: Monitoring Reports **Document Date:** 9/29/1986
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FOURTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8648732066/86%2Epdf

Document Type: Monitoring Reports **Document Date:** 9/4/1986
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FOURTH GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3955510020/4gwwog%2Epdf

Document Type: Site Documents **Document Date:** 10/17/1985
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RESPONSE TO LETTER DATED SEPTEMBER 27,1985
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&enforcement_id=6276686

Document Type: Monitoring Reports **Document Date:** 9/6/1985
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: THIRD GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9506626963/3gwog%2Epdf

Document Type: Monitoring Reports **Document Date:** 4/18/1985
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SECOND GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2983219981/2gw85og%2Epdf

Document Type: Monitoring Reports **Document Date:** 3/26/1985
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SECOND GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/4753941416/26mar85%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/16/1985
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: GROUNDWATER MONITORING -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/4352665781/gwm85og%2Epdf

Document Type: Monitoring Reports **Document Date:** 12/31/1984
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FIRST GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5190922617/1gw84%2Epdf

Document Type: Site Documents **Document Date:** 11/28/1984
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: DRILLING AND INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880463

Document Type: Site Documents **Document Date:** 8/23/1984
Type: SITE INVESTIGATION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880353

Document Type: Site Documents **Document Date:** 5/26/1984
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SUBSURFACE INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880431

Document Type: Site Documents **Document Date:** 2/29/1984
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: DRAFT GROUNDWATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5879940

Document Type: Site Documents **Document Date:** 11/9/1983
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SITE HISTORY RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880434

Document Type: Site Documents **Document Date:** 7/5/1983
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RESPONSE TO REQUEST FOR PROFESSIONAL SERVICES FOR GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5879941

Document Type: Site Documents **Document Date:** 3/22/1983
Type: PRELIMINARY SITE ASSESSMENT REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: PRELIMINARY WATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL18233651&document_id=5880243

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 5/13/2022*
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8611697733/SL18233651.PDF

Submitted: 5/12/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3329928755/SL18233651.PDF

Submitted: 5/12/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEOBORE (F8R)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1561388492/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9374499738/SL18233651.PDF

Submitted: 2/25/2021

Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8890953779/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3524142682/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3296440839/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (HA-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4940417706/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1426018476/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8687157392/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6361446678/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2320506215/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_BORE (SG-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4155529320/SL18233651.PDF

Submitted: 2/25/2021
Submitted By: ANTEA GROUP (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4927149891/SL18233651.PDF

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Verification Monitoring
Date: 8/1/2019

Status: Open - Verification Monitoring
Date: 12/1/2006

Status: Open - Site Assessment
Date: 3/26/2003

Status: Open - Remediation
Date: 5/1/1986

Status: Open - Case Begin Date
Date: 1/2/1982

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	4 of14	W	0.04 / 226.40	20.53 / 1	H B FULLER COMPANY 6925 CENTRAL AVENUE NEWARK CA 94560	ENVIROSTOR

Estor/EPA ID: 01280007
Site Code:
Nat Priority List: NO
APN: 92-71-2
Census Tract: 6001444500
Site Type: * HISTORICAL
Address Description: 6925 CENTRAL AVENUE
Office: CLEANUP BERKELEY
Special Program:
Funding:
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.5248553972198
Longitude: -122.029707792813
Acres: NONE SPECIFIED
Supervisor:
Cleanup Status: REFER: RWQCB AS OF 12/17/2002
Cleanup Oversight Agencies: RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

HALOGENATED SOLVENTS
HYDROCARBON SOLVENTS

Site History:

The HB Fuller Site (Fuller/Site) is currently occupied by Stanford Designs, a furniture manufacturer and custom designer. The Site was vacant until 1959. Paisley Products Company (Paisley), a part of Nabisco Brands, owned and occupied the property from 1959 to 1975. In 1962, Paisley started producing and utilizing chemicals that included benzene, toluene, and 1,1,1-trichloroethane (1,1,1-TCA). Fuller purchased the property in 1975 and occupied it from that time until 1989. Fuller produced and stored industrial adhesives at the site for commercial packaging. Fuller was known to have used or stored at the site toluene, tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-TCA. Fuller relocated its manufacturing operations to Roseville, California in 1989; Stanford Designs leases the property from Fuller. Soil and groundwater investigations conducted at the Site in 1982 revealed the presence of volatile organic compounds (VOCs) in soil and groundwater. Remediation was conducted in 1986 under the oversight of the San Francisco Regional Water Quality Control Board (SFRWQCB) and included excavation and offsite disposal of approximately 100 cubic yards of contaminated soil. Groundwater remediation was also initiated in 1986; a groundwater pump and treat system has been installed and groundwater monitoring is still being conducted.

Status: REFER: RWQCB
Program Type: HISTORICAL
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01280007

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 8/30/1989
Comments:

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 4/21/1980
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	5 of14	W	0.04 / 226.40	20.53 / 1	H B FULLER CO 6925 CENTRAL AV NEWARK CA 94560	HHSS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036011.pdf

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16 | **6 of14** | **W** | **0.04 / 226.40** | **20.53 / 1** | **FULLER H B CO**
6925 CENTRAL AVE
NEWARK CA 94560 | **SEMS ARCHIVE**

Site ID: 0900044
EPA ID: CAD046414694
Superfund Alte Agr: No
Federal Facility: No
FF Docket: No
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

FIPS Code: 06001
Cong District: 10
Region: 09
County: ALAMEDA

Action Information

Operable Units: 00
Action Code: PA
Action Name: PA
Start Actual:
Finish Actual: 08/30/1989
Curr Action Lead: EPA Perf

Qual: L
SEQ: 1
FF: N
FF Docket: N
Region: 09

Operable Units: 00
Action Code: SI
Action Name: SI
Start Actual:
Finish Actual: 09/14/1992
Curr Action Lead: EPA Perf

Qual: N
SEQ: 1
FF: N
FF Docket: N
Region: 09

Operable Units: 00
Action Code: DS
Action Name: DISCVRY
Start Actual: 01/01/1988
Finish Actual: 01/01/1988
Curr Action Lead: EPA Perf

Qual:
SEQ: 1
FF: N
FF Docket: N
Region: 09

Operable Units: 00
Action Code: VS
Action Name: ARCH SITE
Start Actual:
Finish Actual: 09/14/1992
Curr Action Lead: EPA Perf In-Hse

Qual:
SEQ: 1
FF: N
FF Docket: N
Region: 09

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16 | **7 of14** | **W** | **0.04 / 226.40** | **20.53 / 1** | **H.B. Fuller Co.**
6925 Central
Newark CA | **CDO/CAO**

Facility ID: 229442
Facility Type: Industrial
Status: Never Active
Status Date: 2/21/2013
Place Type: Facility
Place Sub Type:
Agency Type: Privately-Owned Business
No of Agencies: 1
Program: UNREGS
No of Programs: 1
WD ID: 2 019219N01
Reg Measure ID: 163170
Region 1: 2
Order No:
NPDES No Cano:

Design Flow:
Complexity:
Pretreatment:
Fee Code:
SIC Code 1: 3674
SIC Desc 1: Semiconductors and Related Devices
SIC Code 2:
SIC Desc 2:
SIC Code 3:
SIC Desc 3:
NAICS Code 1:
NAICS Desc 1:
NAICS Code 2:
NAICS Desc 2:
NAICS Code 3:

Major Minor:		***NAICS Desc 3:***	
NPDES Type:		***No of Places:***	1
Reclamation:		***Staff Assigned:***	Cherie McCaulou
Dredge Fill Fee:		***Place County:***	Alameda
A301H:		***Place Latitude:***	
Effective Date:		***Place Longitude:***	
Region:	2	***Source of Facility:***	Reg Meas
Agency Name:	H B Fuller Company		
Status 1:	Active		
Facility Waste Type:			
Facility Waste Type 3:			
Facility Waste Type 4:			
Facility Waste Type 2:			
Title:	Enforcement - 2 019219N01		
Description:			
Threat to Water Quality:			
Reg Measure Type:	Unregulated		
Program 1:	UNREGS		
No of Programs 1:	1		
Enforcement ID EID:	221717		
Order Resolution No:	R2-1999-0031		
Enforcement Action Type:	Clean-up and Abatement Order		
Effective Date 1:	5/25/1999		
Year Effective:			
Adoption Issuance Date:			
Achieve Date:			
Year Effective2:			
ACL Issuance Date:			
EPL Issuance Date:			
Latest Milestone Completion Da:			
Total Assessment Amount:	0		
Initial Assessed Amount:	0		
Liability Amount:	0		
Project Amount:	0		
Application Fee Amt Received:			
Liability Paid:	0		
Project Completed:	0		
Total Paid Completed Amount:	0		
Agency Issuing Enf:			
Date of Oldest Violation Linke:			
Rank 1 Violations:	0		
Rank 2 Violations:	0		
Rank 3 Violations:	0		
Unclassified Violations:	0		
Atox Violations No:	0		
Expiration Review Date:			
Termination Date:			
WDR Review Amend:			
WDR Review Revise Renew:			
WDR Review Resc Ind:			
WDR Review No Action Required:			
WDR Review Pending:			
WDR Review Planned:			
Status Enrollee:	No		
Individual General:	I		
No of Staff Assigned:	1		
Supervisor:	Stephen Hill		
No of Supervisors:	1		
Direction Voice:	Passive		
Region 2:	2		
Assigned Staff:			
No of Assigned Staff:			
Supervisor2:			
No of Supervisors 1:	1		

Program Category:	UNREGS	***Tot No of VIO Linked :***	0
Program Category 1:	UNREGS	***Ctox Violations No:***	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Late Report VIO No:	0	**Dfcnt Monitor VIO No:**	0
OEV VIO No:	0	**Dfcnt Report VIO No:**	0
Other Codes VIO No:	0	**Enfcmt Act VIO No:**	0
Permit Condit VIO No:	0	**Fees Violations No:**	0
Pretreatment VIO No:	0	**Groundwater VIO No:**	0
SSO Violations No:	0	**Hydro Mod VIO No:**	0
Surface Wtr VIO No:	0	**Effluent MMP Serious:**	0
SWPPP Violations No:	0	**Chronic MMP:**	0
Total MMP VIO No:	0	**Report MMP Serious:**	0
Priority Violations:	0	**Economic Benefit:**	
BMP Violations No:	0	**Staff Cost:**	
Cat1 Violations No:	0	**Max Pot Liability:**	
Cat2 Violations No:	0	**Termination Date 1:**	
Reporting F to Notify VIO No:	0		
Unauthorized Discharge VIO No:	0		
Basin Plan Prohibition VIO:	0		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	8 of14	W	0.04 / 226.40	20.53 / 1	H.B. Fuller Co. 6925 Central Newark CA	CDO/CAO

Facility ID:	229442	**Design Flow:**	
Facility Type:	Industrial	**Complexity:**	
Status:	Never Active	**Pretreatment:**	
Status Date:	2/21/2013	**Fee Code:**	
Place Type:	Facility	**SIC Code 1:**	3674
Place Sub Type:		**SIC Desc 1:**	Semiconductors and Related Devices
Agency Type:	Privately-Owned Business	**SIC Code 2:**	
No of Agencies:	1	**SIC Desc 2:**	
Program:	UNREGS	**SIC Code 3:**	
No of Programs:	1	**SIC Desc 3:**	
WD ID:	2 019219N01	**NAICS Code 1:**	
Reg Measure ID:	163170	**NAICS Desc 1:**	
Region 1:	2	**NAICS Code 2:**	
Order No:		**NAICS Desc 2:**	
NPDES No Cano:		**NAICS Code 3:**	
Major Minor:		**NAICS Desc 3:**	
NPDES Type:		**No of Places:**	1
Reclamation:		**Staff Assigned:**	Cherie McCaulou
Dredge Fill Fee:		**Place County:**	Alameda
A301H:		**Place Latitude:**	
Effective Date:		**Place Longitude:**	
Region:	2	**Source of Facility:**	Reg Meas
Agency Name:	H B Fuller Company		
Status 1:	Active		
Facility Waste Type:			
Facility Waste Type 3:			
Facility Waste Type 4:			
Facility Waste Type 2:			
Title:	Enforcement - 2 019219N01		
Description:	SCR CAO GW CLEANUP		
Threat to Water Quality:			
Reg Measure Type:	Unregulated		
Program 1:	UNREGS		
No of Programs 1:	1		
Enforcement ID EID:	219292		
Order Resolution No:	88-012		
Enforcement Action Type:	Clean-up and Abatement Order		
Effective Date 1:	1/13/1988		
Year Effective:			
Adoption Issuance Date:			
Achieve Date:			
Year Effective2:			
ACL Issuance Date:			
EPL Issuance Date:			
Latest Milestone Completion Da:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability Amount:	0
Project Amount:	0
Application Fee Amt Received:	
Liability Paid:	0
Project Completed:	0
Total Paid Completed Amount:	0
Agency Issuing Enf:	
Date of Oldest Violation Linke:	
Rank 1 Violations:	0
Rank 2 Violations:	0
Rank 3 Violations:	0
Unclassified Violations:	0
Atox Violations No:	0
Expiration Review Date:	
Termination Date:	
WDR Review Amend:	
WDR Review Revise Renew:	
WDR Review Resc Ind:	
WDR Review No Action Required:	
WDR Review Pending:	
WDR Review Planned:	
Status Enrollee:	No
Individual General:	I
No of Staff Assigned:	1
Supervisor:	Stephen Hill
No of Supervisors:	1
Direction Voice:	Passive
Region 2:	2
Assigned Staff:	
No of Assigned Staff:	
Supervisor2:	
No of Supervisors 1:	1

Program Category:	UNREGS	**Tot No of VIO Linked :**	0
Program Category 1:	UNREGS	**Ctox Violations No:**	0
Late Report VIO No:	0	**Dfcnt Monitor VIO No:**	0
OEV VIO No:	0	**Dfcnt Report VIO No:**	0
Other Codes VIO No:	0	**Enfcmt Act VIO No:**	0
Permit Condit VIO No:	0	**Fees Violations No:**	0
Pretreatment VIO No:	0	**Groundwater VIO No:**	0
SSO Violations No:	0	**Hydro Mod VIO No:**	0
Surface Wtr VIO No:	0	**Effluent MMP Serious:**	0
SWPPP Violations No:	0	**Chronic MMP:**	0
Total MMP VIO No:	0	**Report MMP Serious:**	0
Priority Violations:	0	**Economic Benefit:**	
BMP Violations No:	0	**Staff Cost:**	
Cat1 Violations No:	0	**Max Pot Liability:**	
Cat2 Violations No:	0	**Termination Date 1:**	

Reporting F to Notify VIO No:	0
Unauthorized Discharge VIO No:	0
Basin Plan Prohibition VIO:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
16	9 of14	W	0.04 / 226.40	20.53 / 1	Matheson Tri-Gas, Inc. 6925 CENTRAL AVE NEWARK CA 94560	CERS HAZ

Site ID:	397219
Latitude:	37.524344
Longitude:	-122.029510

Regulated Programs

EI ID:	10127512	**EI Description:**	Chemical Storage Facilities

EI ID: 10127512 ***EI Description:*** Hazardous Waste Generator

Violations

Violation Date: 10/16/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

Returned to compliance on 11/19/2018. OBSERVATION: The facility representatives are not sure if the business has notified the property owner in writing that the business is subject to the business plan program and has complied with its provisions. Property owner is listed at Michael Beckley in CERS. CORRECTIVE ACTION: Notify the property owner in writing that the business is subject to the business plan program and has complied with its provisions. Submit documentation of correction to the unified program agency.

Violation Description:

Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.

Violations

Violation Date: 10/25/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Notes:

Returned to compliance on 11/21/2018. OBSERVATION: Provide appropriate container to store used oil filters located adjacent to the helium compressor. Label container "drained used oil filters" and accumulation start date. CORRECTIVE ACTION: Submit photos to the CUPA demonstrating that the used oil filters are being properly managed or submit a bill of lading to this department demonstrating proper disposal.

Violation Description:

Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violations

Violation Date: 10/25/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 11/21/2018. OBSERVATION: Facility has a current Alameda County Dept. of Environmental Health (ACDEH) operating permit for Hazardous Materials Business Plan (HMBP), although is not permitted for hazardous waste generator. Facility representative states that used oil and drained used oil filters are generated from onsite maintenance activities of the helium compressor, and used oil generated is approximately 5 gallons every two to three months. CORRECTIVE ACTION: After the facility updates the Hazardous Materials Business Plan (HMBP) regarding the change in business activities (generating hazardous waste), an invoice will be sent to the financial contact provided through the California Environmental Reporting System (CERS) website. 1. The facility will obtain a valid ACDEH Operating Permit for hazardous waste generator program by paying the invoice. 2. Provide documentation to ACDEH within 30 days.

Violation Description:

Hazardous Waste Generator Program - Administration/Documentation - General

Violations

Violation Date: 10/25/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 11/21/2018. OBSERVATION: Three five gallon poly containers of used oil located adjacent to the helium compressor was observed without a hazardous waste label. CORRECTIVE ACTION: Submit a photo to Alameda County Dept. of Environmental Health (CUPA) demonstrating that the container listed above has been properly labeled. ACDEH to provide example label and markings.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 10/25/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Notes:

Returned to compliance on 11/21/2018. OBSERVATION: Owner/Operator failed to dispose of hazardous waste at a facility which has a permit from DTSC or disposed of hazardous waste at a point which is not authorized pursuant to HSC chapter 6.5. Facility representative states that used oil and drained used oil filters are generated from onsite maintenance activities of the helium compressor, and used oil generated is approximately 5 gallons every two to three months and then is self transported to Matheson location at 6775 Central Ave Newark for recycle. CORRECTIVE ACTION: Immediately discontinue disposing of hazardous waste at any facility not permitted by DTSC or causing hazardous waste to be disposed of at any point which is not authorized pursuant to HSC chapter 6.5. Submit a statement to the CUPA indicating how the facility's hazardous waste will be properly managed, and that all hazardous wastes will only be disposed at facilities permitted by DTSC in the future.

Violation Description:

Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.

Violations

Violation Date: 10/16/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 11/16/2018. OBSERVATION: The business failed to complete and electronically submit chemical inventory information for all reportable hazardous materials on site at or above reportable quantities: 1. Two hydrogen compressed gas cylinders approximately 250 cubic feet each. 2. Seven mixed gas methane/helium cylinders approximately 150 cubic feet each and one 250 cubic feet. 3. Two mixed gas oxygen/helium cylinders approximately 150 cubic feet each. 4. Two mixed gas oxygen/nitrogen cylinders approximately 150 cubic feet each. HMBP hazardous materials or hazardous waste reportable quantities are greater than or equal to 200 cubic feet of a compressed gas, 55 gallons of a liquid, or 500 pounds of a solid substance. CORRECTIVE ACTION: Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities. Submit electronically through CERS website at http://cers.calepa.ca.gov/ within 30 days.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/09/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/17/2015. OBSERVATIONS: The chemical inventory in CERS must be updated. CORRECTIVE ACTIONS: Update CERS with the following: liquid helium must include the dewars in the maximum daily amount stored onsite; the liquid nitrogen tank amount must be updated to 13,000 gallons; propane must be updated to 287 cubic feet for the largest container size and 2009 cubic feet for maximum stored onsite and include separate line items for the inert mixes.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 10/16/2018
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 11/16/2018. OBSERVATION: The business failed to update business plan within 30 days when one of the following occurs: a 100 percent or more increase in the quantity of a previously disclosed material; any handling of a previously undisclosed hazardous material; a change of business address, business ownership, or business name; or a substantial change in the handler's operations that requires modification to any portion of the business plan. 1. Chemical inventory changes include: Two hydrogen compressed gas cylinders approximately 250 cubic feet each, seven mixed gas methane/helium cylinders approximately 150 cubic feet each and one 250 cubic feet, two mixed gas oxygen/helium cylinders approximately 150 cubic feet each, and two mixed gas oxygen/nitrogen cylinders approximately 150 cubic feet each. 2. Changes in the Business Owner/Operator page include: Secondary Emergency Contact and 24-hour phone information. CORRECTIVE ACTION: Update all submittal elements effected by the [Truncated]

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 10/16/2018
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 11/16/2018. OBSERVATION: 1. Business Activities: The last complete Hazardous Materials Business Plan (HMBP) submitted to the CUPA 5/17/2018 does not accurately reflect the facility's practices of generating hazardous waste. Facility representative states that used oil and drained used oil filters are generated from onsite maintenance activities of the helium compressor, and used oil generated is approximately 5 gallons every two to three months. 2. Business Owner/Operator Identification: The HMBP Business Owner/Operator Identification page secondary emergency contact is no longer employed with Matheson Tri-Gas, Inc and requires to be updated along with 24-hour phone to 510-299-9099. Primary Emergency Contact 24-hour phone is incorrect requires to be updated to 510-513-7276. CORRECTIVE ACTION: 1. Please update the HMBP Business Activities page electronically in the California Environmental Reporting System (CERS) by checking "YES" to the hazardous waste question "is [Truncated]

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Evaluations

Eval Date: 06/09/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Onsite today with James Chamberlain, Operations Manager for Matheson Tri-Gas. This facility transfills liquid and compressed helium. Onsite is a 11,000 gallons liquid helium transportable dewar/tank plus numerous smaller dewars from 5-25 gallons each. There are also 10 compressed helium tube trailers at 180,000 cubic feet each with only one or two full at the same time. There is 13,000 gallon liquid nitrogen tank stored outside for filling of tanker trucks. There are also numerous empty cylinders (propane, oxygen etc) stored outside. The Hazardous Materials Business Plan (HMBP) was last submitted to the California Environmental Reporting System on April 1, 2015. Please update the Business Activities form to show "NO" for "Is your facility a Hazardous Waste Generator?" All violations noted in this HMBP inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame. CERTIFICATION OF RETURN TO [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/12/2023

Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site at Matheson Tri-Gas located at 6925 Central Ave. Newark for the HMBP inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/12/2023
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site at Matheson Tri-Gas located at 6925 Central Ave. Newark for the HW Generator inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/09/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

This facility does not generate any hazardous waste and will be removed from the Hazardous Waste Generator program. Facility has an active EPA ID # CAL000375830.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/16/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

As a result of the Hazardous Materials Business Plan (HMBP) inspection 10-16-2018, it was determined that facility qualifies as a hazardous waste generator. Facility representative states that used oil and drained used oil filters are generated from onsite maintenance activities of the helium compressor, and used oil generated is approximately 5 gallons every two to three months. Facility is to immediately stop self transportation of used oil and drained used oil filters to Matheson location at 6775 Central Ave Newark for recycle. Facility may qualify to utilize Alameda County Household Hazardous Waste http://www.stopwaste.org.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/16/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County Dept. of Environmental Health (ACDEH) inspector arrived on-site at Matheson Tri-Gas, Inc. 6925 Central Ave Newark, CA 94560 to conduct an inspection of Hazardous Materials Business Plan (HMBP). ACDEH met with Helium Plant Operator/Supervisor Erich Friedrich, and Plant Manager Adam Awkal who provided consent for and assisted ACDEH with the inspection. Facility has three employees and is base for two drivers. Facility stores bulk liquid helium and transfills the liquid helium to dewars for customer orders. Multiple empty dewars stored in the warehouse ranging in size from 60 to 500 liters. There is a helium gas recovery system that captures helium vapor gas then transferred to tube trailers stored onsite. A small lab in the facility tests for purification. HMBP is readily available to all employees. In review of the facility's business plan there are changes required in the business activities and business owner/operator pages reported in the [Truncated]; Note: data in [EVAL Notes] field for some records is truncated

from the source.

Affiliations

Affil Type Desc: Document Preparer
Entity Name: PSM RMP Solutions
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6925 Central Ave.
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Identification Signer
Entity Name: Adam Awkal
Entity Title: Hub Plant Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Michael Beckley
Entity Title:
Address: 3715 Haven Ave.
City: Menlo Park
State: CA
Country: United States
Zip Code: 94025
Phone: (415) 716-1527

Affil Type Desc: Operator
Entity Name: Matheson Tri-Gas, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 513-7276

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Legal Owner
Entity Name: Matheson Tri-Gas, Inc.
Entity Title:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address: 150 Allen Road, Ste. 302
City: Basking Ridge
State: NJ
Country: United States
Zip Code: 07920
Phone: (800) 828-4313

Affil Type Desc: Environmental Contact
Entity Name: JAMES MURPHREE
Entity Title:
Address: 1700 Scepter Rd.
City: Waverly
State: TN
Country:
Zip Code: 37185
Phone:

Affil Type Desc: Parent Corporation
Entity Name: Matheson Tri-Gas, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HMBP
Program ID: 10127512
Latitude: 37.524857
Longitude: -122.029686
Coord Name:
Ref Point Type Desc: Unknown

16	10 of14	W	0.04 / 226.40	20.53 / 1	H B FULLER CO 6925 CENTRAL AV NEWARK CA	HIST TANK

Owner Name: H B FULLER CO
Owner Street: 2400 KASOTA AV
Owner City: ST PAUL
Owner State: MN
Owner Zip: 55108
No of Containers: 2
County: ALAMEDA
Facility State: CA
Facility Zip: 94560

16	11 of14	W	0.04 / 226.40	20.53 / 1	MATHESON GAS 6925 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000375830
Gen Status Universe: No Report
Contact Name: JAMES MURPHREE
Contact Address: 1700 SCEPTER ROAD , , WAVERLY , TN, 37185 ,
Contact Phone No and Ext: 931-296-8151
Contact Email: JMURPHREE@MATHESONGAS.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20120628
Location Latitude: 37.524518
Location Longitude: -122.029203

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records

associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20120628
Handler Name:	MATHESON GAS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	1700 SCEPTER ROAD
Name:	JAMES MURPHREE	***Street 2:***	
Date Became Current:		***City:***	WAVERLY
Date Ended Current:		***State:***	TN
Phone:	931-296-8151	***Country:***	
Source Type:	Implementer	***Zip Code:***	37185
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	150 ALLEN ROAD
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Date Became Current:		***City:***	BASKING RIDGE
Date Ended Current:		***State:***	NJ
Phone:	931-296-8151	***Country:***	
Source Type:	Implementer	***Zip Code:***	07920-0000

16	***12 of14***	***W***	***0.04 / 226.40***	***20.53 / 1***	***H B FULLER CO 6925 CENTRAL AVE NEWARK CA 94560***	***RCRA NON GEN***

EPA Handler ID:	CAD046414694
Gen Status Universe:	No Report
Contact Name:	STEVEN A REED
Contact Address:	US
Contact Phone No and Ext:	612-481-1873
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	19900412
Location Latitude:	
Location Longitude:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:
Mixed Waste Generator:
Transporter Activity:
Transfer Facility:
Onsite Burner Exemption:
Furnace Exemption:
Underground Injection Activity:
Commercial TSD: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900412
Handler Name: H B FULLER CO
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

16	13 of14	W	0.04 / 226.40	20.53 / 1	H. B. FULLER CO. 6925 CENTRAL AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - VERIFICATION MONITORING
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL18233651
Fac ID:
Desc:

Inv Party:
Inv P Type:

16	14 of14	W	0.04 / 226.40	20.53 / 1	H B FULLER COMPANY 6925 CENTRAL AVENUE NEWARK CA 94560	CALSITES

ID No: 01280007
Status Date: 02/14/1995
NPL:
Tier:
Fund:
Access :

Assembly:
Senate:
Region: 2
Region Name: BERKELEY
County Co: 01
Facility County: ALAMEDA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Access Code:	NOT REPORTED	**Lat Deg:**	0
Cortese:		**Lat Min:**	0
Hrscore:		**Lat Sec:**	0
Hrsdate:		**Lat Dir:**	
Groundwater Contam:		**Long Deg:**	0
GW Code:	NOT REPORTED	**Long Min:**	0
No Sources:	0	**Long Sec:**	0
RWQCB Name:	SAN FRANCISCO BAY	**Long Dir:**	
Branch Name:	NORTH COAST	**LImethod:**	
Staff:		**LIdesc:**	
Senior:			

Status Name: PROPERTY/SITE REFERRED TO RWQCB
Type Name: N/A
Lead Name: N/A
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Filename:
Comments:

Facility identified via drive-by: Site is now H B Fuller Co Facility Drive-by: Barrels of industrial adhesive chemicals; 600 feet to nearest off-site structure. Follow-up Facility Drive-by: No problem. EPA completed Preliminary Assessment and recommend Screening Site Inspection (medium priority).

Background:

17	1 of15	NE	0.05 / 272.32	20.59 / 1	**MILPRINT PACKAGING** **6590 CENTRAL AVE.** **NEWARK CA 94560**	RCRA LQG

EPA Handler ID: CAD009120866
Gen Status Universe: Large Quantity Generator
Contact Name: HOWARD HOFMEISTER
Contact Address: 2200 , BADGER AVE. , , OSHKOSH , WI, 54904 , US
Contact Phone No and Ext: 920-527-7417
Contact Email: HOFFMEISTER@BEMIS.COM
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20120227
Location Latitude: 37.514838
Location Longitude: -122.048223

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20110414
Scheduled Compliance Date:
Return to Compliance: Unverifiable
Actual Return to Compl: 20160414
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 114
Enforcement Type Description:
Enforcement Action Date: 20110428

Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20040928
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20041015
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040928
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 262.30-34.C
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980511
Scheduled Compliance Date:
Return to Compliance: Unverifiable
Actual Return to Compl: 20041028
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 114
Enforcement Type Description:
Enforcement Action Date: 19980630
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20110414
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20160414
Evaluation Agency: EPA

Evaluation Start Date: 20050926
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20050609
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20041102
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20040928
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20041015
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19980511
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20041028
Evaluation Agency: EPA

Evaluation Start Date: 19931105
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19901008
Handler Name: AMERICAN NATIONAL CAN CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920210
Handler Name: AMERICAN NATIONAL CAN CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19940228
Handler Name: AMERICAN NATIONAL CAN CO.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 19960122
Handler Name: AMERICAN NATIONAL CAN - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: PECHINEY PLASTIC PACKAGING INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 19990304
Handler Name: AMERICAN NATIONAL CAN
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19990728
Handler Name: PECHINEY PLASTIC PACKAGING INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20001012
Handler Name: PECHINEY PLASTIC PACKAGING, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20020227
Handler Name: PECHINEY PLASTIC PACKAGING, INC. -PPNC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20040225
Handler Name: PECHINEY PLASTIC PACKAGING, INC. - PPNC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U213
Waste Code Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U359
Waste Code Description: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20040225
Handler Name: PECHINEY PLASTIC PACKAGING, INC. - PPNC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20080226
Handler Name: BAY AREA COMPLES
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20100325
Handler Name: MILPRINT PACKAGING LLC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20100511
Handler Name: BAY AREA COMPLEX
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20120227
Handler Name: MILPRINT PACKAGING
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	PECHINEY PLASTIC PACKAGING, INC.	***Street 2:***	
Dt Became Current:	19871201	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MILPRINT PACKAGING INC	***Street 2:***	
Dt Became Current:	20100301	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	8770 WEST BRYN MAWR AVENUE
Name:	PECHINEY PLASTIC PACKAGING, INC.	***Street 2:***	
Dt Became Current:	19871201	***City:***	CHICAGO
Dt Ended Current:		***State:***	IL
Phone:		***Country:***	US
Source Type:	Implementer	***Zip Code:***	60631

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Dt Became Current:		***City:***	NOT REQUIRED
Dt Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Implementer	***Zip Code:***	99999

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	8770 WEST BRYN MAWR AVENUE
Name:	PECHINEY PLASTIC PACKAGING, INC.	***Street 2:***	
Dt Became Current:	19871201	***City:***	CHICAGO
Dt Ended Current:		***State:***	IL
Phone:		***Country:***	US

Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60631
Owner/Operator Ind:	Current Owner	**Street No:**	8770
Type:	Private	**Street 1:**	WEST BRYN MAWR AVENUE
Name:	PECHINEY PLASTIC PACKAGING, INC.	**Street 2:**	
Dt Became Current:	19871201	**City:**	CHICAGO
Dt Ended Current:		**State:**	IL
Phone:	773-339-8000	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	60631
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	PECHINEY PLASTIC PACKAGING, INC.	**Street 2:**	
Dt Became Current:	19871201	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	8770 WEST BRYN MAWR AVENUE
Name:	PECHINEY PLASTIC PACKAGING	**Street 2:**	
Dt Became Current:	19871201	**City:**	CHICAGO
Dt Ended Current:		**State:**	IL
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	60631
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GERALD BARTZ	**Street 2:**	
Dt Became Current:	20051005	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3550 MOSER ST
Name:	MILPRINT PACKAGING INC	**Street 2:**	
Dt Became Current:	20100301	**City:**	OSHKOSH
Dt Ended Current:		**State:**	WI
Phone:	920-527-2300	**Country:**	US
Source Type:	Notification	**Zip Code:**	54901
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	PECHINEY PLASTIC PACKAGING, INC	**Street 2:**	
Dt Became Current:	19871201	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Operator	**Street No:**	6590
Type:	Private	**Street 1:**	CENTRAL AVE.
Name:	MILPRINT PACKAGING, LLC	**Street 2:**	
Dt Became Current:	20100301	**City:**	NEWARK
Dt Ended Current:		**State:**	CA
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	8770 W BRYN MAWR AVE
Name:	PECHINEY PLASTIC PACKAGING INC	**Street 2:**	
Dt Became Current:		**City:**	CHICAGO
Dt Ended Current:		**State:**	IL
Phone:	773-399-3000	**Country:**	
Source Type:	Notification	**Zip Code:**	60631
Owner/Operator Ind:	Current Owner	**Street No:**	3550
Type:	Private	**Street 1:**	MOSER ST.
Name:	MILPRINT INC.	**Street 2:**	

Dt Became Current:	20100301	**City:**	OSHKOSH
Dt Ended Current:		**State:**	WI
Phone:	920-727-4100	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	54901

Historical Handler Details

Receive Dt: 20100511
Generator Code Description: Large Quantity Generator
Handler Name: BAY AREA COMPLEX

Receive Dt: 20100325
Generator Code Description: Large Quantity Generator
Handler Name: MILPRINT PACKAGING LLC

Receive Dt: 20080226
Generator Code Description: Large Quantity Generator
Handler Name: BAY AREA COMPLES

Receive Dt: 20040225
Generator Code Description: Large Quantity Generator
Handler Name: PECHINEY PLASTIC PACKAGING, INC. - PPNC

Receive Dt: 20040225
Generator Code Description: Small Quantity Generator
Handler Name: PECHINEY PLASTIC PACKAGING, INC. - PPNC

Receive Dt: 20020227
Generator Code Description: Large Quantity Generator
Handler Name: PECHINEY PLASTIC PACKAGING, INC. -PPNC

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: PECHINEY PLASTIC PACKAGING, INC.

Receive Dt: 19990728
Generator Code Description: Large Quantity Generator
Handler Name: PECHINEY PLASTIC PACKAGING INC

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: AMERICAN NATIONAL CAN

Receive Dt: 19960901
Generator Code Description: Large Quantity Generator
Handler Name: PECHINEY PLASTIC PACKAGING INC

Receive Dt: 19960122
Generator Code Description: Large Quantity Generator
Handler Name: AMERICAN NATIONAL CAN - NEWARK, CA

Receive Dt: 19940228
Generator Code Description: Large Quantity Generator
Handler Name: AMERICAN NATIONAL CAN CO.

Receive Dt: 19920210
Generator Code Description: Large Quantity Generator
Handler Name: AMERICAN NATIONAL CAN CO.

Receive Dt: 19901008
Generator Code Description: Large Quantity Generator
Handler Name: AMERICAN NATIONAL CAN CO

17	2 of15	NE	0.05 / 272.32	20.59 / 1	AMERICAN NATIONAL CAN 6590 CENTRAL AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: SL0600193943
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444601
RWQCB Region (DL):
Longitude:
Latitude:
Address: 6590 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0512
Local Case No: 0598
Begin Date: 4/18/2000
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker: SZ
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt: 2000-04-18 00:00:00
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2000-04-18 00:00:00

Status: Open - Case Begin Date
Status Date: 2000-04-18 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: SELIM ZEYREK
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: selim.zeyrek@acwd.com
Phone No:

Contact Type: Regional Board Caseworker

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600193943
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 4/18/2000
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0598
CASE MANAGER: SELIM ZEYREK
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0512
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600193943&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 4/18/2000

Status: Open - Case Begin Date
Date: 4/18/2000

17	3 of15	NE	0.05 / 272.32	20.59 / 1	ALCAN PLASTIC PACKAGING PLANT 6590 CENTRAL AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: SL0600139630
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Address: 6590 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
Case Type (DL):
Census Tract: 6001444601
RWQCB Region (DL):
Longitude:
Latitude:

State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0683
Local Case No: 0907
Begin Date: 4/4/2007
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: NEWARK, CITY OF
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
How Discovered:
Stop Method:
Stop Description:
Case Worker: SZ
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt: 2008-10-03 00:00:00
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2008-10-03 00:00:00

Status: Open - Case Begin Date
Status Date: 2007-04-04 00:00:00

Status: Open - Site Assessment
Status Date: 2007-04-04 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: SELIM ZEYREK
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: selim.zeyrek@acwd.com
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: HOLLY GUIER
Organization Name: NEWARK, CITY OF
Address:
City: NEWARK
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600139630
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 10/3/2008
Potential COC: DIESEL, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0907
CASE MANAGER: SELIM ZEYREK
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0683
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600139630&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 9/11/2006
End Date: 12/6/2006
Phase: Soil
Contaminant Mass Removed:
Description: 85 TONS IS THE AMOUNT OF SOIL ONLY FROM EXCAVATION ON DECEMBER 6, 2006. TOTAL IS UNKNOWN.

Action Type: PUMP & TREAT (P&T) GROUNDWATER
Begin Date: 9/11/2006
End Date: 12/6/2006
Phase: Soil
Contaminant Mass Removed:
Description:

Action Type: IN SITU PHYSICAL/CHEMICAL TREATMENT (OTHER THAN SVE)
Begin Date: 12/1/2006
End Date: 12/1/2006
Phase: Soil
Contaminant Mass Removed:
Description: STRONG OXIDIZING AGENT: SODIUM PERSUFLATE WITH CALCIUM PEROXIDE

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Site Visit / Inspection / Sampling
Action Date: 1/13/2016
Received Issue Date: 1/13/2016
Doc Link:
Title Description Comments:

Second storm water inspection. Photos taken

Action Type: Other Regulatory Actions
Action: Site Visit / Inspection / Sampling
Action Date: 12/5/2015
Received Issue Date: 12/5/2015
Doc Link:
Title Description Comments:

Storm water inspection photos taken

Action Type: Other Regulatory Actions
Action: Verbal Communication
Action Date: 11/23/2015
Received Issue Date: 11/23/2015
Doc Link:
Title Description Comments:

Internal Communication among Regional Water Board Staffers Regarding Storm Water Pollution Prevention Program Compliance. The operator/owner has an active SWPPP permit - WDID 2-01C372759 As of 11/23/2015.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0683
Action Date: 10/3/2008
Received Issue Date: 10/3/2008
Doc Link:
Title Description Comments:

No Further Action Letter

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 10/3/2008
Received Issue Date: 10/3/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139630&enforcement_id=6069621&temptable=ENFORCEMENT
Title Description Comments:

Case Closure Letter

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/21/2008
Received Issue Date: 5/21/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139630&enforcement_id=5988696&temptable=ENFORCEMENT
Title Description Comments:

ACWD SLIC Case Closure letter to RWQCB

Action Type: Cleanup Action
Action: In Situ Physical/Chemical Treatment (other than SVE)
Action Date: 12/1/2006

Received Issue Date:
Doc Link:
Title Description Comments:

STRONG OXIDIZING AGENT: SODIUM PERSUFLATE WITH CALCIUM PEROXIDE

Action Type: Cleanup Action
Action: Pump & Treat (P&T) Groundwater
Action Date: 9/11/2006
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Excavation
Action Date: 9/11/2006
Received Issue Date:
Doc Link:
Title Description Comments:

85 TONS IS THE AMOUNT OF SOIL ONLY FROM EXCAVATION ON DECEMBER 6, 2006. TOTAL IS UNKNOWN.

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 10/3/2008
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: (REGULATOR)
Title: CASE CLOSURE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139630&enforcement_id=6069621

Document Type: Site Documents ***Document Date:*** 5/21/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: M. SELIM ZEYREK (REGULATOR)
Title: ACWD SLIC CASE CLOSURE LETTER TO RWQCB
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600139630&enforcement_id=5988696

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 10/3/2008

Status: Open - Site Assessment
Date: 4/4/2007

Status: Open - Case Begin Date
Date: 4/4/2007

17	***4 of15***	***NE***	***0.05 / 272.32***	***20.59 / 1***	***GUARDIAN PACKAGING CORP 6590 CENTRAL AVE NEWARK CA 94560***	***HHSS***

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0003600c.pdf

17	***5 of15***	***NE***	***0.05 / 272.32***	***20.59 / 1***	***MISSION LINEN SUPPLY 6590 CENTRAL AVE NEWARK CA***	***DRYCLEANERS***

EPA ID: CAC002825935 ***Owner City:*** SANTA BARBARA
Create Date: 8/13/2015 ***Owner State:*** CA
Facility Act Ind: No ***Owner Zip:*** 931033219

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Inact Date:	11/13/2015	**Owner Phone:**	8059631841
Reason:	SIC/NAICS	**Owner Fax:**	8056872684
Region Code:	2	**Contact Name:**	MARK SAPOSNIK
DD Latitude:	37.527263	**Contact Street 1:**	1340 W 7TH ST
DD Longitude:	-122.026883	**Contact Street 2:**	
Facility County Code:	(01) ALAMEDA	**Contact City:**	CHICO
Mail Name:		**Contact State:**	CA
Owner Name:	MISSION LINEN SUPPLY	**Contact Zip:**	95928
Owner Street 1:	702 E MONTECITO ST	**Contact Phone:**	5303424110
Owner Street 2:		**Contact Fax:**	5303427499

NAICS Details

NAICS Code:	812331
NAICS Description:	Linen Supply
SIC Code:	7219
SIC Description:	Linen Supply

17	**6 of15**	**NE**	**0.05 / 272.32**	**20.59 / 1**	**BEMIS FLEXIBLE PACKAGING-MILPR** **6590 CENTRAL AVE** **NEWARK CA 94560**	**EMISSIONS**

2009 Criteria Data

Facility ID:	20177	**CERR Code:**	
Facility SIC Code:	3081	**TOGT:**	23.768
CO:	1	**ROGT:**	19.786005
Air Basin:	SF	**COT:**	.649
District:	BA	**NOXT:**	2.598
COID:	ALA	**SOXT:**	.01
DISN:	BAY AREA AQMD	**PMT:**	8.344
CHAPIS:		**PM10T:**	7.502846

2009 Toxic Data

Facility ID:	20177	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	20177	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	20177	**CERR Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	3081	**TOGT:**	21.917
CO:	1	**ROGT:**	17.8773301
Air Basin:	SF	**COT:**	.656
District:	BA	**NOXT:**	2.629
COID:	ALA	**SOXT:**	.01
DISN:	BAY AREA AQMD	**PMT:**	9.2807320944638017808749516066589237320 9
CHAPIS:		**PM10T:**	8.345

2011 Toxic Data

Facility ID:	20177	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	20177	**CERR Code:**	
Facility SIC Code:	3081	**TOGT:**	21.824
CO:	1	**ROGT:**	17.9131469
Air Basin:	SF	**COT:**	.232
District:	BA	**NOXT:**	.933
COID:	ALA	**SOXT:**	.003
DISN:	BAY AREA AQMD	**PMT:**	9.2437320944638017808749516066589237320 9
CHAPIS:		**PM10T:**	8.308

2012 Toxic Data

Facility ID:	20177	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

17	***7 of15***	***NE***	***0.05 / 272.32***	***20.59 / 1***	***MISSION LINEN SUPPLY 6590 CENTRAL AVE NEWARK CA 94560***	***EMISSIONS***

2015 Criteria Data

Facility ID:	23084	**CERR Code:**	
Facility SIC Code:	7213	**TOGT:**	.142648751
CO:	1	**ROGT:**	.107471539
Air Basin:	SF	**COT:**	.64800094
District:	BA	**NOXT:**	2.59628116
COID:	ALA	**SOXT:**	.010520717
DISN:	BAY AREA AQMD	**PMT:**	.05554294
CHAPIS:		**PM10T:**	.05554294

2015 Toxic Data

Facility ID:	23084	**COID:**	ALA
Facility SIC Code:	7213	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	23084	**CERR CODE:**	
Facility SIC Code:	7213	**TOGT:**	.142648754
CO:	1	**ROGT:**	.1180699191268
Air Basin:	SF	**COT:**	.648000899
District:	BA	**NOXT:**	2.596281241
COID:	ALA	**SOXT:**	.010520717
DISN:	BAY AREA AQMD	**PMT:**	.05554294
CHAPIS:		**PM10T:**	.05554294

2016 Toxic Data

Facility ID:	23084	**TS:**	
Facility SIC Code:	7213	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	ALA	**AH Index:**	
CO:	1	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	23084	**CERR Code:**	
Facility SIC Code:	7213	**TOGT:**	.142648754
CO:	1	**ROGT:**	.1180699191268
Air Basin:	SF	**COT:**	.648000899
District:	BA	**NOXT:**	2.596281241
COID:	ALA	**SOXT:**	.010520717
DISN:	BAY AREA AQMD	**PMT:**	.05554294
CHAPIS:		**PM10T:**	.05554294

2017 Toxic Data

Facility ID:	23084	**COID:**	ALA
Facility SIC Code:	7213	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	23084	**CERR Code:**	
Facility SIC Code:	7213	**TOGT:**	.142743411
CO:	1	**ROGT:**	.1181482664974
Air Basin:	SF	**COT:**	.648430894
District:	BA	**NOXT:**	2.598004034
COID:	ALA	**SOXT:**	.010527686

DISN: BAY AREA AQMD
CHAPIS:
PMT: .05557979
PM10T: .05557979

2018 Toxic Data

Facility ID: 23084
Facility SIC Code: 7213
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2019 Criteria Data

CO: 1
Air Basin: SF
Facility ID: 23084
District: BA
Facility SIC Code: 7213
CO ID: ALA
DISN: BAY AREA AQMD
PM10T: 12.417513754
TOGT: 12.332825056
PMT: 17.681792535
CHAPIS:
CERR Code:
ROGT: 12.2149375857923
COT: .543525066
NOXT: 4.951814639
SOXT: .025419043

2019 Toxic Data

CO: 1
Air Basin: SF
Faccility ID: 23084
District: BA
Facility SIC Code: 7213
COID: ALA
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TS:
Health Risk Asmt:

2020 Criteria Data

CO: 1
Air Basin: SF
Facility ID: 23084
District: BA
Facility SIC Code: 7213
CO ID: ALA
DISN: BAY AREA AQMD
TOGT: 11.653960763
PMT: 16.80115867
PM10T: 11.777491197
CHAPIS:
CERR Code:
ROGT: 11.6093898214759
COT: .436187227
NOXT: 1.639394503
SOXT: .010531687

2020 Toxic Data

CO: 1
Air Basin: SF
Facility ID: 23084
District: BA
Facility SIC Code: 7213
COID: ALA
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: BAY AREA AQMD
CHAPIS:
CHERR Code:
TS:
Health Risk Asmt:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	8 of15	NE	0.05 / 272.32	20.59 / 1	PECHINEY PLASTIC PACKAGING, IN 6590 CENTRAL AVE NEWARK CA 94560	EMISSIONS

1998 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2671	***TOGT:***	11.5
CO:	1	***ROGT:***	10.37514
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.9
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1998 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2671	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2671	***TOGT:***	18.873
CO:	1	***ROGT:***	18.0409664
Air Basin:	SF	***COT:***	.284
District:	BA	***NOXT:***	1.132
COID:	ALA	***SOXT:***	.004
DISN:	BAY AREA AQMD	***PMT:***	.024
CHAPIS:		***PM10T:***	.013776

1999 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2671	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2671	***TOGT:***	18.873
CO:	1	***ROGT:***	18.05
Air Basin:	SF	***COT:***	.284
District:	BA	***NOXT:***	1.132
COID:	ALA	***SOXT:***	.004
DISN:	BAY AREA AQMD	***PMT:***	.024
CHAPIS:		***PM10T:***	0

2000 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2671	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2671	***TOGT:***	12.75
CO:	1	***ROGT:***	11.4
Air Basin:	SF	***COT:***	.35
District:	BA	***NOXT:***	1.39
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	.04
CHAPIS:	Y	***PM10T:***	0

2001 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2671	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	3081	***TOGT:***	18.497
CO:	1	***ROGT:***	15.9953689
Air Basin:	SF	***COT:***	.182
District:	BA	***NOXT:***	.723
COID:	ALA	***SOXT:***	.002
DISN:	BAY AREA AQMD	***PMT:***	.016
CHAPIS:	Y	***PM10T:***	.009184

2002 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	3081	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	273	***CERR Code:***	

Facility SIC Code:	3081	**TOGT:**	47.52
CO:	1	**ROGT:**	36.89
Air Basin:	SF	**COT:**	.143
District:	BA	**NOXT:**	.576
COID:	ALA	**SOXT:**	.002
DISN:	BAY AREA AQMD	**PMT:**	.013
CHAPIS:	Y	**PM10T:**	0

2003 Toxic Data

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	Y
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	273	**CERR Code:**	
Facility SIC Code:	3081	**TOGT:**	27.104
CO:	1	**ROGT:**	23.9637937
Air Basin:	SF	**COT:**	.102
District:	BA	**NOXT:**	.409
COID:	ALA	**SOXT:**	.001
DISN:	BAY AREA AQMD	**PMT:**	.009
CHAPIS:	Y	**PM10T:**	.005166

2004 Toxic Data

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	Y
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	273	**CERR Code:**	
Facility SIC Code:	3081	**TOGT:**	17.53
CO:	1	**ROGT:**	17.440218
Air Basin:	SF	**COT:**	.125
District:	BA	**NOXT:**	.5
COID:	ALA	**SOXT:**	.002
DISN:	BAY AREA AQMD	**PMT:**	.011
CHAPIS:	Y	**PM10T:**	.006314

2005 Toxic Data

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	Y
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2006 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	3081	***TOGT:***	15.412
CO:	1	***ROGT:***	15.3439132
Air Basin:	SF	***COT:***	.19
District:	BA	***NOXT:***	.756
COID:	ALA	***SOXT:***	.003
DISN:	BAY AREA AQMD	***PMT:***	.017
CHAPIS:	Y	***PM10T:***	.009758

2006 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	3081	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	3081	***TOGT:***	17.371
CO:	1	***ROGT:***	17.3041483
Air Basin:	SF	***COT:***	.259
District:	BA	***NOXT:***	1.036
COID:	ALA	***SOXT:***	.004
DISN:	BAY AREA AQMD	***PMT:***	.022
CHAPIS:		***PM10T:***	.014758

2007 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	3081	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	3081	***TOGT:***	12.177
CO:	1	***ROGT:***	12.1514446
Air Basin:	SF	***COT:***	.192
District:	BA	***NOXT:***	.767
COID:	ALA	***SOXT:***	.003
DISN:	BAY AREA AQMD	***PMT:***	8.305
CHAPIS:		***PM10T:***	7.468958

2008 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	3081	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	9 of15	NE	0.05 / 272.32	20.59 / 1	AMERICAN NATIONAL CAN COMPANY 6590 CENTRAL AVE NEWARK CA 94560	EMISSIONS

1987 Criteria Data

Facility ID:	273	**CERR Code:**	
Facility SIC Code:	2641	**TOGT:**	236.5
CO:	1	**ROGT:**	228.04512
Air Basin:	SF	**COT:**	.1
District:	BA	**NOXT:**	1.2
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1987 Toxic Data

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	2641	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1990 Criteria Data

Facility ID:	273	**CERR Code:**	
Facility SIC Code:	2671	**TOGT:**	25.6
CO:	1	**ROGT:**	23.68057
Air Basin:	SF	**COT:**	.6
District:	BA	**NOXT:**	2.7
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1990 Toxic Data

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	2671	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2641	***TOGT:***	27
CO:	1	***ROGT:***	22.52862
Air Basin:	SF	***COT:***	.1
District:	BA	***NOXT:***	.9
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1993 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2641	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2671	***TOGT:***	61.2
CO:	1	***ROGT:***	59.80982
Air Basin:	SF	***COT:***	.3
District:	BA	***NOXT:***	1.3
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1995 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2671	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	273	***CERR Code:***	
Facility SIC Code:	2641	***TOGT:***	61.2
CO:	1	***ROGT:***	59.80982
Air Basin:	SF	***COT:***	.3
District:	BA	***NOXT:***	1.3
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

1996 Toxic Data

Facility ID:	273	***COID:***	ALA
Facility SIC Code:	2641	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1997 Criteria Data

Facility ID:	273	**CERR Code:**	
Facility SIC Code:	2671	**TOGT:**	53.2
CO:	1	**ROGT:**	51.59884
Air Basin:	SF	**COT:**	.3
District:	BA	**NOXT:**	1.7
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1997 Toxic Data

Facility ID:	273	**COID:**	ALA
Facility SIC Code:	2671	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

17	10 of15	NE	0.05 / 272.32	20.59 / 1	**Mission Linen & Uniform Service** **6590 CENTRAL AVE** **NEWARK CA 94560**	CERS HAZ

Site ID: 417608
Latitude: 37.527016
Longitude: -122.025673

Regulated Programs

EI ID:	10712560	**EI Description:**	Hazardous Waste Generator
EI ID:	10712560	**EI Description:**	Chemical Storage Facilities

Violations

Violation Date:	08/06/2018	**Violation Source:**	CERS
Violation Program:	HMRRP	**Violation Division:**	Alameda County Environmental Health

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/13/2018.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date:	07/15/2021	**Violation Source:**	CERS
Violation Program:	HW	**Violation Division:**	Alameda County Environmental Health

Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Notes:

Returned to compliance on 08/17/2021. Manifests for used oil and used oil filters not observed at the time of the inspection. Provide documentation of manifest for the used oil and used oil filters from the last 3 years.

Violation Description:

Failure of a generator of hazardous waste that meets the conditions to be transported on a consolidated manifest to comply with one or more of the required consolidated manifesting procedures and retain copies of receipts for three years.

Enforcements

Enf Action Date: 08/06/2018
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 07/15/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ACDEH inspectors arrived on site at Mission Linen & Uniform Service, 6590 Central Ave Newark, to complete an inspection of the Hazardous Materials Business Plan and Hazardous Waste Generator program. Facility representative Don Bock assisted with the inspection. Mission Linen & Uniform Service is a large-scale industrial uniform retail service and commercial laundry cleaning company. Uniform cleaning services apply to a broad spectrum of commercial businesses including restaurant and hospitality as well as medical PPE. All hazardous materials used in the cleaning process are self-contained in a closed loop system and collected through water treatment. The facility process operates under a single large industrial warehouse room, while most hazardous material cleaning liquids are consolidated into three main rooms: Boiler Room: This room is where water from the city is treated with Decon to soften water and boil steam prior to wa... [TRUNCATED: Refer to full Inspection Report]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

GENERATE NOV LTR/ADDING VIOLATION IN EC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/15/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

The facility's main waste stream is concentrated in the water treatment room, in which filters capture most hazardous chemicals before water is dumped in the sanitary sewer. The filter cakes have a history of hazardous waste disposal for the last 3 years. Testing results from 3/3/2020 indicated hazardous waste determination was made. Facility also services a fleet of around 70 vehicles. The fleet maintenance room stores 2x55 gallon drums of used oil and a 55 gallon drum for used oil filters.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Legal Owner
Entity Name: Mission Linen Supply, a California Corporation
Entity Title:
Address: PO Box 1299
City: Santa Barbara,
State: CA
Country: United States
Zip Code: 93101
Phone: (805) 963-1841

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Parent Corporation
Entity Name: Mission Linen Supply
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: Mission Linen Supply, A California Corporation.
Entity Title:
Address: PO Box 1299
City: Santa Barbara
State: CA
Country: United States
Zip Code: 93101
Phone: (805) 963-1841

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6590 Central Ave
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Donald Bock
Entity Title:
Address: 4431 Foxenwood Ln.
City: Santa Maria
State: CA
Country:
Zip Code: 93455
Phone:

Affil Type Desc: Document Preparer
Entity Name: Don Bock
Entity Title:
Address:
City:
State:
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: Matthew Augelli
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (805) 963-1841

Affil Type Desc: Identification Signer
Entity Name: Don Bock
Entity Title: Principal Seabright Safety Solutions
Address:
City:
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HMBP
Program ID: 10712560
Latitude: 37.527020
Longitude: -122.025670
Coord Name:
Ref Point Type Desc: Center of a facility or station.

17	11 of15	NE	0.05 / 272.32	20.59 / 1	GUARDIAN PACKAGING CORP 6590 CENTRAL AVE NEWARK CA	HIST TANK

Owner Name: GUARDIAN PACKAGING CORP.
Owner Street: 6590 CENTRAL AVE
Owner City: NEWARK
Owner State: CA
Owner Zip: 94560
No of Containers: 1
County: ALAMEDA
Facility State: CA
Facility Zip: 94560

17	12 of15	NE	0.05 / 272.32	20.59 / 1	MISSION LINEN SUPPLY 6590 CENTRAL AVE NEWARK CA	DRYCLEANERS

EPA ID: CAL000433219
Create Date: 1/19/2018
Facility Act Ind: Yes
Inact Date:
Reason: SIC/NAICS
Region Code: 2
DD Latitude: 0
DD Longitude: 0
Facility County Code: (01) ALAMEDA
Mail Name:
Owner Name: MISSION LINEN SUPPLY
Owner Street 1: PO BOX 1299
Owner Street 2:
Owner City: SANTA BARBARA
Owner State: CA
Owner Zip: 931030000
Owner Phone: 8059631841
Owner Fax: 8055603587
Contact Name: MARK SAPOSNIK
Contact Street 1: PO BOX 1299
Contact Street 2:
Contact City: SANTA BARBARA
Contact State: CA
Contact Zip: 93103
Contact Phone: 5303424110
Contact Fax: 5303427499

NAICS Details

NAICS Code: 812331
NAICS Description: Linen Supply
SIC Code: 7219
SIC Description: Linen Supply

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
17	13 of15	NE	0.05 / 272.32	20.59 / 1	MISSION LINEN SUPPLY 6590 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000433219
Gen Status Universe: No Report
Contact Name: AARON MILROY
Contact Address: 6590 CENTRAL AVE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-996-3416
Contact Email: AMILROY@MISSIONLINEN.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20180119
Location Latitude: 37.5277
Location Longitude: -122.026572

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180119
Handler Name: MISSION LINEN SUPPLY
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: AARON MILROY
Date Became Current:
Date Ended Current:
Phone: 510-996-3416
Source Type: Implementer
Street No:
Street 1: 6590 CENTRAL AVE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Owner/Operator Ind: Current Owner
Type: Other
Name: MISSION LINEN SUPPLY
Street No:
Street 1: PO BOX 1299
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current:
Date Ended Current:
Phone: 805-963-1841
Source Type: Implementer
City: SANTA BARBARA
State: CA
Country:
Zip Code: 93102

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17 | **14 of15** | **NE** | **0.05 / 272.32** | **20.59 / 1** | **ALCAN PLASTIC PACKAGING PLANT**
6590 CENTRAL AVENUE
NEWARK CA 94560
CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600139630
Fac ID:
Desc:

Inv Party:
Inv P Type:

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17 | **15 of15** | **NE** | **0.05 / 272.32** | **20.59 / 1** | **AMERICAN NATIONAL CAN**
6590 CENTRAL AVENUE
NEWARK CA 94560
CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600193943
Fac ID:
Desc:

Inv Party:
Inv P Type:

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18 | **1 of13** | **NNW** | **0.06 / 301.48** | **20.21 / 1** | **MATHESON - NEWARK, CA**
6775 CENTRAL AVENUE
NEWARK CA 94560
RCRA TSD

EPA Handler ID: CAD053046959
Gen Status Universe: Large Quantity Generator
Contact Name: JAMES MURPHREE
Contact Address: 1700 , SCEPTER ROAD , , WAVERLY , TN, 37185 , US
Contact Phone No and Ext: 931-296-8151
Contact Email: JMURPHREE@MATHESONGAS.COM
Contact Country: US
Land Type: Private
County Name: ALAMEDA
EPA Region: 09
Receive Date: 20220228
Location Latitude: 37.514838

Location Longitude: -122.048223

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20220621
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20230929
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20230424
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20220621
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20220726
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20170922
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20171115
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20170922

Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20171115
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20130919
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20131022
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20130919
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20131022
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20061211
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20061211
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20061211
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20040323
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20040520

Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040520
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20220621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20230929
Evaluation Agency: State

Evaluation Start Date: 20220621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20220726
Evaluation Agency: State

Evaluation Start Date: 20170922
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20171115
Evaluation Agency: State

Evaluation Start Date: 20170922
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20171115
Evaluation Agency: State

Evaluation Start Date: 20130919
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20130919
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20131022
Evaluation Agency: State

Evaluation Start Date: 20130919
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20131022
Evaluation Agency: State

Evaluation Start Date: 20061211
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20061211
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General

Return to Compliance Date: 20061211
Evaluation Agency: State

Evaluation Start Date: 20060731
Evaluation Type Description: FOLLOW-UP INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20060621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20041122
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20040323
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20040520
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19910328
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800811
Handler Name: MATHESON DIV SEARLE MED PROD USA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900406

Handler Name: MATHESON GAS PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920225
Handler Name: MATHESON GAS PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20020304
Handler Name: MATHESON TRI-GAS INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 271
Waste Code Description: Organic monomer waste (includes unreacted resins)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001

Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20040227
Handler Name: MATHESON TRI-GAS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20060622
Handler Name: MATHESON TRI-GAS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20080330
Handler Name: MATHESON TRI-GAS, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: P056
Waste Code Description: FLUORINE

Hazardous Waste Code: P078
Waste Code Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Hazardous Waste Code: P095
Waste Code Description: CARBONIC DICHLORIDE (OR) PHOSGENE

Hazardous Waste Code: P096
Waste Code Description: HYDROGEN PHOSPHIDE (OR) PHOSPHINE

Hazardous Waste Code: U029
Waste Code Description: METHANE, BROMO- (OR) METHYL BROMIDE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100812
Handler Name: MATHESON TRI-GAS, INC
Federal Waste Generator Code: 1

Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P031
Waste Code Description: CYANOGEN (OR) ETHANEDINITRILE

Hazardous Waste Code: P056
Waste Code Description: FLUORINE

Hazardous Waste Code: P076
Waste Code Description: NITRIC OXIDE (OR) NITROGEN OXIDE NO

Hazardous Waste Code: P078
Waste Code Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Hazardous Waste Code: P096
Waste Code Description: HYDROGEN PHOSPHIDE (OR) PHOSPHINE

Hazardous Waste Code: U033
Waste Code Description: CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE

Hazardous Waste Code: U045
Waste Code Description: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)

Hazardous Waste Code: U135
Waste Code Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20120302

Handler Name: MATHESON
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20140301
Handler Name: MATHESON - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20200227
Handler Name: MATHESON - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20220228
Handler Name: MATHESON - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: N

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Date Became Current:	19560101	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	1700
Type:	Private	***Street 1:***	SCEPTER ROAD
Name:	MATHESON	***Street 2:***	
Date Became Current:	19560101	***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94560

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MATHESON TRI-GAS	***Street 2:***	

Date Became Current:	19840520	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	1700
Type:	Private	**Street 1:**	SCEPTER ROAD
Name:	MATHESON	**Street 2:**	
Date Became Current:	19560101	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	1275 VALLEY BROOK AVE
Name:	MATHESON DIV SEARLE MED PROD USA INC	**Street 2:**	
Date Became Current:		**City:**	LYNDHURST
Date Ended Current:		**State:**	NJ
Phone:	201-935-6660	**Country:**	
Source Type:	Notification	**Zip Code:**	07073

Owner/Operator Ind:	Current Owner	**Street No:**	1700
Type:	Private	**Street 1:**	SCEPTER ROAD
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Date Became Current:	19560101	**City:**	WAVERLY
Date Ended Current:		**State:**	TN
Phone:	931-296-8151	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	37185

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	959 ROUTE 46 EAST
Name:	MATHESON TRI-GAS, INC.	**Street 2:**	
Date Became Current:	19560714	**City:**	PARSIPPANY
Date Ended Current:		**State:**	NJ
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	07054

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Date Became Current:	19560101	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	MATHESON TRI-GAS, INC.	**Street 2:**	
Date Became Current:	19560714	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	150 ALLEN ROAD
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Date Became Current:	19560101	**City:**	BASKING RIDGE
Date Ended Current:		**State:**	NJ
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	07920

Owner/Operator Ind:	Current Operator	**Street No:**	1700
Type:	Private	**Street 1:**	SCEPTER ROAD
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Date Became Current:	19560101	**City:**	WAVERLY
Date Ended Current:		**State:**	TN
Phone:	931-296-8151	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	37185

Owner/Operator Ind:	Current Owner	***Street No:***	1700
Type:	Private	***Street 1:***	SCEPTER ROAD
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Date Became Current:	19560101	***City:***	WAVERLY
Date Ended Current:		***State:***	TN
Phone:	931-296-8151	***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	37185

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	NIPPON SANSO CORP
Name:	NIPPPON SANSO CORPORATION	***Street 2:***	
Date Became Current:	19840520	***City:***	P.O. BOX 624 PARSIPPANY
Date Ended Current:		***State:***	NJ
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	07054-0624

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	150 ALLEN ROAD
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Date Became Current:	19560101	***City:***	BASKING RIDGE
Date Ended Current:		***State:***	NJ
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	07920

Historical Handler Details

Receive Dt:	20200227
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON - NEWARK, CA

Receive Dt:	20140301
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON - NEWARK, CA

Receive Dt:	20120302
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON

Receive Dt:	20100812
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON TRI-GAS, INC

Receive Dt:	20080330
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON TRI-GAS, INC

Receive Dt:	20060622
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON TRI-GAS

Receive Dt:	20040227
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON TRI-GAS

Receive Dt:	20020304
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON TRI-GAS INC.

Receive Dt:	19920225
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON GAS PRODUCTS

Receive Dt:	19900406
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON GAS PRODUCTS

Receive Dt: 19800811

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator Code Description: Large Quantity Generator
Handler Name: MATHESON DIV SEARLE MED PROD USA INC

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18 | **2 of13** | **NNW** | **0.06 / 301.48** | **20.21 / 1** | **MATHESON TRI-GAS, INC. 6775 CENTRAL AVENUE NEWARK CA 94560** | **CLEANUP SITES**

Global ID: SL0600104387
Site Facility Type:
Cleanup Status:
Status (SRCH): OPEN - VERIFICATION MONITORING
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444500
RWQCB Region (DL):
Longitude:
Latitude:
Address: 6775 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0654
Local Case No: 0717
Begin Date: 8/16/2006
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Dichloroethane (DCA), Dichloroethene (DCE), Freon
How Discovered: Groundwater Monitoring, Site Assessment/Site Investigation, Subsurface Monitoring
Stop Method: Repair Product Piping
Stop Description:
Case Worker: UUU
Military DoD Site: No
Leak Reported Dt: 2006-03-02 00:00:00
No Further Action Dt:
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause: Unknown
Discharge Source: Piping
Facility Project Sub Type:
Calenviroscreen 3 Score: 66-70%
Calenviroscreen 4 Score: 60-65%
File Location: All Files are on GeoTracker or in the Local Agency Database
Site History:

The property is approximately 5 acres and currently developed with a gas cylinder processing facility. The facility consists of a number of buildings and canopied areas that house the cylinder cleaning and processing operations, storage, and offices.

GeoTracker Sites Data Download - Regulatory Activity

Date: 2023-11-06 00:00:00
Action: Email Correspondence
Action Type: ENFORCEMENT

GeoTracker Sites Data Download - Status History

Status: Open - Verification Monitoring
Status Date: 2023-09-05 00:00:00

Status: Open - Remediation
Status Date: 2021-10-12 00:00:00

Status: Open - Verification Monitoring
Status Date: 2021-08-23 00:00:00

Status: Open - Verification Monitoring
Status Date: 2009-06-23 00:00:00

Status: Open - Site Assessment
Status Date: 2006-08-17 00:00:00

Status: Open - Site Assessment
Status Date: 2006-08-16 00:00:00

Status: Open - Case Begin Date
Status Date: 2006-08-16 00:00:00

Status: Open
Status Date: 2006-08-16 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: SELIM ZEYREK
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: selim.zeyrek@acwd.com
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600104387
Cleanup Status Detail: OPEN - VERIFICATION MONITORING AS OF 9/5/2023
Potential COC: DICHLOROETHANE (DCA), DICHLOROETHENE (DCE), FREON
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:

Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0717
CASE MANAGER: SELIM ZEYREK
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0654
CASE MANAGER: Regional Water Board
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.

Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600104387&tabname=regulatoryhistory

Site History:

The property is approximately 5 acres and currently developed with a gas cylinder processing facility. The facility consists of a number of buildings and canopied areas that house the cylinder cleaning and processing operations, storage, and offices.

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure Denial Letter
Action Date: 1/31/2023
Received Issue Date: 1/31/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6526022&temptable=ENFORCEMENT
Title Description Comments:

Response to Request for Case Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 10/12/2021
Received Issue Date: 10/12/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6478060&temptable=ENFORCEMENT
Title Description Comments:

CAP Approval

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/29/2014
Received Issue Date: 5/29/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6205634&temptable=ENFORCEMENT
Title Description Comments:

Request for Additional Investigation, Continuation of Groundwater Monitoring, and Corrective Action Plan

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/11/2011
Received Issue Date: 5/11/2011
Doc Link:
Title Description Comments:

Work Plan Approval

Action Type: Notices
Action: Letter - Notice
Action Date: 9/22/2010
Received Issue Date: 9/22/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6065623&temptable=ENFORCEMENT
Title Description Comments:

Request for Additional Investigation, Continuation of Groundwater Monitoring, and Corrective Action Plan

Action Type: Notices
Action: Letter - Notice
Action Date: 8/17/2006
Received Issue Date: 8/17/2006
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6010340&temptable=ENFORCEMENT
Title Description Comments:

ACWD 5-Point Kickoff Letter

Action Type: Leak Action
Action: Leak Reported
Action Date: 3/2/2006
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 1/22/2002
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 8/14/2023
Type: SITE INVESTIGATION ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: ADDITIONAL INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9945860683/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 5/24/2023
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SITE INVESTIGATION WORK PLAN REV. 2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9999541878/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 3/28/2023*
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SITE INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2318316459/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 1/31/2023
Type: CLOSURE DENIAL LETTER ***Submitted:***
Submitted By: M. SELIM ZEYREK (REGULATOR)
Title: RESPONSE TO REQUEST FOR CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6526022

Document Type: Site Documents ***Document Date:*** 8/12/2022
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: REQUEST FOR CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7524254560/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 3/30/2022
Type: REMEDIAL INVESTIGATION REPORT ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: CAP IMPLEMENTATION REPORT AND POST INJECTION GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9732486128/SL0600104387.PDF

Document Type: Monitoring Reports ***Document Date:*** 11/29/2021
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***

Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - SECOND SEMESTER 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2934650003/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 10/12/2021
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: M. SELIM ZEYREK (REGULATOR)
Title: CAP APPROVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6478060

Document Type: Site Documents **Document Date:** 9/10/2021
Type: PUBLIC COMMENT **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: NOTICE OF CORRECTIVE ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4821026146/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 9/2/2021
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: CORRECTIVE ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1516116559/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 6/7/2021
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - FIRST SEMESTER 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2300530195/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 9/28/2020
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - SECOND SEMESTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9775353193/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 3/31/2020
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - FIRST HALF 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8083696842/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 9/25/2019
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - 2ND SEMESTER 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3609926700/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 4/19/2019
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - FIRST HALF 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4011391699/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 10/17/2018*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - SECOND HALF 2018
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4554776132/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 5/7/2018*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - FIRST HALF 2018
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7003875970/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 12/18/2017*
Type: SITE INVESTIGATION **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: ADDITIONAL SOIL VAPOR INVESTIGATION REPORT

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6122644245/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 10/26/2017*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT FIRST AND SECOND SEMESTER 2017
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1566064655/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 2/6/2017*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - 2ND SEMESTER 2016
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4193396210/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 9/19/2016
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - 1ST SEMESTER 2016
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3771659612/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 10/21/2015
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - SECOND SEMESTER 2015
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5232065558/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 6/18/2015*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - FIRST SEMESTER 2015
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4064627110/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 6/5/2015*
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: ADDITIONAL SOIL, GROUNDWATER, AND SOIL VAPOR INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6317801773/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 10/28/2014
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT- SECOND SEMESTER 2014
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4174643814/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 10/7/2014
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: WORK PLAN, ADDITIONAL INVESTIGATION, REV. 1
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3690514743/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 8/13/2014*
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: WORK PLAN, ADDITIONAL INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6725350558/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 5/29/2014
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: ANGUS CHAN (REGULATOR)
Title: REQUEST FOR ADDITIONAL INVESTIGATION, CONTINUATION OF GROUNDWATER MONITORING, AND CORRECTIVE ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6205634

Document Type: Monitoring Reports **Document Date:** 3/17/2014
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)

Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT- FIRST SEMESTER 2014
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6317873120/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 9/30/2013
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: 2ND SEMESTER 2013 GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6956590771/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 3/13/2013
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - 1ST SEMESTER 2013
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3072206020/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 10/31/2012
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: 2ND SEMESTER 2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1031919360/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 5/2/2012
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SITE CONCEPTUAL MODEL AND GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7187057435/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 9/30/2011
Type: SITE INVESTIGATION **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: ADDITIONAL SOIL AND GROUNDWATER INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6204818010/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 3/14/2011
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: WORK PLAN FOR ADDITIONAL SOIL AND GROUNDWATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1112961769/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 12/3/2010
Type: CORRESPONDENCE **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: REQUEST FOR TIME EXTENSION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5857202112/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 11/22/2010
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: 2ND SEMESTER 2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1898141443/SL0600104387.PDF

Document Type: Site Documents **Document Date:** 9/22/2010
Type: LETTER - NOTICE **Submitted:**
Submitted By: (REGULATOR)
Title: REQUEST FOR ADDITIONAL INVESTIGATION, CONTINUATION OF GROUNDWATER MONITORING, AND CORRECTIVE ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6065623

Document Type: Monitoring Reports **Document Date:** 6/15/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - 1ST QUARTER 2010
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8185959815/SL0600104387.PDF

Document Type: Monitoring Reports **Document Date:** 1/29/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: 4TH Q 2009 GROUNDWATER MONITORING REPORT

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5191918790/SL0600104387.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/20/2009
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: 3RD QUARTER 2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6598639249/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 8/14/2009
Type: WELL INSTALLATION REPORT ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: WELL INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5841131925/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 5/29/2009
Type: CORRESPONDENCE ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: PERMIT TRANSMITTAL AND WORKPLAN ACKNOWLEDGEMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4385644078/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 4/17/2009
Type: SOIL AND WATER INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8752434849/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 9/22/2008
Type: SITE INVESTIGATION ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SITE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5971363902/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 2/18/2008
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4772188484/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 1/18/2008
Type: CORRESPONDENCE ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: STATUS UPDATE LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3256212532/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 10/30/2006
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GROUNDWATER INVESTIGATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5257721424/SL0600104387.PDF

Document Type: Site Documents ***Document Date:*** 8/17/2006
Type: LETTER - NOTICE ***Submitted:***
Submitted By: (REGULATOR)
Title: ACWD 5-POINT KICKOFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600104387&enforcement_id=6010340

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 12/18/2017*
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6706656098/SL0600104387.PDF

Submitted: 12/18/2017*
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SV-12 GEO_BORE (SV-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9527710199/SL0600104387.PDF

Submitted: 12/18/2017*
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SV-11 GEO_BORE (SV-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4424981892/SL0600104387.PDF

Submitted: 12/18/2017*
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SV-10 GEO_BORE (SV-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1382181525/SL0600104387.PDF

Submitted: 12/18/2017*
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: SV-13 GEO_BORE (SV-13)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7789329230/SL0600104387.PDF

Submitted: 8/19/2009
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: MW-2 WELL LOG (MW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5206063687/SL0600104387.PDF

Submitted: 8/19/2009
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: MW-1 LOG (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9105993986/SL0600104387.PDF

Submitted: 8/19/2009
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6127376735/SL0600104387.PDF

Submitted: 8/19/2009
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: MW-3 LOG (MW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9412649869/SL0600104387.PDF

Submitted: 8/19/2009
Submitted By: PETER MCINTYRE (AUTH_RP)
Title: MW-4 LOG (MW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3200509488/SL0600104387.PDF

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Verification Monitoring
Date: 9/5/2023

Status: Open - Remediation
Date: 10/12/2021

Status: Open - Verification Monitoring
Date: 8/23/2021

Status: Open - Verification Monitoring
Date: 6/23/2009

Status: Open - Site Assessment
Date: 8/17/2006

Status: Open - Site Assessment
Date: 8/16/2006

Status: Open - Case Begin Date
Date: 8/16/2006

Status: Open
Date: 8/16/2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	3 of13	NNW	0.06 / 301.48	20.21 / 1	MATHESON TRI-GAS, INC. 6775 CENTRAL AVE NEWARK CA 945600000	ENVIROSTOR

Estor/EPA ID: CAD053046959
Site Code:
Nat Priority List:
APN:
Census Tract: 6001444500
Site Type: PROTECTIVE FILER
Address Description: 6775 CENTRAL AVE
Office:
Special Program:
Funding:
Cleanup Status:
Cleanup Oversight Agencies:
School District:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.526638
Longitude: -122.028544
Acres:
Supervisor:

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: PROTECTIVE FILER
Program Type: HAZ WASTE
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD053046959

Units Undergoing Closure

Date:
Event Description:
Unit: NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	4 of13	NNW	0.06 / 301.48	20.21 / 1	MATHESON TRI-GAS, INC. 6775 CENTRAL AVE NEWARK CA 945600000	HWP

Estor/EPA ID: CAD053046959
Nat Priority List:
Census Tract: 6001444500
Permit Renewl Lead:
Project Manager:
Site Code:
Cleanup Status:
Cleanup Oversight Agencies:
Assembly District: 24
Senate District: 10
School District:
Office:
Public Participatn Spclst:
Special Program:
Funding:
Site Type: PROTECTIVE FILER
APN:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contaminants of Concern:

Acres:
Supervisor:
County: ALAMEDA
Latitude: 37.526638
Longitude: -122.028544

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: PROTECTIVE FILER
Program Type: HAZ WASTE
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD053046959

Units Undergoing Closure

Event Description:
Date:
Unit: NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	5 of13	NNW	0.06 / 301.48	20.21 / 1	MATHESON GAS PRODUCTS INC 6775 CENTRAL AVENUE NEWARK CA 94560	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0003611d.pdf

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	6 of13	NNW	0.06 / 301.48	20.21 / 1	Matheson Tri-Gas 6775 CENTRAL AVE. NEWARK CA 94560	CERS HAZ

Site ID: 397206
Latitude: 37.526920
Longitude: -122.028740

Regulated Programs

EI ID: 10002979 **EI Description:** Hazardous Waste Onsite Treatment

EI ID: 10002979 **EI Description:** Chemical Storage Facilities

EI ID: 10002979 **EI Description:** Hazardous Chemical Management

EI ID: 10002979 **EI Description:** Hazardous Waste Generator

Violations

Violation Date: 12/11/2006 **Violation Source:** CERS
Violation Program: HWLQG **Violation Division:** Alameda County Environmental Health
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Notes:

Returned to compliance on 12/11/2006.

Violation Description:

RCRA Large Quantity Generator Program - Administration/Documentation - General

Violations

Violation Date: 06/21/2022 **Violation Source:** CERS
Violation Program: CA **Violation Division:** Alameda County Environmental Health
Citation: 22 CCR 45 67450.3(c)(9)(F) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(9)(F)
Violation Notes:

Owner/Operator failed to obtain assessment or reassessment every five (5) years or the remaining service life of the hazardous waste treatment tank system, as stated in the engineer's assessment, whichever is less. A hazardous waste tank reassessment has not been conducted for the wastewater pretreatment [Tanks T-504 and 505]: The October 29, 2009 engineers report calls for a tank re-inspection in June 2011. Miller Engineering completed a tank assessment report for Tank T-504 and 505, dated October 9, 2013. This 2013 report called for re-inspection and certification by October 2018.

Obtain assessment or reassessment of the hazardous waste treatment tank system pursuant to 22 CCR 66265.192, completed by a professional engineer. Obtain a written hazardous waste tank system reassessment for the [Tanks T-504 and 505] tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA. The re-certification was due by October 2018.

Violation Description:

Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, and tank systems authorized under Permit-by-Rule, Conditional Authorization, and Conditional Exemption or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 11/15/2017. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for 6,750lbs of Sulfur Dioxide, 880 lbs of Methyl Fluoride, and 2000 gallons of 30% Hydrochloric Acid to the CUPA. Tank 506 3% Hypochlorate (Bleach) needs to be labeled empty to remain out of the Hazardous Materials Inventory. HMBP shall be updated within 30 days of change in chemical inventory, change of address, ownership, or business name. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS). Also label Tank 506 as empty if it no longer contains 3% Hypochlorate, otherwise, it will need to be submitted in the Hazardous Materials Inventory Chemical Description page. Provide photo documentation of labeling.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 10/22/2013.

Violation Description:

Failure to maintain uniform hazardous waste manifest, consolidated manifest, or bills of lading copies for three years.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 11/15/2017. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for 6,750lbs of Sulfur Dioxide, 880 lbs of Methyl Fluoride, and 2000 gallons of 30% Hydrochloric Acid to the CUPA. Tank 506 3% Hypochlorate (Bleach) needs to be labeled empty to remain out of the Hazardous Materials Inventory. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS). Also label Tank 506 as empty if it no longer contains 3% Hypochlorate, otherwise, it will need to be submitted in the Hazardous Materials Inventory Chemical Description page. Provide photo documentation of labeling.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 10/22/2013.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/21/2022 ***Violation Source:*** CERS
Violation Program: CA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25200.3(g) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.3(g)
Violation Notes:

Returned to compliance on 09/29/2023. The hazardous waste treatment unit was not closed properly. ACDEH CUPA was notified of the tiered permit intent to close in November 2021. There has been no further communication or work plan transmitted to ACDEH CUPA regarding the closure activities, closure date, decontamination, proper disposition of the treatment system, and other pertinent information as required by Conditional Authorization and hazardous waste tank closures. Based on the September 2017 CUPA inspection, the inspector noted the facility no longer treats hazardous waste onsite. CERS was updated 11/15/2017 to reflect "NO" for Does your facility treat hazardous waste on-site? Ensure that compliance with the requirements have been met to properly close the HW treatment unit and/or notify the CUPA that the HW treatment unit has been properly closed and/or decontaminated.

Violation Description:

Failure of the generator to remove or decontaminate all containment system components and structures or equipment contaminated with hazardous waste and soils and provide written notification of all closure activities at the closure of the treatment unit.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 11/15/2017. OBSERVATION: The business plan has not been adequately completed as demonstrated by the missing or inadequately reported chemicals from the hazardous materials inventory: 6,750lbs of Sulfur Dioxide, 880 lbs of Methyl Fluoride, and 2000 gallons of 30% Hydrochloric Acid CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) and implement immediately.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/21/2022 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66262.41 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66262.41
Violation Notes:

Returned to compliance on 07/26/2022. Cycle 2001, 03, 05, 07, 09, 11, 13, 19 observed in RCRAINFO. It appears that MTG generated 9.77 tons in 2021 and is subject to biennial reporting due by March 1, 2022. Immediately locate a copy of the 2021 Biennial report, or create the 2021 biennial report, and maintain it for three years.

Violation Description:

Failure of a large quantity RCRA generator to prepare the Biennial report (Form 8700), and submit to DTSC by March 1st on even numbered years ; and maintain it onsite for three years.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: CA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Notes:

Returned to compliance on 12/09/2013. MAINTAIN ON SITE RECORDS OF TANK SYSTEM INTEGRITY

Violation Description:

Tiered Permitting Program - Administration/Documentation - General

Violations

Violation Date: 06/21/2022 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.197 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.197
Violation Notes:

Returned to compliance on 09/29/2023. The waste water pretreatment tank system (consisting in part, tanks 504 and 505) has not been properly closed. Tanks 504 and 505 are part of the conditionally authorized tiered permit process used to treat spent caustic scrubber solution. MTG has notified ACDEH CUPA of the intent to close the tiered permit on Nov. 9, 2021. However, ACDEH CUPA's Feb 14, 2022 Email "Matheson Tri-Gas Tiered Permit Closure Letter - Deposit Account" has gone unanswered. MGT has been apprised that until the tiered permit is formally closed, it remains active. Submit photos/documentation and a work plan to the CUPA demonstrating the tank system for the tiered permit process used to treat spent caustic scrubber solution has been closed in accordance with the requirements of 22 CCR 15 66265.197.

Violation Description:

Failure of owner or operator to properly close a hazardous waste tank system ensuring the minimization of further maintenance and that the required requirements have been met.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25160(b)(1)(C) - California Health and Safety Code, Chapter 6.5, Section(s) 25160(b)(1)(C)
Violation Notes:

Returned to compliance on 11/15/2017. OBSERVATION: Manifest number(s) 001233754VES, 001233339VES, 005979544SKS, and 000160465 were found not submitted to DTSC within 30 days of shipment. Generator representatives were not able to provide their procedure or show proof how their hazardous waste manifests are sent to DTSC within 30 days of shipment. Above mentioned manifests are not observed in the Hazardous Waste Tracking System. A legible copy of each manifest used to dispose of hazardous waste shall be submitted to DTSC within 30 days. CORRECTIVE ACTION: Immediately submit a copy of manifest number(s) 001233754VES, 001233339VES, 005979544SKS, and 000160465 to DTSC Generator Manifests; P.O. Box 400; Sacramento, CA 95812-0400. Also provide ACDEH with witten procedure on how the generator will keep track of hazardous waste manifests being sent to DTSC.

Violation Description:

Failure to send a legible copy of each hazardous waste manifest to the Department within 30 days of each shipment of hazardous waste.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25201(a)
Violation Notes:

Returned to compliance on 11/15/2017. OBSERVATION: On 9/22/2017, observed the following waste container stored onsite longer than 90 days: - One 55 gallon drum of d-limonene waste that had a waste accumulation date of 6/19/2017 On 10/5/2017, observed the following waste container stored onsite longer than 90 days: - One 55 gallon drum of waste latex paint stored in a satellite accumulation area that has an accumulation start date of 1/28/2016. - One 30 gallon drum of flammable liquid waste with no hazardous waste label. Since it cannot be determined when this was was accumulated, a registered hauler shall be contacted to remove this hazardous waste properly. These wastes were stored onsite longer than 90 days. Hazardous waste stored in satellite accumulation storage areas must be moved to the main hazardous waste storage area within 1 year from the start of satellite accumulation. Facilities who generate more than 1000 kg of hazardous waste per month may store waste on site up to 90 days. It was [Truncated]

Violation Description:

Failure to obtain a permit or grant of interim status to accumulate hazardous waste longer than 90 days.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: CA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 Multiple Sections - California Health and Safety Code, Chapter 6.67, Section(s) Multiple Sections
Violation Notes:

Returned to compliance on 12/09/2013. SUBMIT ANNUAL WASTE REDUCTION CERTIFICATION

Violation Description:

Tiered Permitting Program - Administration/Documentation - General

Violations

Violation Date: 06/21/2022 ***Violation Source:*** CERS
Violation Program: CA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25200.14(b)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25200.14(b)(1)
Violation Notes:

Owner/Operator failed to complete and/or submit a Phase I Environmental Assessment Checklist to DTSC within one year of commencing operations, or after release of hazardous waste or constituents from any solid or hazardous waste management unit. Review of historical tiered permit records did not show a tiered permit Phase I report. Submit the required Phase I Environmental Assessment Checklist to DTSC and ACDEH CUPA.

Violation Description:

Failure to submit a Phase I Checklist to DTSC within one year of commencing operations.

Violations

Violation Date: 06/21/2022 ***Violation Source:*** CERS
Violation Program: CA ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 45 67450.13(a)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(2)
Violation Notes:

Owner/Operator did not adjust for inflation by March 1 of each year. The most recent closure cost estimate is dated Feb 6, 2017, transmitted to CERS. Until the tiered permit is formally closed, annual closure cost estimates are required. Ensure that the inflation adjustment to the closure cost estimate is completed by March 1 of each year. Submit copy of closure cost adjustment to CERS.

Violation Description:

Failure to adjust Closure Costs for inflation/deflation by March 1st.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2755.3(a)(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2755.3(a)(b)

Violation Notes:

Returned to compliance on 10/17/2013.

Violation Description:

Failure to prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process and address the following:
1. Initial startup;
2. Normal operations;
3. Temporary operations;
4. Emergency shutdown and operations;
5. Normal shutdown;
6. Startup following a normal or emergency shutdown or a major change that requires a hazard review;
7. Consequences of deviations and steps required to correct or avoid deviations;
8. Equipment inspections.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2750.1 - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2750.1
Violation Notes:

Returned to compliance on 10/17/2013.

Violation Description:

Failure to complete the five-year accident history as provided in Section 2750.9

Violations

Violation Date: 05/12/2017 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2760.3(a)(3) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.3(a)(3)
Violation Notes:

Returned to compliance on 06/12/2017. Corrected information in RMP submittal

Violation Description:

Failure to develop and implement written operating procedures that address at least the following safety and health considerations:
1. Properties of, and hazards presented by, the chemicals used in the process;
2. Precautions necessary to prevent exposure, including engineering controls, administrative controls, and personal protective equipment;
3. Control measures to be taken if physical contact or airborne exposure occurs;
4. Quality control for raw materials and control of hazardous chemical inventory levels;
5. Any special or unique hazards.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Notes:

Returned to compliance on 10/22/2013.

Violation Description:

Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.

Violations

Violation Date: 09/22/2017 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 11/15/2017. OBSERVATION: Observed one 30 gallon drum of waste flammable liquid from punctured aerosol cans that has no hazardous waste label. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/21/2022 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.192(h) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(h)
Violation Notes:

A hazardous waste tank reassessment has not been conducted for the [Tanks T-504 and 505] tank system within 5 years of the previous tank system assessment or within the remaining service life of the tank system as stated in the engineer's report, whichever is less. The October 29, 2009 engineers report calls for a tank re-inspection in June 2011. Miller Engineering completed a tank assessment report for Tank T-504 and 505, dated October 9, 2013. This 2013 report called for re-inspection and certification by October 2018. Obtain a written hazardous waste tank system reassessment for the [Tanks T-504 and 505] tank system in accordance with 22 CCR 15 66265.192 and submit a copy to the CUPA. The re-certification was due by October 2018.

Violation Description:

Failure of generator to obtain assessment or reassessment every five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. This assessment applies to onground or aboveground tank systems containing only non-RCRA hazardous wastes generated onsite, or for a small quantity generator onground or aboveground tank systems containing RCRA hazardous wastes generated onsite.

Violations

Violation Date: 05/12/2017 ***Violation Source:*** CERS
Violation Program: CalARP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 4.5 2760.8(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.8(a)
Violation Notes:

Returned to compliance on 06/12/2017. Clarified by the facility-actual date of audit was in 2012, but report prepared in 2013.

Violation Description:

Failure of the owner or operator to certify that they have evaluated compliance with the provisions of this article at least every three years to verify that the procedures and practices developed under the chapter are adequate and are being followed.

Violations

Violation Date: 09/19/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 10/22/2013. CONTAINERS ARE PROPERLY LABELED

Violation Description:

Business Plan Program - Administration/Documentation - General

Enforcements

Enf Action Date: 12/11/2006 ***Enf Action Program:*** HWLQG
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: California Environmental Protection Agency
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/24/2023 ***Enf Action Program:*** HWLQG
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/24/2023 ***Enf Action Program:*** CA
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 09/19/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

HW INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/19/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/19/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

Two of the covered processes, the chlorine and boron trichloride purification processes, ceased operation on January 31, 2013. The chlorine tanner cylinder is no longer on site resulting in reducing the area affected for worst case release scenario for toxic release. The RMP and Cal ARP are required to be updated within 6 months of any major changes that requires a revised PHA or a change that requires a revised offsite consequence analysis. Updated RMP has not been submitted within 6 months of the change (July 30, 2013) in the processes.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/22/2017
Violations Found: No
Eval General Type: Compliance Evaluation Inspection

Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CA
Eval Source: CERS
Eval Notes:

Onsite to conduct the Tiered Permitting Conditionally Authorized inspection at Matheson Tri-Gas - 6775 Central Ave., Newark, CA. Met with Hub Operations Manager, Geoffrey Downing and Production & Maintenance Manager, Juan Mora. The facility is authorized to treat 15,000 gallons of waste water per month from their operation. Based on the quantity, the facility is also a Large Quantity Generator (LQG). As a LQG, the facility is required to dispose of/treat their hazardous waste every 90 days, prepare and submit a biennial report and a source reduction report (SB14) due every 5 years. Alameda County Environmental Health (ACDEH) has an active permit for the treatment system. Mr. Juan Mora said that the facility has cut back production and changed their operations so that treatment of hazardous waste no longer occurs. The facility currently treats rainwater only from the chemical pad area to around pH 7. The past two years' treatment records verified pH range of waste [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/19/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Eval Date: 06/21/2022
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site at Matheson Tri-Gas located at 6775 Central Ave Newark for the hazardous materials business plan (HMBP) inspection. Tim Hildreth and Matt Soby from ACDEH were present during the inspection. Met with Adam Awkal (Plant Manager), and Lou Colatriano (Production Manager).; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/19/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CA
Eval Source: CERS
Eval Notes:

Eval Date: 12/11/2006
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Inspector Name: Holly Guier; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/07/2023
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

On site at Matheson Tri-Gas located at 6775 Central Ave. Newark for the CalARP inspection. Antoinette Stetzenmeyer, ACDEH, was also present during the inspection. Facility representatives included Adam Awkal, Plant Manager and Marjorie Johnson, PSM RMP Solutions. The 5-year review of the RMP is taking place in October 2023.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Routine triennial hazardous waste generator (HWG) inspection. Matheson Tri-Gas cleans, tests, fills, certifies, stores, and ships various gas cylinders and bottles at the plant. Signatures not collected due to COVID protocols. Matheson Tri-Gas is referred to as "MTG" in this report. Matheson is a RCRA and CA non-RCRA large quantity generator. During a look-back since the last HWG inspection in September 2017, the facility generated more than the LQG threshold of 1,000 kgs/month. RCRA: During Feb to May 2019 (10.8 tons, average of 3.6 tons/month). April 2021 disposed of 9.2 tons (average of 0.83 tons/month from May 2020 to April 2021. It is unclear the time period this waste was generated versus disposed (e.g. steady-state vs. episodic). CA non-RCRA: During Feb to May 2018 (12.2 tons, average of 3.4 tons/month). May 2019 disposed of 10.8 tons of waste code 122. Last disposal of waste code 122 was in 2003. It i... [TRUNCATED: Refer to full Inspection Report]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/22/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Onsite on 9/22/2017 to begin the Hazardous Materials Business Plan inspection at Matheson Tri-Gas - 6775 Central Ave., Newark, CA. Met with Hub Operations Manager, Geoffrey Downing and Production & Maintenance Manager, Juan Mora. In 2013, operations have scaled back and hazardous waste is generated at a smaller quantity according to Juan Mora. ACDEH returned on 10/5/2017 to complete the Hazardous Materials Business Plan inspection. Most recent full HMBP submittal was 3/1/2017.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/11/2006
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Inspector Name: Holly Guier; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/19/2013
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CA
Eval Source: CERS
Eval Notes:

TIERED PERMITTING INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 09/19/2013
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP

Eval Source: CERS
Eval Notes:

Eval Date: 09/22/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Onsite on 9/22/2017 to begin the RCRA Large Quantity Generator inspection at Matheson Tri-Gas - 6775 Central Ave., Newark, CA. Met with Hub Operations Manager, Geoffrey Downing and Production & Maintenance Manager, Juan Mora. Historically, the facility is a RCRA large quantity generator, but in 2013, operations have scaled back and hazardous waste is generated at a smaller quantity according to Juan Mora. ACDEH did not observe hazardous waste manifests every 90 days for 2015, therefore hazardous waste was not removed within the required 90 day time. During today's inspection on 9/22/17, observations of the operations and hazardous waste storage areas shows significant drop in hazardous waste generated. Less than 1000 kg of hazardous waste is generated per month. ACDEH returned on 10/5/2017 to complete the Hazardous Waste Generator inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/12/2017
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CalARP
Eval Source: CERS
Eval Notes:

This inspection report is based on a review of the facilities' Risk Management Program (RMP) dated February 9, 2017 and supporting documentation.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/21/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: CA
Eval Source: CERS
Eval Notes:

Routine tiered permit conditionally authorized (TP-CA) inspection. Matheson Tri-Gas is referred to as "MTG" in this report. ACDEH CUPA was notified of Matheson Tri-Gas intent to close the TP-CA on November 2021 from James Murphree; no further communication has been received by CUPA. ACDEH CUPA transmitted an Email dated Feb. 2022 requesting a deposit-refund for the review of a workplan to formally close the TP-CA; no response has been received. TP-CA is considered operational, subject to permitting requirements, and inspections, until the TP-CA is formally closed (documented clean/decontaminated, tanks properly closed/disposed of). Per a November 2017 Matheson communication and ACDEH CUPA 2017 inspection: The tank system used for scrubber acid-base neutralization, tanks T-504 and T-505, is being used to store rain water. Apparently no active hazardous waste treatment is on-going. Description of the hazardous waste treatme... [TRUNCATED: Refer to full Inspection Report]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6775 Central Ave.
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Document Preparer
Entity Name: PSM RMP Solutions
Entity Title:

Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Legal Owner
Entity Name:	Matheson Tri-Gas, Inc.
Entity Title:	
Address:	150 Allen Rd., Ste. 302
City:	Basking Ridge
State:	NJ
Country:	United States
Zip Code:	07920
Phone:	(800) 828-4313

Affil Type Desc:	Operator
Entity Name:	Matheson Tri-Gas, Inc.
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(510) 793-2559

Affil Type Desc:	Parent Corporation
Entity Name:	Matheson Tri-Gas, Inc.
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	Adam Awkal
Entity Title:	Hub Plant Manager / Site Manager
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	JAMES MURPHREE
Entity Title:	
Address:	1700 Scepter Rd.
City:	Waverly
State:	TN
Country:	
Zip Code:	37185
Phone:	

Affil Type Desc:	Onsite Treatment Unit Owner Operator
Entity Name:	Ernie James
Entity Title:	Site Manager
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Property Owner
Entity Name:	Matheson Tri-Gas, Inc.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 150 Allen Rd., Ste. 302
City: Basking Ridge
State: NJ
Country: United States
Zip Code: 07920
Phone: (800) 828-4313

Affil Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Robert Hamblen
Entity Title: Hub Plant / Site Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: David Lessard
Entity Title: Site Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

18	*7 of13*	*NNW*	*0.06 / 301.48*	*20.21 / 1*	***MATHESON GAS PRODUCTS, INC 6775 CENTRAL AVE NEWARK CA 94560***	***EMISSIONS***

1987 Criteria Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 4.2
ROGT: 3.7512
COT:
NOXT:
SOXT:
PMT:
PM10T:

1987 Toxic Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

1990 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	4.8
CO:	1	***ROGT:***	4.3016
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1990 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	.6
CO:	1	***ROGT:***	.5672
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1993 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

18	***8 of13***	***NNW***	***0.06 / 301.48***	***20.21 / 1***	***MATHESON TRI-GAS, INC 6775 CENTRAL AVE NEWARK CA 94560***	***EMISSIONS***

1998 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	1
CO:	1	***ROGT:***	.984
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1998 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	1.941
CO:	1	***ROGT:***	1.887688
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1999 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	1.941
CO:	1	***ROGT:***	1.89
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2000 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	1.51

CO:	1	**ROGT:**	1.4
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2001 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	1.845
CO:	1	**ROGT:**	1.7439612
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2002 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.771
CO:	1	**ROGT:**	.72
Air Basin:	SF	**COT:**	.255
District:	BA	**NOXT:**	1.173
COID:	ALA	**SOXT:**	.018
DISN:	BAY AREA AQMD	**PMT:**	.084
CHAPIS:		**PM10T:**	.08

2003 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2004 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	.678
CO:	1	***ROGT:***	.6454824
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.002
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2004 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	.678
CO:	1	***ROGT:***	.6454824
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.002
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2005 Toxic Data

Facility ID:	3047	***COID:***	ALA
Facility SIC Code:	2813	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	3047	***CERR Code:***	
Facility SIC Code:	2813	***TOGT:***	1.314
CO:	1	***ROGT:***	1.216356
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.002
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2006 Toxic Data

Facility ID:	3047	***COID:***	ALA

Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	1.31
CO:	1	**ROGT:**	1.212484
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.001
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	1.062
CO:	1	**ROGT:**	.9180492
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2008 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.725
CO:	1	**ROGT:**	.644491
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	ALA	**SOXT:**	0

DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2009 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	1.533
CO:	1	**ROGT:**	1.4551656
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2011 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.484
CO:	1	**ROGT:**	.4546844
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2012 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.484
CO:	1	**ROGT:**	.4546844
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	0
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2013 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.157741319
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	.000002833
District:	BA	**NOXT:**	.000011352
COID:	ALA	**SOXT:**	.000000046
DISN:	BAY AREA AQMD	**PMT:**	.000317924
CHAPIS:		**PM10T:**	.000286132

2014 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.157741314
CO:	1	**ROGT:**	.12314753
Air Basin:	SF	**COT:**	.000002833

District:	BA	**NOXT:**	.000011352
COID:	ALA	**SOXT:**	.000000046
DISN:	BAY AREA AQMD	**PMT:**	.000317924
CHAPIS:		**PM10T:**	.000286132

2015 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	3047	**CERR CODE:**	
Facility SIC Code:	2813	**TOGT:**	.157881881
CO:	1	**ROGT:**	.1513616131996
Air Basin:	SF	**COT:**	.000896424
District:	BA	**NOXT:**	.002218221
COID:	ALA	**SOXT:**	.000001677
DISN:	BAY AREA AQMD	**PMT:**	.000403176
CHAPIS:		**PM10T:**	.000367974

2016 Toxic Data

Facility ID:	3047	**TS:**	
Facility SIC Code:	2813	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	ALA	**AH Index:**	
CO:	1	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	3047	**CERR Code:**	
Facility SIC Code:	2813	**TOGT:**	.213465346
CO:	1	**ROGT:**	.2050620701601
Air Basin:	SF	**COT:**	.008340185
District:	BA	**NOXT:**	.020597443
COID:	ALA	**SOXT:**	.000015225
DISN:	BAY AREA AQMD	**PMT:**	.001146761
CHAPIS:		**PM10T:**	.001081815

2017 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .212294212
ROGT: .204044863022
COT:
NOXT:
SOXT:
PMT:
PM10T:

2018 Toxic Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2019 Criteria Data

CO: 1
Air Basin: SF
Facility ID: 3047
District: BA
Facility SIC Code: 2813
CO ID: ALA
DISN: BAY AREA AQMD
PM10T:
TOGT: .219044695
PMT:
CHAPIS:
CERR Code:
ROGT: .2101344919562
COT:
NOXT:
SOXT:

2019 Toxic Data

CO: 1
Air Basin: SF
Faccility ID: 3047
District: BA
Facility SIC Code: 2813
COID: ALA
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TS:
Health Risk Asmt:

2020 Criteria Data

CO: 1
Air Basin: SF
Facility ID: 3047
District: BA
Facility SIC Code: 2813
CO ID: ALA
DISN: BAY AREA AQMD
TOGT: .219044695
PMT:
PM10T:
CHAPIS:
CERR Code:
ROGT: .2101344919562
COT:
NOXT:
SOXT:

2020 Toxic Data

CO: 1
Air Basin: SF
DISN: BAY AREA AQMD
CHAPIS:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 3047
District: BA
Facility SIC Code: 2813
COID: ALA
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHERR Code:
TS:
Health Risk Asmt:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
18	9 of13	NNW	0.06 / 301.48	20.21 / 1	MATHESON GAS PRODUCTS 6775 CENTRAL AVE NEWARK CA 94560	EMISSIONS

1995 Criteria Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .9
ROGT: .884
COT:
NOXT:
SOXT:
PMT:
PM10T:

1995 Toxic Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1996 Criteria Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.2
ROGT: 1.1712
COT:
NOXT:
SOXT:
PMT:
PM10T:

1996 Toxic Data

Facility ID: 3047
Facility SIC Code: 2813
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1997 Criteria Data

Facility ID: 3047
Facility SIC Code: 2813
CERR Code:
TOGT: 1.2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CO:	1	**ROGT:**	1.1712
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1997 Toxic Data

Facility ID:	3047	**COID:**	ALA
Facility SIC Code:	2813	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

18	10 of13	NNW	0.06 / 301.48	20.21 / 1	**MATHESON GAS PRODUCTS, INC.** **6775 CENTRAL AVENUE** **NEWARK CA**	**HIST TANK**

Owner Name:	MATHESON GAS PRODUCTS, INC.	**No of Containers:**	4
Owner Street:	30 SEAVIEW DRIVE	**County:**	ALAMEDA
Owner City:	SECAUCUS	**Facility State:**	CA
Owner State:	NJ	**Facility Zip:**	94560
Owner Zip:	07094		

18	11 of13	NNW	0.06 / 301.48	20.21 / 1	**MATHESON - NEWARK, CA** **6775 CENTRAL AVENUE** **NEWARK CA 94560**	**RCRA LQG**

EPA Handler ID:	CAD053046959
Gen Status Universe:	Large Quantity Generator
Contact Name:	JAMES MURPHREE
Contact Address:	1700 , SCEPTER ROAD , , WAVERLY , TN, 37185 , US
Contact Phone No and Ext:	931-296-8151
Contact Email:	JMURPHREE@MATHESONGAS.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20220228
Location Latitude:	37.514838
Location Longitude:	-122.048223

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	Generators - General
Violation Type:	262.A
Violation Determined Date:	20220621
Scheduled Compliance Date:	
Return to Compliance:	Documented
Actual Return to Compl:	20230929

Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20230424
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20220621
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20220726
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20170922
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20171115
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20170922
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20171115
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20130919
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20131022
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20130919
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20131022
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20061211
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20061211
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20061211
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20040323
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20040520
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040520
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20220621

Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20230929
Evaluation Agency: State

Evaluation Start Date: 20220621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20220726
Evaluation Agency: State

Evaluation Start Date: 20170922
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20171115
Evaluation Agency: State

Evaluation Start Date: 20170922
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20171115
Evaluation Agency: State

Evaluation Start Date: 20130919
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20131022
Evaluation Agency: State

Evaluation Start Date: 20130919
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20131022
Evaluation Agency: State

Evaluation Start Date: 20130919
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20061211
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20061211
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20061211
Evaluation Agency: State

Evaluation Start Date: 20060731
Evaluation Type Description: FOLLOW-UP INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20060621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: Local

Evaluation Start Date: 20041122
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:

Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20040323
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20040520
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19910328
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800811
Handler Name: MATHESON DIV SEARLE MED PROD USA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900406
Handler Name: MATHESON GAS PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920225
Handler Name: MATHESON GAS PRODUCTS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20020304

Handler Name: MATHESON TRI-GAS INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 271
Waste Code Description: Organic monomer waste (includes unreacted resins)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20040227
Handler Name: MATHESON TRI-GAS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20060622
Handler Name: MATHESON TRI-GAS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20080330
Handler Name: MATHESON TRI-GAS, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: P056
Waste Code Description: FLUORINE

Hazardous Waste Code: P078
Waste Code Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Hazardous Waste Code: P095
Waste Code Description: CARBONIC DICHLORIDE (OR) PHOSGENE

Hazardous Waste Code: P096
Waste Code Description: HYDROGEN PHOSPHIDE (OR) PHOSPHINE

Hazardous Waste Code: U029
Waste Code Description: METHANE, BROMO- (OR) METHYL BROMIDE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100812
Handler Name: MATHESON TRI-GAS, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: P031
Waste Code Description: CYANOGEN (OR) ETHANEDINITRILE

Hazardous Waste Code: P056
Waste Code Description: FLUORINE

Hazardous Waste Code: P076
Waste Code Description: NITRIC OXIDE (OR) NITROGEN OXIDE NO

Hazardous Waste Code: P078
Waste Code Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Hazardous Waste Code: P096
Waste Code Description: HYDROGEN PHOSPHIDE (OR) PHOSPHINE

Hazardous Waste Code: U033
Waste Code Description: CARBON OXYFLUORIDE (R,T) (OR) CARBONIC DIFLUORIDE

Hazardous Waste Code: U045
Waste Code Description: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)

Hazardous Waste Code: U135
Waste Code Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20120302
Handler Name: MATHESON
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20140301
Handler Name: MATHESON - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20200227
Handler Name: MATHESON - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20220228
Handler Name: MATHESON - NEWARK, CA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	1700
Type:	Private	***Street 1:***	SCEPTER ROAD
Name:	MATHESON	***Street 2:***	
Dt Became Current:	19560101	***City:***	NEWARK
Dt Ended Current:		***State:***	CA
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94560

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Dt Became Current:	19560101	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Dt Became Current:	19560101	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MATHESON TRI-GAS	***Street 2:***	
Dt Became Current:	19840520	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	MATHESON TRI-GAS, INC.	***Street 2:***	
Dt Became Current:	19560714	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	150 ALLEN ROAD
Name:	MATHESON TRI-GAS, INC	***Street 2:***	
Dt Became Current:	19560101	***City:***	BASKING RIDGE
Dt Ended Current:		***State:***	NJ
Phone:		***Country:***	US
Source Type:	Annual/Biennial Report	***Zip Code:***	07920

Owner/Operator Ind:	Current Owner	***Street No:***	1700
Type:	Private	***Street 1:***	SCEPTER ROAD

Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Dt Became Current:	19560101	**City:**	WAVERLY
Dt Ended Current:		**State:**	TN
Phone:	931-296-8151	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	37185
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NIPPON SANSO CORP
Name:	NIPPPON SANSO CORPORATION	**Street 2:**	
Dt Became Current:	19840520	**City:**	P.O. BOX 624 PARSIPPANY
Dt Ended Current:		**State:**	NJ
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	07054-0624
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	150 ALLEN ROAD
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Dt Became Current:	19560101	**City:**	BASKING RIDGE
Dt Ended Current:		**State:**	NJ
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	07920
Owner/Operator Ind:	Current Owner	**Street No:**	1700
Type:	Private	**Street 1:**	SCEPTER ROAD
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Dt Became Current:	19560101	**City:**	WAVERLY
Dt Ended Current:		**State:**	TN
Phone:	931-296-8151	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	37185
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	959 ROUTE 46 EAST
Name:	MATHESON TRI-GAS, INC.	**Street 2:**	
Dt Became Current:	19560714	**City:**	PARSIPPANY
Dt Ended Current:		**State:**	NJ
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	07054
Owner/Operator Ind:	Current Owner	**Street No:**	1700
Type:	Private	**Street 1:**	SCEPTER ROAD
Name:	MATHESON	**Street 2:**	
Dt Became Current:	19560101	**City:**	NEWARK
Dt Ended Current:		**State:**	CA
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560
Owner/Operator Ind:	Current Operator	**Street No:**	1700
Type:	Private	**Street 1:**	SCEPTER ROAD
Name:	MATHESON TRI-GAS, INC	**Street 2:**	
Dt Became Current:	19560101	**City:**	WAVERLY
Dt Ended Current:		**State:**	TN
Phone:	931-296-8151	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	37185
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	1275 VALLEY BROOK AVE
Name:	MATHESON DIV SEARLE MED PROD USA INC	**Street 2:**	
Dt Became Current:		**City:**	LYNDHURST
Dt Ended Current:		**State:**	NJ
Phone:	201-935-6660	**Country:**	
Source Type:	Notification	**Zip Code:**	07073

Historical Handler Details

Receive Dt:	20200227
Generator Code Description:	Large Quantity Generator
Handler Name:	MATHESON - NEWARK, CA

Receive Dt: 20140301
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON - NEWARK, CA

Receive Dt: 20120302
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON

Receive Dt: 20100812
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON TRI-GAS, INC

Receive Dt: 20080330
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON TRI-GAS, INC

Receive Dt: 20060622
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON TRI-GAS

Receive Dt: 20040227
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON TRI-GAS

Receive Dt: 20020304
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON TRI-GAS INC.

Receive Dt: 19920225
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON GAS PRODUCTS

Receive Dt: 19900406
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON GAS PRODUCTS

Receive Dt: 19800811
Generator Code Description: Large Quantity Generator
Handler Name: MATHESON DIV SEARLE MED PROD USA INC

18	***12 of13***	***NNW***	***0.06 / 301.48***	***20.21 / 1***	***MATHESON TRI-GAS, INC. 6775 CENTRAL AVENUE NEWARK CA 94560***	***CONT ALAMEDA***

Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - SITE ASSESSMENT
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600104387
Fac ID:
Desc:

Inv Party:
Inv P Type:

18	***13 of13***	***NNW***	***0.06 / 301.48***	***20.21 / 1***	***MATHESON TRI-GAS, INC. 6775 CENTRAL AVE NEWARK CA 945600000***	***CERS HAZ***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID: 608520
Latitude: 37.526104
Longitude: -122.027886

Regulated Programs

EI ID: CAD053046959 **EI Description:** Hazardous Waste

Affiliations

Affil Type Desc: Facility Contact
Entity Name: JAMES MURPHREE
Entity Title:
Address: 1700 SCEPTER ROAD
City: WAVERLY
State: TN
Country:
Zip Code: 37185
Phone: 9312968151

Affil Type Desc: Facility Owner
Entity Name: MATHESON TRI-GAS, INC
Entity Title:
Address: 3 MOUNTAINVIEW ROAD, 3RD FLOOR
City: WARREN
State: NJ
Country:
Zip Code: 070590000
Phone: 9312968151

19	1 of4	NW	0.06 / 315.29	20.53 / 1	BRITECH ELECTROPOLISHING INC 6821 CENTRAL AVENUE STE A NEWARK CA 94560-0000	RCRA LQG

EPA Handler ID: CAR000176883
Gen Status Universe: Large Quantity Generator
Contact Name: LAVANYA NARNE
Contact Address: 6821 , CENTRAL AVENUE STE A , , NEWARK , CA, 94560-0000 , US
Contact Phone No and Ext: 510-713-8030
Contact Email: LNARNE@GMAIL.COM
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20220224
Location Latitude: 37.514838
Location Longitude: -122.048223

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Jan, 2024.

Evaluation Details

Evaluation Start Date: 20211008
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20060817
Handler Name:	BRITECH ELECTROPOLISHING INC
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	F006
Waste Code Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20160225
Handler Name:	BRITECH ELECTROPOLISHING INC.
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	F006
Waste Code Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No:	2

Receive Date: 20180226
Handler Name: BRITECH ELECTROPOLISHING INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20200225
Handler Name: BRITECH ELECTROPOLISHING INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20220224
Handler Name: BRITECH ELECTROPOLISHING INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	PO BOX 367
Name:	H AND W VINEYARD LLC	***Street 2:***	
Dt Became Current:	19770101	***City:***	REDWOOD VALLEY
Dt Ended Current:		***State:***	CA
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	95470

Owner/Operator Ind:	Current Operator	***Street No:***	6821
Type:	Private	***Street 1:***	CENTRAL AVENUE STE A
Name:	BRITECH ELECTROPOLISHING INC.	***Street 2:***	
Dt Became Current:	20061101	***City:***	NEWARK
Dt Ended Current:		***State:***	CA
Phone:	510-713-8030	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94560-0000

Owner/Operator Ind:	Current Owner	***Street No:***	PO BOX
Type:	Private	***Street 1:***	3131
Name:	JOHN A MCLNTOSH	***Street 2:***	
Dt Became Current:	20090101	***City:***	FREMONT
Dt Ended Current:		***State:***	CA
Phone:	510-599-3200	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94539

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	PO BOX 3131
Name:	NEWARK 88 LLC	***Street 2:***	
Dt Became Current:	20080731	***City:***	FREMONT
Dt Ended Current:		***State:***	CA
Phone:	510-713-8030	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94538

Owner/Operator Ind:	Current Operator	***Street No:***	6821
Type:	Private	***Street 1:***	CENTRAL AVENUE STE A
Name:	BRITECH ELECTROPOLISHING INC.	***Street 2:***	
Dt Became Current:	20090202	***City:***	NEWARK
Dt Ended Current:		***State:***	CA
Phone:	510-713-8030	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94560-0000

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	BRITECH ELECTROPOLISNING INC.	***Street 2:***	
Dt Became Current:	20061101	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	PO BOX
Type:	Private	***Street 1:***	3131
Name:	NEWARK 88 LLC	***Street 2:***	
Dt Became Current:	20080731	***City:***	FREMONT
Dt Ended Current:		***State:***	CA
Phone:	510-713-8030	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94538

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	BRITECH ELECTROPOLISHING INC	***Street 2:***	
Dt Became Current:	20060701	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	

Historical Handler Details

Receive Dt: 20200225
Generator Code Description: Large Quantity Generator
Handler Name: BRITECH ELECTROPOLISHING INC

Receive Dt: 20180226
Generator Code Description: Large Quantity Generator
Handler Name: BRITECH ELECTROPOLISHING INC

Receive Dt: 20160225
Generator Code Description: Large Quantity Generator
Handler Name: BRITECH ELECTROPOLISHING INC.

Receive Dt: 20060817
Generator Code Description: Small Quantity Generator
Handler Name: BRITECH ELECTROPOLISHING INC

19	2 of4	NW	0.06 / 315.29	20.53 / 1	**BRITECH ELECTROPOLISHING INC.** **6821 CENTRAL AVE A** **NEWARK CA 94560**	CERS HAZ

Site ID: 13596
Latitude: 37.526130
Longitude: -122.028710

Regulated Programs

EI ID: 10188521 ***EI Description:*** Hazardous Waste Onsite Treatment

EI ID: 10188521 ***EI Description:*** Hazardous Waste Generator

EI ID: 10188521 ***EI Description:*** Chemical Storage Facilities

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: PBR ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Tiered Permitting Program - Administration/Documentation - General

Violations

Violation Date: 01/06/2020 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/09/2020.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to meet any of the following consolidated manifest requirements:
1) Legible receipts for each quantity of hazardous waste that is received from a generator,
2) The generator's information (name, address, identification number, contact person, telephone number of the generator, the signature of the generator or the generator's representative),
3) Date of the shipment,
4) The manifest number,
5) The volume or quantity of each waste stream received,
6) The name, address, and identification number of the authorized facility to which the hazardous waste will be transported,
7) The transporter's information (name, address, and identification number, the driver's signature),
8) A statement, signed by the generator, certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste to the degree economically practicable.
9) The generator shall retain each receipt for at least three years.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Business Plan Program - Operations/Maintenance - General

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.40(c) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(c)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to determine if the waste generated is a hazardous waste and to maintain analysis results for three years.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Business Plan Program - Administration/Documentation - General

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.191(g) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.191(g)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure of the Existing Hazardous Waste Tank P.E. assessment to contain the following:
1) Tank configuration (i.e., horizontal, vertical), and gross capacity (in gallons);
2) Design standard(s), if available, according to which the tank and ancillary equipment were constructed and all of the following information:
A) Material of construction;
B) Material thickness and the method used to determine the thickness;
C) Description of tank system piping (material, diameter);
D) Description of any internal and external pumps; and
E) Sketch or drawing of tank including dimensions.
3) Documented age of the tank system, if available, otherwise, an estimate of the age based on owner or operator knowledge;
4) Description and evaluation of the adequacy of any leak detection equipment;
5) Description and evaluation of any corrosion protection equipment;
6) Description and evaluation of any spill prevention or overfill equipment;
7) Hazardous characteristics of the waste(s) that have been or will be handled;
8) Description of any structural damage or inadequate construction or installation such as cracks, punctures, or damaged fittings. All discrepancies shall be documented in the assessment and remedied before the tank system is certified for use.
9) Results of a leak test, internal inspection, or other tank system integrity examination including the type of integrity examination performed (i.e., ultrasonic, internal examination, volumetric tank test, pipeline pressure test). Tank system integrity or leak test requirements must be in compliance with all local requirements. Prior to conducting a tank system integrity test or leak test, contact local agency staff for local requirements.
10) Estimated remaining service life of the tank system based on findings of subsections 1) through 9).

Violations

Violation Date: 04/09/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 04/15/2014.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violations

Violation Date: 01/23/2018 ***Violation Source:*** CERS
Violation Program: PBR ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 45 67450.13(a)(4) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(4)
Violation Notes:

Returned to compliance on 02/22/2018. OBSERVATION: A revised closure cost estimate for changes in the Closure Plan and/or a change occurs that increases the cost of closure was not found in the records at the facility. The current closure cost estimate did not include the sampling cost and the new ACDEH permit fee. The sampling cost was in the Closure Plan submitted. The Owner/Operator shall maintain the latest closure cost estimate at the facility. CORRECTIVE ACTION: Ensure that the latest closure cost estimate includes sampling cost and the revised permit fee and is maintained at the facility whenever a change in the Closure Plan and/or an increase in the cost of closure occurs. Submit before March 1, 2018.

Violation Description:

Failure to submit financial assurance form upon a change or when there is an increase in the closure costs.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25244.21 - California Health and Safety Code, Chapter 6.5, Section(s) 25244.21
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure of the generator to adequately complete, and maintain for review, the following requirements of the source reduction report (SB-14):
1) The name and location of the site;
2) Telephone number;
3) Identification Number;
4) The SIC Code5;
5) Length of time the company has been in business at the present site;
6) Major products manufactured or services provided and, if necessary to convey an understanding of the business, their general applications or examples of their applications or end use;
7) Number of employees;
8) A general description of site Operations/Maintenance with corresponding block diagrams focusing on quantity and type of hazardous wastes, raw materials, and final products produced at the site;
9) Identification of all routinely generated hazardous waste streams that annually weigh 600 kg or more and that result from ongoing processes or Operations/Maintenance and exceed 5 percent of the total yearly weight of hazardous waste generated, for extremely hazardous waste, that annually weigh 0.6 kg or more and exceed 5 percent of the total yearly weight of extremely hazardous waste generated at the site;
10) For each hazardous waste stream identified the report shall include all of the following information:
A) An estimate of the quantity of hazardous waste generated,
B) An evaluation of source reduction approaches available and are potentially viable. The evaluation shall consider at least all of the following source reduction approaches:
i) Input change.
ii) Operational improvement.
iii) Production process change.
iv) Product reformulation.
v) Administration/ Documentation steps taken to reduce hazardous waste generation including but not limited to: (A) Inventory control; (B) Employee award programs; (C) Employee training; (D) In-house policies; (E) Corporate or management commitment; and (F) Other programs or measures,
11) Consideration of the following factors for each measure evaluated in accordance with subsection (10) of this section (where a specific factor does

not apply identify as N/A): (1) Expected change in the amount of hazardous waste generated; (2) Technical feasibility; (3) Economic evaluation: (A) Capital cost, operating cost, waste management cost; (B) Return on investment (ROI), breakdown point, avoided cost, pretax payback period, or any other economic comparison method; (4) Effects on product quality; (5) Employee health and safety implications; (6) Permits, variances, compliance schedules or applicable state local and federal agencies; (7) Releases and discharges,
12) Any pertinent information, such as waste stream constituents and concentration of constituents, needed to evaluate and implement source reduction measures;
13) A specification of the technically feasible and economically practicable source reduction measures for each hazardous waste stream and the plan shall fully document any statement explaining the generator's rationale for rejecting any available source reduction approach;
14) A timetable for making progress towards implementation of the selected source reduction measures;
15) A list of each measure considered but not selected for a detailed evaluation as a potentially viable source reduction measure. For each measure rejected, explain the generator's rationale. This list shall be supplemented for waste streams where no measures were identified with a narrative demonstrating the good faith efforts undertaken to identify measures.
16) A timetable for making reasonable and measurable progress towards implementation of the selected source reduction measures specified in subsection (13) of this section. It shall also include an implementation schedule for completing the evaluation of potentially viable source reduction measures and it shall prioritize processes and wastes for future research, development and source reduction analysis;
17) P.E. Certification; and
18) A summary progress report that briefly summarizes the results of implementing the sou; Note: data in [Violation Description] field for some records is truncated from the source.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to properly complete the Hazardous Waste manifest.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66262.41 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66262.41
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure of a large quantity RCRA generator to complete the Biennial report (Form 8700) by March 1st on even numbered years and maintain it onsite for three years.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 01/23/2018 ***Violation Source:*** CERS

Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.177 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.177
Violation Notes:

Returned to compliance on 05/03/2018. OBSERVATION: Incompatible acids and bases are being stored within the same secondary containment. Phosphoric/Sulfuric acid, sodium hydroxide tank, and the neutralization treatment H2 tank are stored near each other within the same secondary containment. The acid and bases should be stored in separate secondary containments. Incompatible wastes shall not be stored in the same container, nearby, or in an unwashed container which previously contained an incompatible waste or container. CORRECTIVE ACTION: Immediately begin storing incompatible materials in separate secondary containments or separated secondary containment. If the containers are stored in the same area, they shall be separated or protected from the other containers by means of a dike, berm, wall, or other device. Provide photo documentation to ACDEH.

Violation Description:

Failure to separate incompatible wastes from the same container, nearby containers, or unwashed containers which previously contained incompatible waste or materials.

Violations

Violation Date: 01/23/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 02/22/2018. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for 110 gallons of 75% Phosphoric Acid and 574 cubic feet of propane to the CUPA. Observed two 55 gallon drums instead of one of the phosphoric acid. Also recommend to change any 55 gallons inventory to 110 gallons. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.192(h) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(h)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer stating the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed and that the tank system has sufficient structural strength, compatibility with the waste(s) to be transferred, stored or treated, and corrosion protection so that it will not collapse, rupture, or fail. This assessment shall be obtained prior to placing the tank system in service, and shall be kept on file at the facility. The tank assessment shall be good for five years. This assessment shall also include, at a minimum, the following information:
(1) Design standard(s) according to which the tank(s) and ancillary equipment are or will be constructed;
(2) Hazardous characteristics of the waste(s) to be handled;
(3) For new tank systems or components in which the external shell of a metal tank or any external metal component of the tank system is or will be in contact with the soil or with water, a determination by a corrosion expert of:
(A) Factors affecting the potential for corrosion, including but not limited to:
1. Soil moisture content;
2. Soil pH;
3. Soil sulfides level;
4. Soil resistivity;
5. Structure to soil potential;
6. Influence of nearby underground metal structures (e.g., piping);
7. Stray electric current; and
8. Existing corrosion-protection measures (e.g., coating, cathodic protection), and
(B) The type and degree of external corrosion protection that are needed to ensure the integrity of the tank system during the use of the tank system or component, consisting of one or more of the following:
1. Corrosion-resistant materials of construction such as special alloys or fiberglass-reinforced plastic;
2. Corrosion-resistant coating (such as epoxy or fiberglass) with cathodic protection (e.g., impressed current or sacrificial anodes); and

3. Electrical isolation devices such as insulating joints and flanges;
(4) For underground tank system components that are likely to be affected by vehicular traffic, a determination of design or operational measures that will protect the tank system against potential damage; and
(5) Design considerations to ensure that:
(A) Tank foundations will maintain the load of a full tank;
(B) Tank systems will be anchored to prevent flotation or dislodgement where the tank system is placed in a saturated zone, or is located within a seismic fault zone;
(C) Tank systems will withstand the effects of frost heave; and
(D) The installation of a corrosion protection system that is field fabricated shall be supervised by an independent corrosion expert to ensure proper installation.

Violations

Violation Date: 01/23/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 02/22/2018. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description page for 110 gallons of 75% Phosphoric Acid and 574 cubic feet of propane to the CUPA. Also recommend to change any 55 gallons inventory to 110 gallons. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all materials listed above electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: PBR ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 45 67450.3(c)(2) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.3(c)(2)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to submit to the CUPA and the Department an amended notification at least 30 days after a change has occurred.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health

Citation: 22 CCR 15 66265.193 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.193
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure of the LQG and/or TP generator, on all new and existing hazardous waste tank systems and ancillary equipment, to meet the following secondary containment requirements:
1) Designed, installed, and operated to prevent any migration of wastes or accumulated liquid out of the system to the soil, ground water, or surface water at any time during the use of the tank system; and
2) Capable of detecting and collecting releases and accumulated liquids until the collected material is removed.
3) Constructed of or lined with materials that are compatible with the waste(s) to be placed in the tank system and shall have sufficient strength and thickness to prevent failure due to pressure gradients (including static head and external hydrological forces), physical contact with the waste to which they are exposed, climatic conditions, the stress of installation, and the stress of daily operation (including stresses from nearby vehicular traffic);
4) Placed on a foundation or base capable of providing support to the secondary containment system and resistance to pressure gradients above and below the system and capable of preventing failure due to settlement, compression, or uplift;
5) Provided with a leak detection system that is designed and operated so that it will detect the failure of either the primary and secondary containment structure or any release of hazardous waste or accumulated liquid in the secondary containment system within 24 hours, or at the earliest practicable time if the existing detection technology or site conditions will not allow detection of a release within 24 hours;
6) Sloped or otherwise designed or operated to drain and remove liquids resulting from leaks, spills, or precipitation. Spilled or leaked waste and accumulated precipitation shall be removed from the secondary containment system within 24 hours, or in as timely a manner as is possible to prevent harm to human health or the environment, if removal of the released waste or accumulated precipitation cannot be accomplished within 24 hours.
7) Secondary containment for tanks shall include one or more of the following devices:
a) A liner (external to the tank); b) a vault; c) a double-walled tank; or d) an equivalent device as approved by the Department.
8) The secondary containment systems shall satisfy the following requirements:
a) External liner systems shall be designed or operated to contain 100 percent of the capacity of the largest tank within its boundary; or
b) Designed or operated to prevent run-on and infiltration of precipitation into the secondary containment system unless the collection system has sufficient excess capacity to contain run-on and infiltration. Such additional capacity shall be sufficient to contain run-on and infiltration of precipitation from a 25-year, 24-hour rainfall event;
c) Free of cracks or gaps; and
d) Designed and installed to completely surround the tank and to cover all surrounding earth likely to come into contact with the waste if released from the tank(s) (i.e., capable of preventing lateral as well as vertical migration of the waste).
9) Vault systems shall be:
a) Designed or operated to contain 100 percent of the capacity of the largest tank within its boundary;
b) Designed or operated to prevent run-on and infiltration of precipitation into the secondary containment system unless the collection system has sufficient excess capacity to contain run-on and infiltration. Such additional capacity shall be sufficient to contain run-on and infiltration of precipitation from a 25-year, 24-hour rainfall event;
c) Constructed with chemical-resistant water stops in place at all joints (if any);
d) Provided with an impermeable interior coating or lining that is compatible with the waste being transferred, stored or treated and that will prevent migration of waste into the concrete;
e) Provided with a means to protect against the formation of and ignition of vapors within the vault, if the w; Note: data in [Violation Description] field for some records is truncated from the source.

Violations

Violation Date: 08/06/2014 ***Violation Source:*** CERS
Violation Program: PBR ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 45 67450.2(c)(10) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.2(c)(10)
Violation Notes:

Returned to compliance on 04/09/2015.

Violation Description:

Failure of the generator to prepare, maintain, and submit to CUPA an annual report containing the following information:
(A) The serial number(s) of the FTU(s) involved in treatment;
(B) The physical and mailing address of the business entity which owns or operates the FTU(s);
(C) The name, title and telephone number of each FTU contact person;
(D) The name and address or legal description of the facility;
(E) The facility identification number;
(F) The number of days each FTU was operated;
(G) The quantity of hazardous waste(s) treated by each FTU;
(H) The composition and hazardous characteristics of the influent hazardous waste(s);
(I) The treatment method(s) used for each hazardous waste treated by each FTU;
(J) The quantity, composition and hazardous characteristic(s) of any treatment effluent or residual discharged from each FTU to a POTW, if applicable; and
(K) The quantity, composition, hazardous characteristic(s) and disposition of any FTU treatment effluent or residual that was not discharged to a POTW, if applicable.

Violations

Violation Date: 01/23/2018 ***Violation Source:*** CERS
Violation Program: PBR ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 45 67450.13(a)(3) - California Code of Regulations, Title 22, Chapter 45, Section(s) 67450.13(a)(3)
Violation Notes:

Returned to compliance on 02/22/2018. See #10

Violation Description:

Failure to submit financial assurance form upon a change in the closure plan or when there is an increase in the closure costs.

Violations

Violation Date: 01/23/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 02/22/2018. OBSERVATION: The Emergency Response Plan has not been adequately implemented as demonstrated by emergency equipment (eye wash) is not available within 10 second walking distance of the treatment caustic tank. CORRECTIVE ACTION: Submit photos/documentation to the CUPA demonstrating that the Emergency Response Plan is being adequately implemented by installing an eye wash station near the Caustic Soda tank.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Enforcements

Enf Action Date: 08/06/2014 ***Enf Action Program:*** PBR
Enf Action Type: AEO - Unified Program ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:

Enf Action Date: 08/06/2014 ***Enf Action Program:*** HW
Enf Action Type: AEO - Unified Program ***Enf Action Source:*** CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes:

Evaluations

Eval Date: 02/15/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Onsite to conduct the Hazardous Waste Generator inspection at Britech Electropolishing Inc., - 6821 Central Ave. Suite A, Newark, CA. Met with owner, Lavanya Narne and Consultant, Lafayette Foland. Generator is a RCRA Large Quantity Generator, whose waste stream is Chromium/Copper solids and neutralized/filtered water is discharged under Union Sanitary Discharge Permit (expires 6/30/2019) OBSERVATION: Facility's entire electropolishing process is contained in secondary containment, but employees are walking in the secondary containment space rather than on raised walkable grates. ACDEH recommends providing raised grated walkways for employees so they do not step into the secondary containment and risk dragging out any spilled material. OBSERVATION: Observed that the Hazardous Waste Treatment Tanks do not have seismic analysis in the tank assessmnt. Facility is

located in a liquefaction zone. The tank assessment mentions that all other tanks are bolted to the floor, [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

HW GENERATOR INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: PBR
Eval Source: CERS
Eval Notes:

TIERED PERMITTING INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/08/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: PBR
Eval Source: CERS
Eval Notes:

Routine trienial tiered permit (TP) inspection. Met with Lavanya Narne, owner. Britech operates a Permit by Rule hazardous waste treatment process. The process precipitates metallic ions (chrome, nickel, silver) via flocculation and does pH neutralization prior to discharge to Union Sanitary District under POTW permit. There are four holding tanks and one filter press in the TP process. Caustic soda and magnisium are used for the pH neutralization and flocculation.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/15/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: PBR
Eval Source: CERS
Eval Notes:

Onsite to conduct the Tiered Permitting Permit by Rule inspection at Britech Electropolishing Inc., - 6821 Central Ave. Suite A, Newark, CA. Met with owner, Lavanya Narne and Consultant, Lafayette Foland. Generator is a RCRA Large Quantity Generator, whose waste stream is Chromium/Copper solids and neutralized/filtered water is discharged under Union Sanitary Discharge Permit (expires 6/30/2019). Observed that the closure cost estimate needs to be revised to reflect soil sampling costs (~$1500), 2018 cost increases, and increased agency permit fees to $2000. For the 2018 Closure Cost estimate submitted by March1, 2018, include the items mentioned above. OBSERVATION: Observed that the Nitric Acid tank is not seismically secured and the tank assessment mentions that all other treatment tanks are bolted to the floor, but seismic verification is not present. During the upcoming Tank

Assessment, have the PE do a seismic analysis on all treatment tanks. ACDEH has to [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/08/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine triennial hazardous materials business plan inspection. Meet with Lavanya Narne, owner. Britech provides electropolishing of metal parts for scientific, high-tech, and other industry. They primarily electropolish stainless steel and aluminum.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: PBR
Eval Source: CERS
Eval Notes:

joint inspection with regl lead; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/06/2020
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/09/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ENTER HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

joint inspection with regl lead; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/08/2014
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: PBR

Eval Source: CERS
Eval Notes:

EMAILS.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

joint inspection with regl lead; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 08/06/2014
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

joint inspection with regl lead.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/08/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Routine triennial hazardous waste generator inspection. Met with owner Lavanya Narne. Generator is a RCRA Large Quantity Generator (pre-treatment amounts). Waste stream is chrome/nickel/silver solids. pH neutralization and precipitation/flocculation are performed on electropolish rinsate. Neutralized and filtered water is discharged under permit to Union Sanitary District (permit 284, expires June 2023).; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/15/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Onsite to conduct the Hazardous Materials Business Plan inspection at Britech Electropolishing Inc., - 6821 Central Ave. Suite A, Newark, CA. Met with owner, Lavanya Narne and Consultant, Lafayette Foland. Most recent CERS submittal 12/29/2017.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Lavanya Narne
Entity Title: CEO
Address:
City:
State:
Country:
Zip Code:

Phone:

Affil Type Desc: Parent Corporation
Entity Name: BRITECH ELECTROPOLISHING INC.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Document Preparer
Entity Name: Stacy Brunner, Brunner Group, LLC
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6821 CENTRAL AVE STE A
City: NEWARK
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Property Owner
Entity Name: John A McIntosh
Entity Title:
Address: PO Box 3131
City: Fremont
State: CA
Country: United States
Zip Code: 94539
Phone: (510) 599-3200

Affil Type Desc: Onsite Treatment Unit Owner Operator
Entity Name: Lavanya Narne
Entity Title: CEO
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: Lavanya Narne
Entity Title:
Address: 6821 CENTRAL AVE A
City: NEWARK
State: CA
Country: United States

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Zip Code: 94560
Phone: (510) 713-8030

Affil Type Desc: Environmental Contact
Entity Name: Lavanya Narne
Entity Title:
Address: 6821 CENTRAL AVE STE A
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Operator
Entity Name: Lavanya Narne
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 713-8030

19	3 of4	NW	0.06 / 315.29	20.53 / 1	Acorn Trading Inc / dba Sunnyvale Trading 6821 CENTRAL AVE B NEWARK CA 94560	DELISTED HAZ

Siteid: 2929
Latitude: 37.526130
Longitude: -122.028710
Original Source: CHAZ
Record Date: 30-MAY-2017

19	4 of4	NW	0.06 / 315.29	20.53 / 1	PREVOST CAR (US) 6821 CENTRAL AVENUE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000430023
Gen Status Universe: No Report
Contact Name: HERMENEGILDO BONILLA
Contact Address: 3384 DE FOREST , , MIRA LOMA , CA, 91752 ,
Contact Phone No and Ext: 551-202-2064
Contact Email: HERMENEGILDO.BONILLA@VOLVO.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20170814
Location Latitude: 37.525776
Location Longitude: -122.028185

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20170814
Handler Name:	PREVOST CAR (US)
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	3384 DE FOREST
Name:	HERMENEGILDO BONILLA	**Street 2:**	
Date Became Current:		**City:**	MIRA LOMA
Date Ended Current:		**State:**	CA
Phone:	551-202-2064	**Country:**	
Source Type:	Implementer	**Zip Code:**	91752

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	7900 NATIONAL SERVICE ROAD
Name:	CLAY FLYNT	**Street 2:**	
Date Became Current:		**City:**	GREENSBORO
Date Ended Current:		**State:**	NC
Phone:	336-895-5406	**Country:**	
Source Type:	Implementer	**Zip Code:**	27409

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
20	1 of1	NNW	0.06 / 320.62	20.36 / 1	MATHESON TRI-GAS INC - NEWARK BRANCH NEWARK CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014445004020	**Fac Snc Flg:**	N
Fac Informal Count:	1	**AIR Flag:**	N
Last Informal Action:	4/24/2023	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	94560MTHSN6775C
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	6	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	71.957	**TRI Reporter:**	-
Fac Pop Den:	4026.44	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	3
Region:	09	**Date Last Inspection:**	3/1/2023
Latitude:	37.526667	**Days Last Inspection:**	276

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude: -122.028611
Fac Derived Tribes: -
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: CAD053046959
RCRA Permit Types: LQG
RCRA NAICS: 32512
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: N
Fac Collection Meth: INTERPOLATION - DIGITAL MAP SRCE (TIGER)
EJSCREEN Flag Us: Y
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.028611,%22y%22:37.526667,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110009530668

Industry: Industrial Gas

21	1 of1	WNW	0.08 / 397.77	19.46 / 0	D&D EQUIPMENT CO./FINE LINE SAWING 37651 SYCAMORE ST NEWARK CA 94560	CERS HAZ

Site ID: 391019
Latitude: 37.525581
Longitude: -122.029820

Regulated Programs

EI ID: 10188733 **EI Description:** Chemical Storage Facilities

EI ID: 10188733 **EI Description:** Hazardous Waste Generator

Violations

Violation Date: 06/29/2022 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 09/19/2022. Per Devin Corcoran, the emergency contact information on the Business Owner/Operator Identification page in the California Environmental Reporting System (CERS) needs to be updated. Update the emergency contact information on the Business Owner/Operator Identification page in CERS no later than 7/29/2022.

Violation Description:

Failure to report program data electronically.

Violations

Violation Date: 06/29/2022 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Alameda County Environmental Health
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Notes:

Returned to compliance on 08/29/2022. The facility failed to label their 55-gallon drums that previously held a hazardous material/waste. This is a

repeated violation that is being elevated to a Class II violation. Label all 55-gallon drums that previously held a hazardous material/waste with the following information no later than 7/29/2022: • The word "Empty" • The date the container was been emptied Submit a picture of this to Alameda County CUPA to close the violation.

Violation Description:

Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following:

(e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or

(3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or

(4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or

(i) By shipping the container or inner liner back to the supplier for the purpose of being refilled.

(f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Office Administrator is unsure if the property owner has been notified in writing that a HMBP is required for the business and complies with all of its provisions. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have complied with the requirement.

Violation Description:

Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Notes:

Returned to compliance on 08/29/2022. The facility failed to label their 55-gallon drum of used oil filters with the accumulation start date. Label the drum of used oil filters with the following information no later than 7/29/2022: • The words "Drained used oil filters" • The accumulation start date Submit a picture of this to Alameda County CUPA to close the violation.

Violation Description:

Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 09/19/2022. The facility failed to implement the following aspects of its Hazardous Materials Business Plan: 1. Unattended waste oil and waste antifreeze spill were observed in the secondary containment and on top of the drums. 2. Incompatible gases were stored together in the shop - oxygen and acetylene cylinders were stored with each other in the same cage and the oxygen cylinders were stored within 6 feet of the propane cylinders. This violation was also cited on 6/23/2015. Clean up all waste oil/antifreeze spills and segregate the incompatible gases no later than

7/29/2022 (incompatible gases should be stored at least 15 feet apart). Submit pictures of this to Alameda County CUPA to close the violation.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 12/02/2022. The Emergency Response and Contingency Plan in CERS does not include the contact information for the Primary/Secondary Emergency Coordinators. Update the Emergency Response and Contingency Plan in CERS to include the missing information no later than 7/29/2022.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 49 CFR 1 172 - U.S. Code of Federal Regulations, Title 49, Chapter 1, Section(s) 172
Violation Notes:

Returned to compliance on 05/04/2023. Universal Waste Handler (UWH) failed to properly package, label, mark, placard, or prepare and retain shipping papers for all universal waste being shipped to another universal waste handler, destination facility, or foreign facility. Facility shall transmit to ACDEH CUPA the next fluorescent tube disposal manifest. Submit documentation to the CUPA demonstrating that all universal waste noted above have been properly packaged, labeled, marked, placarded, or prepared and retain shipping papers.

Violation Description:

Failure of the universal waste handler to transfer universal waste to another universal waste handler, or appropriate destination facility. Failure to package, label, mark and placard shipments and prepare shipping papers for any universal waste that meets the hazardous materials definition in accordance with DOT 49 CFR parts 171-180.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Facility has not electronically submitted an adequate training program for the Hazardous Materials Business Plan (HMBP), which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled. CORRECTIVE ACTION: Facility is to submit HMBP electronically with adequate training/ Emergency Response Plan to include safe handling hazardous materials/unplanned release, emergency shutoffs for equipment; Emergency equipment (such as fire extinguishers, spill prevention & alarm equipment), spill control (e.g., absorbents, rags, or shop vac), PPE; evacuation procedures.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 05/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health

Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/04/2018.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 12/17/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 09/01/2015.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 04/13/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/17/2017.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: The facility has not submitted Site Map with all required contents electronically to the CUPA. CORRECTIVE ACTION: Complete and submit the Site Map with all required contents electronically in the California Environmental Reporting System (CERS). ACDEH provided example site map/required elements for facility reference.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 08/29/2022. Unattended spills were observed in secondary containment for the used oil and used antifreeze drums, and on top of the drums themselves. This is a repeated violation that is being elevated to a Class II violation. Clean up all unattended spills by 7/13/2022 and new spills as they occur. Submit a picture of this to Alameda County CUPA to close the violation.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 08/29/2022. Per Devin Corcoran, the facility is not conducting annual hazardous materials safety/HMBP training. Provide annual HMBP safety training to facility employees by 7/29/2022 and maintain training records onsite for a minimum of three (3) years. Submit a copy of the training records to Alameda County CUPA to close this violation.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Returned to compliance on 08/29/2022. Empty container management and storage shall be added to the list of training items. Observed several empty, unlabeled poly containers and one 5 gallon bucket of oily water outside north of mechanic's shop. Submit documentation to the CUPA demonstrating that employees have been properly trained on container management.

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: The facility has not submitted the Hazardous Materials Inventory Chemical Description pages electronically for hazardous materials at or above reporting threshold to the CUPA. Reporting threshold is 200 cubic feet for compressed gases, 55 gallons for liquid and 500 pounds for solid substance. CORRECTIVE ACTION: Complete and submit the Hazardous Materials Inventory Chemical Description page for all hazardous materials stored in quantities greater or equal to reporting threshold electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 08/29/2022. The hazardous waste labels on the used oil and used antifreeze drums are illegible and do not include the accumulation start dates. Provide legible hazardous waste labels for the used oil and used antifreeze drums no later than 7/29/2022. Hazardous waste labels must include: • The words "Hazardous Waste" • The accumulation start date • The composition and physical state of the wastes • A statement or statements which call attention to the particular hazardous properties of the waste (e.g., flammable, reactive, etc.) • The name and address of the person producing the waste Submit a picture of the updated labels to Alameda County CUPA to close this violation.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 08/15/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 08/26/2022.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Notes:

Returned to compliance on 08/29/2022. A copy of the Hazardous Materials Business Plan (HMBP) was not available onsite. Keep a copy of the HMBP onsite so that it is readily available for review. Submit a picture of this to Alameda County CUPA by 7/29/2022 to close this violation.

Violation Description:

Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: LAST HMBP SUBMITTED NOVEMBER 8, 2012 TO ACDEH. FACILITY HAS NOT ANNUALLY REVIEWED/CERTIFIED THAT HMBP IS COMPLETE, ACCURATE AND UP-TO-DATE SINCE. A HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) HAS NOT BEEN SUBMITTED ELECTRONICALLY TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). CORRECTIVE ACTION: SUBMIT THE HMBP ELECTRONICALLY TO CERS AND IMPLEMENT THE PLAN IMMEDIATELY. ENSURE ANNUAL REVIEW MOVING FORWARD.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Notes:

Returned to compliance on 08/29/2022. The universal waste label on the 55-gallon drum of fluorescent waste tubes was left blank. Label all 55-gallon drums that previously held a hazardous material/waste with the following information no later than 7/29/2022: • The words "Universal Waste Lamp(s)" • The accumulation start date Submit a picture of this to Alameda County CUPA to close the violation.

Violation Description:

Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)". 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment". 3) Lamps shall be marked with "Universal Waste-Lamp(s)". 4)Each electronic devices or the container or the designated area shall be marked with "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)". 6) CRT glass or the designated area shall be marked with "Universal Waste-CRT glass".

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: The facility has not submitted an Emergency Response Plan with all required contents electronically to the CUPA. CORRECTIVE ACTION: Complete and submit the Emergency Response Plan with all required contents electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Weekly hazardous waste storage area inspections are not being performed weekly to address and identifying hazardous waste management requirements properly. CORRECTIVE ACTION: Immediately begin conducting weekly hazardous waste storage area inspections that include hazardous waste management requirements. (ACDEH provided facility example inspection form.)

Violation Description:

Failure to inspect hazardous waste storage areas at least weekly.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 09/19/2022. The site map in CERS does not include the locations of the compressed gas cylinders and emergency shutoffs. Add the name/address of the facility, icon legend, and north orientation arrow to the site map in CERS by 7/29/2022. A complete site map requires: • A north orientation arrow • Loading areas • Internal roads • Adjacent streets • Storm drains • Sewer drains • Access and exit points • Emergency shutoffs (power, gas, water) • Evacuation staging areas • Hazardous material handling and storage areas • Emergency response equipment

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: One 55 gallon container waste antifreeze labeled with hazardous waste label missing physical/hazardous properties. Stored onsite greater than 180 days and accumulation start date of 11/30/2011. CORRECTIVE ACTION: Last accumulation start date noted on the waste antifreeze is 11/30/2011, immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA within 30 days from this inspection.

Violation Description:

Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 09/19/2022. The liquid petroleum gas (propane) stored onsite is not reported in the physical state at which it is stored (it is reported in cubic feet, rather than gallons). HSC 6.95 25507(1)(A) Update the storage capacity and reporting units of the propane in CERS to gallons by 7/29/2022. 35.65 cubic feet of propane = 1 gallon of propane.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: A HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) HAS NOT BEEN SUBMITTED ELECTRONICALLY TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS). 55 GAL CONTAINER MOTOR OIL FOUND OPEN DURING INSPECTION TO BE KEPT CLOSED. SPILL OF AUTOMATIC TRANSMISSION FLUID ON EMPTY 55 GAL CONTAINER TO BE CLEANED UP. INCOMPATIBLE MATERIALS STORED (ACETYLENE AND PROPANE CYLINDERS STORED WITH OXYGEN CYLINDERS). CORRECTIVE ACTION: SUBMIT THE HMBP ELECTRONICALLY TO CERS AND IMPLEMENT THE PLAN IMMEDIATELY. MOTOR OIL CONTAINER CLOSED, AND ATF CLEANED UP AND CORRECTED ONSITE DURING INSPECTION. FACILITY IS TO STORE INCOMPATIBLE MATERIALS SEPARATELY. PROVIDE PHOTO EVIDENCE THAT INCOMPATIBLE MATERIALS ARE STORED SEPARATELY.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Facility is not being operated in a manner that prevents releases to the environment. Facility is not addressing spills/releases as they occur. Observed outside used oil storage area with historic staining around metal bin, spilled automatic transmission fluid (ATF) on top of an empty red drum located outside the shop, inside the shop observed liquid in a secondary containment storing a 55 gallon drum waste antifreeze within the liquid that had not been addressed. CORRECTIVE ACTION: Clean up all spilled materials and address spills/releases as they occur. Facility removed/cleaned out liquid from secondary containment, and ATF cleaned up on top of empty drum during inspection. ACDEH to provide facility with directives for proper clean up of historic staining noted around used oil collection/storage area.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to the air, soil, or surface water which could threaten human health or the environment..

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Facility has not provided hazardous waste training to employees who are responsible for handling hazardous waste. CORRECTIVE ACTION: Train all employees who handle hazardous waste to a level applicable to their duties. Provide a copy of training record to ACDEH for review.

Violation Description:

Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.31(a) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.31(a)
Violation Notes:

Returned to compliance on 05/04/2023. Per Devin Corcoran, facility employees are disposing of unusable aerosol cans in the municipal trash. Discontinue this practice immediately and train staff to manage unusable aerosol cans as universal waste (per the requirements set forth in HSC § 25201.16) no later than 7/29/2022. Submit a copy of the universal waste training records to Alameda County CUPA to close the violation.

Violation Description:

Failure of the universal waste handler to prevent improper disposal of universal waste, or to transfer universal waste to the appropriate destination facility.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: TWO 55 GAL USED OIL CONTAINERS, ONE 55 GAL DRUM DRAINED USED OIL FILTERS, ONE 55 GAL MOTOR OIL FOUND OPEN DURING INSPECTION. CORRECTIVE ACTION: FACILITY IS TO ENSURE THAT ALL HAZARDOUS MATERIALS/WASTE CONTAINERS ARE KEPT CLOSED UNLESS ADDING TO OR REMOVING HAZARDOUS MATERIAL/ WASTE.

Violation Description:

Failure to properly close hazardous waste containers when not in active use.

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Notes:

Returned to compliance on 08/29/2022. Owner/Operator failed to properly label universal waste. Fluorescent tubes stored in 12 foot cardboard box not labeled. Ensure that fluorescent tubes are never broken as this will release mercury into the environment. Inhalation of the mercury vapors is potential. Properly label universal waste and submit statement of compliance and/or a photo of the waste labeled properly.

Violation Description:

Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)". 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing Equipment". 3) Lamps shall be marked with "Universal Waste-Lamp(s)". 4)Each electronic devices or the container or the designated area shall be marked with "Universal Waste-Electronic Device(s)". 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)". 6) CRT glass or the designated area shall be marked with "Universal Waste-CRT glass".

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.36 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.36
Violation Notes:

Returned to compliance on 09/23/2022. Owner/Operator failed to provide initial and/or annual refresher training for employees who manage or handle universal waste and to maintain a written record for three years of personnel who took the initial or annual training. Mechanic, Derek, says that the fluorescent tube recycler has instructed them to break the tubes prior to placing the tubes in the box. Never break fluorescent tubes. This will expose people to mercury vapors and inhalation hazards. Provide employees with initial or refresher UW training. Submit a evidence of training to the CUPA.

Violation Description:

Failure of universal waste handler to provide initial and/or annual refresher training for employees who manage or handle universal waste and to maintain a written record for three years of personnel who took the initial or annual training.

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Notes:

Returned to compliance on 04/20/2021. The EPA ID Number is inactive. EPA ID: CAL000259188 Name: FINE LINE SIGN & DRILLING INC Status: INACTIVE Inactive Date: 2015-06-30 Contact: DENNIS CORCORAN County: ALAMEDA Record Entered: 2002-09-13 Last updated: 2016-01-27 Submit documentation to the CUPA demonstrating that you have obtained an EPA ID number.

Violation Description:

Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Two 55 gallon containers used oil missing hazardous waste labels, one 55 gallon container waste antifreeze labeled with hazardous waste label missing physical/hazardous properties with accumulation start date 11/30/2011 , and one 55 gallon open top drum drained used oil filters missing "drained used oil filters" label. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information. Label empty 55 gallon product drums "empty" and date emptied. Provide evidence of proper labeling to ACDEH.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS

Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: The facility has not submitted Owner/Operator and Business Activities forms electronically to the CUPA. CORRECTIVE ACTION: Complete and submit the Owner/Operator and Business Activities forms electronically in the California Environmental Reporting System (CERS). FACILITY REPRESENTATIVE BEGAN DURING INSPECTION.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 09/19/2022. The Federal Hazard Categories for the hazardous materials listed in CERS are obsolete. This is a repeated violation that is being elevated to a Class II violation. Uncheck the obsolete Federal Hazard Categories in the chemical inventory in CERS and then check the applicable boxes for the 24 new Federal Hazard Categories by 7/29/2022. You can find the Federal Hazard Category in Section 2 of the Safety Data Sheets (SDS).

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 09/19/2022. Please select the 24 new Federal Hazard Categories on each of your reported chemical(s). Please uncheck all five of the obsolete Federal Hazard Categories and then check the applicable boxes for the 24 new Federal Hazard Categories. You can find the Federal Hazard Category in Section 2 of the Safety Data Sheet (SDS). The new hazard categories were adopted by CalEPA on December 28, 2017 and are required to be used effective January 1, 2018. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Generator failed to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers. CORRECTIVE ACTION: Owner/Operator shall immediately post, next to the telephone, emergency information that contains the required information in accordance with Title 22. (ACDEH provided example form to facility.) Provide compliance information to the CUPA within 30 days.

Violation Description:

Failure to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: INITIAL / ANNUAL training documentation for all applicable employees was not available. CORRECTIVE ACTION: Conduct and submit documentation to the CUPA demonstrating that employees have received training on safe handling of hazardous materials and the Emergency Response Plan (refer to employee training requirements in facility business plan/Emergency Response Plan to be submitted in CERS).

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.171 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.171
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: Two 55 gallon poly closed head drums with used oil stored inside a metal container. The top of poly drums appear to be warped and metal container the drums are stored in shows evidence of historic leaking. CORRECTIVE ACTION: Facility is to store used oil in containers that are in good condition or have hazardous waste (used oil) disposed of by a licensed hazardous waste hauler under a proper manifest. Provide ACDEH evidence of corrective action taken.

Violation Description:

Failure to accumulate hazardous waste in a container that is in good condition.

Violations

Violation Date: 07/10/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/05/2019.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/29/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.36 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.36
Violation Notes:

Returned to compliance on 09/23/2022. Facility employees have not been trained on the proper handling/disposal of unusable cans. Train staff to manage unusable aerosol cans as universal waste (per the requirements set forth in HSC § 25201.16) no later than 7/29/2022. Submit a copy of the universal waste training records to Alameda County CUPA to close the violation.

Violation Description:

Failure of universal waste handler to provide initial and/or annual refresher training for employees who manage or handle universal waste and to maintain a written record for three years of personnel who took the initial or annual training.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.35 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.35
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: FACILITY STORES TWO 55 GAL CONTAINERS INSIDE A METAL CONTAINER LOCATED OUTSIDE ON UNPAVED GROUND BY CONCRETE SLURRY PIT AND IS BLOCKED BY DRUMS WITH DEBRIS AND NOT ADEQUATE AISLE SPACE. EVIDENCE OF HISTORIC OIL STAINING ON THE UNPAVED AREA SURROUNDING METAL CONTAINER. CORRECTIVE ACTION: DISCONTINUE USE / STORAGE OF USED OIL CONTAINERS IN THE METAL CONTAINER. ACDEH RECOMMENDS FACILITY TO RELOCATE THE STORAGE/COLLECTION OF USED OIL INDOORS IF AT ALL POSSIBLE. PROVIDE EVIDENCE OF CORRECTION TO ACDEH WITHIN 30 DAYS OF THIS INSPECTION.

Violation Description:

Failure to maintain aisle space to allow the unobstructed movement of personnel, fire protection, spill control equipment, and decontamination equipment to any area of facility operation in an emergency, unless it can be demonstrated to the Department that aisle space is not needed for any of these purposes.

Violations

Violation Date: 04/24/2019 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 11 66261.7 - California Code of Regulations, Title 22, Chapter 11, Section(s) 66261.7
Violation Notes:

Returned to compliance on 08/29/2022. Several blue and white poly 55 gallon containers and one 5 gallon bucket (filled with oily rainwater) were observed on the north side of the mechanic's building without labels. Submit photos/documentation to this department demonstrating that the empty containers listed above have been marked with the date they were emptied and are being properly managed pursuant to 22 CCR 11 66261.7.

Violation Description:

Failure to manage empty containers greater than 5 gallons in capacity that previously held a hazardous material/waste in accordance with 22 CCR 11 66261.7 including but not limited to the following:

(e)(2)By reclaiming its scrap value onsite or shipping the container or inner liner to a person who reclaims its scrap value; or

(3) By reconditioning or re manufacturing the container or inner liner onsite for subsequent reuse, or shipping the container or inner liner to a person who reconditions or re-manufactures the container or inner liner; or

(4) By shipping the container or inner liner to a supplier or to another intermediate collection location for accumulation prior to managing the container or inner liner pursuant to subsections (e)(2) or (e)(3) of 22 CCR 11 66261.7; or

(i) By shipping the container or inner liner back to the supplier for the purpose of being refilled.

(f) A container or an inner liner removed from a container larger than five gallons in capacity which is managed pursuant to subsection (e) of 22 CCR 11 66261.7 shall be marked with the date it has been emptied and shall be managed within one year of being emptied.

Violations

Violation Date: 06/23/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 01/15/2016. OBSERVATION: A HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) HAS NOT BEEN RECEIVED BY THE CUPA BY SUBMITTING ELECTRONICALLY INTO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) . CORRECTIVE ACTION: SUBMIT THE BUSINESSS PLAN ELECTRONICALLY IN CERS AND IMPLEMENT IMMEDIATELY.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Enforcements

Enf Action Date: 04/13/2017
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 10/20/2015
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 10/20/2015
Enf Action Program: HW
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 12/17/2013
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 06/23/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

6-23-2015. ONSITE TO PERFORM A HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) INSPECTION AT D & D EQUIPMENT/FINE LINE 37651 SYCAMORE ST., NEWARK, CA 94560 AND MEET WITH TINA IBAY, OFFICE ADMINISTRATOR WHO GRANTED PERMISSION FOR THIS INSPECTION. D & D EQUIPMENT/FINE LINE IS CONCRETE CUTTING COMPANY/DEMOLITION, AND CONDUCTS REPAIR AND MAINTENANCE OF OWNED EQUIPMENT. GENERAL INSPECTION COMMENTS: THERE IS A CONCRETE SLURRY PIT ON SITE, CONTACT STATES MATERIAL DRIES AND WEEKLY DISPOSED AT THE LIVERMORE LANDFILL. HMBP LAST SUBMITTED 11/8/2012. DURING INSPECTION, FACILITY REPRESENTATIVE LOGGED INTO CERS TO REQUEST ACCESS AND BEGAN TO CREATE ONLINE ACCOUNT. OBSERVATIONS: 4 X OXYGEN CYLINDERS 249 CUBIC FEET 1 X ACETYLENE CYLINDER 381 CUBIC FEET 3 X PROPANE TANK (FORKLIFT SIZE) EACH 272 CUBIC FEET 4 X CO2/ARGON (CYLINDER APPROXIMATELY 45 INCHES TALL/6 INCHES WIDE. FACILITY TO CONFIRM CUBIC FEET FOR HMBP REPORTING) 3 X 55 GAL MOTOR OIL, 1 X 55 GAL HYDRAULIC FLUID 1 X 55 GAL [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/24/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Routine triennial HWG inspection. Facility is a Small Quantity Generator, 1-4 hazwaste handling employees, waste streams are used oil and used oil filters, and spent antifreeze.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/23/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection

Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

6-23-2015. ONSITE TO PERFORM A HAZARDOUS WASTE GENERATOR PROGRAM INSPECTION AT D & D EQUIPMENT/FINE LINE 37651 SYCAMORE ST., NEWARK, CA 94560 AND MEET WITH TINA IBAY, OFFICE ADMINISTRATOR WHO GRANTED PERMISSION FOR THIS INSPECTION. D&D EQUIPMENT/FINE LINE IS CONCRETE CUTTING COMPANY/DEMOLITION AND CONDUCTS REPAIR AND MAINTENANCE OF OWNED EQUIPMENT. GENERAL INSPECTION COMMENTS/OBSERVATIONS: THERE IS A CONCRETE SLURRY PIT ON SITE, CONTACT STATES MATERIAL DRIES AND PICKED UP WEEKLY FOR DISPOSAL AT THE LIVERMORE LANDFILL. HAZARDOUS WASTE VENDOR IS RCA OIL WITH LAST CONSOLIDATED WASTE PICK-UP ON APRIL 9, 2015 OF 110 GAL USED OIL. INTERVIEW WITH STAFF CONVEYED RE-USE OF OIL PRODUCT DRUMS FOR USE OF VACUUM FOR CONCRETE CUTTING SLURRY. ACDEH ADVISES AS BEST MANAGEMENT PRACTICES AND TO USE CORRECT TYPE OF DRUM (OPEN HEAD) SO THAT DRUM CAN PROPERLY CLOSE FOR TRANSPORTATION. ACDEH RECOMMENDS METAL DRUMS FOR STORING USED OIL. CERTIFICATION OF RETURN TO COMPLIANCE I [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/29/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspector Luke Voropaeff was onsite to conduct a routine Hazardous Waste Generator inspection. Consent to inspect was provided by the vice president, Devin Corcoran. D&D Equipment/Fine Line generates less than 1000 kg of hazardous waste each month. Observed hazardous waste streams included waste oil, waste antifreeze, drained used oil filters, and universal waste. They do not qualify as a Conditionally Exempt Small Quantity Universal Waste Generator because they do not manage/dispose of their unusable aerosol as universal waste. An Aerosol Can Waste Management handout and Universal Waste Fact Sheet will be provided to the facility with a copy of this report. The inspection report was not written onsite due to Alameda County CUPA's social distancing policy during the COVID-19 pandemic. It was emailed to devincorcoran@earthlink.net and tita.flsd@yahoo.com on 7/8/2022.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 04/24/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine triennial HMBP inspection. Business provides demolition and concrete cutting services.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 05/21/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

GENERATE NIV NOV LTR/ADDING VIOLATION IN EC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/10/2019
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 08/15/2022
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/13/2017
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER/ADD VIOLATION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/29/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspector Luke Voropaeff was onsite to conduct a routine Hazardous Materials Business Plan (HMBP) inspection. Consent to inspect was provided by the vice president, Devin Corcoran. The inspection report was not written onsite due to Alameda County CUPA's social distancing policy during the COVID-19 pandemic. It was emailed to devincorcoran@earthlink.net and tita.flsd@yahoo.com on 7/8/2022.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/17/2013
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

ENTER HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Operator
Entity Name: Dennis Coprcoran
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 793-6700

Affil Type Desc: Property Owner
Entity Name: Aziz Shariat
Entity Title:
Address: 300 Lindenbrook Ct
City: Woodside
State: CA
Country: United States

Zip Code: 94562
Phone: (510) 742-8800

Affil Type Desc: Legal Owner
Entity Name: Dennis Corcoran
Entity Title:
Address: 37651 SYCAMORE ST
City: NEWARK
State: CA
Country: United States
Zip Code: 94560
Phone: (510) 793-6700

Affil Type Desc: Parent Corporation
Entity Name: D & D EQUIPMENT/FINE LINE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Tita Tandoc
Entity Title: Accounting
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Gustavo Rodriguez
Entity Title:
Address: 37651 SYCAMORE ST
City: NEWARK
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 37651 SYCAMORE ST
City: NEWARK
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Document Preparer
Entity Name: Tita Tandoc
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Coordinates

Env Int Type Code:	HMBP	**Longitude:**	-122.029820
Program ID:	10188733	**Coord Name:**	
Latitude:	37.525580	**Ref Point Type Desc:**	Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	1 of5	W	0.10 / 528.23	18.88 / 0	TIRE DISTRIBUTION SYSTEMS INC 6995 CENTRAL AVE NEWARK CA 94560	RCRA SQG

EPA Handler ID: CAP000068965
Gen Status Universe: Small Quantity Generator
Contact Name: BOB BERISTIANOS
Contact Address: 140 HEGENGERGER LOOP , , OAKLAND , CA, 94621 , US
Contact Phone No and Ext: 510-569-8769
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20000329
Location Latitude: 37.525266
Location Longitude: -122.030852

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20000329
Handler Name: TIRE DISTRIBUTION SYSTEMS INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: TIRE DISTRIBUTION SYSTEMS INC
Date Became Current:
Date Ended Current:
Phone: 303-422-2300
Source Type: Notification

Street No:
Street 1: 11900 W 44TH AVE
Street 2:
City: WHEATRIDGE
State: CO
Country:
Zip Code: 80033

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
22	2 of5	W	0.10 / 528.23	18.88 / 0	VIVID INC 6995 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000454686
Gen Status Universe: No Report
Contact Name: KEITH LOUGH
Contact Address: 650 N 11TH ST , , SAN JOSE , CA, 95112 ,
Contact Phone No and Ext: 408-966-0214
Contact Email: KLOUGH@VIVIDINC.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20200521
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20200521
Handler Name: VIVID INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	180 E SUNNYOAKS AVE BLDG 1
Name:	VIVID INC	***Street 2:***	
Date Became Current:		***City:***	CAMPBELL
Date Ended Current:		***State:***	CA
Phone:	408-489-9495	***Country:***	
Source Type:	Implementer	***Zip Code:***	95008
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	650 N 11TH ST
Name:	KEITH LOUGH	***Street 2:***	
Date Became Current:		***City:***	SAN JOSE
Date Ended Current:		***State:***	CA
Phone:	408-966-0214	***Country:***	
Source Type:	Implementer	***Zip Code:***	95112

22	*3 of5*	*W*	*0.10 / 528.23*	*18.88 / 0*	***GIANT BULL CUSTOM AUTO HOUSE.*** ***6995 CENTRAL AVE UNIT C*** ***NEWARK CA 94560***	***RCRA NON GEN***

EPA Handler ID:	CAC003078640
Gen Status Universe:	No Report
Contact Name:	SHUN GUO
Contact Address:	37600 SYCAMORE STREET , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-330-8888
Contact Email:	OMAR.EBUMOTORS@GMAIL.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20200810
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 20200810
Handler Name: GIANT BULL CUSTOM AUTO HOUSE.
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	37600 SYCAMORE STREET
Name:	SHUN GUO	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-330-8888	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37600 SYCAMORE STREET
Name:	SHUN GUO	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-330-8888	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

22	4 of5	W	0.10 / 528.23	18.88 / 0	GIANT BULL INC 6995 CENTRAL AVE UNIT C NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAC003105815
Gen Status Universe: No Report
Contact Name: SHUN GUO
Contact Address: 6995 CENTRAL AVE UNIT C , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-793-9279
Contact Email: OMAR.EBUMOTORS@GMAIL.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20210216
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210216
Handler Name:	GIANT BULL INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	6995 CENTRAL AVE UNIT C
Name:	SHUN GUO	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-793-9279	***Country:***	
Source Type:	Implementer	***Zip Code:***	94560
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	37600 SYCAMORE STREET
Name:	SHUN GUO	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-793-9279	***Country:***	
Source Type:	Implementer	***Zip Code:***	94560

22	***5 of5***	***W***	***0.10 / 528.23***	***18.88 / 0***	***GIANT BULL CUSTOM AUTO HOUSE 6995 CENTRAL AVE UNIT C NEWARK CA 94560***	***RCRA NON GEN***

EPA Handler ID:	CAL000472500
Gen Status Universe:	No Report
Contact Name:	MOHAMMAD OMAR TAHIB
Contact Address:	37600 SYCAMORE ST , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-793-9279
Contact Email:	GIANTBULLCUSTOMAUTOHOUSE@GMAIL.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20220811
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No

Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20220811
Handler Name:	GIANT BULL CUSTOM AUTO HOUSE
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	36565 FREMONT BLVD
Name:	GIANT BULL INC	**Street 2:**	
Date Became Current:		**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-379-5699	**Country:**	
Source Type:	Implementer	**Zip Code:**	94536
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37600 SYCAMORE ST
Name:	MOHAMMAD OMAR TAHIB	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-793-9279	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

23	1 of18	SW	0.11 / 554.63	16.76 / -2	**CARGILL SALT** **7220 CENTRAL AVENUE** **NEWARK CA 94560**	RCRA LQG

EPA Handler ID:	CAD009134438
Gen Status Universe:	Large Quantity Generator
Contact Name:	KELLY W DOWNING
Contact Address:	7220 , CENTRAL AVENUE , , NEWARK , CA, 94560 , US
Contact Phone No and Ext:	510-790-8625
Contact Email:	KELLY_DOWNING@CARGILL.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20220526
Location Latitude:	37.514838
Location Longitude:	-122.048223

Violation/Evaluation Summary

Note:	VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	Generators - General
Violation Type:	262.A

Violation Determined Date: 20211118
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20211118
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20211118
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20220111
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20180606
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180705
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20180606
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180703
Violation Responsible Agency: State

Violation Details

Found Violation: Yes
Citation: F - 262.30-34.C
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19980313
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980416
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 114
Enforcement Type Description:
Enforcement Action Date: 19980430
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20211118
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20220111
Evaluation Agency: State

Evaluation Start Date: 20211118
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20211118
Evaluation Agency: State

Evaluation Start Date: 20180606
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20180703
Evaluation Agency: State

Evaluation Start Date: 20180606
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20180705
Evaluation Agency: State

Evaluation Start Date: 20031230
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 20031205
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State Contractor/Grantee

Evaluation Start Date: 19980313
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19980416
Evaluation Agency: EPA

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19940330
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19980429
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19990304
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20020219
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060206
Handler Name: CARGILL SALT
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20060206
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20080310
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100610
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20130221
Handler Name: CARGILL
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002

Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20160222
Handler Name: CARGILL
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20200609
Handler Name: CARGILL
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20200610
Handler Name: CARGILL
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002

Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20220526
Handler Name: CARGILL SALT
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	343
Waste Code Description:	Unspecified organic liquid mixture
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	512
Waste Code Description:	Other empty containers 30 gallons or more
Hazardous Waste Code:	513
Waste Code Description:	Empty containers less than 30 gallons
Hazardous Waste Code:	551
Waste Code Description:	Laboratory waste chemicals
Hazardous Waste Code:	614
Waste Code Description:	Treated wood waste
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D035
Waste Code Description:	METHYL ETHYL KETONE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	BRET SCHUTTPELZ	***Street 2:***	
Dt Became Current:	20090101	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	GENE CHAUFFE	***Street 2:***	
Dt Became Current:	20061001	***City:***	
Dt Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	CARGILL SALT	**Street 2:**	
Dt Became Current:	19780101	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	15407
Type:	Private	**Street 1:**	MCGINTY ROAD
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19781001	**City:**	WAYZATA
Dt Ended Current:		**State:**	MN
Phone:	952-742-7575	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	55391

Owner/Operator Ind:	Current Owner	**Street No:**	15407
Type:	Private	**Street 1:**	MCGINTY ROAD
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19781001	**City:**	WAYZATA
Dt Ended Current:		**State:**	MN
Phone:	952-742-7575	**Country:**	US
Source Type:	Notification	**Zip Code:**	55391

Owner/Operator Ind:	Current Operator	**Street No:**	7220
Type:	Private	**Street 1:**	CENTRAL AVENUE
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19781001	**City:**	NEWARK
Dt Ended Current:		**State:**	CA
Phone:	510-790-8625	**Country:**	US
Source Type:	Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	CARGILL SALT	**Street 2:**	
Dt Became Current:	19780101	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	7220
Type:	Private	**Street 1:**	CENTRAL AVENUE
Name:	CARGILL	**Street 2:**	
Dt Became Current:		**City:**	NEWARK
Dt Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	7220
Type:	Private	**Street 1:**	CENTRAL AVENUE
Name:	CARGILL SALT	**Street 2:**	
Dt Became Current:	20220526	**City:**	NEWARK
Dt Ended Current:		**State:**	CA
Phone:	510-790-8625	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	15407 MCGINTY RD WEST
Name:	CARGILL, INCORPORATED	**Street 2:**	
Dt Became Current:	19780101	**City:**	WAYZATA
Dt Ended Current:		**State:**	MN
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	55391-2399

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	15407 MCGINTY RD WEST
Name:	CARGILL INC	**Street 2:**	
Dt Became Current:		**City:**	WAYZATA

Dt Ended Current:		**State:**	MN
Phone:	612-742-7575	**Country:**	
Source Type:	Notification	**Zip Code:**	55391
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	GENE CHAUFFE	**Street 2:**	
Dt Became Current:	20061001	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	15407 MCGINTY ROAD
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19780601	**City:**	WAYZATA
Dt Ended Current:		**State:**	MN
Phone:	952-742-7575	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	55391
Owner/Operator Ind:	Current Owner	**Street No:**	15407
Type:	Private	**Street 1:**	MCGINTY ROAD WEST
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19780101	**City:**	WAYZATA
Dt Ended Current:		**State:**	CA
Phone:	952-742-7575	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	55391
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19781001	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	15407 MCGINTY RD WEST
Name:	CARGILL, INCORPORATED	**Street 2:**	
Dt Became Current:	19780101	**City:**	WAYZATA
Dt Ended Current:		**State:**	MN
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	55391-2399
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	15407 MCGINTY ROAD WEST
Name:	CARGILL	**Street 2:**	
Dt Became Current:	19780601	**City:**	WAYZATA
Dt Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	55391

Historical Handler Details

Receive Dt:	20200610
Generator Code Description:	Large Quantity Generator
Handler Name:	CARGILL
Receive Dt:	20200609
Generator Code Description:	Large Quantity Generator
Handler Name:	CARGILL
Receive Dt:	20160222
Generator Code Description:	Large Quantity Generator
Handler Name:	CARGILL
Receive Dt:	20130221
Generator Code Description:	Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Name: CARGILL

Receive Dt: 20100610
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 20080310
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 20060206
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 20060206
Generator Code Description: Small Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 20020219
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 19990304
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 19980429
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Receive Dt: 19940330
Generator Code Description: Large Quantity Generator
Handler Name: CARGILL SALT

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	2 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7200 CENTRAL AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: SL0600192948
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444302
RWQCB Region (DL):
Longitude:
Latitude:
Address: 7200 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0470
Local Case No: 0461
Begin Date: 11/24/1998
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker:

Military DoD Site: No
Leak Reported Dt:
No Further Action Dt: 1998-11-24 00:00:00
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 51-55%
Calenviroscreen 4 Score: 45-50%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1998-11-24 00:00:00

Status: Open - Case Begin Date
Status Date: 1998-11-24 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600192948
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 11/24/1998
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0461
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0470
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600192948&tabname=regulatoryhistory

Site History:

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/27/2013
Received Issue Date: 9/27/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600192948&enforcement_id=6177742&temptable=ENFORCEMENT
Title Description Comments:

Regional Water Quality Control Board (Toxics Cleanup Division) Supplemental Comments on the Newark General Plan Tune Up, Draft EIR dated Aug. 13, 2013

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 7/9/1998
Received Issue Date: 7/9/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600192948&doc_id=5871421
Title Description Comments:

Soil Removal and Closure Report

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
Document Date: 9/27/2013
Submitted:
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: REGIONAL WATER QUALITY CONTROL BOARD (TOXICS CLEANUP DIVISION) SUPPLEMENTAL COMMENTS ON THE NEWARK GENERAL PLAN TUNE UP, DRAFT EIR DATED AUG. 13, 2013
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600192948&enforcement_id=6177742

Document Type: Site Documents
Type: OTHER REPORT / DOCUMENT
Document Date: 7/9/1998
Submitted:
Submitted By: CAROLYN LAM (REGULATOR)
Title: SOIL REMOVAL AND CLOSURE REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600192948&document_id=5871421

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Case Begin Date
Date: 11/24/1998

Status: Completed - Case Closed
Date: 11/24/1998

23	3 of18	SW	0.11 / 554.63	16.76 / -2	LESLIE SALT COMPANY 7200 CENTRAL AVE NEWARK CA 94560	DELISTED LST

Delisted Delisted Leaking Storage Tanks

Global ID: T0600102192
Status: OPEN - VERIFICATION MONITORING
Status Date: 10/22/2020
Case Type: LUST CLEANUP SITE
County: ALAMEDA
Latitude: 37.5225383
Longitude: -122.0308433
Oil Field:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Census Trace: **Oil Field Operator:**
RWQCB Region:
Date Source: LUST Cleanup Sites & Military UST Site from GeoTracker Project Search Results Export; LUST Cleanup Sites & Military UST Site from GeoTracker Cleanup Sites Data Download

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23	4 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7220 CENTRAL AVE. NEWARK CA	AST

Total Capacity(Gal): 24300 **Owner Name:** CARGILL SALT DIVISION
CUPA: Alameda **County:** Alameda

23	5 of18	SW	0.11 / 554.63	16.76 / -2	PLANT 2 7220 CENTRAL AVE NEWARK CA 94560	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000360e2.pdf

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23	6 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7220 CENTRAL AVE NEWARK CA 94560	CERS TANK

Site ID: 389366
Latitude: 37.521267
Longitude: -122.029120

Regulated Programs

EI ID: 10002493
EI Description: Chemical Storage Facilities

EI ID: 10002493
EI Description: RCRA LQ HW Generator

EI ID: 10002493
EI Description: Hazardous Waste Generator

EI ID: 10002493
EI Description: Aboveground Petroleum Storage

Violations

Violation Date: 06/06/2018 **Violation Source:** CERS
Violation Program: HWLQG **Violation Division:** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 07/05/2018. OBSERVATIONS: 1. Facility generally manages most hazardous waste as satellite accumulation areas. The labels that are currently being used are missing the following: name and address of the generator, the composition and physical state of the waste and the hazardous properties of the waste. 2. One mobile used oil cart in the Maintenance Area is missing a hazardous waste label. CORRECTIVE ACTIONS: 1. Relabel all drums of hazardous waste that have satellite accumulation labels with the correct information. Submit a photo of several drums labeled with the new labels. 2. Label the mobile used oil cart with a completed hazardous waste label. Submit a photo of this correction.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 01/11/2022. The facility failed to update it's business plan (in CERS) within 30 days of adding/handling the following hazardous materials: 1. Acetylene – 2,452 cubic feet (multiple cylinders) – Compressed Gas Storage (storeroom) 2. Argon/carbon dioxide – 1,419 cubic feet (multiple cylinders) – Compressed Gas Storage (storeroom) 3. Argon/carbon dioxide/helium – 718 cubic feet (multiple cylinders) – Compressed Gas Storage (storeroom) 4. WD-40 – 55 gallons (one drum) – Storeroom 5. Argon/carbon dioxide – 218 cubic feet (two 109-cubic foot cylinders) – Maintenance Shop 6. Argon/carbon dioxide – 381 cubic feet (one cylinder) – Behind the Maintenance Shop (outside) 7. Used oil – 110 gallons (two 55-gallon drums) – Behind the Maintenance Shop (outside) 8. Diesel Exhaust Fluid (DEF) – 37.5 gallons (fifteen 2.5-gallon containers) – Solar Heavy Equipment Repair Shop (adjacent) 9. Used oil – 110 gallons (two 55-gallon drums) – Solar Heavy Equipment Repair... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 10/23/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Business Plan Program - Administration/Documentation - General

Violations

Violation Date: 06/26/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/31/2018. OBSERVATION: In the SPPC Plan and Monthly tank inspection logs, it is not clear what secondary containment structure was being inspected. The old gasoline tank was single walled steel contained in a concrete bermed area; the new gasoline tank is constructed as double walled steel/concrete with integral secondary containment and interstitial space. CORRECTIVE ACTION: Training shall emphasize and clarify what structure comprises secondary containment for any and all tanks that are subject to sized secondry containment (e.g. gasoline tank with intergal secondary containment vs. concrete wall). Transmit the updated SPPC Plan portion discussing secondary containment along with updated training noting secondary containment.

Violation Description:

Failure to provide the following training to all oil-handling personnel:

1. Operation and maintenance of equipment to prevent discharges.

2. Discharge procedure protocols.

3. Applicable pollution control laws, rules, and regulations.

4. General facility operations.

5. Contents of the SPCC Plan.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/29/2018. OBSERVATIONS: The last submittal in CERS was on May 2, 2017. Prior to that, the previous full submittal was on February 26, 2015. Facility was also mailed a Notice of Violation for failure to submit a HMBP annually on April 13, 2017. Facility is to review and to resubmit to CERS annually. CORRECTIVE ACTIONS: Update and resubmit the HMBP in CERS. Ensure that a full submittal is made annually.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 01/11/2022. The following hazardous materials were not included in the chemical inventory found in CERS: 1. Acetylene – 2,452 cubic feet (multiple cylinders) – Compressed Gas Storage (storeroom) 2. Argon/carbon dioxide – 1,419 cubic feet (multiple cylinders) – Compressed Gas Storage (storeroom) 3. Argon/carbon dioxide/helium – 718 cubic feet (multiple cylinders) – Compressed Gas Storage (storeroom) 4. WD-40 – 55 gallons (one drum) – Storeroom 5. Argon/carbon dioxide – 218 cubic feet (two 109-cubic foot cylinders) – Maintenance Shop 6. Argon/carbon dioxide – 381 cubic feet (one cylinder) – Behind the Maintenance Shop (outside) 7. Used oil – 110 gallons (two 55-gallon drums) – Behind the Maintenance Shop (outside) 8. Diesel Exhaust Fluid (DEF) – 37.5 gallons (fifteen 2.5-gallon containers) – Solar Heavy Equipment Repair Shop (adjacent) 9. Used oil – 110 gallons (two 55-gallon drums) – Solar Heavy Equipment Repair Shop (adjacent) 10. Magnesium Car... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 10/23/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.196 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.196
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to properly respond to a spill/leak with the following requirements:
a) General emergency procedures as required in section 66265.56.
b) Cessation of use; prevention of flow or addition of wastes into the tank system or secondary containment system and inspect the system to determine the cause of the release.
c) Removal of waste from tank system or secondary containment system.
1) If the release was from the tank system, the owner or operator shall, within 24 hours after detection of the leak or, if the owner or operator demonstrates that that is not possible, at the earliest practicable time remove as much of the waste as is necessary to prevent further release of hazardous waste to the environment and to allow inspection and repair of the tank system to be performed.
2) If the release was to a secondary containment system, all released materials shall be removed within 24 hours or in as timely a manner as is possible to prevent harm to human health and the environment.
d) The owner or operator shall immediately conduct a visual inspection of the release and, based upon that inspection:
1) Prevent further migration of the leak or spill to soils or surface water; and
2) Remove, and properly dispose of, any visible contamination of the soil or surface water.
e) Notifications, reports.
1) Any release to the environment, except as provided in subsection e)2) of this section, shall be reported within 24 hours of detection.
2) A leak or spill of hazardous waste is exempted from the requirements of subsection (e) of this section, but is not exempted from the requirements of section 66265.56, if it is:
A) Less than or equal to a quantity of one (1) pound, and

B) Immediately contained and cleaned-up.
3) Within 30 days of detection of a release to the environment, a report containing the following information shall be submitted:
A) Likely route of migration of the release;
B) Characteristics of the surrounding soil (soil composition, geology, hydrogeology, climate);
C) Results of any monitoring or sampling conducted in connection with the release, (if available). If sampling or monitoring data relating to the release are not available within 30 days, these data shall be submitted as soon as they become available;
D) Proximity to downgradient drinking water, surface water, and population areas; and
E) Description of response actions taken or planned.
f) Provision of secondary containment, repair, or closure.
1) Unless the owner or operator satisfies the requirements of subsections f)2) through 4) of this section, the tank system shall be closed in accordance with section 66265.197.
2) If the cause of the release was a spill that has not damaged the integrity of the system, the owner/operator may return the system to service as soon as the released waste is removed and repairs, if necessary, are made.
3) If the cause of the release was a leak from the primary tank system into the secondary containment system, the system shall be repaired prior to returning the tank system to service.
4) If the source of the release was a leak to the environment from a component of a tank system without secondary containment, the owner/operator shall provide the component of the system from which the leak occurred with secondary containment that satisfies the requirements of section 66265.193 before it can be returned to service, unless the source of the leak is an aboveground portion of a tank system. If the source is an aboveground component that can be inspected visually, the component shall be repaired and may be returned to service without secondary containment as long as the requirements of subsection g) of this section are satisfied. If a component is replaced to comply with the requirements of this subsection, that component shall satisfy the requirements for new tank systems or components in sections 66265.192 and 66265.193. Additionally, if a leak has occurred in any portion of a tank system component that is not; Note: data in [Violation Description] field for some records is truncated from the source.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Notes:

Returned to compliance on 07/05/2018. OBSERVATIONS: Several secondary containment pallets that stored hazardous waste had liquid in them and one fire extinguisher next to the 10,000 gallon diesel AST needed to be recharged. CORRECTIVE ACTIONS: Clean out all secondary containment pallets and ensure they are kept clean and dry. The fire extinguisher was replaced during this inspection.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 11/18/2021. HMBP training records for 2020 were incomplete because of personnel changes and the COVID-19 pandemic. Training records for 2019 and 2021 were available on site. Corrected onsite since 2021 documentation was provided. Maintain HMBP training records onsite for a minimum of three (3) years.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 01/11/2022. Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container. The gasoline and diesel tanks are mis-reported on the SPCC plan. The gasoline tank is 2,000 gallons and the diesel tank is 10,000 gallons. The 1,000-gallon oily

water tank is not included in the SPCC plan (or in Table 4). Update SPCC plan with the correct volumes for the new gasoline and diesel tanks in Table 4 and any other table where the volume is incorrect. Add oily water tank to the SPCC plan. Submit corrected tables to me within 30 days.

Violation Description:

Failure to address in the SPCC Plan the type of oil and storage capacity for each fixed container.
For mobile or portable containers, either provide the type of oil and storage capacity, or an estimate of the potential number of mobile or portable containers, the types of oil, and anticipated storage capacities.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/29/2018. OBSERVATIONS: The April 2017 Emergency Action Plan submitted to CERS needs to update the Emergency Contact list on page 5 and should add the list of agencies that are to be contacted in case of a spill. Page 15 refers to contacting Morton Salt in case of an emergency but Morton Salt is no longer there. CORRECTIVE ACTIONS: Update the Emergency Action Plan and resubmit it to CERS.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 06/26/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

Returned to compliance on 07/31/2018. OBSERVATION: SPCC Plan Table 1 listing amendments to the Plan was blank. Amendments to the SPCC Plan appera to have been made in 2011, 2014, and 2018. CORRECTIVE ACTION: SPCC Plan Table 1 requires record of review for all previous SPCC Plans. Transmit the completed Table 1 to ACDEH Inspector within 30 days.

Violation Description:

Failure to amend the SPCC Plan within 6 months:
1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility's discharge potential. AND/OR
2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 05/20/2022. Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards. SPCC includes inspection checklists for monthly and annual inspections for the diesel and gasoline tanks. However, no annual inspections have been performed. Also, the 10,000 gallon tank will be required to have an external Steel tank institute (STI) inspection every 20 years, yet the date of installation is not in the SPCC plan. Perform annual inspections for the 10,000-gallon diesel, and 2,000-gallon gasoline tank. Add the 20 year STI inspection to the SPCC plan and the date of install to the SPCC plan. Submit test results to ACDEH by January 12, 2022.

Violation Description:

Failure to ensure that tanks are inspected and tested by an appropriately qualified person in accordance with industry standards.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS

Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/29/2018. OBSERVATIONS: The Secondary Emergency Contact person listed on the Business Owner Identification form. CORRECTIVE ACTIONS: Update the Secondary Emergency Contact person in CERS.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 01/11/2022. The locations of the following hazardous materials are not accurately depicted in the site map: 1. Magnesium Carbonate - approx. 37,125 pounds (~675 25kg bags) - Warehouse 2 2. Sodium Hexametaphosphate - approx. 17,500 pounds (6 pallets, 2701 pounds each) - Warehouse 2 3. Sodium Ferrocyanide - 4,400 pounds (80 25kg bags) - Warehouse 2 4. Magnesium Carbonate - approx. 4,125 pounds (~75 25kg bags) - Refinery (3rd floor) 5. Sodium Hexametaphosphate - 8,103 pounds (3 pallets, 2701 pounds each) - Refinery (3rd floor) 6. Used oil - 55 gallons (one drum) - Refinery (1st floor) Add the locations of these hazardous materials to the site map and submit to CERS by 1/12/2022.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.31 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.31
Violation Notes:

Returned to compliance on 01/11/2022. Secondary containment for the used oil drums in the solar heavy equipment maintenance shop contained oil. Clean secondary containment pallets in the solar heavy equipment maintenance shop and send photo documentation to ACDEH by January 12, 2022.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 10/23/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Business Plan Program - Operations/Maintenance - General

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/29/2018. OBSERVATIONS: The HMBP has not been adequately completed and electronically submitted to CERS by the following: 1. The HMBP was last submitted 5/2/2017. 2. The chemical inventory needs to be updated. 3. The Secondary Emergency Contact person needs to be updated on the Business Owner Identification form. 4. Emergency Contacts listed on page 5 of Cargill's Emergency Action Plan needs to be updated. Plan is missing contact list of agencies to be contacted in case of an emergency. CORRECTIVE ACTIONS: 1. Update and resubmit the HMBP to CERS. Ensure that the plan is submitted annually. 2. Update and resubmit the chemical inventory in CERS as directed by violation #4. 3. Update and resubmit the Secondary Emergency Contact person in CERS. 4. Update and resubmit the Emergency Action Plan and ensure it includes a list of agencies that are to be contacted in case of an emergency.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 11/18/2021. SPCC training records were provided for 2019 and 2021 but no records were availbale for 2020 due to the Pandemic and the training personnel who left. Corrected onsite. Records for 2021 were provided. Ensure that all records of training are maintained.

Violation Description:

Failure to conduct spill prevention briefing for oil-handling personnel at least once a year to assure adequate understanding of the SPCC Plan.

Violations

Violation Date: 04/13/2017 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 05/02/2017.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 03/29/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Returned to compliance on 05/09/2022.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 06/29/2018. OBSERVATIONS: DEF has not been reported to CERS. CORRECTIVE ACTIONS: Facility is to update CERS within 30 days if changes occur to the chemical inventory. Submit a written statement that this will occur in the future.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 07/03/2018. OBSERVATIONS: 1. Secondary containment pallets outside the Store Room, the Solar Maintenance area, and near the brine tanks by the Low Sulfate Room have liquid in them. 2. An acetylene cylinder in the outside maintenance shed is very rusted and not in use. 3. A fire extinguisher next to the 10,000 gallon diesel AST needs to be recharged. 4. Satellite accumulation labels do not contain all of the required information. 5. One blue 55 gallon drum of defoamer is not labeled with its contents. 6. Empty steel and plastic drums stored near the Hazardous Waste Storage area are not labeled as empty. CORRECTIVE ACTIONS: 1. Clean out the secondary containment pallets and ensure they are kept clean and dry. 2. Manage the rusted acetylene cylinder in the outside maintenance shed. Submit a written statement saying how this cylinder was managed. 3. The fire extinguisher was replaced during this inspection. No further action is required. 4. Update the satellite [Truncated]

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 01/11/2022. Failure to complete and maintain at the facility the Substantial Harm Criteria certification form when the owner or operator determined that the facility could not be reasonably expected to cause substantial harm to the environment. Complete and maintain at the facility the Substantial Harm Criteria certification form. Add to SPCC plan. Send Copy of the Substantial harm criteria to ACDEH by January 12, 2022.

Violation Description:

Failure to complete and maintain at the facility the Substantial Harm Criteria certification form when owner or operator determines that the facility could not be reasonably expected to cause substantial harm to the environment.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Notes:

Returned to compliance on 11/18/2021. The 2020 training for hazardous waste generator was not available for review due to personnel changes and the Pandemic. The 2019 and 2021 training documentation and training matrix were available. Corrected onsite since 2021 documentation was provided. Ensure that hazardous waste training is performed and documented each year.

Violation Description:

Failure to provide employees with hazardous waste training program of class room instructions or on-the-job training within the first six months after the date of their employment or assignment to a facility, or to a new position at a facility and annually thereafter. Training records on current personnel shall be kept until closure of the facility and for former employees the record shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.52 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.52
Violation Notes:

Returned to compliance on 06/29/2018. OBSERVATIONS: The April 2017 Emergency Action Plan needs to be revised to include an updated list of Emergency Contacts on page 5. CORRECTIVE ACTIONS: Update the plan with the correct contact people. Resubmit it to CERS.

Violation Description:

Failure to include all of the following in the Contingency Plan: description of actions personnel will take in response to a release or emergency, arrangements with local authorities, list of emergency coordinators including name, addresses & phone numbers, list of emergency equipment and their physical description, location and capabilities, evacuation plan, and OES phone number. (If the owner or operator has already prepared a Spill Prevention, Control, and Countermeasures (SPCC) Plan or some other emergency or contingency plan, the owner or operator need only amend that plan to incorporate hazardous waste management provisions.)

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 05/20/2022. Liquid level sensing devices should be tested annually to ensure they are reading properly. Since the annual inspection is not being performed. Test level sensing devices to ensure proper working order in accordance with STI protocol, send test results to ACDEH by January 12, 2022.

Violation Description:

Failure to regularly test liquid level sensing devices to ensure proper operation.

Violations

Violation Date: 06/05/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 06/29/2018.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/26/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Notes:

Returned to compliance on 07/31/2018. OBSERVATION: Table 2 requires recordation of SPCC Plan 5 year reviews; this Table 2 was blank. CORRECTIVE ACTION: Update Table 2 to include recordation of SPCC Plan 5 year reviews. Transmit updated Table 2 to ACDEH Inspector within 30 days.

Violation Description:

Failure to complete a review and evaluation of the SPCC Plan at least once every five years, document the completion of the review, and sign a statement as to whether the SPCC Plan will be amended.

Violations

Violation Date: 11/18/2021 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Notes:

Returned to compliance on 01/11/2022. Used oil and/or fuel filters were observed with open lids and satellite accumulation label on the drum, also paper and metal filters were in the same container. Paper filters are hazardous waste and metal filters are recyclable and should be placed in separate drums. Maintain all drums closed unless actively adding or removing waste, separate paper and metal filters and label paper filters as hazardous waste and metal filters with used oil filters. Submit photo documentation to ACDEH by January 12, 2022 (Approximately 30 days from ACDEH's paperwork review).

Violation Description:

Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violations

Violation Date: 06/26/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/31/2018. OBSERVATION: In the SPCC Plan Section 3.3 refers to "diked structures". No petroleum containing tanks/containers appeared to be contained in diked structures as the secondary containment. All tanks/containers secondary containment are integral double walled or contained within a building. CORRECTIVE ACTION: In the SPCC Plan, explain what is this diked structure, where is it located, and what tanks are being contained with the diked structure. Transmit the updated Section 3.3 to ACDEH Inspector within 30 days.

Violation Description:

Failure to adequately discuss in the SPCC Plan facility drainage or drainage controls such as secondary containment around containers and other structures, equipment, and procedures for the control of a discharge.

Violations

Violation Date: 10/23/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.16 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.16
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to provide employees within the first six months after the date of their employment, or assignment to the facility, or to work unsupervised, or to a new position at a facility with hazardous waste training to ensure employees are competent in the following areas: hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed, emergency response and emergency equipment, and procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment. In addition, the owner/operator shall ensure facility personnel take part in an annual review of the initial training and training records training records on current personnel shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. The records shall include the following: the job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job; a written job description for each position, duties of facility personnel assigned to each position, and a written description of the type and amount of both introductory and continuing training that will be given to each person filling a position.

Violations

Violation Date: 10/23/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/26/2018 ***Violation Source:*** CERS
Violation Program: APSA ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Notes:

Returned to compliance on 07/31/2018. OBSERVATION: In the SPPC Plan and Monthly tank inspection logs, it is not clear what secondary containment structure was being inspected. The old gasoline tank was single walled steel contained in a concrete bermed area; the new gasoline tank is constructed as double walled steel/concrete with integral secondary containment and interstitial space. CORRECTIVE ACTION: Clarify what structure comprises secondary containment for any and all tanks that are subject to sized secondry containment (e.g. gasoline tank with intergal secondary containment vs. concrete wall). Transmit the updated SPPC Plan portion discussing secondary containment.

Violation Description:

Failure to comply with one or more of the following requirements:
1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector.
2. Keep written procedures and records of inspections and integrity tests for at least three years.
3. Keep comparison records.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HWLQG ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 15 66265.53 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.53
Violation Notes:

Returned to compliance on 07/03/2018. OBSERVATIONS: Facility has not submitted a copy of the Contingency Plan to local responding agencies (police, fire and hospital). CORRECTIVE ACTIONS: Facility is to submit copies of their Contingency Plan to local responding agencies. Submit a written statement saying this has been completed.

Violation Description:

Failure to maintain a copy of the contingency plan and all its revisions at the facility and to submit a copy to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

Violations

Violation Date: 10/23/2014 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 04/08/2015.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/06/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/11/2018. OBSERVATIONS: The chemical inventory in CERS needs the following corrections: 1. Update the largest container for the diesel to 10,000 gallons and the maximum daily amount to at least 11,680 gallons. 2. Add (2) x 55 gallons of DEF 3. Add all brine and low sulfate tanks. CORRECTIVE ACTIONS: Update and resubmit the entire HMBP to CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Enforcements

Enf Action Date: 03/23/2016
Enf Action Program: UNSPEC
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Enf Action Date: 04/13/2017
Enf Action Program: HMRRP
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Alameda County Environmental Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 10/23/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/18/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

Routine inspection conducted on this RCRA large quantity generator and escorted by Sean Riley (and MacKenzie Loesch for part of the inspection). Mr Riley informs us that the facility is LQG for removing buildings and generating lead and asbestos waste. The facility primarily generates waste from maintaining it's heavy machinery equipment.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/06/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HWLQG
Eval Source: CERS
Eval Notes:

On site today with Sean Riley and Todd McHugh, Environmental Managers for Cargill Salt and Jason Wong, Temporary Environmental Engineer. Mr. Riley granted permission to conduct the inspection. Manifests were reviewed for the last three years. All violations noted in this Hazardous Waste Generator inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame. CERTIFICATION OF RETURN TO COMPLIANCE I certify that the violation(s) noted in this Hazardous Waste Generator inspection report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected. Facility

Name: Cargill Salt Facility Address: 7220 Central Avenue, Newark, CA 94560 PRINT: _____ SIGN: _____ TITLE: _____ DATE: [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/18/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Facility maintains diesel tank for fueling heavy equipment, gasoline for vehicles, and new and used oil due to servicing heavy equipment. One person is assigned to inspect the tanks and maintain the inspection records. MOnthly records impeccably maintained for each tank.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/18/2021
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspectors Luke Voropaeff and Barbara Jakub were on site to conduct a routine Hazardous Materials Business Plan (HMBP) inspection. The facility walkthrough was conducted on 11/18/2021 and Barbara Jakub returned to review the HMBP paperwork on 12/9/2021. Consent to inspect was provided by the environmental manager, Sean Riley. The inspection report was not written on site due to Alameda County CUPA's social distancing policy during the COVID-19 pandemic. The report was emailed to the environmental manager on 12/13/2021.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/05/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

GENERATE NIV NOV LTR/ADDING VIOLATION IN EC; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/06/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site today with Sean Riley and Todd McHugh, Environmental Managers for Cargill Salt and Jason Wong, Temporary Environmental Engineer. Mr. Riley granted permission to conduct the inspection. All violations noted in this HMBP inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/29/2022
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 04/13/2017
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER/ADD VIOLATION; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/23/2014
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

INSPECTION.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/26/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: APSA
Eval Source: CERS
Eval Notes:

ABOVEGROUND PETROLEUM STORAGE ACT INSPECTION Cargill Salt 7220 Central Ave Newark, CA 94560 Aboveground Petroleum Storage Act (APSA) inspection conducted by Alameda County Department of Environmental Health (ACDEH) on June 26, 2018. Consent to inspect was given by and the completed inspection report was reviewed with Sean Riley and Todd McHugh. NOTES: a) Page 20, Section 4.2 notes spill tray will be placed under fill port connection points for tanks. This is an acceptable means for the spill containment for the fire pump diesel tank fill port. b) Fire pump diesel tank replaced 6 months ago (circa Jan. 2018). c) New 20,000 gallons convault diesel tank replaced about one year ago (circa Sept. 2017). d) Gasoline tank (double walled steel/contrete) replaced about one year ago (prior to diesel tank). e) Portable diesel tank 4178 missing vent cap for several months. Noted in June 2018 inspection reports as fixed per David Montejano. All violations in [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Identification Signer
Entity Name: Martin Macmillan
Entity Title: Complex Manger
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 7220 CENTRAL AVE.
City: NEWARK
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:

Address:	1131 Harbor Parkway, Suite 240
City:	Alameda
State:	CA
Country:	
Zip Code:	94502-6577
Phone:	(510) 567-6700
Affil Type Desc:	Property Owner
Entity Name:	Cargill
Entity Title:	
Address:	15407 McGinty Road West
City:	Wayzata
State:	MN
Country:	United States
Zip Code:	55391
Phone:	(952) 742-7575
Affil Type Desc:	Legal Owner
Entity Name:	Cargill Inc.
Entity Title:	
Address:	15407 McGinty Road West
City:	Newark
State:	CA
Country:	United States
Zip Code:	94560
Phone:	(952) 742-7575
Affil Type Desc:	Parent Corporation
Entity Name:	CARGILL SALT
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	
Affil Type Desc:	Operator
Entity Name:	Kelly Downing
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(510) 790-8100
Affil Type Desc:	Environmental Contact
Entity Name:	Nancy Stephenson
Entity Title:	
Address:	7220 Central
City:	Newark
State:	CA
Country:	
Zip Code:	94560
Phone:	
Affil Type Desc:	Document Preparer
Entity Name:	Nancy Stephenson
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Coordinates

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Env Int Type Code:	APSA	**Longitude:**	-122.029114
Program ID:	10002493	**Coord Name:**	
Latitude:	37.521263	**Ref Point Type Desc:**	Unknown

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	7 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7200 CENTRAL AVE NEWARK CA 94560	EMISSIONS

1990 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.5
CO:	1	**ROGT:**	.25742
Air Basin:	SF	**COT:**	2.3
District:	BA	**NOXT:**	9.9
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	12.6
CHAPIS:		**PM10T:**	6.35

1990 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1993 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.8
CO:	1	**ROGT:**	.38411
Air Basin:	SF	**COT:**	3.8
District:	BA	**NOXT:**	17.8
COID:	ALA	**SOXT:**	.1
DISN:	BAY AREA AQMD	**PMT:**	11.5
CHAPIS:		**PM10T:**	5.95

1993 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1995 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	1.7
CO:	1	**ROGT:**	1.16303
Air Basin:	SF	**COT:**	5.3

District:	BA	**NOXT:**	23.8
COID:	ALA	**SOXT:**	.1
DISN:	BAY AREA AQMD	**PMT:**	17.4
CHAPIS:		**PM10T:**	8.9

1995 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1996 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.9
CO:	1	**ROGT:**	.54188
Air Basin:	SF	**COT:**	6.8
District:	BA	**NOXT:**	11.8
COID:	ALA	**SOXT:**	.1
DISN:	BAY AREA AQMD	**PMT:**	17.3
CHAPIS:		**PM10T:**	8.85

1996 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1997 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.7
CO:	1	**ROGT:**	.34188
Air Basin:	SF	**COT:**	7
District:	BA	**NOXT:**	12.1
COID:	ALA	**SOXT:**	.1
DISN:	BAY AREA AQMD	**PMT:**	18.8
CHAPIS:		**PM10T:**	9.6

1997 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1998 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.8
CO:	1	***ROGT:***	.38411
Air Basin:	SF	***COT:***	7.3
District:	BA	***NOXT:***	12.3
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	21
CHAPIS:		***PM10T:***	10.75

1998 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

1999 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2988	***TOGT:***	.771
CO:	1	***ROGT:***	.4382651
Air Basin:	SF	***COT:***	7.221
District:	BA	***NOXT:***	12.221
COID:	ALA	***SOXT:***	.117
DISN:	BAY AREA AQMD	***PMT:***	23.054
CHAPIS:		***PM10T:***	12.321198

1999 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2988	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2988	***TOGT:***	.771
CO:	1	***ROGT:***	.44
Air Basin:	SF	***COT:***	7.221
District:	BA	***NOXT:***	12.221
COID:	ALA	***SOXT:***	.117
DISN:	BAY AREA AQMD	***PMT:***	23.054
CHAPIS:		***PM10T:***	12.32

2000 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2988	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	

Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	3519	**TOGT:**	.84
CO:	1	**ROGT:**	.5
Air Basin:	SF	**COT:**	7.34
District:	BA	**NOXT:**	12.78
COID:	ALA	**SOXT:**	.26
DISN:	BAY AREA AQMD	**PMT:**	27.32
CHAPIS:	Y	**PM10T:**	14.46

2001 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	3519	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	Y
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.833
CO:	1	**ROGT:**	.4898268
Air Basin:	SF	**COT:**	7.345
District:	BA	**NOXT:**	12.783
COID:	ALA	**SOXT:**	.258
DISN:	BAY AREA AQMD	**PMT:**	27.466
CHAPIS:	Y	**PM10T:**	13.8820011

2002 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	Y
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.594
CO:	1	**ROGT:**	.32
Air Basin:	SF	**COT:**	5.635
District:	BA	**NOXT:**	8.242
COID:	ALA	**SOXT:**	.094
DISN:	BAY AREA AQMD	**PMT:**	24.43
CHAPIS:	Y	**PM10T:**	12.28

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2003 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	8 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7220 CENTRAL AVE NEWARK CA 94560	EMISSIONS

2004 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.617
CO:	1	***ROGT:***	.3365443
Air Basin:	SF	***COT:***	5.894
District:	BA	***NOXT:***	8.47
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	25.681
CHAPIS:	Y	***PM10T:***	12.9408966

2004 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.617
CO:	1	***ROGT:***	.3365443
Air Basin:	SF	***COT:***	5.894
District:	BA	***NOXT:***	8.47
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	25.681
CHAPIS:	Y	***PM10T:***	12.9408966

2005 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			

Non-Cancer Acute Haz Ind:

2006 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.617
CO:	1	***ROGT:***	.3361546
Air Basin:	SF	***COT:***	5.893
District:	BA	***NOXT:***	8.551
COID:	ALA	***SOXT:***	.097
DISN:	BAY AREA AQMD	***PMT:***	46.818
CHAPIS:	Y	***PM10T:***	23.5114581

2006 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	Y
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.617
CO:	1	***ROGT:***	.3361546
Air Basin:	SF	***COT:***	5.893
District:	BA	***NOXT:***	8.551
COID:	ALA	***SOXT:***	.097
DISN:	BAY AREA AQMD	***PMT:***	46.818
CHAPIS:		***PM10T:***	23.5114581

2007 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.763
CO:	1	***ROGT:***	.402683
Air Basin:	SF	***COT:***	4.71
District:	BA	***NOXT:***	7.02
COID:	ALA	***SOXT:***	.076
DISN:	BAY AREA AQMD	***PMT:***	38.755
CHAPIS:		***PM10T:***	19.5320039

2008 Toxic Data

Facility ID:	94	***COID:***	ALA

Facility SIC Code: 2899
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 94
Facility SIC Code: 2899
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .854
ROGT: .4398659
COT: 5.185
NOXT: 7.644
SOXT: .084
PMT: 44.091098360655737704918032786885245901 64
PM10T: 22.1689308

2009 Toxic Data

Facility ID: 94
Facility SIC Code: 2899
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2010 Toxic Data

Facility ID: 94
Facility SIC Code: 2899
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 94
Facility SIC Code: 2899
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .902
ROGT: .462173
COT: 5.51
NOXT: 8.043
SOXT: .089
PMT: 87.806922110372897051980993783398602024 23
PM10T: 43.9625

2011 Toxic Data

Facility ID: 94
Facility SIC Code: 2899
CO: 1
Air Basin: SF
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2012 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.902
CO:	1	**ROGT:**	.462173
Air Basin:	SF	**COT:**	5.51
District:	BA	**NOXT:**	8.043
COID:	ALA	**SOXT:**	.089
DISN:	BAY AREA AQMD	**PMT:**	91.881922110372897051980993783398602023423
CHAPIS:		**PM10T:**	46

2012 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2013 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	1.731
CO:	1	**ROGT:**	.8148749
Air Basin:	SF	**COT:**	5.691
District:	BA	**NOXT:**	8.773
COID:	ALA	**SOXT:**	.093
DISN:	BAY AREA AQMD	**PMT:**	11.059
CHAPIS:		**PM10T:**	9.991

2013 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.653655
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	3.445848132
District:	BA	**NOXT:**	7.508590327
COID:	ALA	**SOXT:**	.055816101
DISN:	BAY AREA AQMD	**PMT:**	39.878356066
CHAPIS:		**PM10T:**	35.825371316

2014 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.388534342
CO:	1	***ROGT:***	.308353899
Air Basin:	SF	***COT:***	1.480429899
District:	BA	***NOXT:***	5.93391013
COID:	ALA	***SOXT:***	.023978197
DISN:	BAY AREA AQMD	***PMT:***	39.543301963
CHAPIS:		***PM10T:***	35.523661638

2015 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	94	***CERR CODE:***	
Facility SIC Code:	2899	***TOGT:***	.299235333
CO:	1	***ROGT:***	.256151307035
Air Basin:	SF	***COT:***	1.155259086
District:	BA	***NOXT:***	4.635951834
COID:	ALA	***SOXT:***	.018583028
DISN:	BAY AREA AQMD	***PMT:***	34.410285672
CHAPIS:		***PM10T:***	30.917763304

2016 Toxic Data

Facility ID:	94	***TS:***	
Facility SIC Code:	2899	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	ALA	***AH Index:***	
CO:	1	***Air Basin:***	SF
DISN:	BAY AREA AQMD	***District:***	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.276286815
CO:	1	***ROGT:***	.237054645992

Air Basin:	SF	**COT:**	1.052062117
District:	BA	**NOXT:**	4.221604353
COID:	ALA	**SOXT:**	.016928419
DISN:	BAY AREA AQMD	**PMT:**	33.16244792
CHAPIS:		**PM10T:**	29.772583167

2017 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	94	**CERR Code:**	
Facility SIC Code:	2899	**TOGT:**	.367746365
CO:	1	**ROGT:**	.275165123686
Air Basin:	SF	**COT:**	1.471922798
District:	BA	**NOXT:**	5.900040365
COID:	ALA	**SOXT:**	.023835003
DISN:	BAY AREA AQMD	**PMT:**	33.791388759
CHAPIS:		**PM10T:**	30.337564343

2018 Toxic Data

Facility ID:	94	**COID:**	ALA
Facility SIC Code:	2899	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
Facility ID:	94	**ROGT:**	.258636601368
District:	BA	**COT:**	1.171896691
Facility SIC Code:	2899	**NOXT:**	4.700254872
CO ID:	ALA	**SOXT:**	.018909179
DISN:	BAY AREA AQMD		
PM10T:	95.760552922		
TOGT:	.302305724		
PMT:	125.511114717		

2019 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Faccility ID:	94	**CERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	2899	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Non-Cancer Acute Haz Ind:

2020 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	94	***ROGT:***	.2535866785
District:	BA	***COT:***	1.139923218
Facility SIC Code:	2899	***NOXT:***	4.575359311
CO ID:	ALA	***SOXT:***	.018313772
DISN:	BAY AREA AQMD		
TOGT:	.296112416		
PMT:	120.403698441		
PM10T:	94.581998625		

2020 Toxic Data

CO:	1	***DISN:***	BAY AREA AQMD
Air Basin:	SF	***CHAPIS:***	
Facility ID:	94	***CHERR Code:***	
District:	BA	***TS:***	
Facility SIC Code:	2899	***Health Risk Asmt:***	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

23	***9 of18***	***SW***	***0.11 / 554.63***	***16.76 / -2***	***LESLIE SALT CO 7220 CENTRAL AVE NEWARK CA 94560***	***EMISSIONS***

1987 Criteria Data

Facility ID:	94	***CERR Code:***	
Facility SIC Code:	2899	***TOGT:***	.9
CO:	1	***ROGT:***	.38007
Air Basin:	SF	***COT:***	4.9
District:	BA	***NOXT:***	22
COID:	ALA	***SOXT:***	.1
DISN:	BAY AREA AQMD	***PMT:***	15.5
CHAPIS:		***PM10T:***	7.95

1987 Toxic Data

Facility ID:	94	***COID:***	ALA
Facility SIC Code:	2899	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

23	***10 of18***	***SW***	***0.11 / 554.63***	***16.76 / -2***	***PLANT 2 7220 CENTRAL AVE NEWARK CA***	***HIST TANK***

Owner Name:	LESLIE SALT CO	***No of Containers:***	1
Owner Street:	7220 CENTRAL AVE	***County:***	ALAMEDA
Owner City:	NEWARK	***Facility State:***	CA
Owner State:	CA	***Facility Zip:***	94560
Owner Zip:	94560		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	11 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7220 CENTRAL AVE. NEWARK CA 94560	AST SWRCB

Total Gals: 22750
Owner Name: CARGILL SALT DIVISION
Data Source: SWRCB Aboveground Storage Tanks Listing 2005;SWRCB Aboveground Storage Tanks Listing 2007;SWRCB Aboveground Storage Tanks Listing 2006

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	12 of18	SW	0.11 / 554.63	16.76 / -2	LESLIE SALT COMPANY 7220 CENTRAL AVE. NEWARK CA 94560	AST SWRCB

Total Gals: 22750
Owner Name: CARGILL SALT DIVISION
Data Source: SWRCB Aboveground Storage Tanks Listing 2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	13 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7220 CENTRAL AVE NEWARK CA	AST ALAMEDA

Fac ID: FA0310758
Owner ID: OW0313510
Owner Name: Cargill Inc.

Program Details

PE: 5204
CurrInspectionDate: 11/18/2024
Status: ACTIVE
LastInspectDate: 6/30/2011
Description: APSA SPCC GREATER THAN 10,000 GALLONS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	14 of18	SW	0.11 / 554.63	16.76 / -2	CARGILL SALT 7200 CENTRAL AVENUE NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Rel Desc:
Status: COMPLETED - CASE CLOSED
Rel Type:
Site Code:
Rel T Desc:
Site ID:
Program:
Record ID:
Case Desc:
ID Type:
ID Date:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: SL0600192948
Inv Party:
Fac ID:
Inv P Type:
Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
23	15 of18	SW	0.11 / 554.63	16.76 / -2	LESLIE SALT COMPANY 7200 CENTRAL AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type: LUST CLEANUP SITE
Rel Desc:
Status: OPEN - SITE ASSESSMENT
Rel Type:
Site Code:
Rel T Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Program:
Case Desc:
ID Date:

Site Details

Global ID: T0600102192
Fac ID:
Desc:

Inv Party:
Inv P Type:

---

23 | **16 of18** | **SW** | **0.11 / 554.63** | **16.76 / -2** | **WERNER ENTERPRISES**
7220 CENTRAL AVE
NEWARK CA 94560 | **RCRA NON GEN**

EPA Handler ID: CAC003177115
Gen Status Universe: No Report
Contact Name: WERNER ENTERPRISES
Contact Address: 14507 FRONTIER RD , , OMAHA , NE, 68138 ,
Contact Phone No and Ext: 404-273-9295
Contact Email: LUISO@ANCONSERVICES.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20220519
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20220519
Handler Name: WERNER ENTERPRISES
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	14507 FRONTIER RD
Name:	WERNER ENTERPRISES	***Street 2:***	
Date Became Current:		***City:***	OMAHA
Date Ended Current:		***State:***	NE
Phone:	404-273-9295	***Country:***	
Source Type:	Implementer	***Zip Code:***	68138

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	14507 FRONTIER RD
Name:	WERNER ENTERPRISES	***Street 2:***	
Date Became Current:		***City:***	OMAHA
Date Ended Current:		***State:***	NE
Phone:	404-273-9295	***Country:***	
Source Type:	Implementer	***Zip Code:***	68138

23	***17 of18***	***SW***	***0.11 / 554.63***	***16.76 / -2***	***CARGILL SALT 7220 CENTRAL AVE. NEWARK CA 945600000***	***HAZ TSD***

EPA ID:	CAD009134438	***Facility County:***	01
Facility Street2:		***County:***	Alameda

Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search

Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAD009134438

23	***18 of18***	***SW***	***0.11 / 554.63***	***16.76 / -2***	***LESLIE SALT COMPANY 7200 CENTRAL AVE NEWARK CA 94560***	***CLEANUP SITES***

Global ID:	T0600102192	***Case Type (DL):***	
Site Facility Type:		***Census Tract:***	6001444302
Cleanup Status:		***RWQCB Region (DL):***	
Status (SRCH):	OPEN - VERIFICATION MONITORING	***Longitude:***	
Status (DL):		***Latitude:***	
Status Date (DL):			

Address:	7200 CENTRAL AVE
City:	NEWARK
County:	ALAMEDA
Zip:	94560
State:	CA
Report Source:	Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No:	01-2382
Local Case No:	TT0070
Begin Date:	3/4/1987
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency:	ALAMEDA COUNTY WATER DISTRICT
CUF Case:	NO
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	Diesel
How Discovered:	Tank Closure
Stop Method:	
Stop Description:	
Case Worker:	LK
Military DoD Site:	No
Leak Reported Dt:	1998-09-04 00:00:00

No Further Action Dt:
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community: Disadvantaged Community
Coordinate Source: Google Geocode
Discharge Cause: Unknown
Discharge Source: Other
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 45-50%
File Location: All Files are on GeoTracker or in the Local Agency Database
Site History:

The subject property (Site) is located on the southeastern side of Central Avenue on Bay-filled former tidal flats in Newark, California. The Site is home of Cargill's salt evaporation ponds, which lie adjacent to the subject Site. Prior to 1987, diesel fuel was stored in an aboveground tank in Area 2 for use in vehicles at the facility. In 1987, Cargill Salt discovered that a buried pipeline from the tank had leaked. The tank, pipeline, and soils in the area of the leak were excavated and removed and soil samples were collected in the areas of excavation to document the diesel concentrations. Environmental soil and groundwater investigations have discovered petroleum hydrocarbons (as diesel and gasoline) in low concentrations. Case closure was requested by the Responsible Party (RP) in 2007 (1st Quarter Groundwater Monitoring Report by Crawford Consulting, Inc. June 6, 2007).

GeoTracker Sites Data Download - Status History

Status: Open - Verification Monitoring
Status Date: 2022-09-16 00:00:00

Status: Open - Verification Monitoring
Status Date: 2020-10-22 00:00:00

Status: Open - Inactive
Status Date: 2019-02-15 00:00:00

Status: Open - Site Assessment
Status Date: 1987-03-04 00:00:00

Status: Open - Case Begin Date
Status Date: 1987-03-04 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: DOUG YOUNG
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: douglas.young@acwd.com
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: LAUREN KAHAPEA
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 Clay Street
City: OAKLAND
Email: lauren.kahapea@waterboards.ca.gov
Phone No: 5106222343

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:

WDR Place Type:
WDR File No:
WDR Order No:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600102192
Cleanup Status Detail: OPEN - VERIFICATION MONITORING AS OF 9/16/2022
Potential COC: DIESEL
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq: # OF WELLS MONITORED - SEMI-ANNUALLY : 4
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: TT0070
CASE MANAGER: DOUG YOUNG
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-2382
CASE MANAGER: LAUREN KAHAPEA
CASE MANAGER: LAUREN KAHAPEA
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600102192&tabname=regulatoryhistory
Site History:

The subject property (Site) is located on the southeastern side of Central Avenue on Bay-filled former tidal flats in Newark, California. The Site is home of Cargill's salt evaporation ponds, which lie adjacent to the subject Site.

Prior to 1987, diesel fuel was stored in an aboveground tank in Area 2 for use in vehicles at the facility. In 1987, Cargill Salt discovered that a buried pipeline from the tank had leaked. The tank, pipeline, and soils in the area of the leak were excavated and removed and soil samples were collected in the areas of excavation to document the diesel concentrations. Environmental soil and groundwater investigations have discovered petroleum hydrocarbons (as diesel and gasoline) in low concentrations. Case closure was requested by the Responsible Party (RP) in 2007 (1st Quarter Groundwater Monitoring Report by Crawford Consulting, Inc. June 6, 2007).

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 11/21/1989
End Date: 1/2/1991
Phase: Soil
Contaminant Mass Removed:
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Enforcement - Other
Action: UNK
Action Date:
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 7/11/2023
Received Issue Date: 7/11/2023
Doc Link:
Title Description Comments:

Meeting with Cargil, ACWD and ne consultant EKI Met with Cargil to restart sampling at the site. Met with EKI (new consultant) and discussed requirements for monitoring and path to closure.

Action Type: Response Requested - Other

Action: Response to Comments
Action Date: 3/1/2023
Received Issue Date: 3/3/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600102192&doc_id=6091257
Title Description Comments:

RP has retained a consultant and will schedule a meeting with ACWD to discuss details.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 1/10/2023
Received Issue Date: 1/10/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&enforcement_id=6522299&temptable=ENFORCEMENT
Title Description Comments:

Request for Additional Site Investigation and Resumption of Groundwater Monitoring

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/6/2022
Received Issue Date: 7/6/2022
Doc Link:
Title Description Comments:

Completed LTCP Checklist and Pathway to Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 6/28/2021
Received Issue Date: 6/28/2021
Doc Link:
Title Description Comments:

LTCP Checklist and Pathway to Closure complete

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/27/2020
Received Issue Date: 5/27/2020
Doc Link:
Title Description Comments:

LTCP Checklist and pathway to Closure completed

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/12/2019
Received Issue Date: 6/12/2019
Doc Link:
Title Description Comments:

Case Review

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Doc Link:
Title Description Comments:

File Review and LTCP Checklist Update

Action Type: Other Regulatory Actions

Action: Technical Correspondence / Assistance / Other
Action Date: 12/9/2014
Received Issue Date: 12/9/2014
Doc Link:
Title Description Comments:

Completed Path to Closure Plan Evaluation

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/13/2013
Received Issue Date: 8/13/2013
Doc Link:
Title Description Comments:

LTCP Review & Checklist - Not eligible for closure

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2010
Received Issue Date: 6/30/2010
Doc Link:
Title Description Comments:

Case Closure Review per Resolution No 2009-0042

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/29/2009
Received Issue Date: 7/29/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&enforcement_id=6026440&temptable=ENFORCEMENT
Title Description Comments:

Groundwater Monitoring Frequency

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/13/2006
Received Issue Date: 7/13/2006
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&enforcement_id=6005467&temptable=ENFORCEMENT
Title Description Comments:

Workplan Approval

Action Type: Leak Action
Action: Leak Discovery
Action Date: 9/4/1998
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 9/4/1998
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 9/4/1998

Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Excavation
Action Date: 11/21/1989
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 3/3/2023
Type: RESPONSE TO COMMENTS ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: RP HAS RETAINED A CONSULTANT AND WILL SCHEDULE A MEETING WITH ACWD TO DISCUSS DETAILS.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&document_id=6091257

Document Type: Site Documents ***Document Date:*** 1/10/2023
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: REQUEST FOR ADDITIONAL SITE INVESTIGATION AND RESUMPTION OF GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&enforcement_id=6522299

Document Type: Monitoring Reports ***Document Date:*** 4/29/2010
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FIRST SEMI-ANNUAL 2010 MONITORING PERIOD
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4080027282/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 11/18/2009
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - SECOND SEMI-ANNUAL 2009 MONITORING PERIOD
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4714188933/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 11/18/2009
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FIRST SEMI-ANNUAL 2009 MONITORING PERIOD
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1838403284/T0600102192.PDF

Document Type: Site Documents ***Document Date:*** 7/29/2009
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: GROUNDWATER MONITORING FREQUENCY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&enforcement_id=6026440

Document Type: Monitoring Reports ***Document Date:*** 5/18/2009
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FOURTH QUARTER 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4922209799/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 12/22/2008
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - THIRD QUARTER 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9891842067/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 12/10/2008
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)

Title: GROUNDWATER MONITORING RESULTS - SECOND QUARTER 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7635849475/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 9/3/2008
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FIRST QUARTER 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8440142571/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/14/2008
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FOURTH QUARTER 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3251051962/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 3/3/2008
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - THIRD QUARTER 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2737139642/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 3/3/2008
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - SECOND QUARTER 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8994032144/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 6/25/2007
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FIRST QUARTER 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3588992059/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 3/7/2007
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING RESULTS - FOURTH QUARTER 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1029159367/T0600102192.PDF

Document Type: Monitoring Reports ***Document Date:*** 11/6/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: DANA JOHNSTON (AUTH_RP)
Title: GROUNDWATER MONITORING WELL INSTALLATION AND INITIAL MONITORING EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6547472894/T0600102192.PDF

Document Type: Site Documents ***Document Date:*** 7/13/2006
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: WORKPLAN APPROVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600102192&enforcement_id=6005467

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Verification Monitoring
Date: 9/16/2022

Status: Open - Verification Monitoring
Date: 10/22/2020

Status: Open - Inactive
Date: 2/15/2019

Status: Open - Site Assessment
Date: 3/4/1987

Status: Open - Case Begin Date
Date: 3/4/1987

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	1 of6	WNW	0.11 / 578.06	19.89 / 1	AC TRANSIT-NEWARK FACILITY 37650 SYCAMORE STREET NEWARK CA 94560	LUST

Global ID: T0600100022
Site Facility Type:
Status: Completed - Case Closed
Status Date (DL): 6/25/2015
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): AC TRANSIT-NEWARK FACILITY
Address: 37650 SYCAMORE STREET
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444500
Census Tract (SRCH): 6001444500
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: NO
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: EC
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-0026
Local Case No: TT0011
File Location: Local Agency
Potential COC: Diesel
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 11/21/1986
How Discovered: Tank Closure
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Physc / Mech Damage
Discharge Source: Dispenser, Tank
EPA Region: 9
Leak Reported Dt: 1986-11-21 00:00:00
Military DoD Site: No
No Further Action Dt: 2015-06-25 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 46-50%
Calenviroscreen 4 Score: 60-65%
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: EILEEN CHEN
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD.
City: FREMONT
Email: eileen.chen@acwd.com
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 6/25/2015

Status: Open - Eligible for Closure
Status Date: 5/12/2014

Status: Open - Site Assessment
Status Date: 10/26/1990

Status: Open - Verification Monitoring
Status Date: 10/26/1990

Status: Open - Case Begin Date
Status Date: 11/21/1986

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: AC TRANSIT-NEWARK FACILITY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 37650 SYCAMORE STREET
City: NEWARK
Zip: 94560
County: ALAMEDA
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100022
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/25/2015
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100022&tabname=regulatoryhistory
Potential COC: DIESEL
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location: LOCAL AGENCY
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: TT0011
CASE MANAGER: EILEEN CHEN
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-0026
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
CUF Claim No:
CUF Priority Assig:
CUF Amount Paid:
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency: # OF WELLS MONITORED - QUARTERLY : 6

REASONS FOR QUARTERLY OR MONTHLY OR OTHER GROUNDWATER MONITORING:
Well Being Sampled During Remedial Action for Progress Assessment - Sampling frequency will be modified after the proposed remedial system is up and running.
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed

Date : 6/25/2015

Status: Open - Eligible for Closure
Date : 5/12/2014

Status: Open - Verification Monitoring
Date : 10/26/1990

Status: Open - Site Assessment
Date : 10/26/1990

Status: Open - Case Begin Date
Date : 11/21/1986

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 6/25/2015
Received Issue Date: 6/25/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6250121&temptable=ENFORCEMENT
Title Description Comments:

Case Closure

Action Type: Other Regulatory Actions
Action: LOP Case Closure Summary to RB
Action Date: 6/2/2015
Received Issue Date: 6/2/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6247182&temptable=ENFORCEMENT
Title Description Comments:

Case Closure Recommendation

Action Type: Notices
Action: Notification - Public Notice of Case Closure
Action Date: 9/5/2014
Received Issue Date: 9/5/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6251207&temptable=ENFORCEMENT
Title Description Comments:

60-day Public Notice of Case Closure Request

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/25/2014
Received Issue Date: 6/25/2014
Doc Link:
Title Description Comments:

Update LTCP checklist for FY 13/14

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/6/2013
Received Issue Date: 8/6/2013
Doc Link:
Title Description Comments:

LTCP Review & Checklist - Not eligible for closure

Action Type: Response Requested - Workplans
Action: Other Workplan - Regulator Responded
Action Date: 4/22/2013
Received Issue Date: 4/22/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=5769433
Title Description Comments:

2013 Investigation Workplan - REVISED - Provided verbal approval to revised work plan. Requested submittal of drilling permit application.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 2/22/2013
Received Issue Date: 2/22/2013
Doc Link:
Title Description Comments:

Provided comments to work plan

Action Type: Other Regulatory Actions
Action: File review
Action Date: 1/5/2011
Received Issue Date: 1/5/2011
Doc Link:
Title Description Comments:

Review nearby site file for possible off-site VOC contaminant source.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/16/2008
Received Issue Date: 9/16/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6005189&temptable=ENFORCEMENT
Title Description Comments:

Comments to Feasibility Study

Action Type: Notices
Action: Letter - Notice
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6438034&temptable=ENFORCEMENT
Title Description Comments:

info found at ACWD

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 3/25/1992
Received Issue Date: 3/25/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025022
Title Description Comments:

sampling completion

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 3/25/1992
Received Issue Date:
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025020
Title Description Comments:

letter from ac transit

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 3/4/1991
Received Issue Date: 3/4/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025023
Title Description Comments:

newark subsurface investigation

Action Type: Reports
Action: Other Report
Action Date: 12/4/1990
Received Issue Date: 12/4/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6438030&temptable=ENFORCEMENT
Title Description Comments:

letter from ac transit

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 12/4/1990
Received Issue Date: 12/4/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025025
Title Description Comments:

site characterization

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 10/25/1990
Received Issue Date: 10/25/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025024
Title Description Comments:

Sampling

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 2/15/1987
Received Issue Date: 2/15/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025026
Title Description Comments:

soil analysis

Action Type: Response Requested - Other
Action: Unauthorized Release Form
Action Date: 11/21/1986
Received Issue Date: 11/21/1986
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025021
Title Description Comments:

Unauthorized Release Form

Action Type: Leak Action
Action: Leak Discovery
Action Date: 11/21/1986
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 11/21/1986
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 11/21/1986
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 8/21/1986
Received Issue Date: 8/21/1986
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100022&doc_id=6025027
Title Description Comments:

tracking report

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 2/15/2012*
Submitted By: TODD CORT (CONTRACTOR)
Title: NB-21 (NB-21)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3910215020/T0600100022.PDF

Submitted: 2/15/2012*
Submitted By: TODD CORT (CONTRACTOR)
Title: NB-18 (NB-18)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6854084789/T0600100022.PDF

Submitted: 2/15/2012*
Submitted By: TODD CORT (CONTRACTOR)
Title: NB-17 (NB-17)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6728790223/T0600100022.PDF

Submitted: 2/15/2012*
Submitted By: TODD CORT (CONTRACTOR)
Title: NB-19 (NB-19)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9523267388/T0600100022.PDF

Submitted: 2/15/2012*
Submitted By: TODD CORT (CONTRACTOR)
Title: NB-20 (NB-20)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5409559130/T0600100022.PDF

Submitted: 6/29/2011
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO BORE (MW-6) (MW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7082177698/T0600100022.PDF

Submitted: 6/29/2011
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO BORE (TW-3) (TW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1375329554/T0600100022.PDF

Submitted: 6/29/2011
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO BORE (TW-1) (TW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5866139233/T0600100022.PDF

Submitted: 6/29/2011
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO BORE (TW-2) (TW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3283253490/T0600100022.PDF

Submitted: 6/29/2011
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO BORE (MW-5) (MW-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2125284850/T0600100022.PDF

Submitted: 6/29/2011
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1281739234/T0600100022.PDF

Submitted: 3/14/2006
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_BORE (MW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5963316202/T0600100022.pdf

Submitted: 3/14/2006
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_BORE (MW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6125227212/T0600100022.pdf

Submitted: 3/14/2006
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_BORE (MW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3556073844/T0600100022.pdf

Submitted: 12/28/2005
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9235122501/T0600100022.pdf

Submitted: 12/15/2005
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8405301749/T0600100022.pdf

Submitted: 12/7/2005
Submitted By: TODD CORT (CONTRACTOR)
Title: GEO_BORE (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6940137565/T0600100022.pdf

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:***
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: LETTER FROM AC TRANSIT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025020

Document Type: Site Documents ***Document Date:*** 6/25/2015
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: BARBARA SIEMINSKI (REGULATOR)
Title: CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6250121

Document Type: Site Documents ***Document Date:*** 6/2/2015
Type: LOP CASE CLOSURE SUMMARY TO RB ***Submitted:***
Submitted By: EILEEN CHEN (REGULATOR)
Title: CASE CLOSURE RECOMMENDATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6247182

Document Type: Site Documents ***Document Date:*** 1/29/2015
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: TODD CORT (CONTRACTOR)

Title: WELL DECOMMISSIONING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2127297580/T0600100022.PDF

Document Type: Site Documents **Document Date:** 10/2/2014
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: NEWARK - OWNER'S SIGNED NOTICE OF PROPOSED ACTION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7087531387/T0600100022.PDF

Document Type: Site Documents **Document Date:** 9/10/2014
Type: FACT SHEETS - PUBLIC PARTICIPATION **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: PUBLIC NOTIFICATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1023942470/T0600100022.PDF

Document Type: Site Documents **Document Date:** 9/5/2014
Type: NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE **Submitted:**
Submitted By: ALLISON MALATHONG (REGULATOR)
Title: 60-DAY PUBLIC NOTICE OF CASE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6251207

Document Type: Monitoring Reports **Document Date:** 1/8/2014
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4Q2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2420615911/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 9/6/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 2Q2013 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1419503390/T0600100022.PDF

Document Type: Site Documents **Document Date:** 4/22/2013
Type: OTHER WORKPLAN **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 2013 INVESTIGATION WORKPLAN - REVISED
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8092695116/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 1/22/2013*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4Q2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8860090136/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 7/16/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 2Q2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7759108781/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 3/29/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 1Q2012 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6498015642/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 2/15/2012*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4Q2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1258473217/T0600100022.PDF

Document Type: Site Documents **Document Date:** 11/14/2011
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: SOIL BORING INSTALLATION WORKPLAN

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5786341369/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 11/14/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 3Q2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9067820250/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 6/29/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 3Q2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1299451470/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 6/29/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 3Q2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2910395324/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 6/27/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 2Q2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6588685035/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 5/4/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 1Q2011 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6897397637/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 1/27/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4Q2010 QUARTERLY MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8641763150/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 1/27/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 3Q2010 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7804184913/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 1/27/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 2Q2010 NEWARK QUARTERLY MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5515939295/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 3/26/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 1Q2010 NEWARK QUARTERLY REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8316354334/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 3/25/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 1Q2010 NEWARK QUARTERLY REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8217937648/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 2/4/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4Q2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3761171638/T0600100022.PDF

Document Type: Site Documents **Document Date:** 6/2/2009

Type: OTHER WORKPLAN **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: COMMENTS TO RDIP
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3983069181/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 4/6/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 1Q09 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3281481087/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 2/23/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4TH QUARTER 2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6815645515/T0600100022.PDF

Document Type: Site Documents **Document Date:** 9/16/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: EILEEN CHEN (REGULATOR)
Title: COMMENTS TO FEASIBILITY STUDY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6005189

Document Type: Monitoring Reports **Document Date:** 7/15/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 2Q2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9508549571/T0600100022.PDF

Document Type: Site Documents **Document Date:** 4/24/2008
Type: REPORTS - REMEDIAL ACTION RPT. **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: FEASIBILITY REPORT APRIL 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8532729208/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 2/27/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 4Q2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7493945062/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 10/23/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: THIRD QUARTER 2007 GW MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5816882073/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 7/20/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: SECOND QUARTER 2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1675215005/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 5/30/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: 1Q2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4881300210/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 2/8/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: AC TRANSIT NEWARK FOURTH QUARTER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4461293101/T0600100022.PDF

Document Type: Site Documents **Document Date:** 12/5/2006
Type: WORKPLANS - OTHER WP **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)

Title: DOWNGRADIENT MONITOR WELL INSTALLATION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5118741691/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 10/20/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: THIRD QUARTER 2006 GROUNDWATER MONITORING REPORT FOR THE AC TRANSIT FACILITY LOCATED AT 37650 SYCAMORE STREET NEWARK, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4676405191/T0600100022.PDF

Document Type: Site Documents **Document Date:** 12/15/2005
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: FORMER SOURCE AREA INVESTIGATION REPORT FOR THE FORMER AC TRANSIT FACILITY, 37650 SYCAMORE STREET, NEWARK, CALIFORNIA, AUGUST 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7517194449/T0600100022.PDF

Document Type: Site Documents **Document Date:** 12/7/2005
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: SUBSURFACE INVESTIGATION REPORT FOR THE FORMER AC TRANSIT FACILITY 37650 SYCAMORE STREET, NEWARK, CALIFORNIA, APRIL 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5137967765/T0600100022.PDF

Document Type: Monitoring Reports **Document Date:** 12/7/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: TODD CORT (CONTRACTOR)
Title: QUARTERLY GROUNDWATER REPORT FOR THE AC TRANSIT FACILITY LOCATED AT 37650 SYCAMORE STREET, NEWARK, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2353306412/T0600100022.PDF

Document Type: Site Documents **Document Date:** 6/27/1996
Type: LETTER - NOTICE **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: INFO FOUND AT ACWD
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6438034

Document Type: Site Documents **Document Date:** 3/25/1992
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: SAMPLING COMPLETION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025022

Document Type: Site Documents **Document Date:** 3/4/1991
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: NEWARK SUBSURFACE INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025023

Document Type: Site Documents **Document Date:** 12/4/1990
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: SITE CHARACTERIZATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025025

Document Type: Site Documents **Document Date:** 12/4/1990
Type: OTHER REPORT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: LETTER FROM AC TRANSIT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&enforcement_id=6438030

Document Type: Site Documents **Document Date:** 10/25/1990
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025024

Document Type: Site Documents **Document Date:** 2/15/1987
Type: SOIL AND WATER INVESTIGATION **Submitted:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

REPORT
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: SOIL ANALYSIS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025026

Document Type: Site Documents **Document Date:** 11/21/1986
Type: UNAUTHORIZED RELEASE FORM **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: UNAUTHORIZED RELEASE FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025021

Document Type: Site Documents **Document Date:** 8/21/1986
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SIMERPREET MATHARU (REGULATOR)
Title: TRACKING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100022&document_id=6025027

24	2 of6	WNW	0.11 / 578.06	19.89 / 1	NEWARK DIVISION NO 6 37650 SYCAMORE STREET NEWARK CA 94550	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00035cf2.pdf

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24	3 of6	WNW	0.11 / 578.06	19.89 / 1	NEWARK DIVISION NO. 6 37650 SYCAMORE STREET NEWARK CA	HIST TANK

Owner Name: ALAMEDA-CONTRA COSTA TRANSIT **No of Containers:** 3
Owner Street: 508 16TH STREET, ROOM 528 **County:** (NOT LEGIBLE)
Owner City: OAKLAND **Facility State:** CA
Owner State: CA **Facility Zip:** 94560
Owner Zip: 94612

24	4 of6	WNW	0.11 / 578.06	19.89 / 1	ALAMEDA COUNTY TRANSIT DISTRICT 37650 SYCAMORE ST NEWARK CA 94560-0000	RCRA NON GEN

EPA Handler ID: CAL000341418
Gen Status Universe: No Report
Contact Name: DAN RUSLEN, P.E.
Contact Address: 10626 INTERNATIONAL BLVD. , , OAKLAND , CA, 94603-3806 ,
Contact Phone No and Ext: 510-577-8869
Contact Email: DRUSLEN@ACTRANSIT.ORG
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20090317
Location Latitude: 37.526364
Location Longitude: -122.029889

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20090317
Handler Name:	ALAMEDA COUNTY TRANSIT DISTRICT
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1600 FRANKLIN ST
Name:	A C TRANSIT	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-577-8869	**Country:**	
Source Type:	Implementer	**Zip Code:**	94612-0000
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	10626 INTERNATIONAL BLVD.
Name:	DAN RUSLEN, P.E.	**Street 2:**	
Date Became Current:		**City:**	OAKLAND
Date Ended Current:		**State:**	CA
Phone:	510-577-8869	**Country:**	
Source Type:	Implementer	**Zip Code:**	94603-3806

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	5 of6	WNW	0.11 / 578.06	19.89 / 1	PIOTEC AUTOWORKZ 37650 SYCAMORE ST UNIT 2 NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAL000429350
Gen Status Universe:	No Report
Contact Name:	DAVID TAY OWNER
Contact Address:	3467 PINEWOOD TER 203 , , FREMONT , CA, 94536 ,
Contact Phone No and Ext:	510-793-8007
Contact Email:	PIOTECAUTO@GMAIL.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20170720
Location Latitude:	37.526364
Location Longitude:	-122.029889

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20170720
Handler Name:	PIOTEC AUTOWORKZ
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	3467 PINEWOOD TER 203
Name:	DAVID TAY	***Street 2:***	
Date Became Current:		***City:***	FREMONT
Date Ended Current:		***State:***	CA
Phone:	510-509-5996	***Country:***	
Source Type:	Implementer	***Zip Code:***	94536
Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	3467 PINEWOOD TER 203
Name:	DAVID TAY OWNER	***Street 2:***	
Date Became Current:		***City:***	FREMONT
Date Ended Current:		***State:***	CA
Phone:	510-793-8007	***Country:***	
Source Type:	Implementer	***Zip Code:***	94536

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
24	6 of6	WNW	0.11 / 578.06	19.89 / 1	AC TRANSIT-NEWARK FACILITY 37650 SYCAMORE STREET NEWARK CA 94560	CONT ALAMEDA

Facility Type:	LUST CLEANUP SITE	***Rel Desc:***	
Status:	COMPLETED - CASE CLOSED	***Rel Type:***	
Site Code:		***Rel T Desc:***	
Site ID:		***Program:***	
Record ID:		***Case Desc:***	
ID Type:		***ID Date:***	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:	T0600100022	***Inv Party:***	
Fac ID:		***Inv P Type:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Desc:						
25	1 of7	NNE	0.11 / 580.25	21.44 / 2	MAACO 6565 CENTRAL AVE NEWARK CA 94560	RCRA SQG

EPA Handler ID: CAR000046482
Gen Status Universe: Small Quantity Generator
Contact Name: STUART LEVIN
Contact Address: 6565 CENTRAL AVE , , NEWARK , CA, 94560 , US
Contact Phone No and Ext: 510-792-6200
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20050708
Location Latitude: 37.527856
Location Longitude: -122.026508

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19981118
Handler Name: MAACO AUTO PAINTING AND BODY WORKS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20050708
Handler Name: MAACO
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: STUART LEVIN
Date Became Current: 20041022
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: MAACO AUTO PAINTING AND BODY
Date Became Current:
Date Ended Current:
Street No:
Street 1: 80 PULLMAN WY
Street 2:
City: SAN JOSE
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: 408-227-8777
Source Type: Notification

Owner/Operator Ind: Current Owner
Type: Private
Name: STUART LEVIN
Date Became Current: 20041022
Date Ended Current:
Phone:
Source Type: Notification

Country:
Zip Code: 95111

Street No:
Street 1: 6565 CENTRAL AVE
Street 2:
City: NEWARK
State: CA
Country: US
Zip Code: 94560

Historical Handler Details

Receive Dt: 19981118
Generator Code Description: Small Quantity Generator
Handler Name: MAACO AUTO PAINTING AND BODY WORKS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	2 of7	NNE	0.11 / 580.25	21.44 / 2	ACC AUTO COLLISION CENTER INC 6565 CENTRAL AVE NEWARK CA 94560	CERS HAZ

Site ID: 2756
Latitude: 37.528220
Longitude: -122.026850

Regulated Programs

EI ID: 10188229 **EI Description:** Hazardous Waste Generator

EI ID: 110054319803 **EI Description:** US EPA Air Emission Inventory System (EIS)

EI ID: 10188229 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 01/23/2023
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 02/15/2023. The business failed to provide annual training to all employees in safety procedures in the event of a release of a hazardous material. Training that met the requirements was not provided within the past year, and thus records were not observed for that year. Provide training to staff that meet requirements of HSC §25505(a)(4) and 19 CCR §2659(a)(4). Training must include items such as methods for safe handling of hazardous materials, evacuation plans, use of the facility's emergency response equipment, and procedures for coordination with local emergency response organizations. It seems that most of these items are covered in the facilities ER Plan, Hazardous Waste Handling, and Haz Comm internal training. Train employees and send training records to inspector to demonstrate compliance. Maintain training records for a minimum of three years.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 01/23/2023
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

Returned to compliance on 02/06/2023. Observed a 318 cubic feet tank of gaseous argon carbon dioxide. Also observed a 55 gallon drum of lacquer thinner waste on site. These items were not reported in the CERS (California Environmental Reporting System) hazardous material inventory. Update

the CERS inventory to include the items above. Submit accurate chemical inventory information and notify the inspector when this has been completed.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 01/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 01/23/2023. The hazardous properties section of the hazardous waste label was not completed for used oil and antifreeze. toxic properties, used oil is combustible Fully complete the hazardous waste labels when they must be utilized. Label the used oil and antifreeze as toxic. This was corrected on site.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/27/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Notes:

Returned to compliance on 08/16/2018. "OBSERVATION: The generator is not performing waste inspections. The generator shall inspect areas used for container storage or transfer, at least weekly, looking for leaking containers and for deterioration of containers and the containment system caused by corrosion and other factors. CORRECTIVE ACTION: Immediately begin conducting the necessary weekly inspections for all hazardous waste containers at this facility.

Violation Description:

Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.

Violations

Violation Date: 07/24/2013 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Notes:

Returned to compliance on 03/06/2014.

Violation Description:

Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.

Violations

Violation Date: 06/25/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 07/14/2015. OBSERVATION: Generator failed to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers. CORRECTIVE ACTION: Owner/Operator shall immediately post, next to the telephone,

emergency information that contains the required information in accordance with Title 22. Facility to complete and post Emergency Procedures form provided by ACDEH.

Violation Description:

Failure to post, next to the telephone, Emergency Information (SQG) containing the location of emergency equipment, contact names and numbers.

Violations

Violation Date: 03/18/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 03/22/2019.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 06/25/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Notes:

Returned to compliance on 07/14/2015. OBSERVATION: Used oil last picked up 2/28/2014, and not labeled with an accumulation start date. CORRECTIVE ACTION: Immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA by 7/25/2015.

Violation Description:

Failure to dispose of hazardous waste within 180 days (or 270 if waste is transported over 200 miles) for the generator who generates less than 1000 kilogram per month, but more than 100 kilograms per month.

Violations

Violation Date: 06/25/2015 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 06/25/2015. OBSERVATION: ONE 55 GALLON CONTAINER USED OIL AND ONE 55 GALLON WASTE ANTIFREEZE CONTAINER FOUND OPEN UPON INSPECTION. CORRECTIVE ACTION: FACILITY TO KEEP HAZARDOUS WASTE CONTAINERS CLOSED UNLESS ACTIVELY ADDING WASTE. PROVIDE ACDEH EVIDENCE OF CLOSED CONTAINERS.

Violation Description:

Failure to properly close hazardous waste containers when not in active use.

Violations

Violation Date: 01/23/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 01/23/2023. Emergency information is not posted next to the telephone. Complete and post all required emergency information next to the telephone. This was corrected on site.

Violation Description:

Failure to post the following information next to the telephone:
(A) The name and telephone number of the emergency coordinator;
(B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and
(C) The telephone number of the fire department, unless the facility has a direct alarm.

Violations

Violation Date: 01/23/2023 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

Returned to compliance on 02/06/2023. Observed a 318 cubic feet tank of gaseous argon carbon dioxide. Also observed a 55 gallon drum of lacquer thinner waste on site. These items were not reported in the CERS (California Environmental Reporting System) hazardous material inventory. Update the CERS inventory to include the items above. Submit accurate chemical inventory information and notify the inspector when this has been completed.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 06/25/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 07/14/2015. OBSERVATION: ANNUAL training documentation for all applicable employees was not available. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that employees have received HMBP training on safe handling of hazardous materials and including but not limited to the Emergency Response Plan in CERS.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 06/27/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Returned to compliance on 08/16/2018. "OBSERVATION: At the time of inspection, it could not be demonstrated (not necessarily documented) that employees who handle hazardous waste were properly trained. Accumulation start dates were missing from labels or incorrect, numerous labels, containers with waste accumulated on the outside and an open container. The generator must ensure that all employees who handle hazardous waste are thoroughly familiar with proper waste handling and em The last hazardous waste training was documented in 2016.ergency procedures. CORRECTIVE ACTION: Immediately provide training to all employees who handle hazardous waste and submit a copy of the training records to the inspector within 30 days.

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Violations

Violation Date: 06/27/2018 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Alameda County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

Returned to compliance on 08/16/2018. OBSERVATION: One antifreeze drum was not picked up when the other antifreeze was last picked up.A solid drum had an accumulation date of 2014. Facilities who generate less than 1000 kg of hazardous waste per month and do not exceed 6000 kg of waste stored on site at any time may store waste on site up to 180 days. "CORRECTIVE ACTION: Immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the Inspector along with a procedures to ensure pickups occur within the alloted time (180 days).

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 01/23/2023 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Alameda County Environmental Health
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Notes:

Returned to compliance on 02/09/2023. Manifest 024039299JJK observed on site was not signed by the designated facility (this item was shipped on 8/18/22). Did not observe manifest 022723273JJK on site (this item was shipped on 8/9/21). Keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. By the end of the inspection, the facility was able to locate a copy of the signed 024039299JJK manifest. Email copy of 022723273JJK manifest when it has been located.

Violation Description:

Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.

Violations

Violation Date: 06/25/2015 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 07/14/2015. OBSERVATION: One 55 gallon container used oil, and one 55 gallon container waste antifreeze not properly labeled. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all containers are marked with all the required information. Since it cannot be determined how long the used oil has been on site, immediately contact a licensed hazardous waste hauler to dispose of this waste under manifest and submit a copy of the manifest to the CUPA by 7/25/2015.

Violation Description:

Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Evaluations

Eval Date: 06/25/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency

Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

6-25-2015. ONSITE TO PERFORM AN UNANNOUNCED INSPECTION FOR THE HAZARDOUS MATERIALS BUSINESS PLAN (HMBP) AT ACC AUTOMOBILE COLLISION CENTER 6565 CENTRAL AVE, NEWARK, CA 94560 AND MEET WITH OWNER SYLVIE CHOE, AND CARLOS IBARRA, MANAGER WHO GRANTED PERMISSION FOR THIS INSPECTION. OBSERVATION: ONE X 55 GALLON CONTAINER PAINT WASTE ONE X 55 GALLON CONTAINER USED OIL ONE X 55 GALLON CONTAINER WASTE ANTIFREEZE WELDING GASES OXYGEN AND ACETYLENE IN SERVICE, AND CARBON DIOXIDE/ARGON MIX GAS CYLINDERS. FACILITY TO CONFIRM CUBIC FEET OF ARGON/CARBON DIOXIDE MIXTURE. REPORTING THRESHOLD IS EQUAL OR GREATER THAN 200 CUBIC FEET. ADD CHEMICAL PAGE IN CERS ACCORDINGLY. FOUR 55 GALLON DRUMS EMPTY. FACILITY TO LABEL AS EMPTY, MAXIMUM ONE YEAR STORAGE. EMPTY LABELS PROVIDED TO FACILITY REPRESENTATIVE. FACILITY IS TO UPDATE THE CHEMICAL PAGE IN CERS FOR WASTE PAINT, MAXIMUM CONTAINER SIZE (55 GALLON) OBSERVED DURING INSPECTION. CERTIFICATION OF RETURN TO COMPLIANCE I certify [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Routine Small Quantity Hazardous Waste Generator (SQG) inspection for ACC Auto Collision Center located at 6565 Central Ave. Newark. Andrew Choe granted permission to conduct the inspection. EPA ID number CAL000336154 All violations are to be corrected within 30 days and proof of these corrections submitted to this office in the same time frame. CERTIFICATION OF RETURN TO COMPLIANCE ACC Auto Collision Center 6565 Central Ave. Newark I certify that the violation(s) noted in this Hazardous Waste Generator inspection report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected. PRINT: _____ SIGN:_____ TITLE: _____ DATE:_____; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 03/18/2019
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/23/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alameda County Department of Environmental Health (ACDEH) was onsite to conduct a routine triennial hazardous waste generator (HWG) inspection. ACDEH was granted consent to inspect by Brenda Rivas. Please correct violations noted above within 30 days and provide documentation that they have been corrected. Alameda County HWG permit is current and expires 7/31/23. Ensure no aerosol cans that still have product in them are disposed of in the municipal solid waste trash. Also ensure that used oil receivers have hazardous waste labels on them and ensure to dispose of pain thinner waste by 2/5/23.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Routine Hazardous Materials Business Plan (HMBP) inspection for ACC Auto Collision Center located at 6565 Central Ave. Newark Andrew Choe granted permission to conduct the inspection. The last HMBP submittal was completed on 2-11-2018 Alameda County Department of Environmental Health (ACDEH) permit is valid to 8-1-2018.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 01/23/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County Department of Environmental Health (ACDEH) was onsite to conduct a routine triennial hazardous materials business plan (HMBP) inspection. ACDEH was granted consent to inspect by Brenda Rivas. Please correct violations noted above within 30 days and provide documentation that they have been corrected. Next complete annual HMBP re-certification is due by 2/7/2023. A complete HMBP certification consists of Facility Information, Hazardous Materials Inventory, and Emergency Response and Training Plans. Alameda County HMBP permit is current and expires 7/31/23.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/24/2013
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/25/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

6-25-2015. ONSITE TO PERFORM AN UNANNOUNCED INSPECTION FOR THE HAZARDOUS WASTE GENERATOR PROGRAM AT ACC AUTOMOBILE COLLISION CENTER 6565 CENTRAL AVE, NEWARK, CA 94560 AND MEET WITH OWNER SYLVIE CHOE, AND CARLOS IBARRA, MANAGER WHO GRANTED PERMISSION FOR THIS INSPECTION. HAZARDOUS WASTE VENDOR IS SAFETY KLEEN FOR PAINT WASTE LAST PICK-UP OF 120 GAL ON 4/22/2015, AND A&S ENVIRONMENTAL FOR USED OIL LAST PICK-UP OF 20 GAL 2/18/2014 AND ANTIFREEZE LAST PICK-UP 55 GAL 3/15/2015. FACILITY HAS PAINT BOOTH AND HAS RECENTLY SWITCHED FROM STYROFOAM TO PAPER FILTERS. FACILITY IS TO PERFORM A HAZARDOUS WASTE DETERMINATION ON FILTERS TO DETERMINE IF THEY ARE HAZARDOUS WASTE PRIOR TO DISPOSAL. CERTIFICATION OF RETURN TO COMPLIANCE I certify that the minor violation(s) noted on the Hazardous Waste Generator inspection page(s) have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Environmental Contact
Entity Name: Sylvie Choe
Entity Title:

Address: 6565 Central Ave.
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6565 Central Ave.
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Parent Corporation
Entity Name: ACC AUTOMOBILE COLLISION CENTER
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Document Preparer
Entity Name: HTE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator
Entity Name: JC & Sylvie Choe
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 415-8528

Affil Type Desc: Legal Owner
Entity Name: ACC Auto Collision Center
Entity Title:
Address: 6565 Central Ave.
City: Newark
State: CA
Country: United States
Zip Code: 94560
Phone: (510) 795-6565

Affil Type Desc: Identification Signer
Entity Name: Sylvie Choe
Entity Title: Owner
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Sylvie Choe

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Title:
Address: 6565 CENTRAL AVE
City: NEWARK
State:
Country:
Zip Code:
Phone:

Coordinates

Env Int Type Code: HWG
Program ID: 10188229
Latitude: 37.528260
Longitude: -122.026770
Coord Name:
Ref Point Type Desc: Center of a facility or station.

25	3 of7	NNE	0.11 / 580.25	21.44 / 2	ACC AUTO COLLISION CENTER 6565 CENTRAL AVE NEWARK CA 94560	EMISSIONS

2008 Criteria Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .035
ROGT: .0294282
COT:
NOXT:
SOXT:
PMT:
PM10T:

2008 Toxic Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2009 Criteria Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .035
ROGT: .0294282
COT:
NOXT:
SOXT:
PMT:
PM10T:

2009 Toxic Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2010 Toxic Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2011 Criteria Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .035
ROGT: .0294282
COT:
NOXT:
SOXT:
PMT:
PM10T:

2011 Toxic Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2012 Criteria Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .766
ROGT: .705276
COT:
NOXT:
SOXT:
PMT:
PM10T:

2012 Toxic Data

Facility ID: 19333
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2013 Criteria Data

Facility ID:	19333	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.766
CO:	1	**ROGT:**	.705276
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2013 Toxic Data

Facility ID:	19333	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	19333	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.767240159
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2014 Toxic Data

Facility ID:	19333	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	19333	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.76724022
CO:	1	**ROGT:**	.76724012
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2015 Toxic Data

Facility ID:	19333	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2017 Toxic Data

Facility ID:	19333	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2018 Criteria Data

Facility ID:	19333	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.516000021
CO:	1	***ROGT:***	.5097564207459
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2018 Toxic Data

Facility ID:	19333	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2019 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	19333	***ROGT:***	.5097564207459
District:	BA	***COT:***	
Facility SIC Code:	7532	***NOXT:***	
CO ID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD		
PM10T:			
TOGT:	.516000021		
PMT:			

2019 Toxic Data

CO:	1	***DISN:***	BAY AREA AQMD
Air Basin:	SF	***CHAPIS:***	
Faccility ID:	19333	***CERR Code:***	
District:	BA	***TS:***	
Facility SIC Code:	7532	***Health Risk Asmt:***	
COID:	ALA		

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2020 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	19333	***ROGT:***	.4386276177822
District:	BA	***COT:***	
Facility SIC Code:	7532	***NOXT:***	
CO ID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD		
TOGT:	.444000018		
PMT:			
PM10T:			

2020 Toxic Data

CO:	1	***DISN:***	BAY AREA AQMD
Air Basin:	SF	***CHAPIS:***	
Facility ID:	19333	***CHERR Code:***	
District:	BA	***TS:***	
Facility SIC Code:	7532	***Health Risk Asmt:***	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	4 of7	NNE	0.11 / 580.25	21.44 / 2	***MAACO COLLISION REPAIR & AUTO*** ***6565 CENTRAL AVE*** ***NEWARK CA 94560***	***EMISSIONS***

2004 Criteria Data

Facility ID:	16569	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	2.751
CO:	1	***ROGT:***	2.5307518
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID:	16569	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	16569	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.474
CO:	1	***ROGT:***	1.300469
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2005 Toxic Data

Facility ID:	16569	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	5 of7	NNE	0.11 / 580.25	21.44 / 2	MAACO AUTO PAINTING 6565 CENTRAL AVE NEWARK CA 94560	EMISSIONS

1999 Criteria Data

Facility ID:	12041	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	2.473
CO:	1	**ROGT:**	1.8439046
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1999 Toxic Data

Facility ID:	12041	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	12041	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	2.473
CO:	1	**ROGT:**	1.85
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2000 Toxic Data

Facility ID:	12041	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			

Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2001 Criteria Data

Facility ID:	12041	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	2.05
CO:	1	***ROGT:***	1.69
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2001 Toxic Data

Facility ID:	12041	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2002 Criteria Data

Facility ID:	12041	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.572
CO:	1	***ROGT:***	1.30301
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2002 Toxic Data

Facility ID:	12041	***COID:***	ALA
Facility SIC Code:	7532	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2003 Criteria Data

Facility ID:	12041	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	1.572
CO:	1	***ROGT:***	1.31
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2003 Toxic Data

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID: 12041
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	6 of7	NNE	0.11 / 580.25	21.44 / 2	CHOICE AUTO BODY 6565 CENTRAL AVE NEWARK CA 94560	EMISSIONS

2006 Criteria Data

Facility ID: 18144
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.474
ROGT: 1.300469
COT:
NOXT:
SOXT:
PMT:
PM10T:

2006 Toxic Data

Facility ID: 18144
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2007 Criteria Data

Facility ID: 18144
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .43
ROGT: .3726448
COT:
NOXT:
SOXT:
PMT:
PM10T:

2007 Toxic Data

Facility ID: 18144
Facility SIC Code: 7532
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
25	7 of7	NNE	0.11 / 580.25	21.44 / 2	ACC AUTO COLLISION CENTER INC 6565 CENTRAL AVE NEWARK CA 94560-3932	RCRA NON GEN

EPA Handler ID: CAL000336154
Gen Status Universe: No Report
Contact Name: SYLVIE CHOE
Contact Address: 6565 CENTRAL AVE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-795-6565
Contact Email: AUTOCOLLCENTER@GMAIL.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20080908
Location Latitude: 37.527856
Location Longitude: -122.026508

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20080908
Handler Name: ACC AUTO COLLISION CENTER INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: SUNG CHOE
Date Became Current:
Date Ended Current:
Phone: 510-795-6565
Source Type: Implementer
Street No:
Street 1: 6565 CENTRAL AVE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560-3932

Owner/Operator Ind: Current Operator
Type: Other
Name: SYLVIE CHOE
Street No:
Street 1: 6565 CENTRAL AVE
Street 2:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Date Became Current: **City:** NEWARK
Date Ended Current: **State:** CA
Phone: 510-795-6565 **Country:**
Source Type: Implementer **Zip Code:** 94560

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26 | **1 of1** | **E** | **0.12 / 630.83** | **22.19 / 3** | **ELITE RECYCLING SERVICES, LLC**
6640 REDEKER PL
NEWARK CA 94560 | **DELISTED HAZ**

Siteid: 114289
Latitude: 37.525070
Longitude: -122.023102
Original Source: CHAZ
Record Date: 30-MAY-2017

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27 | **1 of3** | **WNW** | **0.12 / 644.83** | **20.79 / 2** | **Giant Bull Custom Auto House**
37600 SYCAMORE ST
NEWARK CA 94560 | **CERS HAZ**

Site ID: 446991
Latitude: 37.526200
Longitude: -122.030410

Regulated Programs

EI ID: 10779571 **EI Description:** Hazardous Waste Generator

EI ID: 10779571 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 12/21/2018 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Alameda County Environmental Health
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Notes:

Returned to compliance on 08/17/2019. This facility has not maintained an active EPA ID number to manage hazardous waste. Facility's EPA ID #CAL000417841 is currently inactive per Department of Toxics Substance Control (DTSC) Hazardous Waste Tracking System. Reactivate EPA ID number through DTSC Hazardous Waste Tracking System athttp://www.dtsc.ca.gov/IDManifest/ReactivateID.cfm

Violation Description:

Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

Violations

Violation Date: 02/03/2022 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 10/26/2022 **Violation Source:** CERS
Violation Program: HW **Violation Division:** Alameda County Environmental Health

Citation: 22 CCR 12 66262.20 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.20
Violation Notes:

Returned to compliance on 12/02/2022. Approximately ten (10) 5-gallon containers of waste solvent were transported to the business's service garage at 6995 Central Ave, Newark, CA 94560 without a Uniform Hazardous Waste Manifest. Facility management (Mohammed Omar Tahib) could not recall when or how this waste was transported, but did state that the waste was generated at Giant Bull Custom Auto House, 37600 Sycamore St, Newark, CA 94560. Prepare a Uniform Hazardous Waste Manifest for all future shipments of hazardous waste to an off-site facility. This violation will be closed when a copy of the Uniform Hazardous Waste Manifest for the next shipment of hazardous waste is submitted to Alameda County CUPA. *Please note that this facility generates less than 100 kg of hazardous waste each month and has the option to self-transport its future hazardous waste shipments to a permitted Household Hazardous Waste (HHW) disposal facility without a Uniform Hazardous Waste Manifest, pr... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to prepare a Uniform Hazardous Waste Manifest and, if necessary, a Continuation Sheet, before the transport of a hazardous waste off-site for transfer, treatment, storage, or disposal.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

The facility failed to establish and submit a Hazardous Materials Business Plan (HMBP) training program to the California Environment Reporting System (CERS). This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Prepare and submit an HMBP training program to the CERS no later than 12/2/2022. The training must include: • Hazardous materials safety information • Immediate notification contacts to the appropriate local emergency response personnel and to the unified program agency. • Procedures for the mitigation of a release or threatened release to minimize any potential harm or damage to persons, property, or the environment. • Evacuation plans and procedures, including immediate notice, for the business site. Please note that the Emergency Response and Contingency Plan template found in CERS can also be used as a training plan.

Violation Description:

Failure to establish and/or electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material. *Verify agricultural handler exemption HSC 25507.1

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2018. OBSERVATION: Facility owner has not submitted a complete and current hazardous material inventory electronically to the California Environmental Reporting System (CERS). Observed the following: a. One 55 gallon drum of new oil b. Five 55 gallon drums of used oil for a total of 275 gallons c. One 55 gallon drum of waste coolant d. Two 30 pound cylinders of Freon R134A CORRECTIVE ACTION: Complete and submit a current hazardous material inventory electronically in the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/ within 30 days. Facility corrected on site by submitting above information in CERS.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

The facility failed to operate in a manner that minimizes the release of a hazardous waste to the environment, as observed by: • Unattended paint and waste solvent spills on the shelving, equipment, and floors around the hazardous waste storage area. • Uncontained fine metal powders/dust generated

by autobody repair on the floors, equipment, and shelving throughout the facility. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Clean up the uncontained fine metal powders/dust and the spilled paint/waste solvents no later than 11/9/2022. All fine metal powders/dust must be stored in a closed, labeled hazardous waste container unless the facility can prove that it is not hazardous waste. Submit pictures of this to Alameda County CUPA to close the violation.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

The facility failed to provide initial and annual Hazardous Materials Business Plan (HMBP) training train their employees. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Provide and document HMBP training to all facility employees no later than 12/2/2022. Training must be provided annually and training records must be kept on site for a minimum of three (3) years. Submit a copy of the training records to Alameda County CUPA to close this violation.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

Returned to compliance on 12/02/2022. The facility failed to have a registered hazardous waste hauler pick up the following hazardous wastes within 90 days of reaching 100 kg (27 gallons) of total hazardous waste: • Approximately fifteen (15) 5-gallon containers of waste solvent in the hazardous waste storage area. • Approximately ten (10) 5-gallon containers of waste solvent observed in the vegetation behind the damaged vehicles stored in front of the service garage located at 6995 Central Ave, Newark, CA 94560. Contact a registered hazardous waste hauler to remove the waste solvents no later than 12/2/2022. Submit a copy of the corresponding Uniform Hazardous Waste Manifest to Alameda County CUPA to close this violation.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal of acute/extremely hazardous waste after the first 1-kilogram threshold amount was accumulated within a 90 day period.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2018. OBSERVATION: The new facility owner has not submitted a training program adequate for the size of the business and materials handled to the CUPA. CORRECTIVE ACTION: Submit a training program adequate for the size of the business and materials handled to the CUPA electronically in CERS at http://cers.calepa.ca.gov/ within 30 days. Facility corrected on site by submitting above information in CERS.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Notes:

The fire extinguishers onsite had no proof of annual service/maintenance (e.g. service tags or service receipts). This is a repeated violation that is being elevated to a Class II violation. Service the fire extinguishers no later than 12/2/2022. Submit evidence of this (e.g. pictures of service tags or copies of service receipts) to Alameda County CUPA to close this violation.

Violation Description:

Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25510(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25510(a)
Violation Notes:

Returned to compliance on 01/20/2019.

Violation Description:

Failure to report a release or threatened release of a hazardous material to the unified program agency and to OES.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Notes:

The facility failed to review the information in their Hazardous Materials Business Plan (HMBP) in the California Environmental Reporting System (CERS) and electronically certify that is complete/accurate at least once every twelve (12) months. The last submittal/certification was on 12/21/2018. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Review the information in your HMBP and electronically certify that is it complete and accurate at least once every twelve (12) months. This violation will be closed when an updated HMBP is submitted to CERS.

Violation Description:

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 11/08/2022. Hazardous waste labels missing for the following containers: 55 gallon drums of used oil and 55 gallon drum of waste antifreeze.All hazardous waste containers shall be marked with the following information: 1) the words Hazardous Waste; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date.For containers storing "Used Oil", the container must be labeled with: 1) the words Hazardous Waste; 2) name and address of generator 3) the words "Used Oil" 4) accumulation start date. Immediately label these containers and ensure that all hazardous waste containers are marked with all therequired information. Submit photo documentation to ACDEH within 30 days.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

OBSERVATON: Initial and annual training documentation for all employees was not available. Training in the HMBP including the safe handling of hazardous materials and Emergency Response Plan must be provided to all employees on an annual basis. CORRECTIVE ACTION: Submit documentation to ACDEH demonstrating that employees have received annual refresher training on safe handling of hazardous materials and the Emergency Response Plan. Maintain written training records for the last three years.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2018. OBSERVATION: Facility owner has not submitted a complete and current annotated site map electronically to the California Environmental Reporting System (CERS). CORRECTIVE ACTION: Complete and submit a current annotated site map electronically in the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/ within 30 days. Facility corrected on site by submitting above information in CERS.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Notes:

The facility does not have a copy of their Hazardous Materials Business Plan (HMBP) available onsite. Re-establish your HMBP and keep a copy onsite so that it is readily available to facility personnel. Submit a picture of this to Alameda County CUPA by 12/2/2022 to close the violation.

Violation Description:

Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2018. OBSERVATION: Facility owner has not completed and electronically submitted a business plan when handling hazardous materials in CERS within 30 days as required. CORRECTIVE ACTION: Submit the business plan electronically in the California Environmental Reporting System (CERS) website at http://cers.calepa.ca.gov/ within 30 days. Facility corrected on site by submitting a business plan in CERS.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Notes:

Returned to compliance on 12/02/2022.

Violation Description:

Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met:
(1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms.

(2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f).

(3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 11/08/2022. The following hazardous waste containers were not properly labeled as hazardous waste: • Approximately fifteen (15) 5-gallon containers of waste solvent in the hazardous waste storage area. • Approximately ten (10) 5-gallon containers of waste solvent in the vegetation behind the damaged vehicles in front of the service garage located at 6995 Central Ave, Newark, CA 94560. This is a repeated violation that is being elevated to a Class II violation. Label these containers as hazardous waste no later than 12/2/2022. Labels must include: • The words "Hazardous Waste" • The name and address of the person producing the waste • The accumulation start date (you can write "empty daily" here) • The contents • The physical state of the wastes (liquid or solid) • The hazardous properties of the waste (flammable, reactive, corrosive, or toxic) Submit pictures of the properly labeled containers to Alameda County CUPA to close this violation.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

The facility leases the property and has not notified the property owner, in writing, that a Hazardous Material Business Plan (HMBP) is required and that the facility has complied with all of its provisions. This is a repeated violation that is being elevated to a Class II violation. Notify the property owner, in writing, that the business is subject to the requirements of the HMBP program and has complied with all of its provisions no later than 12/2/2022.

Violation Description:

Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health

Citation: HSC 6.5 25160.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25160.2
Violation Notes:

Returned to compliance on 10/26/2022. The facility is missing disposal records for used oil, lead-acid batteries, and waste antifreeze from 2016-2018. Facility has consolidated manifest from Asbury Environmental Services World Oil for 9/14/2018 for 355 gallons. Immediately locate disposal records and receipts for used oil, lead-acid batteries, and waste antifreeze for the last three years, maintain them on site, and submit copies to ACDEH within 30 days.

Violation Description:

Failure of a generator of hazardous waste that meets the conditions to be transported on a consolidated manifest to comply with one or more of the required consolidated manifesting procedures and retain copies of receipts for three years.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

OBSERVATION: Facility did not establish and implement a business plan when handling hazardous materials in the California Environmental Reporting System (CERS) within 30 days as required. Facility failed to implement a business plan by observing oil spills in secondary containment in hazardous waste storage area and stains from bondo dust from prepping cars inside facility leading from indoors to outside near storm drain. All spills must be cleaned up immediately. Facility failed to implement a business plan by not maintaining emergency equipment. Observed fire extinguishers with no proof of annual assessment. Emergency equipment shall be tested and maintained as necessary (fire extinguishers assessed annually). CORRECTIVE ACTIONS: Submit a business plan electronically in the California Environmental Reporting System (CERS) website at http://cers.calepa.ca.gov/ within 30 days and implement immediately. Clean up oil spills in secondary containment. Discontinue [Truncated]

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32
Violation Notes:

Returned to compliance on 11/08/2022. The fire extinguisher near the paint booth (on the office side of the building) is missing. Replace the fire extinguisher no later than 12/2/2022.

Violation Description:

Failure of the facility to maintain the following emergency equipment or equivalents:
1) An internal communications or alarm system;
2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams;
3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and
4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.23(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.23(a)
Violation Notes:

Returned to compliance on 10/26/2022. The facility is missing disposal records for used oil, lead-acid batteries, and waste antifreeze from 2016-2018. Facility has consolidated manifest from Asbury Environmental Services World Oil for 9/14/2018 for 355 gallons. Immediately locate disposal records and receipts for used oil, lead-acid batteries, and waste antifreeze for the last three years, maintain them on site, and submit copies to ACDEH within 30 days.

Violation Description:

Failure to properly complete the Uniform Hazardous Waste Manifest.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.33 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.33
Violation Notes:

OBSERVATION: Observed fire extinguishers with no proof of annual assessment. Fire extinguishers must be serviced annually. CORRECTIVE ACTION: Re-certify fire extinguishers and ensure all are assessed and certified annually. Submit proof of corrective action to ACDEH within 30 days.

Violation Description:

Failure to test and maintain as necessary all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment to assure its proper operation in time of emergency.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Notes:

Returned to compliance on 10/26/2022. Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Observed one 55 gallondrums of used oil filters missing the following: 1) accumulation start date. Provide missing accumulation start date for 55 gallon drum of used oil metal filters. Submit proof of corrective action to ACDEH within 30 days.

Violation Description:

Failure to properly manage used oil and/or fuel filters in accordance with the requirements.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 16 66266.81(b) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(b)
Violation Notes:

Returned to compliance on 10/26/2022.

Violation Description:

Failure to properly manage, store, and label a damaged lead acid battery in a nonreactive, structurally secure, closed container, and/or failure to label damaged lead acid battery with the date that the first battery in the container was placed there with ink, paint or other weather-resistant material so as to minimize the release of acid and lead and to protect the environment.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

The facility has not made a hazardous waste determination for the used paint booth filters. Complete one of the following options no later than 12/2/2022: 1. Manage used paint booth filters as hazardous waste. This includes storing them in closed, labeled containers and disposing of them within 90 days of reaching 100 kg (220 lbs total) of hazardous waste. 2. Prove that they are not hazardous by having them tested at a State-certified laboratory. To do this: contact a State-certified laboratory to request a TTLC/STLC (WET) test for CAM 17 metals, send them a sample of your used paint booth filters for testing, compare the test results to the regulatory thresholds for hazardous waste, and submit a copy of the test results to Alameda County CUPA.

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11
Violation Notes:

The facility has not made a hazardous waste determination for the fine metal powders generated during autobody repair. Complete one (1) of the following options no later than 12/2/2022: 1. Manage the fine metal powder generated during autobody repair as hazardous waste. This includes storing it in a closed, labeled container and disposing of it within 90 days of reaching 100 kg (220 lbs total) of hazardous waste. 2. Prove that the fine metal powder is not hazardous waste by having it tested at a State-certified laboratory. To do this: contact a State-certified laboratory to request a sieve analysis for 100-micron fines and a TTLC/STLC (WET) test for CAM 17 metals, send them a sample of your fine metal powder for testing, compare the test results to the regulatory thresholds for hazardous waste, and submit a copy of the test results to Alameda County CUPA.

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

The facility has not established an Emergency Response & Contingency Plan and submitted it to the California Environmental Reporting System (CERS). Only a blank template has was submitted on 12/21/2018. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Prepare and submit a complete Emergency Response & Contingency Plan to CERS no later than 12/2/2022. An updated template is available on the CERS website.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

Employees are not thoroughly familiar with hazardous waste handling procedures, as evidenced by: • Unlabeled hazardous waste solvent containers. • Unattended paint and waste solvent spills on the shelving, equipment, and floors around the hazardous waste storage area. • Uncontained fine metal powders/dust generated by autobody repair throughout the facility. • Approximately ten (10) 5-gallon containers of waste solvent stored offsite. These containers were unlabeled and left unattended in the vegetation in front of the business's service garage at 6995 Central Ave, Newark, CA 94560. • Failure to conduct weekly inspections of the hazardous waste containers and storage areas. • Failure to make a hazardous waste determination for their used paint booth filters and fine metal powders/dust generated by autobody repair. • The storage of hazardous waste onsite for more than 180 days without a storage facility permit from the Department of Toxic... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

The facility failed to submit a complete and accurate hazardous materials inventory to the California Environmental Reporting System (CERS). The inventory in CERS includes new oil, used oil, waste coolant, and freon R134A, but these materials have been relocated to the business's service garage at 6995 Central Ave, Newark, CA 94560. The facility's current reportable hazardous materials inventory includes: • Approximately 85 gallons of waste solvent stored in the hazardous materials storage area. • Approximately 216 cubic feet of shielding gas (75% argon, 25% carbon dioxide) stored in the welding area of the shop. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Submit an updated hazardous materials inventory to CERS no later than 12/2/2022. The updated inventory must include the waste solvent and shielding gas mentioned above.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2018. OBSERVATION: Facility owner has not submitted a complete and current Owner/Operator and Business Activities Form electronically to the California Environmental Reporting System (CERS). CORRECTIVE ACTION: Complete and submit a current Owner/Operator and Business Activities Form electronically in the California Environmental Reporting System (CERS) at http://cers.calepa.ca.gov/ within 30 days. Facility corrected on site by submitting above information in CERS.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 12/21/2018. OBSERVATION: The new facility owner has not submitted an Emergency Response Plan and procedures to CERS. CORRECTIVE ACTION: Submit an Emergency Response Plan and procedures electronically in CERS at http://cers.calepa.ca.gov/ within 30 days. Facility corrected on site by submitting above information in CERS.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174
Violation Notes:

The facility failed to inspect their hazardous waste storage area for leaking and deteriorating containers at least once per week. Inspect the hazardous waste storage area for leaking and deteriorating containers at least once per week, and maintain a log of the weekly inspections. Submit a copy of the log to Alameda County CUPA by 12/2/2022 to close this violation.

Violation Description:

Failure to inspect hazardous waste storage areas at least weekly and look for leaking and deteriorating containers.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25189.5(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a)
Violation Notes:

Returned to compliance on 11/09/2022. Approximately ten (10) unattended, unlabeled 5-gallon containers of waste solvent generated by this facility were observed in the vegetation behind the damaged vehicles stored in front of the service garage located at 6995 Central Ave, Newark, CA 94560. Facility management (Mohammed Omar Tahib) could not recall when or how this waste was transported, but did state that the waste was generated at Giant Bull Custom Auto House, 37600 Sycamore St, Newark, CA 94560. No damaged or leaking containers were observed. This is a Class I violation that may be subject to formal enforcement action. Discontinue this practice immediately and complete the following no later than 11/9/2022: • Properly label the unattended waste solvent containers as hazardous waste and move them into the service garage's hazardous waste storage area. • Submit pictures of the area where the waste solvent containers were observed after the area has been cleaned, and pictur... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

OBSERVATION: The facility leases the property and has not notified the property owner in writing that a Hazardous Material Business Plan (HMBP) is required for the business and complied with all of its provisions. CORRECTIVE ACTION: Submit documentation to ACDEH demonstrating that you have complied with this requirement within 30 days.

Violation Description:

Failure to notify property owner in writing that the business is subject to the business plan program and has complied with its provisions.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25163(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25163(a)
Violation Notes:

Returned to compliance on 12/02/2022. The facility failed to use a Department of Toxic Substance Control (DTSC) registered hazardous waste transporter to transport approximately ten (10) 5-gallon containers of waste solvent to their service garage at 6995 Central Ave, Newark, CA 94560. Facility management (Mohammed Omar Tahib) could not recall when or how this waste was transported, but did state that the waste was generated at Giant Bull Custom Auto House, 37600 Sycamore St, Newark, CA 94560. This is a Class I violation that may be subject to formal enforcement action. Use a DTSC-registered hazardous waste transporter for the transportation/disposal of the your current inventory of waste solvent. This violation will be closed when a copy of the Uniform Hazardous Waste Manifest for the next shipment of hazardous waste is submitted to Alameda County CUPA. *Please note that this facility generates less than 100 kg of hazardous waste each month and has the option to self-tran... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to use a DTSC registered hazardous waste transporter to transport hazardous waste.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 16 66266.81(a)(4)(B) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(4)(B)
Violation Notes:

Returned to compliance on 10/26/2022. The facility is missing disposal records for spent lead-acid batteries from 2016-2018. Facility manager states that the facility uses Pep Boys, Allied, and World Pac to dispose of spent lead-acid batteries. Immediately locate disposal records and receipts for lead-acid batteries for the last three years, maintain them on site, and submit copies to ACDEH within 30 days.

Violation Description:

Failure to retain for at least three years a legible copy of each manifest or bill of lading which identifies spent lead-acid storage batteries shipped to a person who stores the batteries or who uses, reuses, recycles or reclaims the batteries or their components.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 03/06/2019. Observed spills in the following areas:a. oil spills in secondary containment for hazardous waste storage area b. stains from bondo dust from prepping cars inside facility leading from indoors to outside near storm drain.Generator shall maintain and operate facility to minimize fire/explosion/release. Immediately clean up spills and dispose of waste properly. Submit proof of corrective action to ACDEH within 30 days.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 03/06/2019. Observed the following open hazardous waste containers:a) 5 gallon containers used to drain oil filters All hazardous waste containers shall be closed at all times except when adding or removing wastes. Immediately close these containers and ensure all hazardous waste containers are closed when not adding orremoving wastes. Submit proof of corrective action to ACDEH within 30 days.

Violation Description:

Failure to meet the following container management requirements:
(a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
(b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

The facility has failed to implement their Hazardous Materials Business Plan (HMBP) when handling hazardous materials at or above the reportable threshold quantities, as evidenced by: • A lack of hazardous materials/hazardous waste safety training. • Unattended paint and solvent spills throughout the hazardous waste storage area. • Uncontained fine metal powders/dust generated by autobody repair throughout the facility. • Approximately ten (10) 5-gallon containers of waste solvent observed outside, along the fence line of the business's service garage at 6995 Central Ave, Newark, CA 94560. • Fire extinguishers without annual service tags (or evidence of annual service/maintenance). • A missing fire extinguisher near the paint booth. • Outdated contact, inventory, and emergency response plan information in the California Environmental Reporting System (CERS). This is a repeated Class II violation that is being elevated to a Class I viol... [TRUNCATED: Refer to full Inspection Report]

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Notes:

OBSERVATION: As demonstrated by the hazardous waste violations observed at the time of inspection (improper labeling, oil in secondary containment), personnel are not adequately trained to perform their duties in a way that ensures the facility's compliance with hazardous waste laws and regulations, and/or employee training records have not been kept or do not contain all required information. CORRECTIVE ACTION: Conduct training with applicable personnel and document it according to the requirements of 22 CCR 15 66265.16(d). Submit a copy of the documentation to ACDEH within 30 days.

Violation Description:

Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

The facility failed to submit a complete and accurate Hazardous Materials Business Plan (HMBP) to the California Environmental Reporting System (CERS) at least once every three (3) years. The last submittal was 12/21/2018. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Prepare/submit your HMBP to CERS (https://cers.calepa.ca.gov/) no later than 12/2/2022. The HMBP submittal must include: • The facility's information (including business activities and business owner/operator identification) • A complete inventory of the hazardous materials stored onsite • A site map • Emergency response and training plans • Annual training documentation for all facility personnel

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 10/26/2022 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Notes:

The facility failed to update their Hazardous Materials Business Plan (HMBP) in the California Environmental Reporting System (CERS) within 30 days of making a substantial change in operations. The facility was previously a service garage and is now an autobody shop. Update your HMBP in CERS so that it accounts for the new business operations no later than 12/2/2022, and within 30 days of any one of the following events: • A 100% or more increase in the quantity of a previously reported hazardous material. • Any handling of a previously unreported hazardous materials at or above reportable quantities. • A change of business address, business ownership, or business name. • A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violation Description:

Failure to electronically update business plan within 30 days of any one of the following events:
A 100 percent or more increase in the quantity of a previously disclosed material.
Any handling of a previously undisclosed hazardous materials at or above reportable quantities.
A change of business address, business ownership, or business name.
A substantial change in the handler's operations that requires modification to any portion of the business plan.

Violations

Violation Date: 12/21/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 16 66266.81(a)(1) - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.81(a)(1)

Violation Notes:

Returned to compliance on 10/26/2022. The facility is missing disposal records for spent lead-acid batteries from 2016-2018. Facility manager states that the facility uses Pep Boys, Allied, and World Pac to dispose of spent lead-acid batteries. Immediately locate disposal records and receipts for lead-acid batteries for the last three years, maintain them on site, and submit copies to ACDEH within 30 days.

Violation Description:

Failure to meet the spent lead acid battery management requirements, when handling, storing, or transporting more than 10 lead acid batteries at any one time.

Violations

Violation Date: 10/26/2022
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)
Violation Notes:

The site map in the California Environmental Reporting System is not accurate. It includes the layout and hazardous materials inventory for the facility's previous operations as a service garage. The facility has changed its layout and is now an autobody shop. This is a repeated Class II violation that is being elevated to a Class I violation, which may be subject to formal enforcement action. Submit an updated site map to CERS no later than 12/2/2022. The map must include: • A north orientation arrow • Loading areas • Internal roads • Adjacent streets • Storm drains • Sewer drains • Access and exit points • Emergency shutoffs (power, gas, water) • Evacuation staging areas • Hazardous material handling and storage areas, • Emergency response equipment

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Evaluations

Eval Date: 12/09/2022
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspector Luke Voropaeff was onsite to conduct a follow-up inspection to the 10/26/2022 Hazardous Waste Generator inspection. Consent to inspect was provided by the manager, Mohammed Omar Tahib. As of today, 12/9/2022, the facility has consolidated the contents of the 5-gallon waste solvent drums left at the 6995 Central Ave, Newark location into a single 55-gallon drum stored just outside the rollup door to the main building at 6995 Central Ave, Newark. This single drum is closed and properly labeled as hazardous waste. The facility has also corrected hazardous waste violations 7, 25, 26, 28, 32, and 77 in the 10/26/2022 Hazardous Waste Generator inspection report. However, all other violations remain uncorrected. Please note that uncorrected violations must be corrected as soon as possible as they are subject to review for further enforcement action. The report for this inspection was emailed to giantbullc... [TRUNCATED: Refer to full Inspection Report]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/26/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspector Luke Voropaeff was onsite to conduct a routine Hazardous Materials Business Plan (HMBP) inspection. Consent to inspect was provided by the manager, Mohammed Omar Tahib. • Giant Bull Custom Auto House has changed their business operations from automotive service/repair to autobody repair. • The facility qualifies for the HMBP program because it stores more than 55 gallons of waste solvent and more than 200 cubic feet of shielding gas (75% argon, 25% carbon dioxide) onsite. • The facility has the option to remove itself from the HMBP program requirements by reducing the amount of waste solvent stored onsite to below 55 gallons, and by reducing the amount of shielding gas stored onsite to below 200 cubic feet. The inspection report was not written onsite due to Alameda County CUPA's social distancing policy during the COVID-19 pandemic. It was emailed to giantbullcustomautohouse@gmail.com and daniu1021@gmail.com on 11/2/2022.; Note: data in [EVAL Notes] field for

some records is truncated from the source.

Eval Date: 02/03/2022
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/26/2022
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspector Luke Voropaeff was onsite to conduct a routine Hazardous Waste Generator inspection. Consent to inspect was provided by the manager, Mohammed Omar Tahib. • Giant Bull Custom Auto House has changed their business operations from automotive service/repair to autobody repair that generates less than 100 kg of hazardous waste each month. • Observed hazardous waste streams included used paint booth filters, fine metal powders/dust generated from autobody repair, and waste solvents. • The facility qualifies as a Conditionally Exempt Small Quantity Universal Waste Generator. The inspection report was not written onsite due to Alameda County CUPA's social distancing policy during the COVID-19 pandemic. It was emailed to giantbullcustomautohouse@gmail.com and daniu1021@gmail.com on 11/2/2022.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/09/2022
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County CUPA inspector Luke Voropaeff was onsite to conduct a follow-up inspection to the 10/26/2022 Hazardous Materials Business Plan (HMBP) inspection. Consent to inspect was provided by the manager, Mohammed Omar Tahib. As of today, 12/9/2022, no corrections have been made to the violations outlined in the 10/26/2022 inspection report. Please note that uncorrected violations must be corrected as soon as possible as they are subject to review for further enforcement action. The report for this inspection was emailed to giantbullcustomautohouse@gmail.com and daniu1021@gmail.com on 12/16/2022.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 12/21/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 12/21/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc:	CUPA District
Entity Name:	Alameda County Env Health
Entity Title:	
Address:	1131 Harbor Parkway, Suite 240
City:	Alameda
State:	CA
Country:	
Zip Code:	94502-6577
Phone:	(510) 567-6700

Affil Type Desc:	Property Owner
Entity Name:	LARRY LIRA
Entity Title:	
Address:	
City:	
State:	
Country:	United States
Zip Code:	
Phone:	(650) 740-3710

Affil Type Desc:	Document Preparer
Entity Name:	RUSHIT PATEL
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Identification Signer
Entity Name:	SHUN GUO
Entity Title:	CEO
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Environmental Contact
Entity Name:	RUSHIT PATEL
Entity Title:	
Address:	37600 SYCAMORE STREET
City:	NEWARK
State:	CA
Country:	
Zip Code:	94560
Phone:	

Affil Type Desc:	Operator
Entity Name:	SHUN GUO
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(510) 493-6032

Affil Type Desc:	Legal Owner
Entity Name:	SHUN GUO
Entity Title:	
Address:	37600 SYCAMORE STREET
City:	NEWARK
State:	CA
Country:	United States
Zip Code:	94560
Phone:	(510) 493-6032

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc: Parent Corporation
Entity Name: GIANT BULL CUSTOM AUTO HOUSE
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 37600 SYCAMORE STREET
City: NEWARK
State: CA
Country:
Zip Code: 94560
Phone:

Coordinates

Env Int Type Code: HMBP
Program ID: 10779571
Latitude: 37.526200
Longitude: -122.030410
Coord Name:
Ref Point Type Desc: Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
27	2 of3	WNW	0.12 / 644.83	20.79 / 2	GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE 37600 SYCAMORE ST NEWARK CA 94560	RCRA TSD

EPA Handler ID: CAL000417841
Gen Status Universe: No Report
Contact Name: SHUN D GUO
Contact Address: 37600 SYCAMORE ST , , NEWARK , CA, 94560 , US
Contact Phone No and Ext: 510-379-5699
Contact Email: GIANTBULLCUSTOMAUTOHOUSE@GMAIL.COM
Contact Country: US
Land Type:
County Name: ALAMEDA
EPA Region: 09
Receive Date: 20221108
Location Latitude: 37.526032
Location Longitude: -122.030511

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20160608
Handler Name: GIANT BULL INC
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20221108
Handler Name: GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer
TSD Activity: N

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: GIANT BULL INC
Date Became Current:
Date Ended Current:
Phone: 510-379-5699
Source Type: Implementer
Street No:
Street 1: 36565 FREMONT BLVD
Street 2:
City: FREMONT
State: CA
Country: US
Zip Code: 94536

Owner/Operator Ind: Current Owner
Type: Other
Name: GIANT BULL INC
Date Became Current:
Date Ended Current:
Phone: 510-493-6032
Source Type: Implementer
Street No:
Street 1: 36565 FREMONT BLVD
Street 2:
City: FREMONT
State: CA
Country:
Zip Code: 94536

Owner/Operator Ind: Current Operator
Type: Other
Name: SHUN GUO
Date Became Current:
Date Ended Current:
Phone: 510-379-5699
Source Type: Implementer
Street No:
Street 1: 37600 SYCAMORE STREET
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560-0000

Historical Handler Details

Receive Dt: 20160608
Generator Code Description: Not a Generator, Verified
Handler Name: GIANT BULL INC

27	3 of3	WNW	0.12 / 644.83	20.79 / 2	GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE 37600 SYCAMORE ST NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000417841
Gen Status Universe: No Report

Contact Name:	SHUN D GUO
Contact Address:	37600 SYCAMORE ST , , NEWARK , CA, 94560 , US
Contact Phone No and Ext:	510-379-5699
Contact Email:	GIANTBULLCUSTOMAUTOHOUSE@GMAIL.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20221108
Location Latitude:	37.526032
Location Longitude:	-122.030511

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20160608
Handler Name:	GIANT BULL INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20221108
Handler Name:	GIANT BULL INC DBA GIANT BULL CUSTOM AUTO HOUSE
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37600 SYCAMORE STREET
Name:	SHUN GUO	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-379-5699	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	36565 FREMONT BLVD
Name:	GIANT BULL INC	**Street 2:**	
Date Became Current:		**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-379-5699	**Country:**	US
Source Type:	Implementer	**Zip Code:**	94536

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	36565 FREMONT BLVD
Name:	GIANT BULL INC	**Street 2:**	
Date Became Current:		**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	510-493-6032	**Country:**	
Source Type:	Implementer	**Zip Code:**	94536

Historical Handler Details

Receive Dt:	20160608
Generator Code Description:	Not a Generator, Verified
Handler Name:	GIANT BULL INC

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28 | ***1 of2*** | ***NNE*** | ***0.12 / 652.85*** | ***22.53 / 3*** | ***Silicon Valley Manufacturing, Inc.***
6520 CENTRAL AVE
NEWARK CA 94560 | ***CERS HAZ***

Site ID:	402217
Latitude:	37.528034
Longitude:	-122.025650

Regulated Programs

EI ID:	10414525	**EI Description:**	Chemical Storage Facilities
EI ID:	10414525	**EI Description:**	Hazardous Waste Generator

Violations

Violation Date:	06/27/2018	**Violation Source:**	CERS
Violation Program:	HW	**Violation Division:**	Alameda County Environmental Health
Citation:	22 CCR 12 66262.11 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.11		
Violation Notes:			

Returned to compliance on 07/10/2018. OBSERVATIONS: Facility is currently vacuuming up fine grinding waste and disposing of it in the trash. CORRECTIVE ACTIONS: Facility is to either analyze the fine grinding waste for micron size and metals to determine if it meets the hazardous waste criteria or to manage it as a hazardous waste. Facility is to either submit analytical data from a certified lab showing the results of the micron size and the testing of metals in the waste grinding dust or to submit a written statement saying that the grinding dust will be handled as a hazardous waste (closed container, hazardous waste labeling, etc.)

Violation Description:

Failure to determine if wastes generated are hazardous waste by using generator knowledge or applying testing method.

Violations

Violation Date:	06/10/2015	**Violation Source:**	CERS
Violation Program:	HMRRP	**Violation Division:**	Alameda County Environmental Health
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
Violation Notes:			

Returned to compliance on 08/12/2015. OBSERVATION: The site map submitted to CERS does not include loading areas, internal roads, adjacent streets, storm and sewer drains and evacuation staging areas. CORRECTIVE ACTION: Revise the site map to include all required content and submit electronically in the California Environmental Reporting System (CERS).

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 06/27/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 262.34(d)(5)(ii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(ii)
Violation Notes:

Returned to compliance on 07/10/2018. OBSERVATION: Generator failed to post, next to the telephone, Emergency Information containing the location of emergency equipment, contact names and numbers. CORRECTIVE ACTION: Facility shall immediately post, next to the telephone, emergency information that contains the required information in accordance with Title 22. Provide a written statement saying this was completed.

Violation Description:

Failure to post the following information next to the telephone:
(A) The name and telephone number of the emergency coordinator;
(B) Location of fire extinguishers and spill control material, and, if present, fire alarm; and
(C) The telephone number of the fire department, unless the facility has a direct alarm.

Violations

Violation Date: 02/22/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.5 25144.6(b) - California Health and Safety Code, Chapter 6.5, Section(s) 25144.6(b)
Violation Notes:

Returned to compliance on 02/22/2023. Observed shop rags that were used with coolant and oil, in an open container without proper labeling. Keep containers containing hazardous waste closed, except when actively filling/emptying the container. The label must contain the following information: "HAZARDOUS WASTE," the initial accumulation start date, the name and address of the generator producing the waste, and the composition and physical state of the wastes. Prior to the inspection report being finalized, photo documentation was received from facility that the waste was in a closed and labeled container. Violation corrected.

Violation Description:

Failure to properly manage reusable soiled textile materials prior to being sent for laundering.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/12/2015. OBSERVATIONS: Page 4 of the Emergency Response/Contingency Plan is missing from the CERS submittal. CORRECTIVE ACTIONS: Upload the entire ER/Contingency Plan to CERS.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 06/27/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Notes:

Returned to compliance on 06/27/2018. OBSERVATION: The hazardous waste label on the 55 gallon oily water drum is missing the hazardous properties and physical state. All hazardous waste containers shall be marked with the following information: 1) the words "Hazardous Waste"; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: The waste oily water drum was relabeled during this inspection. No further action is necessary to correct this violation.

Violation Description:

Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 08/12/2015. OBSERVATIONS: The chemical inventory in CERS does not include waste oily water or the coolant stored inside the machines and the largest container size for the recycling unit is incorrect. CORRECTIVE ACTIONS: Facility is to update CERS with the above listed items.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Notes:

Returned to compliance on 08/12/2015. OBSERVATIONS: The chemical inventory in CERS does not include waste oily water or the coolant stored inside the machines and the largest container size for the recycling unit is incorrect. CORRECTIVE ACTIONS: Facility is to update CERS with the above listed items.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/27/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 07/10/2018. OBSERVATIONS: Facility is using small, open containers to catch oil skimmed off of the machines. One container is an old Pine Sol container, the other is an open 1 gallon plastic container. CORRECTIVE ACTIONS: Facility is to provide adequate closed containers to attach directly to the machines. Containers must be closed but can having tubing attached to them through the lids. Provide a photo of the new containers.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 07/02/2014 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

Violation Notes:

Returned to compliance on 07/11/2014.

Violation Description:

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 08/12/2015. OBSERVATION: Annual training for hazardous materials handling and emergency response procedures has not taken place. CORRECTIVE ACTION: Train all employees in emergency response procedures and train applicable employees in hazardous materials handling procedures. Submit documentation to the CUPA demonstrating that employees have received this training.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 02/22/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 12 66262.34(e) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(e)
Violation Notes:

Returned to compliance on 02/22/2023. Observed waste oil buckets that were not labeled with the accumulation start date. The container must be clearly marked with the initial date that hazardous waste is first placed in the container, the name and address of the generator producing the waste, the composition and physical state of the waste, and toxic properties. This was corrected before the report was finalized. Violation corrected. Prior to the inspection report being finalized, photo documentation was received from facility that the container was properly labeled. Violation corrected.

Violation Description:

Failure to meet the following conditions of satellite accumulation regulations:

• Accumulate up to 55 gallons of hazardous waste or one quart of acute hazardous waste at or near the initial point of accumulation which was under the control of the operator.

• Total time hazardous waste can be accumulated onsite in any generator accumulation area is one year, i.e., the combined accmulation time at a satellite accumulation point and at a 90/180/270 accumulation area (depending on size of generator and distance transported), whichever comes first.

• The generator complies with section 66265.171, 66265.172, and 66265.173(a).

• The container must be clearly marked with the initial date that hazardous waste is first placed in the container and labelled with the words "Hazardous Waste" including specified information

• Container must be labelled with the date the satellite accumulation limit is reached and moved within three days after reaching the 55 gallon (or one quart) limit to a "90 day" accumulation area

• 55 gallons (or one quart of acute hazardous waste) of waste per process may be accumulated

Violations

Violation Date: 06/27/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 07/10/2018. OBSERVATIONS: The Emergency Response Plan submitted to CERS needed several minor edits.

CORRECTIVE ACTIONS: Facility is to update the Emergency Response Plan and resubmit it to CERS.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 06/10/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Alameda County Environmental Health
Citation: HSC 6.95 25505.1 - California Health and Safety Code, Chapter 6.95, Section(s) 25505.1
Violation Notes:

Returned to compliance on 08/12/2015. OBSERVATION: The facility leases/rents the property and has not notified the property owner in writing that a HMBP is required for the business and has complied with all of its provisions. CORRECTIVE ACTION: Submit documentation to the CUPA demonstrating that you have notified the property owner in writing that your facility is required to have a HMBP.

Violation Description:

Failure to provide a copy of the business plan to the owner or the owner's agent within five working days after receiving a request for a copy from the owner or the owner's agent.

Violations

Violation Date: 02/22/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 22 CCR 23 66273.31(a) - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.31(a)
Violation Notes:

Returned to compliance on 02/22/2023. Did not observe receipts/manifests for e-waste that was disposed of. Ensure that all universal wastes are transferred to an appropriate destination facility and properly disposed. Keep records of proper disposal. Records were emailed to inspector prior to the report being finalized. Violation corrected.

Violation Description:

Failure of the universal waste handler to prevent improper disposal of universal waste, or to transfer universal waste to the appropriate destination facility.

Violations

Violation Date: 02/22/2023 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Alameda County Environmental Health
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Notes:

Returned to compliance on 02/22/2023. A drum of used oil had a bung hole that was open. A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. The hole was closed on site. Violation corrected.

Violation Description:

Failure to meet the following container management requirements:
(a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste.
(b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.

Evaluations

Eval Date: 06/10/2015
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health

Eval Program: HW
Eval Source: CERS
Eval Notes:

Facility recycles coolant from machines onsite and generate approximately one 55 gallon drum of oily water every two to three months. No violations were observed for the Hazardous Waste Generator program.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/22/2023
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alameda County Department of Environmental Health (ACDEH) was onsite to conduct a routine triennial hazardous waste generator (HWG) inspection. ACDEH was granted consent to inspect by Kim Serpa. The facility is a metal/plastic parts manufacturer. Hazardous waste generated includes waste oil, oily debris, and metal shavings. In April, May, June, and August of 2020, it appears that this facility generated over 1000 kilograms of hazardous waste. Spoke to operator who stated that this amount of waste generation was due to the facility switching the type of coolant that they use and having to dispose of all of the old coolant. The facility changes the type of coolant they use every few years, but they don't expect to do as a large of a disposal of old coolant as they did in 2020. Decision made to keep facility as a small quantity generator. Industrial metal recycling disposes of scrap metal waste. All violation cor... [TRUNCATED: Refer to full Inspection Report]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/10/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

The last Hazardous Materials Business Plan (HMBP) was submitted to the California Environmental Reporting System (CERS) on July 11, 2014. All violations noted in this HMBP inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame. CERTIFICATION OF RETURN TO COMPLIANCE I certify that the violation(s) noted in this HMBP inspection report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected. PRINT: _____ SIGN:_____ TITLE: _____ DATE:_____; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

On site today with Kim Serpa, SVP of Business Development & Operations for Silicon Valley Manufacturing. Ms. Serpa granted permission to conduct the inspection. All violations noted in this Hazardous Waste Generator inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame. CERTIFICATION OF RETURN TO COMPLIANCE I certify that the violation(s) noted in this Hazardous Waste Generator inspection report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected. Facility Name: Silicon Valley Manufacturing Facility Address: 6520 Central Avenue, Newark, CA 94560 PRINT: _____ SIGN: _____ TITLE: _____ DATE: _____; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 07/02/2014
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval Notes:

HMBP NOV LETTER; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 06/27/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

On site today with Kim Serpa, SVP of Business Development & Operations for Silicon Valley Manufacturing. Ms. Serpa granted permission to conduct the inspection. Facility is to ensure that all drums used for metal/parts/etc are clearly labeled with their contents. Remove old labels to avoid confusion. Verify the amount of water soluble oil in the machines. Update in CERS if necessary. All violations noted in this HMBP inspection report are to be corrected within 30 days and proof of those corrections submitted to this office in the same time frame. CERTIFICATION OF RE TURN TO COMPLIANCE I certify that the violation(s) noted in this HMBP inspection report have been corrected. I have personally examined any documentation attached to the certification to establish that the violations have been corrected. Facility Name: Silicon Valley Manufacturing Facility Address: 6520 Central Avenue, Newark, CA 94560 PRINT: _____ [Truncated]; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/22/2023
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Alameda County Environmental Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alameda County Department of Environmental Health (ACDEH) was onsite to conduct a routine triennial hazardous materials business plan (HMBP) inspection. ACDEH was granted consent to inspect by Kim Serpa. The facility is a metal/plastic parts manufacturer. No violations. Continue to annually update/recertify the HMBP in the California Environmental Reporting System (CERS). A complete HMBP certification consists of Facility Information, Hazardous Materials Inventory, and Emergency Response and Training Plans. Alameda County HMBP permit is current and expires 7/31/23.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Parent Corporation
Entity Name: Silicon Valley Manufacturing, Inc.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Alameda County Env Health
Entity Title:
Address: 1131 Harbor Parkway, Suite 240
City: Alameda
State: CA
Country:
Zip Code: 94502-6577
Phone: (510) 567-6700

Affil Type Desc: Document Preparer
Entity Name: Edith Navarro
Entity Title:
Address:
City:
State:
Country:

Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Kim Serpa
Entity Title:
Address: 6520 Central Ave
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 6520 Central Ave
City: Newark
State: CA
Country:
Zip Code: 94560
Phone:

Affil Type Desc: Identification Signer
Entity Name: Edith Navarro
Entity Title: Controller
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Legal Owner
Entity Name: SVM Machining, Inc.
Entity Title:
Address: 6520 Central Ave
City: Newark
State: CA
Country: United States
Zip Code: 94560
Phone: (510) 791-9450

Affil Type Desc: Operator
Entity Name: Silicon Valley Mfg.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (510) 791-9450

Affil Type Desc: Property Owner
Entity Name: MKS Holdings, LLC
Entity Title:
Address: 6520 Central Ave
City: Newark
State: CA
Country: United States
Zip Code: 94560
Phone: (510) 791-9450

Coordinates

Env Int Type Code: HMBP
Program ID: 10414525
Latitude: 37.528030
Longitude: -122.025660
Coord Name:
Ref Point Type Desc: Center of a facility or station.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
28	2 of2	NNE	0.12 / 652.85	22.53 / 3	SILICON VALLEY MANUFACTURING INC 6520 CENTRAL AVE NEWARK CA 94560-3933	RCRA NON GEN

EPA Handler ID: CAL000327105
Gen Status Universe: No Report
Contact Name: EDITH NAVARRO
Contact Address: 6520 CENTRAL AVE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-791-9450
Contact Email: EDITH_NAVARRO@SVMFG.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20071127
Location Latitude: 37.528329
Location Longitude: -122.026029

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20071127
Handler Name: SILICON VALLEY MANUFACTURING INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: SILICON VALLEY MANUFACTURING INC
Date Became Current:
Date Ended Current:
Phone: 510-791-9450
Source Type: Implementer
Street No:
Street 1: 6520 CENTRAL AVE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560-3933

Owner/Operator Ind: Current Operator
Street No:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Type:	Other	**Street 1:**	6520 CENTRAL AVE
Name:	EDITH NAVARRO	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-791-9450	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
29	1 of1	W	0.14 / 746.07	23.12 / 4	CROWN MANUFACTURING NEWARK CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CWA; RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014445004023	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	Y
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	72.053	**TRI Reporter:**	-
Fac Pop Den:	3818.13	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	1
Region:	09	**Date Last Inspection:**	10/9/2019
Latitude:	37.5255	**Days Last Inspection:**	1515
Longitude:	-122.03132		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	CAW508767 CAZ513547		
CWA Permit Types:	Non-M		
CWA NAICS:	-		
CWA SICS:	3083		
RCRA IDs:	CAL000254563		
RCRA Permit Types:	Other		
RCRA NAICS:	325991		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	N		
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER		
EJSCREEN Flag Us:	Y		
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.03132,%22y%22:37.5255,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1		
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110066010952		
Industry:	Plastics and Resins		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
30	1 of3	W	0.14 / 759.79	23.12 / 4	CROWN MANUFACTURING COMPANY 37625 SYCAMORE ST. NEWARK CA 94560	DELISTED CTNK

Site ID:	390863	**Latitude:**	37.525497
County:		**Longitude:**	-122.031370

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Type:
Original Source: CTNK
Record Date: 29-NOV-2018

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30 | ***2 of3*** | ***W*** | ***0.14 / 759.79*** | ***23.12 / 4*** | ***CROWN MANUFACTURING***
37625 SYCAMORE ST
NEWARK CA 94560 | ***RCRA NON GEN***

EPA Handler ID: CAL000254563
Gen Status Universe: No Report
Contact Name: JOHN COFFMAN
Contact Address: 37625 SYCAMORE ST , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-742-8800
Contact Email: JOHN@CROWN-PLASTICS.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20020625
Location Latitude: 37.526178
Location Longitude: -122.030904

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20020625
Handler Name: CROWN MANUFACTURING
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: JOHN COFFMAN
Date Became Current:
Date Ended Current:
Phone: 510-742-8800

Street No:
Street 1: 37625 SYCAMORE ST
Street 2:
City: NEWARK
State: CA
Country:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Implementer	**Zip Code:**	94560
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	37625 SYCAMORE ST
Name:	AZIZ SHARIAT	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-742-8800	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

30	3 of3	W	0.14 / 759.79	23.12 / 4	**CROWN MANUFACTURING COMPANY** **37625 SYCAMORE ST** **NEWARK CA**	**AST ALAMEDA**

Fac ID:	FA0310573	**Owner ID:**	OW0313324
Owner Name:	Mr. Aziz Shariat		

Program Details

PE:	5202	**CurrInspectionDate:**	6/26/2021
Status:	INACTIVE	**LastInspectDate:**	6/9/2015
Description:	APSA SPCC 1,320 GALLONS TO 5,000 GALLONS		

31	1 of3	ESE	0.15 / 777.58	22.47 / 3	**RECALL NORTH AMERICA** **6730 REDEKER PLACE** **NEWARK CA 94560**	**EMISSIONS**

2008 Criteria Data

Facility ID:	17809	**CERR Code:**	
Facility SIC Code:	5093	**TOGT:**	
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.25
CHAPIS:		**PM10T:**	5.625

2008 Toxic Data

Facility ID:	17809	**COID:**	ALA
Facility SIC Code:	5093	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	17809	**CERR Code:**	
Facility SIC Code:	5093	**TOGT:**	
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.25
CHAPIS:		**PM10T:**	5.625

2009 Toxic Data

Facility ID:	17809	***COID:***	ALA
Facility SIC Code:	5093	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	17809	***COID:***	ALA
Facility SIC Code:	5093	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	17809	***CERR Code:***	
Facility SIC Code:	5093	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	6.25
CHAPIS:		***PM10T:***	5.625

2011 Toxic Data

Facility ID:	17809	***COID:***	ALA
Facility SIC Code:	5093	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	17809	***CERR Code:***	
Facility SIC Code:	5093	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	4.8611111111111111111111111111111111111111
CHAPIS:		***PM10T:***	4.375

2012 Toxic Data

Facility ID:	17809	***COID:***	ALA

Facility SIC Code:	5093	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	17809	***CERR Code:***	
Facility SIC Code:	5093	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	6.25
CHAPIS:		***PM10T:***	4.375

2013 Toxic Data

Facility ID:	17809	***COID:***	ALA
Facility SIC Code:	5093	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	17809	***CERR Code:***	
Facility SIC Code:	5093	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	6.249999225
CHAPIS:		***PM10T:***	4.374999411

2014 Toxic Data

Facility ID:	17809	***COID:***	ALA
Facility SIC Code:	5093	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	17809	***CERR Code:***	
Facility SIC Code:	5093	***TOGT:***	
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	

DISN:	BAY AREA AQMD	**PMT:**	6.249999
CHAPIS:		**PM10T:**	4.374999

2015 Toxic Data

Facility ID:	17809	**COID:**	ALA
Facility SIC Code:	5093	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	17809	**CERR CODE:**	
Facility SIC Code:	5093	**TOGT:**	
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.249999225
CHAPIS:		**PM10T:**	4.374999411

2016 Toxic Data

Facility ID:	17809	**TS:**	
Facility SIC Code:	5093	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	ALA	**AH Index:**	
CO:	1	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	17809	**CERR Code:**	
Facility SIC Code:	5093	**TOGT:**	
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.249999225
CHAPIS:		**PM10T:**	4.374999411

2017 Toxic Data

Facility ID:	17809	**COID:**	ALA
Facility SIC Code:	5093	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	17809	**CERR Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code:	5093	**TOGT:**	
CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	6.254146464
CHAPIS:		**PM10T:**	4.377902478

2018 Toxic Data

Facility ID:	17809	**COID:**	ALA
Facility SIC Code:	5093	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
Facility ID:	17809	**ROGT:**	
District:	BA	**COT:**	
Facility SIC Code:	5093	**NOXT:**	
CO ID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD		
PM10T:	4.377902478		
TOGT:			
PMT:	6.254146464		

2019 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Faccility ID:	17809	**CERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	5093	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	2 of3	ESE	0.15 / 777.58	22.47 / 3	**IRON MOUNTAIN** **6730 REDEKER PLACE** **NEWARK CA 94560**	**RCRA NON GEN**

EPA Handler ID:	CAC003215982
Gen Status Universe:	No Report
Contact Name:	IRON MOUNTAIN
Contact Address:	6730 REDEKER PLACE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-385-5710
Contact Email:	HENRY.WIGHT@IRONMOUNTAIN.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20230203
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20230203
Handler Name:	IRON MOUNTAIN
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	6730 REDEKER PLACE
Name:	IRON MOUNTAIN	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-385-5710	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	6730 REDEKER PLACE
Name:	IRON MOUNTAIN	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-203-6412	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
31	3 of3	ESE	0.15 / 777.58	22.47 / 3	IRON MOUNTAIN 6730 REDEKER PLACE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAC003239292
Gen Status Universe:	No Report
Contact Name:	HENRY WIGHT
Contact Address:	6730 REDEKER PLACE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-203-5769
Contact Email:	HENRY.WIGHT@IRONMOUNTAIN.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20230627
Location Latitude:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20230627
Handler Name:	IRON MOUNTAIN
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	6730 REDEKER PLACE
Name:	HENRY WIGHT	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-203-5769	***Country:***	
Source Type:	Implementer	***Zip Code:***	94560

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	6730 REDEKER PLACE
Name:	IRON MOUNTAIN	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-203-5769	***Country:***	
Source Type:	Implementer	***Zip Code:***	94560

32	***1 of3***	***NE***	***0.15 / 787.51***	***22.45 / 3***	***NEWARK PLANT-CHERRY ST WAREHOU 37707 CHERRY STREET NEWARK CA 94560***	***HHSS***

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0003600d.pdf

32	***2 of3***	***NE***	***0.15 /***	***22.45 /***	***NEWARK PLANT-CHERRY ST***	***HIST TANK***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			787.51	3	WAREHOU 37707 CHERRY STREET NEWARK CA	

Owner Name:	GUARDIAN PACKAGING CORPORATION	**No of Containers:**	1
Owner Street:	6590 CENTRAL AVE	**County:**	ALAMEDA
Owner City:	NEWARK	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	94560
Owner Zip:	94560		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
32	3 of3	NE	0.15 / 787.51	22.45 / 3	MISSION LINEN SUPPLY 37707 CHERRY ST NEWARK CA	DRYCLEANERS

EPA ID:	CAC002943297	**Owner City:**	SANTA BARBARA
Create Date:	1/9/2018	**Owner State:**	CA
Facility Act Ind:	No	**Owner Zip:**	93102
Inact Date:	4/11/2018	**Owner Phone:**	8059631841
Reason:	SIC/NAICS	**Owner Fax:**	8057303638
Region Code:	2	**Contact Name:**	STAN MITCHELL
DD Latitude:	37.528043	**Contact Street 1:**	7522 REESE RD
DD Longitude:	-122.024484	**Contact Street 2:**	
Facility County Code:	(01) ALAMEDA	**Contact City:**	SACRAMENTO
Mail Name:		**Contact State:**	CA
Owner Name:	MISSION LINEN SUPPLY	**Contact Zip:**	95828
Owner Street 1:	PO BOX 1299	**Contact Phone:**	9164233179
Owner Street 2:		**Contact Fax:**	9166898375

NAICS Details

NAICS Code:	812331
NAICS Description:	Linen Supply
SIC Code:	7219
SIC Description:	Linen Supply

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
33	1 of1	SSW	0.15 / 798.56	16.89 / -2	CARGILL SALT NEWARK INDUSTRIAL STORMWATER NEWARK CA	PFAS IND

Status:	Inactive	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CWA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014443022027	**Fac Snc Flg:**	N
Fac Informal Count:	1	**AIR Flag:**	N
Last Informal Action:	7/21/2020	**NPDES Flag:**	Y
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	N
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	6	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	70.207	**TRI Reporter:**	-
Fac Pop Den:	3416.04	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA COUNTY	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.52106	**Days Last Inspection:**	-
Longitude:	-122.02888		
Fac Derived Tribes:	-		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	CAZ180699
CWA Permit Types:	Non-M
CWA NAICS:	-
CWA SICS:	2899
RCRA IDs:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	-
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02888,%22y%22:37.52106,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110070087288
Industry:	Chemical Mfg

34	1 of7	ESE	0.15 / 799.43	21.02 / 2	**FORMER UNOCAL 306429** **6800 ROBERTSON AVE** **NEWARK CA 94560**	RCRA LQG

EPA Handler ID:	CAD097071047
Gen Status Universe:	Large Quantity Generator
Contact Name:	KATHY L NORRIS
Contact Address:	PO BOX 6004 , , SAN RAMON , CA, 94583 , US
Contact Phone No and Ext:	877-386-3774
Contact Email:	NAWTDESK@CHEVRON.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20120116
Location Latitude:	37.526984
Location Longitude:	-122.021927

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19800812
Handler Name: UNION CHEMICALS DIV UNION OIL CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920228
Handler Name: UNION CHEMICALS
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19960901
Handler Name: UNION CHEMICALS DIV UNION OIL CO
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19960901
Handler Name: UNION CHEMICALS DIV UNION OIL CO
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20120116
Handler Name: FORMER UNOCAL 306429
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Dt Became Current:
Dt Ended Current:
Phone: 415-555-1212
Source Type: Implementer
Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	RBC LLC	**Street 2:**	
Dt Became Current:	20050901	**City:**	
Dt Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	UNION OIL OF CALIFORNIA	**Street 2:**	
Dt Became Current:		**City:**	NOT REQUIRED
Dt Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	38021 CHERRY ST
Name:	RBC LLC	**Street 2:**	
Dt Became Current:	20050901	**City:**	NEWARK
Dt Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	94560

Historical Handler Details

Receive Dt:	19960901
Generator Code Description:	Large Quantity Generator
Handler Name:	UNION CHEMICALS DIV UNION OIL CO

Receive Dt:	19960901
Generator Code Description:	Small Quantity Generator
Handler Name:	UNION CHEMICALS DIV UNION OIL CO

Receive Dt:	19920228
Generator Code Description:	Large Quantity Generator
Handler Name:	UNION CHEMICALS

Receive Dt:	19800812
Generator Code Description:	Large Quantity Generator
Handler Name:	UNION CHEMICALS DIV UNION OIL CO

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34 | ***2 of7*** | ***ESE*** | ***0.15 / 799.43*** | ***21.02 / 2*** | ***UNOCAL CHEMICALS 6800 ROBERTSON AVE NEWARK CA 94560*** | ***CLEANUP SITES***

Global ID:	T0600101484	**Case Type (DL):**	
Site Facility Type:		**Census Tract:**	6001444601
Cleanup Status:		**RWQCB Region (DL):**	
Status (SRCH):	COMPLETED - CASE CLOSED	**Longitude:**	
Status (DL):		**Latitude:**	
Status Date (DL):			

Address:	6800 ROBERTSON AVE
City:	NEWARK
County:	ALAMEDA
Zip:	94560
State:	CA
Report Source:	Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No:	01S0271
Local Case No:	0121
Begin Date:	1/13/1983
Lead Agency:	SAN FRANCISCO BAY RWQCB (REGION 2)

Local Agency:	ALAMEDA COUNTY WATER DISTRICT
CUF Case:	NO
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	Other Chlorinated Hydrocarbons, Trichloroethylene (TCE), Vinyl chloride
How Discovered:	Tank Tightness Test
Stop Method:	Change Operating Procedures, Close and Replace Tank, Repair Tank
Stop Description:	Facility operated until 1994, when Rohm & Haas conducted
Case Worker:	UUU
Military DoD Site:	No
Leak Reported Dt:	1992-10-16 00:00:00
No Further Action Dt:	2010-07-19 00:00:00
Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	Tank Integrity Testing found leakage at top of fill risers on two 30,000 gallon USTs that stored vinyl acetate.
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name:	Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:	
Coordinate Source:	Google Geocode
Discharge Cause:	Physc / Mech Damage
Discharge Source:	Other, Tank
Facility Project Sub Type:	
Calenviroscreen 3 Score:	56-60%
Calenviroscreen 4 Score:	60-65%
File Location:	Regional Board
Site History:	

Refer to Case Closure Summary dated May 18, 2012, attached to the No Further Action Letter.

GeoTracker Sites Data Download - Status History

Status:	Open - Verification Monitoring
Status Date:	2010-07-19 00:00:00
Status:	Completed - Case Closed
Status Date:	2010-07-19 00:00:00
Status:	Open - Remediation
Status Date:	2009-05-19 00:00:00
Status:	Open - Remediation
Status Date:	2007-06-01 00:00:00
Status:	Open - Site Assessment
Status Date:	1992-07-22 00:00:00
Status:	Open - Case Begin Date
Status Date:	1983-01-13 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type:	Local Agency Caseworker
Contact Name:	DOUG YOUNG
Organization Name:	ALAMEDA COUNTY WATER DISTRICT
Address:	43885 SOUTH GRIMMER BLVD
City:	FREMONT
Email:	douglas.young@acwd.com
Phone No:	
Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	
Phone No:	

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	REGIONAL BOARD
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
Designated Beneficl Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:	
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101484
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 7/19/2010
Potential COC:	OTHER CHLORINATED HYDROCARBONS, TRICHLOROETHYLENE (TCE), VINYL CHLORIDE
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq:	
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	DAY CARE CENTER PROHIBITED ELDER CARE CENTER PROHIBITED HOSPITAL USE PROHIBITED NO EXCAVATION OF CONTAMINATED SOILS WITHOUT AGENCY REVIEW AND APPROVAL NO GROUNDWATER EXTRACTION AT ANY DEPTH WITHOUT APPROVAL RESIDENCE USE PROHIBITED
Future Land Use:	COMMERCIAL
Cleanup Oversight Agencies:	SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01S0271 CASE MANAGER: Regional Water Board SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1609 CASE MANAGER: Regional Water Board ALAMEDA COUNTY WATER DISTRICT - CASE #: 0121 CASE MANAGER: DOUG YOUNG
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101484&tabname=regulatoryhistory
Site History:	

Refer to Case Closure Summary dated May 18, 2012, attached to the No Further Action Letter.

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type:	IN SITU BIOLOGICAL TREATMENT
Begin Date:	12/1/2007
End Date:	12/1/2008
Phase:	Water
Contaminant Mass Removed:	
Description:	1,1-DCE concentrations decreased from 180 ppb in July 2008 to 1 ppb in Jan. 2009. Vinyl chloide increased from 3 ppn in July 2008 to 10 ppb in Jan 2009.
Action Type:	PUMP & TREAT (P&T) GROUNDWATER
Begin Date:	7/1/1996
End Date:	12/1/1996
Phase:	Water
Contaminant Mass Removed:	2 Pounds
Description:	In 1996, as a result of the low mass removal rate, the groundwater extraction system was shut down with approval from RB staff. Unocal then implemented in-situ technologies in 2002 and 2003.

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type:	Enforcement - Other
Action:	UNK
Action Date:	

Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/18/2012
Received Issue Date: 5/18/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122338&temptable=ENFORCEMENT
Title Description Comments:

Approved Soil and Groundwater Risk Management Plan for Chevron Facility No. 306429 (Former Unocal 1015) 6800 Robertson Avenue (6800 Redeker Place) Newark, Alameda County

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/18/2012
Received Issue Date: 5/18/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122340&temptable=ENFORCEMENT
Title Description Comments:

E-mail Transmittal Letter of No Further Action Letter

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/18/2012
Received Issue Date: 5/18/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122341&temptable=ENFORCEMENT
Title Description Comments:

Email Transmittal of Soil and Groundwater Risk Management Plan

Action Type: Agreements
Action: Cost Recovery Agreement Closeout Memo
Action Date: 5/18/2012
Received Issue Date: 5/18/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122343&temptable=ENFORCEMENT
Title Description Comments:

Cost Recovery Agreement Closeout Memo

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 5/18/2012
Received Issue Date: 5/18/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122334&temptable=ENFORCEMENT
Title Description Comments:

Staff Letter - No Further Action, Former Unocal Chemicals Facility #1015/Former Chevron Facility #306429, 6800 Robertson Avenue (6800 Redeker Place), Newark, Alameda County

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 5/15/2012
Received Issue Date: 5/15/2012
Doc Link:
Title Description Comments:

Soil and Groundwater Risk Management Plan

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 5/15/2012
Received Issue Date: 5/15/2012
Doc Link:
Title Description Comments:

Risk Management Plan

Action Type: Response Requested - Reports
Action: Risk Assessment Report
Action Date: 5/15/2012
Received Issue Date: 5/15/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5737404
Title Description Comments:

Soil and Groundwater Risk Management Plan

Action Type: Other Regulatory Actions
Action: Email Correspondence - #01S0271
Action Date: 4/27/2012
Received Issue Date: 4/27/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237119&temptable=ENFORCEMENT
Title Description Comments:

Email Correspondence-2012

Action Type: Other Regulatory Actions
Action: File Review - Closure
Action Date: 4/10/2012
Received Issue Date: 4/10/2012
Doc Link:
Title Description Comments:

File Review for Case Closure

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 5/10/2011
Received Issue Date: 5/10/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237536&temptable=ENFORCEMENT
Title Description Comments:

Conditional Approval for Site Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/19/2010
Received Issue Date: 7/19/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6058027&temptable=ENFORCEMENT
Title Description Comments:

Approval of In-Situ Bioremediation Status Report, and Remedial Performance Summary and First Semi-Annual Monitoring Report. Concurrence to Evaluate Case for Closure.

Action Type: Other Regulatory Actions
Action: File review - #01S0271
Action Date: 3/23/2010
Received Issue Date: 3/23/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237538&temptable=ENFORCEMENT

Title Description Comments:

Report Reviewed

Action Type: Other Regulatory Actions
Action: Email Correspondence - #01S0271
Action Date: 3/23/2010
Received Issue Date: 3/23/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237534&temptable=ENFORCEMENT
Title Description Comments:

Technical Assistance

Action Type: Other Regulatory Actions
Action: File review
Action Date: 10/27/2009
Received Issue Date: 10/27/2009
Doc Link:
Title Description Comments:

RB Staff review and concurrence of SAIC Report dated 10/22/2009.

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 8/12/2009
Received Issue Date: 8/12/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832468
Title Description Comments:

Change of Environmental Consultant for Chevron Environmental Management Company

Action Type: Other Regulatory Actions
Action: File review
Action Date: 7/28/2009
Received Issue Date: 7/28/2009
Doc Link:
Title Description Comments:

RB review of In- Situ Bioremedation Status Report. SAIC will replace AECOM as consultant in August 2009.

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 11/24/2008
Received Issue Date: 11/24/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832466
Title Description Comments:

Case No. 01S0271; Site Visit

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/23/2008
Received Issue Date: 9/23/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6014300&temptable=ENFORCEMENT
Title Description Comments:

Project Status Letter

Action Type: Cleanup Action
Action: In Situ Biological Treatment
Action Date: 12/1/2007
Received Issue Date:

Doc Link:
Title Description Comments:

1,1-DCE concentrations decreased from 180 ppb in July 2008 to 1 ppb in Jan. 2009. Vinyl chloide increased from 3 ppn in July 2008 to 10 ppb in Jan 2009.

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 4/4/2007
Received Issue Date: 4/4/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6014261&temptable=ENFORCEMENT
Title Description Comments:

Approval of Work Plan and Addendum for In Situ Bioremediation

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 3/1/2007
Received Issue Date: 3/1/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831989
Title Description Comments:

Email Correspondence-2007

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 1/31/2007
Received Issue Date: 1/31/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832849
Title Description Comments:

Request for Well destruction and discontinuance of Hexavalent Chromium Sampling

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 1/31/2007
Received Issue Date: 1/31/2007
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832467
Title Description Comments:

Well Closure Request Update

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 11/29/2005
Received Issue Date: 11/29/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831990
Title Description Comments:

Email Correspondence-2005

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 9/20/2005
Received Issue Date: 9/20/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832612
Title Description Comments:

FW: SF Bay RWQCB Requirements for In-Situ Treatment at Newark

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 7/28/2005

Received Issue Date: 7/28/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832613
Title Description Comments:

Former Unocal 1015 Newark

Action Type: Other Regulatory Actions
Action: Meeting - #01S0271
Action Date: 7/27/2005
Received Issue Date: 7/27/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237725&temptable=ENFORCEMENT
Title Description Comments:

Meeting

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 5/19/2005
Received Issue Date: 5/19/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832786
Title Description Comments:

Request for Drawdown Test Data from ACWD Site B Well

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 4/20/2005
Received Issue Date: 4/20/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6014259&temptable=ENFORCEMENT
Title Description Comments:

Work Plan Approval

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 4/20/2005
Received Issue Date: 4/20/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237540&temptable=ENFORCEMENT
Title Description Comments:

Approval of Work Plan for Additional Subsurface Assessment

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Addendum
Action Date: 4/11/2005
Received Issue Date: 4/11/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832789
Title Description Comments:

Amendment to Work Plan for Additional Subsurface Assessment

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 2/28/2005
Received Issue Date: 2/28/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832784
Title Description Comments:

Work Plan for Additional Subsurface Assessment

Action Type: Other Regulatory Actions

Action: Meeting - #01S0271
Action Date: 1/25/2005
Received Issue Date: 1/25/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237724&temptable=ENFORCEMENT
Title Description Comments:

Meeting Roster

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 1/21/2005
Received Issue Date: 1/21/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237852&temptable=ENFORCEMENT
Title Description Comments:

Comments on the Request for Case Closure and Request for Work Plan

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 9/14/2004
Received Issue Date: 9/14/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831991
Title Description Comments:

Email Correspondence-2004

Action Type: Response Requested - Other
Action: Email Correspondence
Action Date: 8/17/2004
Received Issue Date: 8/17/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831996
Title Description Comments:

Former Unocal 1015: 6800 Robertson Ave., Newark, CA

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0271
Action Date: 7/29/2004
Received Issue Date: 7/29/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237123&temptable=ENFORCEMENT
Title Description Comments:

Comments to the Request for Case Closure

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 6/7/2004
Received Issue Date: 6/7/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832609
Title Description Comments:

Semi-Annual Groundwater Monitoring Report - 1st 2004

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 11/10/2003
Received Issue Date: 11/10/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831997
Title Description Comments:

Potassium Permanganate Injection in MW-19 & MW-20.

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 9/18/2003
Received Issue Date: 9/18/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831998
Title Description Comments:

Change of Address Notice

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 6/25/2003
Received Issue Date: 7/25/2003
Doc Link:
Title Description Comments:

Technical Report - wpl GEO_Z

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 6/12/2002
Received Issue Date: 6/12/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237118&temptable=ENFORCEMENT
Title Description Comments:

Approval for Potassium Permaganate (2nd round) Injection

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 5/30/2002
Received Issue Date: 5/30/2002
Doc Link:
Title Description Comments:

wpl

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 4/19/2002
Received Issue Date: 4/19/2002
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831993
Title Description Comments:

Potassium Permanganate Injection

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 12/13/2000
Received Issue Date: 12/13/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832775
Title Description Comments:

Transmittal of Second Semiannual 2000 Data Report

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0271
Action Date: 7/12/2000
Received Issue Date: 7/12/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237530&temptable=ENFORCEMENT
Title Description Comments:

Property at 6800 Robertson Avenue, Newark, Alameda County

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 5/11/2000
Received Issue Date: 5/11/2000
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832774
Title Description Comments:

Transmittal of First Semiannual 2000 Data Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 11/5/1999
Received Issue Date: 11/5/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832767
Title Description Comments:

Transmittal of Second Semiannual 1999 Data Report

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 11/4/1999
Received Issue Date: 11/4/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831992
Title Description Comments:

Response to Comments

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 10/12/1999
Received Issue Date: 10/12/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237847&temptable=ENFORCEMENT
Title Description Comments:

Approval of Technical Report on Workplan for Injection of Potassium Permanganate

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 10/8/1999
Received Issue Date: 10/8/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237886&temptable=ENFORCEMENT
Title Description Comments:

Approval of Technical Report on Workplan for Injection of Potassium Permanganate

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 10/4/1999
Received Issue Date: 10/4/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831994
Title Description Comments:

Potassium Permanganate Injection Workplan

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0271
Action Date: 9/30/1999
Received Issue Date: 9/30/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237843&temptable=ENFORCEMENT

Title Description Comments:

Deadline for Submittal of Technical Report on Remedial Action Plan

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 9/9/1999
Received Issue Date: 9/9/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832772
Title Description Comments:

Transmittal of First Semiannual 1999 Data Report

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 9/1/1999
Received Issue Date: 9/1/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832840
Title Description Comments:

Potassium Permanganate Injection Workplan

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0271
Action Date: 6/25/1999
Received Issue Date: 6/25/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237849&temptable=ENFORCEMENT
Title Description Comments:

Request for Technical Report on Remedial Action Plan

Action Type: Response Requested - Reports
Action: Final Remedial Action Report / Corrective Action Report
Action Date: 6/8/1999
Received Issue Date: 6/8/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832464
Title Description Comments:

Closure Report

Action Type: Response Requested - Reports
Action: Technical Memos
Action Date: 6/2/1999
Received Issue Date: 6/2/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832844
Title Description Comments:

Agenda

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 4/5/1999
Received Issue Date: 4/5/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832608
Title Description Comments:

Transmittal of Quarterly Data Report - Fourth Quarter 1998

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0271
Action Date: 1/12/1999
Received Issue Date: 1/12/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?

global_id=T0600101484&enforcement_id=6237857&temptable=ENFORCEMENT

Title Description Comments:

Modification to Self-Monitoring Program

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/7/1999
Received Issue Date: 1/7/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832463
Title Description Comments:

Transmittal of Quarterly Data Report - Third Quarter 1998

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 1/7/1999
Received Issue Date: 1/7/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832846
Title Description Comments:

Hazardous Material Inventory Statement

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/4/1999
Received Issue Date: 1/4/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832777
Title Description Comments:

Transmittal of Quarterly Data Report - Third Quarter 1998

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 12/30/1998
Received Issue Date: 12/30/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832831
Title Description Comments:

Chemical List

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 12/29/1998
Received Issue Date: 12/29/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832829
Title Description Comments:

Request to Move MW #15

Action Type: Response Requested - Workplans
Action: Well Destruction Workplan
Action Date: 12/17/1998
Received Issue Date: 12/17/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832836
Title Description Comments:

Work Plan for Monitoring Well Abandonment

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 11/30/1998
Received Issue Date: 11/30/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832473

Title Description Comments:

Recommendations for Monitoring Program Revisions

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 10/30/1998
Received Issue Date: 10/30/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832832
Title Description Comments:

Recommendations for Monitoring Program Revisions

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/24/1998
Received Issue Date: 9/24/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832461
Title Description Comments:

Transmittal of Quarterly Data Report - Second Quarter 1998

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 11/12/1997
Received Issue Date: 11/12/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832462
Title Description Comments:

Third Quarter Monitoring Report

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 7/21/1997
Received Issue Date: 7/21/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832828
Title Description Comments:

Implementation of Revised Monitoring Program

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 4/7/1997
Received Issue Date: 4/7/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832825
Title Description Comments:

March 1997 Status Report

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other - #01S0271
Action Date: 3/31/1997
Received Issue Date: 3/31/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237861&temptable=ENFORCEMENT
Title Description Comments:

Former UNOCAL Chemicals Polymers Plant

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 3/21/1997
Received Issue Date: 3/21/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832824

Title Description Comments:

Completion of Groundwater Extraction and Request for Reduction in Groundwater Sampling Frequency

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 3/12/1997
Received Issue Date: 3/12/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832798
Title Description Comments:

Former Unocal Chemicals Polymer Plant #1015

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 3/10/1997
Received Issue Date: 3/10/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832870
Title Description Comments:

February 1997 Status Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/27/1997
Received Issue Date: 2/27/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832869
Title Description Comments:

Quarterly Data Report - Fourth Quarter 1996

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 2/4/1997
Received Issue Date: 2/4/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832823
Title Description Comments:

January 1997 Status Report

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 1/8/1997
Received Issue Date: 1/8/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832799
Title Description Comments:

December 1996 Status Report

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 12/3/1996
Received Issue Date: 12/3/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832800
Title Description Comments:

November 1996 Status Report

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 11/4/1996
Received Issue Date: 11/4/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832806

Title Description Comments:

October 1996 Status Report

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 11/4/1996
Received Issue Date: 11/4/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832804
Title Description Comments:

Change of Unocal Project Manager

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 10/23/1996
Received Issue Date: 10/23/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832802
Title Description Comments:

Unocal Corporation Revised Quarterly Summary Report - Third Quarter 1996

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 10/9/1996
Received Issue Date: 10/9/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832807
Title Description Comments:

September 1996 Status Report

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 9/5/1996
Received Issue Date: 9/5/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832809
Title Description Comments:

August 1996 Status Report

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 8/16/1996
Received Issue Date: 8/16/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832810
Title Description Comments:

Temporary Groundwater Extraction System Operations

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 8/7/1996
Received Issue Date: 8/7/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832812
Title Description Comments:

July 1996 Status Report

Action Type: Response Requested - Reports
Action: CAP/RAP - Other Report
Action Date: 7/19/1996
Received Issue Date: 7/19/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832813

Title Description Comments:

Temporary Groundwater Extraction System Operations

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 7/18/1996
Received Issue Date: 7/18/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832814
Title Description Comments:

Unocal Corporation Revised Quarterly Summary Report - Second Quarter 1996

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 7/15/1996
Received Issue Date: 7/15/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832816
Title Description Comments:

June 1996 Status Report

Action Type: Cleanup Action
Action: Pump & Treat (P&T) Groundwater
Action Date: 7/1/1996
Received Issue Date:
Doc Link:
Title Description Comments:

In 1996, as a result of the low mass removal rate, the groundwater extraction system was shut down with approval from RB staff. Unocal then implemented in-situ technologies in 2002 and 2003.

Action Type: Response Requested - Reports
Action: Technical Memos
Action Date: 6/28/1996
Received Issue Date: 6/28/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832820
Title Description Comments:

April and May 1996 Status Report and Response to RWQCB June 11, 1996 Letter

Action Type: Response Requested - Reports
Action: Site Investigation
Action Date: 5/14/1996
Received Issue Date: 5/14/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832797
Title Description Comments:

Soil Sampling

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 4/24/1996
Received Issue Date: 4/24/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832794
Title Description Comments:

March 1996 Status Report

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 4/22/1996
Received Issue Date: 4/22/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832792

Title Description Comments:

Revised Quarterly Summary Report - First Quarter 1996

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 4/5/1996
Received Issue Date: 4/5/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832851
Title Description Comments:

Submittal of Requested Information Pertaining to Former Unocal

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 3/29/1996
Received Issue Date: 3/29/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832796
Title Description Comments:

Corrective Action Plan

Action Type: Response Requested - Reports
Action: Progress Report (Soil/GW/ Updates)
Action Date: 3/20/1996
Received Issue Date: 3/20/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832791
Title Description Comments:

February 1996 Status Report

Action Type: Other Regulatory Actions
Action: Staff Letter - #01S0271
Action Date: 3/11/1996
Received Issue Date: 3/11/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237856&temptable=ENFORCEMENT
Title Description Comments:

Request for Information Pertaining to Former UNOCAL

Action Type: Other Regulatory Actions
Action: File review - #01S0271
Action Date: 3/11/1996
Received Issue Date: 3/11/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237851&temptable=ENFORCEMENT
Title Description Comments:

RAP Review

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Action Date: 1/30/1996
Received Issue Date: 1/30/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832876
Title Description Comments:

Corrective Action Plan Amendment - figures 1 & 2

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Action Date: 4/13/1995
Received Issue Date: 4/13/1995

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832874
Title Description Comments:

Corrective Action Plan

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 11/15/1994
Received Issue Date: 11/15/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832471
Title Description Comments:

Quarterly Data Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 9/6/1994
Received Issue Date: 9/6/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832610
Title Description Comments:

Second Quarter Groundwater Monitoring Report

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan
Action Date: 5/9/1994
Received Issue Date: 5/9/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831751
Title Description Comments:

Work Plan for Constant-Rate Drawdown Pumping Tests at the Former UNOCAL Polymers Plant

Action Type: Response Requested - Reports
Action: Final Remedial Action Report / Corrective Action Report
Action Date: 5/1/1994
Received Issue Date: 5/1/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831748
Title Description Comments:

Closure Report for the Rohm and Hass Newark Polymers Plant: Volume II

Action Type: Response Requested - Other
Action: Respond to Petition
Action Date: 1/25/1994
Received Issue Date: 1/25/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831752
Title Description Comments:

Response to December 21, 1993 Letter from the Regional Water Quality Control Board (RWQCB) Regarding the Closure of the Sand Filter Beds

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 12/20/1993
Received Issue Date: 12/20/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832472
Title Description Comments:

Work Plan for a Ground-Water Investigation

Action Type: Response Requested - Reports
Action: Environmental Baseline Survey Complete
Action Date: 1/7/1993
Received Issue Date: 1/7/1993

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832875
Title Description Comments:

Baseline Soil and Groundwater Study - Figure 2

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 10/19/1992
Received Issue Date: 10/19/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5832873
Title Description Comments:

Work Plan to Conduct a Phase I Soil and Ground-Water Investigation

Action Type: Leak Action
Action: Leak Reported
Action Date: 10/16/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 7/22/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 7/22/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Addendum
Action Date: 10/7/1991
Received Issue Date: 10/7/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831750
Title Description Comments:

Addendum to the September 24, 1991 Work Plan for UNOCAL Chemicals Soil and Ground-Water Investigation

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 9/24/1991
Received Issue Date: 9/24/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831749
Title Description Comments:

Work Plan for Soil and Ground-Water Investigation

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 9/8/1986
Received Issue Date: 9/8/1986
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831754
Title Description Comments:

Monitoring Well Sample Results

Action Type: Response Requested - Reports

Action: Soil and Water Investigation Report
Action Date: 1/6/1986
Received Issue Date: 1/6/1986
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831753
Title Description Comments:

Report of Analytical Results from years: 1986-1992

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 6/4/1984
Received Issue Date: 6/4/1984
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831755
Title Description Comments:

Monitoring Well Sample & Analysis

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 6/24/1983
Received Issue Date: 6/24/1983
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831756
Title Description Comments:

Sampling and Analysis of Monitoring Wells

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 2/14/1983
Received Issue Date: 2/14/1983
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831757
Title Description Comments:

Subsurface Investigation Report

Action Type: Enforcement/Orders
Action: 13267 Requirement
Action Date: 1/13/1983
Received Issue Date: 1/13/1983
Doc Link:
Title Description Comments:

Project started in 1983 with RWQCB correspondance datted Jan. 13, 1983, requesting Unocal to install 5 shallow gw wells to assess potenital subsurface migration of chemicals from storage tanks, collection sumps and aux. piping systems located at the site. GW sampling data detected VOCs in some of the wells since 1983

Action Type: Response Requested - Reports
Action: Phase I Assessment Report
Action Date: 10/18/1978
Received Issue Date: 10/18/1978
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101484&doc_id=5831758
Title Description Comments:

Right of Entry Agreement ACWD Salinity Barrier Project- Phase I

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
Document Date: 5/18/2012
Submitted:
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: E-MAIL TRANSMITTAL LETTER OF NO FURTHER ACTION LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122340

Document Type: Site Documents **Document Date:** 5/18/2012
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: APPROVED SOIL AND GROUNDWATER RISK MANAGEMENT PLAN FOR CHEVRON FACILITY NO. 306429 (FORMER UNOCAL 1015) 6800 ROBERTSON AVENUE (6800 REDEKER PLACE) NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122338

Document Type: Site Documents **Document Date:** 5/18/2012
Type: COST RECOVERY AGREEMENT CLOSEOUT MEMO **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: COST RECOVERY AGREEMENT CLOSEOUT MEMO
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122343

Document Type: Site Documents **Document Date:** 5/18/2012
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: STAFF LETTER - NO FURTHER ACTION, FORMER UNOCAL CHEMICALS FACILITY #1015/FORMER CHEVRON FACILITY #306429, 6800 ROBERTSON AVENUE (6800 REDEKER PLACE), NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122334

Document Type: Site Documents **Document Date:** 5/18/2012
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: EMAIL TRANSMITTAL OF SOIL AND GROUNDWATER RISK MANAGEMENT PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6122341

Document Type: Site Documents **Document Date:** 5/15/2012
Type: RISK ASSESSMENT REPORT **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: SOIL AND GROUNDWATER RISK MANAGEMENT PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5737404

Document Type: Site Documents **Document Date:** 4/27/2012
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: EMAIL CORRESPONDENCE-2012
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237119

Document Type: Site Documents **Document Date:** 5/10/2011
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CONDITIONAL APPROVAL FOR SITE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237536

Document Type: Site Documents **Document Date:** 3/8/2011*
Type: OTHER WORKPLAN **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SITE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4662576258/T0600101484.PDF

Document Type: Site Documents **Document Date:** 11/2/2010*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SECOND SEMI-ANNUAL 2010 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5900872766/T0600101484.PDF

Document Type: Site Documents **Document Date:** 7/19/2010
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: APPROVAL OF IN-SITU BIOREMEDIATION STATUS REPORT, AND REMEDIAL PERFORMANCE SUMMARY AND FIRST SEMI-ANNUAL MONITORING REPORT. CONCURRENCE TO EVALUATE CASE FOR CLOSURE.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6058027

Document Type: Site Documents **Document Date:** 6/8/2010
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: FIRST SEMI-ANNUAL 2010 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6204095423/T0600101484.PDF

Document Type: Site Documents **Document Date:** 3/23/2010
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TECHNICAL ASSISTANCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237534

Document Type: Site Documents **Document Date:** 3/23/2010
Type: FILE REVIEW **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REPORT REVIEWED
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237538

Document Type: Site Documents **Document Date:** 3/15/2010*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: IN-SITU BIOREMEDIATION STATUS REPORT & 2009 REMEDIAL ACTIVITY PERFORMANCE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4885458707/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 3/8/2010*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: 2010 1SA EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4829682707/T0600101484.PDF

Document Type: Site Documents **Document Date:** 10/22/2009*
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SECOND SEMI-ANNUAL 2009 GROUNDWATER MONITORING AND SAMPLING RESULTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1746252775/T0600101484.PDF

Document Type: Site Documents **Document Date:** 8/12/2009
Type: CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CHANGE OF ENVIRONMENTAL CONSULTANT FOR CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832468

Document Type: Site Documents **Document Date:** 7/21/2009
Type: REMEDIAL INVESTIGATION REPORT **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: INSITU REM STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1727127552/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 3/18/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: FIRST SEMI-ANNUAL 2009 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7307320713/T0600101484.PDF

Document Type: Site Documents **Document Date:** 11/24/2008
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CASE NO. 01S0271; SITE VISIT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832466

Document Type: Site Documents **Document Date:** 9/23/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: PROJECT STATUS LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6014300

Document Type: Monitoring Reports **Document Date:** 9/19/2008*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: SECOND SEMI-ANNUAL 2008 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8633803427/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 9/2/2008*
Type: MONITORING REPORT - ANNUALLY **Submitted:**
Submitted By: DEANNA HARDING (CONTRACTOR)
Title: BASELINE SAMPLING EVENT OF JULY 9, 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8553603231/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 3/4/2008
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: FIRST SEMI-ANNUAL 2008 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4213564813/T0600101484.PDF

Document Type: Site Documents **Document Date:** 12/17/2007*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: MISSING MONITORING WELL MW-21 LOCATED IN UNION PACIFIC RAIL YARD
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5873620450/T0600101484.PDF

Document Type: Site Documents **Document Date:** 12/17/2007*
Type: CORRESPONDENCE - OTHER **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: INACCESSIBLE WELL MW-21 NOTIFICATION TO SFWB - LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2298373162/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 9/14/2007
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: SECOND SEMI-ANNUAL 2007 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4670719981/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 4/24/2007
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: FIRST SEMI-ANNUAL 2007 GROUNDWATER MONITORING AND SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1207334756/T0600101484.PDF

Document Type: Site Documents **Document Date:** 4/4/2007
Type: STAFF LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: APPROVAL OF WORK PLAN AND ADDENDUM FOR IN SITU BIOREMEDIATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6014261

Document Type: Site Documents **Document Date:** 4/4/2007
Type: LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: APPROVAL OF WORKPLAN FOR IN SITU BIOREMEDIATION, FORMER UNOCAL POLYMERS SITE
Title Link: https://geotracker.waterboards.ca.gov/site_documents/4136387467/Insitu%2DBio%20wp%2Epdf

Document Type: Site Documents **Document Date:** 3/28/2007
Type: WORKPLANS - REMEDIAL ACTION PLAN **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: IN SITU BIOREMEDIATION WORK PLAN- ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9864698648/T0600101484.PDF

Document Type: Site Documents **Document Date:** 3/9/2007
Type: WORKPLANS - OTHER WP **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: IN SITU BIOREMEDIATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4940351724/T0600101484.PDF

Document Type: Site Documents **Document Date:** 3/1/2007
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)

Title: EMAIL CORRESPONDENCE-2007
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831989

Document Type: Site Documents **Document Date:** 2/27/2007
Type: LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: REDUCTION IN GROUNWATER MONITORING FREQUENCY & ANALYTES FOR SELECT WELLS
Title Link: https://geotracker.waterboards.ca.gov/site_documents/4002766251/Unocal%20Polymers%20%2D%20monitoring%20reqts%202%2D26%2D07%2Epdf

Document Type: Site Documents **Document Date:** 1/31/2007
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WELL CLOSURE REQUEST UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832467

Document Type: Site Documents **Document Date:** 1/31/2007
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REQUEST FOR WELL DESTRUCTION AND DISCONTINUANCE OF HEXAVALENT CHROMIUM SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832849

Document Type: Site Documents **Document Date:** 11/10/2006
Type: CORRESPONDENCE - OTHER **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: UNOCAL #1015 WELL ABANDONMENT REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1262089371/T0600101484.PDF

Document Type: Site Documents **Document Date:** 10/10/2006
Type: LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: ELECTRONIC SUBMITTAL OF INFORMATION
Title Link: https://geotracker.waterboards.ca.gov/site_documents/2855518937/e%2Ddocs%20%2D%20Unocal%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/2/2006
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: UNOCAL #1015 1SA 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2259353458/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 10/2/2006
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: UNOCAL #1015 2SA 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7293073892/T0600101484.PDF

Document Type: Site Documents **Document Date:** 11/29/2005
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: EMAIL CORRESPONDENCE-2005
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831990

Document Type: Monitoring Reports **Document Date:** 11/17/2005
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: SECOND SEMI-ANNUAL MONITORING 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3905301749/T0600101484.PDF

Document Type: Site Documents **Document Date:** 9/20/2005
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FW: SF BAY RWQCB REQUIREMENTS FOR IN-SITU TREATMENT AT NEWARK
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832612

Document Type: Site Documents **Document Date:** 7/28/2005
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FORMER UNOCAL 1015 NEWARK
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832613

Document Type: Site Documents **Document Date:** 7/27/2005
Type: MEETING **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: MEETING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237725

Document Type: Site Documents **Document Date:** 7/8/2005
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: GEO_REPORT.PDF
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3707096695/T0600101484.PDF

Document Type: Site Documents **Document Date:** 7/8/2005
Type: REPORTS - INVESTIGATION RPT. **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: GEO_REPORT.PDF
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6387348771/T0600101484.PDF

Document Type: Site Documents **Document Date:** 7/5/2005*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SUBSURFACE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3858412981/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 6/3/2005
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: AECOM (AUTH_RP)
Title: GEO_REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3016095817/T0600101484.PDF

Document Type: Site Documents **Document Date:** 5/19/2005
Type: CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REQUEST FOR DRAWDOWN TEST DATA FROM ACWD SITE B WELL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832786

Document Type: Site Documents **Document Date:** 4/20/2005
Type: **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: AMENDMENT TO WORK PLAN FOR ADDITIONAL SUBSURFACE INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/site_documents/3923703849/Unocal%20Newark%20WP%20amend%2Epdf

Document Type: Site Documents **Document Date:** 4/20/2005
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: APPROVAL OF WORK PLAN FOR ADDITIONAL SUBSURFACE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237540

Document Type: Site Documents **Document Date:** 4/20/2005
Type: STAFF LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: WORK PLAN APPROVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6014259

Document Type: Site Documents **Document Date:** 4/11/2005
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: AMENDMENT TO WORK PLAN FOR ADDITIONAL SUBSURFACE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832789

Document Type: Site Documents **Document Date:** 3/22/2005
Type: **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: SUBSURFACE ASSESSMENT 3/16/05
Title Link: https://geotracker.waterboards.ca.gov/site_documents/5677671134/unocal%20polymer%20mar%2005%20wp%2Epdf

Document Type: Site Documents **Document Date:** 2/28/2005
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WORK PLAN FOR ADDITIONAL SUBSURFACE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832784

Document Type: Site Documents **Document Date:** 1/25/2005
Type: MEETING **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: MEETING ROSTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237724

Document Type: Site Documents **Document Date:** 1/21/2005
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMMENTS ON THE REQUEST FOR CASE CLOSURE AND REQUEST FOR WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237852

Document Type: Site Documents **Document Date:** 12/1/2004*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SITE CLOSURE REQUEST AND 2SA04 MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1047622621/T0600101484.PDF

Document Type: Site Documents **Document Date:** 9/14/2004
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: EMAIL CORRESPONDENCE-2004
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831991

Document Type: Site Documents **Document Date:** 8/17/2004
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FORMER UNOCAL 1015: 6800 ROBERTSON AVE., NEWARK, CA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831996

Document Type: Site Documents **Document Date:** 7/29/2004
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMMENTS TO THE REQUEST FOR CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237123

Document Type: Monitoring Reports **Document Date:** 6/7/2004
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SEMI-ANNUAL GROUNDWATER MONITORING REPORT - 1ST 2004 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5895141422/1sa04%2Epdf

Document Type: Site Documents **Document Date:** 11/10/2003
Type: CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: POTASSIUM PERMANGANATE INJECTION IN MW-19 & MW-20.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831997

Document Type: Site Documents **Document Date:** 9/18/2003
Type: CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CHANGE OF ADDRESS NOTICE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831998

Document Type: Site Documents **Document Date:** 8/11/2003*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: NO FURTHER ACTION REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8894300103/T0600101484.PDF

Document Type: Site Documents **Document Date:** 6/12/2002

Type: STAFF LETTER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: APPROVAL FOR POTASSIUM PERMAGANATE (2ND ROUND) INJECTION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237118

Document Type: Site Documents ***Document Date:*** 4/19/2002
Type: CAP/RAP - OTHER REPORT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: POTASSIUM PERMANGANATE INJECTION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831993

Document Type: Monitoring Reports ***Document Date:*** 12/13/2000
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF SECOND SEMIANNUAL 2000 DATA REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2815183877/2sa00%2Epdf

Document Type: Site Documents ***Document Date:*** 7/12/2000
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: PROPERTY AT 6800 ROBERTSON AVENUE, NEWARK, ALAMEDA COUNTY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237530

Document Type: Monitoring Reports ***Document Date:*** 5/11/2000
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF FIRST SEMIANNUAL 2000 DATA REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7321185052/1sa00%2Epdf

Document Type: Site Documents ***Document Date:*** 3/2/2000*
Type: CORRESPONDENCE ***Submitted:***
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7154998064/T0600101484.PDF

Document Type: Monitoring Reports ***Document Date:*** 11/5/1999
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF SECOND SEMIANNUAL 1999 DATA REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2658903360/2sa99%2Epdf

Document Type: Site Documents ***Document Date:*** 11/4/1999
Type: RESPOND TO PETITION ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: RESPONSE TO COMMENTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831992

Document Type: Site Documents ***Document Date:*** 10/12/1999
Type: STAFF LETTER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: APPROVAL OF TECHNICAL REPORT ON WORKPLAN FOR INJECTION OF POTASSIUM PERMANGANATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237847

Document Type: Site Documents ***Document Date:*** 10/8/1999
Type: STAFF LETTER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: APPROVAL OF TECHNICAL REPORT ON WORKPLAN FOR INJECTION OF POTASSIUM PERMANGANATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237886

Document Type: Site Documents ***Document Date:*** 10/4/1999
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: POTASSIUM PERMANGANATE INJECTION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831994

Document Type: Site Documents ***Document Date:*** 9/30/1999
Type: TECHNICAL CORRESPONDENCE / ***Submitted:***

ASSISTANCE / OTHER
Submitted By: ASHA TURMAN (REGULATOR)
Title: DEADLINE FOR SUBMITTAL OF TECHNICAL REPORT ON REMEDIAL ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237843

Document Type: Monitoring Reports ***Document Date:*** 9/9/1999
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF FIRST SEMIANNUAL 1999 DATA REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7804487466/1sa99%2Epdf

Document Type: Site Documents ***Document Date:*** 9/1/1999
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: POTASSIUM PERMANGANATE INJECTION WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832840

Document Type: Site Documents ***Document Date:*** 6/25/1999
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: REQUEST FOR TECHNICAL REPORT ON REMEDIAL ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237849

Document Type: Site Documents ***Document Date:*** 6/8/1999
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: CLOSURE REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832464

Document Type: Site Documents ***Document Date:*** 6/2/1999
Type: TECHNICAL MEMOS ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: AGENDA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832844

Document Type: Monitoring Reports ***Document Date:*** 4/5/1999
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF QUARTERLY DATA REPORT - FOURTH QUARTER 1998 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6203738152/4q98%2Epdf

Document Type: Site Documents ***Document Date:*** 1/12/1999
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: MODIFICATION TO SELF-MONITORING PROGRAM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237857

Document Type: Monitoring Reports ***Document Date:*** 1/7/1999
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF QUARTERLY DATA REPORT - THIRD QUARTER 1998 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2689061045/1799%2Epdf

Document Type: Site Documents ***Document Date:*** 1/7/1999
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: HAZARDOUS MATERIAL INVENTORY STATEMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832846

Document Type: Monitoring Reports ***Document Date:*** 1/4/1999
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF QUARTERLY DATA REPORT - THIRD QUARTER 1998 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3853199839/3q98%2Epdf

Document Type: Site Documents **Document Date:** 12/30/1998
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CHEMICAL LIST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832831

Document Type: Site Documents **Document Date:** 12/29/1998
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REQUEST TO MOVE MW #15
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832829

Document Type: Site Documents **Document Date:** 12/17/1998
Type: WELL DESTRUCTION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WORK PLAN FOR MONITORING WELL ABANDONMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832836

Document Type: Site Documents **Document Date:** 11/30/1998
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RECOMMENDATIONS FOR MONITORING PROGRAM REVISIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832473

Document Type: Site Documents **Document Date:** 10/30/1998
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RECOMMENDATIONS FOR MONITORING PROGRAM REVISIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832832

Document Type: Monitoring Reports **Document Date:** 9/24/1998
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TRANSMITTAL OF QUARTERLY DATA REPORT - SECOND QUARTER 1998 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9754698038/2q98%2Epdf

Document Type: Monitoring Reports **Document Date:** 11/12/1997
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: THIRD QUARTER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1487151920/3q97%2Epdf

Document Type: Site Documents **Document Date:** 7/21/1997
Type: CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: IMPLEMENTATION OF REVISED MONITORING PROGRAM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832828

Document Type: Site Documents **Document Date:** 4/7/1997
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: MARCH 1997 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832825

Document Type: Site Documents **Document Date:** 3/31/1997
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FORMER UNOCAL CHEMICALS POLYMERS PLANT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237861

Document Type: Site Documents **Document Date:** 3/21/1997
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: COMPLETION OF GROUNDWATER EXTRACTION AND REQUEST FOR REDUCTION IN GROUNDWATER SAMPLING FREQUENCY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832824

Document Type: Site Documents **Document Date:** 3/12/1997

Type: CORRESPONDENCE ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: FORMER UNOCAL CHEMICALS POLYMER PLANT #1015
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832798

Document Type: Site Documents ***Document Date:*** 3/10/1997
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: FEBRUARY 1997 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832870

Document Type: Monitoring Reports ***Document Date:*** 2/27/1997
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: QUARTERLY DATA REPORT - FOURTH QUARTER 1996 -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1491702020/4q96%2Epdf

Document Type: Site Documents ***Document Date:*** 2/4/1997
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: JANUARY 1997 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832823

Document Type: Site Documents ***Document Date:*** 1/8/1997
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: DECEMBER 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832799

Document Type: Site Documents ***Document Date:*** 12/3/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: NOVEMBER 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832800

Document Type: Site Documents ***Document Date:*** 11/4/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: OCTOBER 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832806

Document Type: Site Documents ***Document Date:*** 11/4/1996
Type: CORRESPONDENCE ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: CHANGE OF UNOCAL PROJECT MANAGER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832804

Document Type: Site Documents ***Document Date:*** 10/23/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: UNOCAL CORPORATION REVISED QUARTERLY SUMMARY REPORT - THIRD QUARTER 1996
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832802

Document Type: Site Documents ***Document Date:*** 10/9/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: SEPTEMBER 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832807

Document Type: Site Documents ***Document Date:*** 9/5/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: AUGUST 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832809

Document Type: Site Documents ***Document Date:*** 8/16/1996
Type: CAP/RAP - OTHER REPORT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: TEMPORARY GROUNDWATER EXTRACTION SYSTEM OPERATIONS

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832810

Document Type: Site Documents **Document Date:** 8/7/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: JULY 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832812

Document Type: Site Documents **Document Date:** 7/19/1996
Type: CAP/RAP - OTHER REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: TEMPORARY GROUNDWATER EXTRACTION SYSTEM OPERATIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832813

Document Type: Site Documents **Document Date:** 7/18/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: UNOCAL CORPORATION REVISED QUARTERLY SUMMARY REPORT - SECOND QUARTER 1996
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832814

Document Type: Site Documents **Document Date:** 7/15/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: JUNE 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832816

Document Type: Site Documents **Document Date:** 6/28/1996
Type: TECHNICAL MEMOS **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: APRIL AND MAY 1996 STATUS REPORT AND RESPONSE TO RWQCB JUNE 11, 1996 LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832820

Document Type: Site Documents **Document Date:** 5/14/1996
Type: SITE INVESTIGATION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SOIL SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832797

Document Type: Site Documents **Document Date:** 4/24/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: MARCH 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832794

Document Type: Site Documents **Document Date:** 4/22/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REVISED QUARTERLY SUMMARY REPORT - FIRST QUARTER 1996
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832792

Document Type: Site Documents **Document Date:** 4/5/1996
Type: CORRESPONDENCE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SUBMITTAL OF REQUESTED INFORMATION PERTAINING TO FORMER UNOCAL - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832851

Document Type: Site Documents **Document Date:** 3/29/1996
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CORRECTIVE ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832796

Document Type: Site Documents **Document Date:** 3/20/1996
Type: PROGRESS REPORT (SOIL/GW/ UPDATES) **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: FEBRUARY 1996 STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832791

Document Type: Site Documents **Document Date:** 3/11/1996
Type: STAFF LETTER **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: REQUEST FOR INFORMATION PERTAINING TO FORMER UNOCAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237856

Document Type: Site Documents **Document Date:** 3/11/1996
Type: FILE REVIEW **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RAP REVIEW
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&enforcement_id=6237851

Document Type: Site Documents **Document Date:** 1/30/1996*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN AMENDMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9105819642/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/30/1996
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN AMENDMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1445602357/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/30/1996
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CORRECTIVE ACTION PLAN AMENDMENT - FIGURES 1 & 2
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832876

Document Type: Site Documents **Document Date:** 4/13/1995
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN (PART 4 OF 4)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7921294450/T0600101484.PDF

Document Type: Site Documents **Document Date:** 4/13/1995
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN (PART 1 OF 4)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6725356996/T0600101484.PDF

Document Type: Site Documents **Document Date:** 4/13/1995
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN (PART 2 OF 4)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1287724316/T0600101484.PDF

Document Type: Site Documents **Document Date:** 4/13/1995
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN (PART 3 OF 4)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3160206615/T0600101484.PDF

Document Type: Site Documents **Document Date:** 4/13/1995
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CORRECTIVE ACTION PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832874

Document Type: Site Documents **Document Date:** 12/30/1994

Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5893879711/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 11/15/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: QUARTERLY DATA REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1111601889/qrepnov94%2Epdf

Document Type: Site Documents **Document Date:** 9/21/1994
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CONSTANT-RATE DRAWDOWN PUMPING TESTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4978256165/T0600101484.PDF

Document Type: Monitoring Reports **Document Date:** 9/6/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: SECOND QUARTER GROUNDWATER MONITORING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7575505137/2q94%2Epdf

Document Type: Site Documents **Document Date:** 5/9/1994
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WORK PLAN FOR CONSTANT-RATE DRAWDOWN PUMPING TESTS AT THE FORMER UNOCAL POLYMERS PLANT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831751

Document Type: Site Documents **Document Date:** 5/1/1994*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CLOSURE REPORT FOR THE ROHM AND HAAS NEWARK POLYMERS PLANT AT NEWARK, CA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9464736223/T0600101484.PDF

Document Type: Site Documents **Document Date:** 5/1/1994
Type: CLOSURE REPORT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CLOSURE REPORT FOR THE ROHM AND HAAS NEWARK POLYMERS PLANT AT NEWARK, CA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8410385072/T0600101484.PDF

Document Type: Site Documents **Document Date:** 5/1/1994
Type: FINAL REMEDIAL ACTION REPORT / CORRECTIVE ACTION REPORT **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: CLOSURE REPORT FOR THE ROHM AND HASS NEWARK POLYMERS PLANT: VOLUME II
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831748

Document Type: Site Documents **Document Date:** 3/2/1994*
Type: CORRESPONDENCE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GROUNDWATER INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6503346264/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/25/1994
Type: RESPOND TO PETITION **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: RESPONSE TO DECEMBER 21, 1993 LETTER FROM THE REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) REGARDING THE CLOSURE OF THE SAND FILTER BEDS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831752

Document Type: Site Documents **Document Date:** 12/20/1993
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WORK PLAN FOR A GROUND-WATER INVESTIGATION

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832472

Document Type: Site Documents **Document Date:** 11/1/1993
Type: OTHER WORKPLAN **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CLOSURE PLAN FOR THE ROHM AND HAAS NEWARK POLYMERS PLANT AT NEWARK, CA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8403381288/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/7/1993
Type: ENVIRONMENTAL BASELINE SURVEY COMPLETE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (PART 3 OF 3)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8763508617/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/7/1993
Type: ENVIRONMENTAL BASELINE SURVEY COMPLETE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (PART 1 OF 3)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2424985766/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/7/1993
Type: ENVIRONMENTAL BASELINE SURVEY COMPLETE **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (PART 2 OF 3)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2701035499/T0600101484.PDF

Document Type: Site Documents **Document Date:** 1/7/1993
Type: ENVIRONMENTAL BASELINE SURVEY COMPLETE **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: BASELINE SOIL AND GROUNDWATER STUDY - FIGURE 2
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832875

Document Type: Site Documents **Document Date:** 10/19/1992
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WORK PLAN TO CONDUCT A PHASE I SOIL AND GROUND-WATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5832873

Document Type: Site Documents **Document Date:** 10/16/1992
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2218840837/T0600101484.PDF

Document Type: Site Documents **Document Date:** 3/25/1992
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9299817919/T0600101484.PDF

Document Type: Site Documents **Document Date:** 10/7/1991
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: ADDENDUM TO THE SEPTEMBER 24, 1991 WORK PLAN FOR UNOCAL CHEMICALS SOIL AND GROUND-WATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831750

Document Type: Site Documents **Document Date:** 9/24/1991
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: ASHA TURMAN (REGULATOR)
Title: WORK PLAN FOR SOIL AND GROUND-WATER INVESTIGATION

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831749

Document Type: Monitoring Reports ***Document Date:*** 9/9/1991
Type: MONITORING REPORT - OTHER ***Submitted:***
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: REPORT ON SHALLOW-ZONE GROUND-WATER QUALITY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3646268486/T0600101484.PDF

Document Type: Monitoring Reports ***Document Date:*** 9/8/1986
Type: MONITORING REPORT - OTHER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: MONITORING WELL SAMPLE RESULTS -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3815566837/8sep86%2Epdf

Document Type: Site Documents ***Document Date:*** 1/6/1986
Type: SOIL AND WATER INVESTIGATION REPORT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: REPORT OF ANALYTICAL RESULTS FROM YEARS: 1986-1992
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831753

Document Type: Monitoring Reports ***Document Date:*** 6/4/1984
Type: MONITORING REPORT - OTHER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: MONITORING WELL SAMPLE & ANALYSIS -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8657163858/4jun84%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 6/24/1983
Type: MONITORING REPORT - OTHER ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: SAMPLING AND ANALYSIS OF MONITORING WELLS -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2166990518/22jun83%2Epdf

Document Type: Site Documents ***Document Date:*** 2/14/1983
Type: SOIL AND WATER INVESTIGATION REPORT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: SUBSURFACE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831757

Document Type: Site Documents ***Document Date:*** 10/18/1978
Type: PHASE I ASSESSMENT REPORT ***Submitted:***
Submitted By: ASHA TURMAN (REGULATOR)
Title: RIGHT OF ENTRY AGREEMENT ACWD SALINITY BARRIER PROJECT- PHASE I
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101484&document_id=5831758

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-66) (SB-66)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5337329924/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-82) (SB-82)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6824721574/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-11) (P-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6729064881/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-51) (SB-51)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4989209771/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4347004711/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG B-2) (B-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1274428606/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B9) (UST-B9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2237304627/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-63) (SB-63)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1411652565/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-68) (SB-68)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3723584771/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-80) (SB-80)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4875884294/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-2) (P-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3159509241/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-78) (SB-78)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4593535661/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B4) (UST-B4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3058257997/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-58) (SB-58)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4147785246/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-77) (SB-77)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3450565397/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-90) (SB-90)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7957412004/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-91) (SB-91)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2993268609/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-6) (P-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3672606706/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-7) (P-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6433499932/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-10) (P-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2567855775/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2557281434/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4740615129/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/2496794939/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG B-1) (B-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6824696362/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B3) (UST-B3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4920079052/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1120511651/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG B-3) (B-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8523035705/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG MW-7) (MW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4452237963/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG MW-9) (MW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2228007018/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG MW-13) (MW-13)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1631092131/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-76) (SB-76)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7722304582/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-88) (SB-88)

Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9557957470/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG MW-19) (MW-19)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1945530712/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-8) (P-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1452132463/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7508270204/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG MW-6) (MW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9777036547/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG MW-8) (MW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4290876269/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B6) (UST-B6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3187759339/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B8) (UST-B8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8551874816/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-60) (SB-60)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9277433276/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-67) (SB-67)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3139382481/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-70) (SB-70)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1426376283/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-75) (SB-75)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6929778337/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-89) (SB-89)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6676792919/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-1) (P-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6481536149/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)

Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-4) (P-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1418761491/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-5) (P-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8761885881/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B5) (UST-B5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9942616283/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/1409672558/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B1) (UST-B1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7313613176/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG MW-10) (MW-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4445872008/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-65) (SB-65)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6437453508/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9570081591/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SHALLOW SOIL AND GROUND-WATER INVESTIGATION (BORING LOG B-4) (B-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3141529858/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B2) (UST-B2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2321317315/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG UST-B7) (UST-B7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5152938783/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG MW-B1) (MW-B1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3657102465/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG MW-11) (MW-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4607572197/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: ADDITIONAL SOIL AND GROUND-WATER INVESTIGATIONS REPORT (BORING LOG MW-12) (MW-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3348072826/T0600101484.PDF

Submitted: 5/8/2012

Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-52) (SB-52)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7081526994/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-55) (SB-55)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7409031689/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-56) (SB-56)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9522516906/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-57) (SB-57)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4389988720/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-69) (SB-69)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3840072572/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-72A) (SB-72A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8015364885/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-3) (P-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9301014721/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8831898510/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-54) (SB-54)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8341816008/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-61) (SB-61)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5575001537/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-62) (SB-62)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4877011895/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-71) (SB-71)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3582168519/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-73) (SB-73)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2111188769/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-81) (SB-81)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2470352113/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-92) (SB-92)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3978850603/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG P-9) (P-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6158365905/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN (BORING LOG MW-21) (MW-21)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5682575285/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/6789952099/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: CORRECTIVE ACTION PLAN (BORING LOG MW-22) (MW-22)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8833448290/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-50) (SB-50)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2033233582/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-53) (SB-53)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2017852723/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-59) (SB-59)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2542539477/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-64) (SB-64)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4059249818/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-72) (SB-72)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7013514220/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-79) (SB-79)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8121274590/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: BASELINE SOIL AND GROUND-WATER STUDY (BORING LOG SB-83) (SB-83)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8108723461/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: SOIL AND GROUNDWATER ASSESSMENT (BORING LOG MW-20) (MW-20)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7138944506/T0600101484.PDF

Submitted: 5/8/2012
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7146545350/T0600101484.PDF

Submitted: 11/3/2010*
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3908567070/T0600101484.PDF

Submitted: 6/9/2010
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/4060876309/T0600101484.PDF

Submitted: 6/9/2010
Submitted By: LEIDOS (SAIC) (CONTRACTOR)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/8332834899/T0600101484.PDF

Submitted: 10/26/2005
Submitted By: AECOM (AUTH_RP)
Title: GEO_BORE (MW-23)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2998517692/T0600101484.PDF

Submitted: 10/26/2005
Submitted By: AECOM (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/7314987003/T0600101484.pdf

Submitted: 10/26/2005
Submitted By: AECOM (AUTH_RP)
Title: GEO_BORE (ESB-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3325223624/T0600101484.PDF

Submitted: 10/26/2005
Submitted By: AECOM (AUTH_RP)
Title: GEO_BORE (MW-13A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3614105045/T0600101484.PDF

Submitted: 10/26/2005
Submitted By: AECOM (AUTH_RP)
Title: GEO_BORE (ESB-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3106321036/T0600101484.PDF

Submitted: 10/26/2005
Submitted By: AECOM (AUTH_RP)
Title: GEO_BORE (MW-24)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7536283195/T0600101484.PDF

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 7/19/2010

Status: Open - Verification Monitoring
Date: 7/19/2010

Status: Open - Remediation
Date: 5/19/2009

Status: Open - Remediation
Date: 6/1/2007

Status: Open - Site Assessment
Date: 7/22/1992

Status: Open - Case Begin Date
Date: 1/13/1983

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	3 of7	ESE	0.15 / 799.43	21.02 / 2	UNION OIL CO OF CA 6800 ROBERTSON AVENUE NEWARK CA 94560	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036427.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	4 of7	ESE	0.15 / 799.43	21.02 / 2	ROHM & HAAS COMPANY 6800 ROBERTSON AVE NEWARK CA 94560	EMISSIONS

1990 Criteria Data

Facility ID:	7907	**CERR Code:**	
Facility SIC Code:	2821	**TOGT:**	9.2
CO:	1	**ROGT:**	7.86894
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Facility ID:	7907	**COID:**	ALA
Facility SIC Code:	2821	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	5 of7	ESE	0.15 / 799.43	21.02 / 2	UNOCAL CHEMICALS DIVISION 6800 ROBERTSON AVE NEWARK CA 94560	EMISSIONS

1987 Criteria Data

Facility ID:	578	**CERR Code:**	
Facility SIC Code:	2821	**TOGT:**	3
CO:	1	**ROGT:**	2.59596
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	.2
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

1987 Toxic Data

Facility ID:	578	**COID:**	ALA
Facility SIC Code:	2821	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	6 of7	ESE	0.15 / 799.43	21.02 / 2	UNION OIL CO. OF CA 6800 ROBERSTSON AVENUE NEWARK CA	HIST TANK

Owner Name: UNION CHEMICALS DIVISION
Owner Street: 1900 EAST GOLF ROAD
Owner City: SCHAUMBURG
Owner State: IL
Owner Zip: 60195
No of Containers: 7
County: ALAMEDA
Facility State: CA
Facility Zip: 94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
34	7 of7	ESE	0.15 / 799.43	21.02 / 2	QUIETROCK BY PABCO GYPSUM 6800 REDEKER PL NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000436424
Gen Status Universe: No Report
Contact Name: JOHN MOORE
Contact Address: 6800 REDEKER PL , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-896-1070
Contact Email: JOHN.MOORE@QUIETROCK.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20180522
Location Latitude: 37.524
Location Longitude: -122.024381

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20180522
Handler Name: QUIETROCK BY PABCO GYPSUM
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	10600 WHITE ROCK RD BLDG B STE 100
Name:	PABCO BUILDING PRODUCTS LLC	**Street 2:**	
Date Became Current:		**City:**	RANCHO CORDOVA
Date Ended Current:		**State:**	CA
Phone:	916-631-6500	**Country:**	
Source Type:	Implementer	**Zip Code:**	95670

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	6800 REDEKER PL
Name:	JOHN MOORE	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-896-1070	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
35	1 of1	NNW	0.15 / 810.03	21.98 / 3	GACHINA LANDSCAPE MANAGEMENT 6750 CLARK AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAL000437053
Gen Status Universe:	No Report
Contact Name:	SYLVIA MENDEZ
Contact Address:	1130 OBRIEN DR , , MENLO PARK , CA, 94025 ,
Contact Phone No and Ext:	650-853-0400
Contact Email:	
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20180620
Location Latitude:	37.528327
Location Longitude:	-122.029071

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20180620
Handler Name:	GACHINA LANDSCAPE MANAGEMENT
Source Type:	Implementer

Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	815 DIXON WAY
Name:	HARUMI JACLYN ISHIMARU GACHINA	**Street 2:**	
Date Became Current:		**City:**	LOS ALTOS
Date Ended Current:		**State:**	CA
Phone:	415-602-1221	**Country:**	
Source Type:	Implementer	**Zip Code:**	94022

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1130 OBRIEN DR
Name:	SYLVIA MENDEZ	**Street 2:**	
Date Became Current:		**City:**	MENLO PARK
Date Ended Current:		**State:**	CA
Phone:	650-853-0400	**Country:**	
Source Type:	Implementer	**Zip Code:**	94025

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36 | **1 of1** | **WSW** | **0.17 / 892.79** | **15.87 / -3** | **CARGILL SALT COMPANY**
NEWARK CA | **PFAS IND**

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014443021024	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	94560LSLSL7200C
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	2	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	70.705	**TRI Reporter:**	-
Fac Pop Den:	3306.52	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	1
Region:	09	**Date Last Inspection:**	11/18/2021
Latitude:	37.52208	**Days Last Inspection:**	744
Longitude:	-122.03159		

Fac Derived Tribes: -
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: CAD009134438
RCRA Permit Types: LQG
RCRA NAICS: 311942 325180 424690
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: N
Fac Collection Meth: ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us: Y

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.03159,%22y%22:37.52208,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110000483325

Industry: Chemical Mfg

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37 | **1 of3** | **WNW** | **0.17 / 895.58** | **20.46 / 1** | **CELLCO PARTNERSHIP**
37555 SYCAMORE STREET
NEWARK CA 94560 | **CLEANUP SITES**

Global ID: SL0600101415
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444500
RWQCB Region (DL):
Longitude:
Latitude:
Address: 37555 SYCAMORE STREET
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0613
Local Case No: 0735
Begin Date: 8/7/2003
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
How Discovered: Site Assessment/Site Investigation
Stop Method:
Stop Description:
Case Worker: EC
Military DoD Site: No
Leak Reported Dt: 2002-10-28 00:00:00
No Further Action Dt: 2011-06-13 00:00:00
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil
How Discovered Description: Due diligence investigation
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause: Other
Discharge Source: Other
Facility Project Sub Type:
Calenviroscreen 3 Score: 46-50%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2011-06-13 00:00:00

Status: Open
Status Date: 2003-08-07 00:00:00

Status: Open - Verification Monitoring
Status Date: 2003-08-07 00:00:00

Status: Open - Case Begin Date
Status Date: 2003-08-07 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: EILEEN CHEN
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD.
City: FREMONT
Email: eileen.chen@acwd.com
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600101415
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 6/13/2011
Potential COC: DIESEL, WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0735
CASE MANAGER: EILEEN CHEN
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0613
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600101415&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 6/13/2011
Received Issue Date: 6/13/2011

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600101415&enforcement_id=6089529&temptable=ENFORCEMENT
Title Description Comments:

NFA Letter

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/25/2011
Received Issue Date: 5/25/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600101415&enforcement_id=6089236&temptable=ENFORCEMENT
Title Description Comments:

Case closure recommendation letter

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 3/21/2011
Received Issue Date: 3/21/2011
Doc Link:
Title Description Comments:

Request for well destruction

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 2/10/2006
Received Issue Date: 2/10/2006
Doc Link:
Title Description Comments:

Geotracker Submittals

Action Type: Leak Action
Action: Leak Discovery
Action Date: 10/28/2002
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 10/28/2002
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 6/13/2011
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: EILEEN CHEN (REGULATOR)
Title: NFA LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600101415&enforcement_id=6089529

Document Type: Site Documents ***Document Date:*** 5/25/2011
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: EILEEN CHEN (REGULATOR)
Title: CASE CLOSURE RECOMMENDATION LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600101415&enforcement_id=6089236

Document Type: Monitoring Reports ***Document Date:*** 2/7/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GROUND-WATER MONITORING IN AUGUST 2005, BRASHEAR PROPERTY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2928617179/SL0600101415.PDF

Document Type: Monitoring Reports ***Document Date:*** 2/7/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GROUND-WATER MONITORING IN MAY 2005, BRASHEAR PROPERTY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7261723160/SL0600101415.PDF

Document Type: Site Documents ***Document Date:*** 2/7/2006
Type: REPORTS - INVESTIGATION RPT. ***Submitted:***
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: INSTALLATION OF A GROUND-WATER MONITORING WELL-BRASHEAR PROPERTY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2626356363/SL0600101415.PDF

Document Type: Monitoring Reports ***Document Date:*** 2/7/2006
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GROUND-WATER MONITORING IN FEBRUARY 2005, BRASHEAR PROPERTY
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3536023795/SL0600101415.PDF

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 12/23/2005
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3830045938/SL0600101415.pdf

Submitted: 12/23/2005
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GEO_BORE (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3379409611/SL0600101415.pdf

Submitted: 12/23/2005
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GEO_BORE (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2602323234/SL0600101415.pdf

Submitted: 12/23/2005
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: GEO_BORE (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1943692862/SL0600101415.pdf

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 6/13/2011

Status: Open - Verification Monitoring
Date: 8/7/2003

Status: Open - Case Begin Date
Date: 8/7/2003

Status: Open
Date: 8/7/2003

37	2 of3	WNW	0.17 / 895.58	20.46 / 1	ARELLANO MOTORS 37555 SYCAMORE ST #9 NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000451620
Gen Status Universe: No Report

Contact Name:	JOSE ARELLANO
Contact Address:	37555 SYCAMORE ST #9 , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	650-863-9876
Contact Email:	
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20191224
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20191224
Handler Name:	ARELLANO MOTORS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	35238 ERVING CT
Name:	JOSE ARELLANO	**Street 2:**	
Date Became Current:		**City:**	FREMONT
Date Ended Current:		**State:**	CA
Phone:	650-863-9876	**Country:**	
Source Type:	Implementer	**Zip Code:**	94536

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37555 SYCAMORE ST #9
Name:	JOSE ARELLANO	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	650-863-9876	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
37	3 of3	WNW	0.17 / 895.58	20.46 / 1	CELLCO PARTNERSHIP 37555 SYCAMORE STREET NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600101415
Fac ID:
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	1 of7	WSW	0.17 / 905.98	18.51 / -1	CORPORATE EXPRESS 7091 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAR000200261
Gen Status Universe: No Report
Contact Name: J AARON MONTGOMERY
Contact Address: 8041 W I 70 FRONTAGE RD , UNIT NO 5 , ARVADA , CO, 80002 , US
Contact Phone No and Ext: 303-423-9949
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20090910
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sequence No: 1
Receive Date: 20090505
Handler Name: CORPORATE EXPRESS
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20090910
Handler Name: CORPORATE EXPRESS
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: INVESCO REAL ESTATE
Date Became Current: 20010301
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1: 1 ENVIRONMENTAL WAY
Street 2:
City: BROOMFIELD
State: CO
Country: US
Zip Code: 80021

Owner/Operator Ind: Current Operator
Type: Private
Name: CORPORATE EXPRESS
Date Became Current: 20041001
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country:
Zip Code:

Historical Handler Details

Receive Dt: 20090505
Generator Code Description: Small Quantity Generator
Handler Name: CORPORATE EXPRESS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	2 of7	WSW	0.17 / 905.98	18.51 / -1	REDWOOD LUMBER COMPANY 7091 CENTRAL AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: SL0600138208
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Address: 7091 CENTRAL AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)
Case Type (DL):
Census Tract: 6001444302
RWQCB Region (DL):
Longitude:
Latitude:

GeoTracker Sites Data Download - Site Details

RB Case No:	01S0183
Local Case No:	0260
Begin Date:	1/19/2001
Lead Agency:	ALAMEDA COUNTY WATER DISTRICT
Local Agency:	
CUF Case:	NO
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	
How Discovered:	
Stop Method:	
Stop Description:	
Case Worker:	
Military DoD Site:	No
Leak Reported Dt:	
No Further Action Dt:	2001-01-19 00:00:00
Potential Media of Concern:	
How Discovered Description:	
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name:	Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:	
Coordinate Source:	Google Geocode
Discharge Cause:	
Discharge Source:	
Facility Project Sub Type:	
Calenviroscreen 3 Score:	51-55%
Calenviroscreen 4 Score:	45-50%
File Location:	
Site History:	

GeoTracker Sites Data Download - Status History

Status:	Open - Case Begin Date
Status Date:	2001-01-19 00:00:00
Status:	Completed - Case Closed
Status Date:	2001-01-19 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type:	Regional Board Caseworker
Contact Name:	Regional Water Board
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY ST SUITE 1400
City:	OAKLAND
Email:	
Phone No:	

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	
User Defined Beneficial Use:	

Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600138208
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/19/2001
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0260
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0183
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600138208&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Case Begin Date
Date: 1/19/2001

Status: Completed - Case Closed
Date: 1/19/2001

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	3 of7	WSW	0.17 / 905.98	18.51 / -1	REDWOOD LUMBER 7091 CENTRAL NEWARK CA 94560	CLEANUP SITES

Global ID: SLT19771421
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444302
RWQCB Region (DL):
Longitude:
Latitude:
Address: 7091 CENTRAL
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: NA
Local Case No: RO0002824
Begin Date: 7/29/1987
Lead Agency: ALAMEDA COUNTY LOP
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Polychlorinated biphenyls (PCBs), Waste Oil / Motor / Hydraulic / Lubricating, Lead
How Discovered: * SA
Stop Method: Other Means
Stop Description:
Case Worker:
Military DoD Site: No
Leak Reported Dt: 1987-08-20 00:00:00
No Further Action Dt: 1999-06-24 00:00:00

Potential Media of Concern:	Other Groundwater (uses other than drinking water)
How Discovered Description:	
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name:	Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:	
Coordinate Source:	Google Geocode
Discharge Cause:	
Discharge Source:	
Facility Project Sub Type:	
Calenviroscreen 3 Score:	51-55%
Calenviroscreen 4 Score:	45-50%
File Location:	All Files are on GeoTracker or in the Local Agency Database
Site History:	

GeoTracker Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	1999-06-24 00:00:00
Status:	Open - Case Begin Date
Status Date:	1987-07-29 00:00:00

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
Designated Beneficl Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:	
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=SLT19771421
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 6/24/1999
Potential COC:	LEAD, POLYCHLORINATED BIPHENYLS (PCBS), WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq:	
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002824 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SLT19771421&tabname=regulatoryhistory
Site History:	

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type:	Other Regulatory Actions
Action:	Closure Summary
Action Date:	1/10/2001
Received Issue Date:	1/10/2001
Doc Link:	https://geotracker.waterboards.ca.gov/view_documents? global_id=SLT19771421&enforcement_id=6402833&temptable=ENFORCEMENT
Title Description Comments:	

Case Closure Documentation for Site

Action Type: Leak Action
Action: Leak Discovery
Action Date: 8/20/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 8/20/1987
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents
Type: CLOSURE SUMMARY
Submitted By: MADELEINE LITTLE (REGULATOR)
Title: CASE CLOSURE DOCUMENTATION FOR SITE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SLT19771421&enforcement_id=6402833
Document Date: 1/10/2001
Submitted:

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 6/24/1999

Status: Open - Case Begin Date
Date: 7/29/1987

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	4 of7	WSW	0.17 / 905.98	18.51 / -1	REDWOOD LUMBER 7091 CENTRAL AVE NEWARK CA 94560	LOP ALAMEDA

Record ID: RO0002824
Alt Record ID:
Program:
Release Type:
Site Contact: LOGAN, MADHULLA
RP Identification Date:
GIS Latitude:
GIS Longitude:
Data Source: Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 9
Status Desc: Case closed
Substance:
Org Name:
Description 1:
Description 2:
Description 3:
Description 4:
Description 5:
Description 6:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	5 of7	WSW	0.17 / 905.98	18.51 / -1	CORPORATE EXPRESS 7091 CENTRAL AVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAP000195578
Gen Status Universe: No Report
Contact Name: CYNDY LYMAN
Contact Address: 1 ENVIRONMENTAL WAY , , BROOMFIELD , CO, 80021 , US
Contact Phone No and Ext: 303-664-2627
Contact Email: CYNDYSUE.LYMAN@CEXP.COM
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20090105
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20081001
Handler Name: CORPORATE EXPRESS
Source Type: Temporary
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20090105
Handler Name: CORPORATE EXPRESS
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	CORPORATE EXPRESS	***Street 2:***	
Date Became Current:	20041001	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Temporary	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	1 ENVIRONMENTAL WY
Name:	INVESCO REAL ESTATE	***Street 2:***	
Date Became Current:	20010301	***City:***	BROOMFIELD
Date Ended Current:		***State:***	CO
Phone:		***Country:***	US
Source Type:	Temporary	***Zip Code:***	80021

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	CORPORATE EXPRESS	***Street 2:***	
Date Became Current:	20041001	***City:***	
Date Ended Current:		***State:***	
Phone:		***Country:***	
Source Type:	Notification	***Zip Code:***	

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	1 ENVIRONMENTAL WY
Name:	INVESCO REAL ESTATE	***Street 2:***	
Date Became Current:	20010301	***City:***	BROOMFIELD
Date Ended Current:		***State:***	CO
Phone:		***Country:***	US
Source Type:	Notification	***Zip Code:***	80021

Historical Handler Details

Receive Dt:	20081001
Generator Code Description:	Small Quantity Generator
Handler Name:	CORPORATE EXPRESS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	6 of7	WSW	0.17 / 905.98	18.51 / -1	REDWOOD LUMBER 7091 CENTRAL NEWARK CA 94560	CONT ALAMEDA

Facility Type:	CLEANUP PROGRAM SITE	***Rel Desc:***	
Status:	COMPLETED - CASE CLOSED	***Rel Type:***	
Site Code:		***Rel T Desc:***	
Site ID:	RO0002824	***Program:***	
Record ID:	RO0002824	***Case Desc:***	
ID Type:		***ID Date:***	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:	SLT19771421	***Inv Party:***	
Fac ID:		***Inv P Type:***	
Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
38	7 of7	WSW	0.17 / 905.98	18.51 / -1	REDWOOD LUMBER COMPANY 7091 CENTRAL AVENUE	CONT ALAMEDA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					NEWARK CA 94560	

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600138208
Fac ID:
Desc:

Inv Party:
Inv P Type:

39	1 of6	WNW	0.17 / 912.93	21.46 / 2	TWO COUNT COMPANY 37590 SYCAMORE ST NEWARK CA 94560	LUST

Global ID: T0600101394
Site Facility Type:
Status: Completed - Case Closed
Status Date (DL): 8/16/2012
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): TWO COUNT COMPANY
Address: 37590 SYCAMORE ST
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444500
Census Tract (SRCH): 6001444500
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: NO
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: UUU
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-1510
Local Case No: 0119
File Location: Local Agency
Potential COC: Diesel
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 3/25/1987
How Discovered: Tank Closure
How Discovered Description: Tank Removal
Stop Method:
Stop Description: Tank replacement
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Physc / Mech Damage
Discharge Source: Tank
EPA Region: 9
Leak Reported Dt: 1987-03-25 00:00:00
Military DoD Site: No
No Further Action Dt: 2012-08-16 00:00:00

Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 46-50%
Calenviroscreen 4 Score: 60-65%
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: EILEEN CHEN
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD.
City: FREMONT
Email: eileen.chen@acwd.com
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 8/16/2012

Status: Open - Verification Monitoring
Status Date: 6/7/2012

Status: Open - Site Assessment
Status Date: 1/28/1988

Status: Open - Site Assessment
Status Date: 1/20/1988

Status: Open - Case Begin Date
Status Date: 3/25/1987

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: TWO COUNT COMPANY
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 37590 SYCAMORE ST
City: NEWARK
Zip: 94560
County: ALAMEDA
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101394
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 8/16/2012
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101394&tabname=regulatoryhistory
Potential COC: DIESEL
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location: LOCAL AGENCY
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management: NOTIFY PRIOR TO CHANGE IN LAND USE
Future Land Use: INDUSTRIAL
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0119
CASE MANAGER: EILEEN CHEN

SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1510
CASE MANAGER: Regional Water Board
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.

CUF Claim No:
CUF Priority Assig:
CUF Amount Paid:
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Desc:
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date : 8/16/2012

Status: Open - Verification Monitoring
Date : 6/7/2012

Status: Open - Site Assessment
Date : 1/28/1988

Status: Open - Site Assessment
Date : 1/20/1988

Status: Open - Case Begin Date
Date : 3/25/1987

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 12/4/1998
End Date: 12/4/1998
Phase: Soil
Contaminant Mass Removed: 40
Description:

Action Type: EXCAVATION
Begin Date: 3/11/1987
End Date: 4/1/1987
Phase: Soil
Contaminant Mass Removed: 48 Tons
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 8/16/2012
Received Issue Date: 8/16/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6135656&temptable=ENFORCEMENT
Title Description Comments:

Closure Letter for 37590 Sycamore Street, Newark, Alameda

Action Type: Other Regulatory Actions
Action: LOP Case Closure Summary to RB
Action Date: 7/23/2012
Received Issue Date: 7/23/2012
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6131321&temptable=ENFORCEMENT
Title Description Comments:

Case Closure Recommendation

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 11/1/2011
Received Issue Date: 11/1/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6124753&temptable=ENFORCEMENT
Title Description Comments:

Site status

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2010
Received Issue Date: 6/30/2010
Doc Link:
Title Description Comments:

SWRCB Resolution No. 2009-0042

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 10/17/2005
Received Issue Date: 10/17/2005
Doc Link:
Title Description Comments:

Phone call - site investigation

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/5/1999
Received Issue Date: 5/5/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6005363&temptable=ENFORCEMENT
Title Description Comments:

ACWD's status letter regarding wells within the site

Action Type: Cleanup Action
Action: Excavation
Action Date: 12/4/1998
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045524
Title Description Comments:

Case Availability at ACWD

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 6/15/1990
Received Issue Date: 6/15/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045523
Title Description Comments:

Hydrocarbon Contamination

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 3/18/1988
Received Issue Date: 3/18/1988
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045518
Title Description Comments:

Monitoring Well Installation

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 1/27/1988
Received Issue Date: 1/27/1988
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045516
Title Description Comments:

Well Permit Application

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 1/21/1988
Received Issue Date: 1/21/1988
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045517
Title Description Comments:

Work Plan Limited Enviro Investigation

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 12/7/1987
Received Issue Date: 12/7/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045525
Title Description Comments:

Scope of Work for Environmental Investigation

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 3/25/1987
Received Issue Date: 3/25/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101394&doc_id=6045522
Title Description Comments:

Transmittal of Lab Results on Soil Samples

Action Type: Leak Action
Action: Leak Discovery
Action Date: 3/25/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action

Action: Leak Stopped
Action Date: 3/25/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 3/25/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Excavation
Action Date: 3/11/1987
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 8/16/2012
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: CLOSURE LETTER FOR 37590 SYCAMORE STREET, NEWARK, ALAMEDA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6135656

Document Type: Site Documents ***Document Date:*** 7/23/2012
Type: LOP CASE CLOSURE SUMMARY TO RB ***Submitted:***
Submitted By: EILEEN CHEN (REGULATOR)
Title: CASE CLOSURE RECOMMENDATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6131321

Document Type: Monitoring Reports ***Document Date:*** 5/17/2012
Type: MONITORING REPORT - OTHER ***Submitted:***
Submitted By: RODGER C. WITHAM (AUTH_RP)
Title: WELL SAMPLING RESULTS REPORT, NEWARK COMMUNITY CHURCH
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4683547914/T0600101394.PDF

Document Type: Site Documents ***Document Date:*** 11/1/2011
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: EILEEN CHEN (REGULATOR)
Title: SITE STATUS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6124753

Document Type: Site Documents ***Document Date:*** 5/5/1999
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: ACWD'S STATUS LETTER REGARDING WELLS WITHIN THE SITE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&enforcement_id=6005363

Document Type: Site Documents ***Document Date:*** 6/27/1996
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: MICHAEL ORJI (REGULATOR)
Title: CASE AVAILABILITY AT ACWD
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045524

Document Type: Site Documents ***Document Date:*** 6/15/1990
Type: CORRESPONDENCE ***Submitted:***
Submitted By: MICHAEL ORJI (REGULATOR)
Title: HYDROCARBON CONTAMINATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045523

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Document Type: Site Documents
Type: WELL INSTALLATION REPORT
Submitted By: MICHAEL ORJI (REGULATOR)
Title: MONITORING WELL INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045518
Document Date: 3/18/1988
Submitted:

Document Type: Site Documents
Type: OTHER REPORT / DOCUMENT
Submitted By: MICHAEL ORJI (REGULATOR)
Title: WELL PERMIT APPLICATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045516
Document Date: 1/27/1988
Submitted:

Document Type: Site Documents
Type: SOIL AND WATER INVESTIGATION WORKPLAN
Submitted By: MICHAEL ORJI (REGULATOR)
Title: WORK PLAN LIMITED ENVIRO INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045517
Document Date: 1/21/1988
Submitted:

Document Type: Site Documents
Type: SITE ASSESSMENT REPORT
Submitted By: MICHAEL ORJI (REGULATOR)
Title: SCOPE OF WORK FOR ENVIRONMENTAL INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045525
Document Date: 12/7/1987
Submitted:

Document Type: Site Documents
Type: SOIL AND WATER INVESTIGATION REPORT
Submitted By: MICHAEL ORJI (REGULATOR)
Title: TRANSMITTAL OF LAB RESULTS ON SOIL SAMPLES
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101394&document_id=6045522
Document Date: 3/25/1987
Submitted:

39	2 of6	WNW	0.17 / 912.93	21.46 / 2	TWO COUNT COMPANY INC 37590 SYCAMORE ST. NEWARK CA 94560	HHSS

County: Alameda
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00036403.pdf

---

39	3 of6	WNW	0.17 / 912.93	21.46 / 2	FULL SPECTRUM INDUSTRIES, INC 37590 SYCAMORE ST NEWARK CA 94560	EMISSIONS

1990 Criteria Data

Facility ID: 6258
Facility SIC Code: 2521
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .2
ROGT: .1768
COT:
NOXT:
SOXT:
PMT:
PM10T:

1990 Toxic Data

Facility ID: 6258
Facility SIC Code: 2521
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

---

39 | **4 of6** | **WNW** | **0.17 / 912.93** | **21.46 / 2** | **TWO COUNT COMPANY, INC.**
37590 SYCAMORE ST.
NEWARK CA

HIST TANK

Owner Name:	TWO COUNT CO., INC.	**No of Containers:**	1
Owner Street:	37590 SYCAMORE ST.	**County:**	ALAMEDA
Owner City:	NEWARK	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	94560
Owner Zip:	94560		

---

39 | **5 of6** | **WNW** | **0.17 / 912.93** | **21.46 / 2** | **TWO COUNT CO**
37590 SYCAMORE
NEWARK CA

UST SWEEPS

C C:	A01-008-86543	**D Filename:**	SITE01A
BOE:		**Page No:**	118
Comp:	86543	**County:**	ALAMEDA
Status:	ACTIVE	**State :**	CA
No of Tanks:	1	**Zip:**	94560
Jurisdict:	CITY OF NEWARK	**Latitude:**	37.525989
Agency:	FIRE DEPARTMENT	**Longitude:**	-122.030658
Phone:		**Georesult:**	S5HPN-SCZA

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	1	**Stg:**	P
SWRCB No:	01-008-086543-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	09-17-91	**Content:**	DIESEL
Capac:	5000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK1B

---

39 | **6 of6** | **WNW** | **0.17 / 912.93** | **21.46 / 2** | **TWO COUNT COMPANY**
37590 SYCAMORE ST
NEWARK CA 94560

CONT
ALAMEDA

Facility Type:	LUST CLEANUP SITE	**Rel Desc:**	
Status:	COMPLETED - CASE CLOSED	**Rel Type:**	
Site Code:		**Rel T Desc:**	
Site ID:		**Program:**	
Record ID:		**Case Desc:**	
ID Type:		**ID Date:**	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:	T0600101394	**Inv Party:**	
Fac ID:		**Inv P Type:**	
Desc:			

---

40 | **1 of1** | **WNW** | **0.19 / 1,025.05** | **20.78 / 2** | **AL'S CUSTOM FINISHING INC**
37537 SYCAMORE ST, STE B

EMISSIONS

2003 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	7535	***TOGT:***	.763
CO:	1	***ROGT:***	.66
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2003 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	7535	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2004 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	7535	***TOGT:***	.763
CO:	1	***ROGT:***	.651029
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2004 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	7535	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2005 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	7532	***TOGT:***	.763
CO:	1	***ROGT:***	.651029
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2005 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	15708	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.763
CO:	1	**ROGT:**	.651029
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2006 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	15708	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	4.184
CO:	1	**ROGT:**	3.8313592
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2007 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	15708	**CERR Code:**	
Facility SIC Code:	2434	**TOGT:**	3.472
CO:	1	**ROGT:**	2.9673026
Air Basin:	SF	**COT:**	

District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2008 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	2434	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	15708	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	2.619
CO:	1	**ROGT:**	2.198442
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2009 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	2434	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	15708	**CERR Code:**	
Facility SIC Code:	2434	**TOGT:**	2.973
CO:	1	**ROGT:**	2.5715562
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2011 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	2434	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	2434	***TOGT:***	2.973
CO:	1	***ROGT:***	2.5715562
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2012 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	2434	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	2434	***TOGT:***	3.732
CO:	1	***ROGT:***	3.1400484
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2013 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	2434	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2014 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	2434	***TOGT:***	1.551821044

CO:	1	**ROGT:**	
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2014 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	2434	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	15708	**CERR Code:**	
Facility SIC Code:	2434	**TOGT:**	2.0144403
CO:	1	**ROGT:**	2.0144403
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2015 Toxic Data

Facility ID:	15708	**COID:**	ALA
Facility SIC Code:	2434	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	15708	**CERR CODE:**	
Facility SIC Code:	2434	**TOGT:**	2.489674804
CO:	1	**ROGT:**	2.156269484048
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2016 Toxic Data

Facility ID:	15708	**TS:**	
Facility SIC Code:	2434	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	ALA	**AH Index:**	
CO:	1	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	2434	***TOGT:***	2.194956731
CO:	1	***ROGT:***	1.932228937069
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2017 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	2434	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	15708	***CERR Code:***	
Facility SIC Code:	2434	***TOGT:***	2.379698084
CO:	1	***ROGT:***	1.983978815173
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2018 Toxic Data

Facility ID:	15708	***COID:***	ALA
Facility SIC Code:	2434	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
Facility ID:	15708	***ROGT:***	2.6209384569488
District:	BA	***COT:***	
Facility SIC Code:	2434	***NOXT:***	
CO ID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD		
PM10T:			
TOGT:	3.082033516		
PMT:			

2019 Toxic Data

CO:	1	***DISN:***	BAY AREA AQMD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin:	SF	**CHAPIS:**	
Faccility ID:	15708	**CERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	2434	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
Facility ID:	15708	**ROGT:**	1.1957975659554
District:	BA	**COT:**	
Facility SIC Code:	2434	**NOXT:**	
CO ID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD		
TOGT:	1.520237508		
PMT:			
PM10T:			

2020 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Facility ID:	15708	**CHERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	2434	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
41	1 of1	ENE	0.20 / 1,059.87	21.77 / 3	UNION OIL NEWARK CA	PFAS IND

Status:	Unknown	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	-
Fac Derived Huc:	18050003	**EPA Programs:**	CWA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011014	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	Y
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	2/21/1989	**RCRAFlag:**	N
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	94560NCLCH6800R
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	71.245	**TRI Reporter:**	-
Fac Pop Den:	4506.18	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	-
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.527001	**Days Last Inspection:**	-
Longitude:	-122.021994		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	CAP000023		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CWA Permit Types:	Non-M
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	-
RCRA Permit Types:	-
RCRA NAICS:	-
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.021994,%22y%22:37.527001,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110009532452
Industry:	Plastics and Resins

42	1 of3	ENE	0.20 / 1,079.65	22.59 / 3	**UNION OIL CO. OF CA** **6800 ROBERTSON AVE** **NEWARK CA**	UST SWEEPS

C C:	A01-008-65221	**D Filename:**	SITE01A
BOE:	44-000051	**Page No:**	118
Comp:	65221	**County:**	ALAMEDA
Status:	ACTIVE	**State :**	CA
No of Tanks:	4	**Zip:**	94560
Jurisdict:	CITY OF NEWARK	**Latitude:**	37.524261
Agency:	FIRE DEPARTMENT	**Longitude:**	-122.024176
Phone:		**Georesult:**	S5HPNTSCZA

Tank Details

Tank ID:	000004	**S Contain:**	
O Tank ID:	T-4	**Stg:**	P
SWRCB No:	01-008-065221-000004	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	30000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK1B

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	T-1	**Stg:**	P
SWRCB No:	01-008-065221-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	14700	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK1B

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:	T-3	**Stg:**	P
SWRCB No:	01-008-065221-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	07-01-85	**Content:**	
Capac:	30000	**ONA:**	
Tank Use:	UNKNOWN	**D File Name:**	TANK1B

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank Details

Tank ID:	000002	***S Contain:***	
O Tank ID:	T-2	***Stg:***	P
SWRCB No:	01-008-065221-000002	***Storage :***	
Removed:		***Storag Type:***	PRODUCT
Installed:		***P Contain:***	
A Date:	07-01-85	***Content:***	
Capac:	14700	***ONA:***	
Tank Use:	UNKNOWN	***D File Name:***	TANK1B

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	2 of3	ENE	0.20 / 1,079.65	22.59 / 3	UNION OIL CO. OF CA 6800 ROBERTSON AVE NEWARK CA	UST SWEEPS

C C:	I01-008-65221	***D Filename:***	NSITE6
BOE:	44-000051	***Page No:***	228
Comp:	65221	***County:***	ALAMEDA
Status:	INACTIVE	***State :***	CA
No of Tanks:	1	***Zip:***	94560
Jurisdict:	CITY OF NEWARK	***Latitude:***	37.524261
Agency:	FIRE DEPARTMENT	***Longitude:***	-122.024176
Phone:	(415) 793-4900	***Georesult:***	S5HPNTSCZA

Tank Details

Tank ID:	000005	***S Contain:***	NONE
O Tank ID:		***Stg:***	
SWRCB No:	01-008-065221-000005	***Storage :***	PRODUCT
Removed:	01-09-92	***Storag Type:***	PRODUCT
Installed:	01-01-74	***P Contain:***	BARE STEEL
A Date:		***Content:***	REG UNLEADED
Capac:	500	***ONA:***	
Tank Use:	M.V. FUEL	***D File Name:***	NTANK6

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
42	3 of3	ENE	0.20 / 1,079.65	22.59 / 3	UNOCAL CHEMICALS 6800 ROBERTSON AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type:	CLEANUP PROGRAM SITE	***Rel Desc:***	
Status:	COMPLETED - CASE CLOSED	***Rel Type:***	
Site Code:		***Rel T Desc:***	
Site ID:		***Program:***	
Record ID:		***Case Desc:***	
ID Type:		***ID Date:***	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:	T0600101484	***Inv Party:***	
Fac ID:		***Inv P Type:***	
Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
43	1 of1	NNW	0.21 / 1,110.20	22.47 / 3	WHITE CAP LTD 6691 CLARK AVE NEWARK CA 94560	RCRA VSQG

EPA Handler ID:	CAR000353623
Gen Status Universe:	VSG
Contact Name:	NICOLE CURLEY

Contact Address:	6250 , BROOK HOLLOW PARKWAY , , NORCROSS , GA, 30071 , US
Contact Phone No and Ext:	470-312-8471
Contact Email:	NICOLE.CURLEY@WHITECAP.COM
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20230419
Location Latitude:	37.528258
Location Longitude:	-122.029249

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20230419
Handler Name:	WHITE CAP LTD
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	122
Waste Code Description:	Alkaline solution without metals (pH > 12.5)
Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	223
Waste Code Description:	Unspecified oil-containing waste
Hazardous Waste Code:	291
Waste Code Description:	Latex waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	561
Waste Code Description:	Detergent and soap
Hazardous Waste Code:	792

Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D016
Waste Code Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	201
Type:	Private	***Street 1:***	WEST STREET
Name:	RLF III WEST LLC, NORTH AMERICAN TERMINALS MANAGEMENT, INC. C/O REALTERM US,INC.	***Street 2:***	SUITE 200
Date Became Current:	20220630	***City:***	ANNAPOLIS
Date Ended Current:		***State:***	MD
Phone:	410-280-0100	***Country:***	US
Source Type:	Notification	***Zip Code:***	21401

Owner/Operator Ind:	Current Operator	***Street No:***	6250
Type:	Private	***Street 1:***	BROOK HOLLOW PARKWAY
Name:	WHITE CAP, LTD.	***Street 2:***	
Date Became Current:	20230414	***City:***	NORCROSS
Date Ended Current:		***State:***	GA
Phone:	470-312-8471	***Country:***	US
Source Type:	Notification	***Zip Code:***	30071

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	1 of9	E	0.21 / 1,110.27	20.62 / 2	COLUMBUS COATED FABRICS 38083 CHERRY ST NEWARK CA 94560	CERCLIS

Site ID:	0901366	***RNPL Status Code:***	N
Site EPA ID:	CAD045291192	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	ALAMEDA	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06001	***USGS Hydro Unit No.:***	18050003
Region Code:	09	***Site Cong. Dist. Code:***	10
Site SMSA No.:	7360	***ROT Desc:***	Unknown
Site Prim. Latitude:	37D39M40S	***FR NPL Update No.:***	
Site Prim. Longitude:	122D01M15S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	5/1/1985 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	002	***Act Start Date:***	
RAT Code:	SI	***Act Complete Date:***	3/27/1990 00:00:00
RAT Short Name:	SI	***AGT Order No.:***	160
RAT Name:	SITE INSPECTION	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	11/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	3/27/1990 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	

RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	SI	**Act Complete Date:**	8/1/1981 00:00:00
RAT Short Name:	SI	**AGT Order No.:**	160
RAT Name:	SITE INSPECTION	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	
SPA Code:	13		
RAT Def:	The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.		
Site Desc:			
Site Alias:			

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	
Act Code ID:		**Act Start Date:**	
RAT Code:		**Act Complete Date:**	
RAT Short Name:		**AGT Order No.:**	0
RAT Name:		**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:		**SH Seq:**	
RAT Level:		**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	BORDEN INC,,,CA,;		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	2 of9	E	0.21 / 1,110.27	20.62 / 2	COLUMBUS COATED FABRICS 38083 CHERRY ST NEWARK CA 94560	CERCLIS NFRAP

Site ID:	901366	**Site FIPS Code:**	6001
Site EPA ID:	CAD045291192	**Region Code:**	9
Site Parent ID:		**Site Cong. Dist. Code:**	10
Site County Name:	ALAMEDA	**Federal Facility:**	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	11/1/1979
RAT Code:	DS	**AGT Order No.:**	10
RAT Short Name:	DISCVRY	**SH OU:**	
RAT Name:	DISCOVERY	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	

RFBS Code: **SH Qual:**
SPA Code: 13 **RAQ Act. Qual Short:**
RALT Short Name: EPA Fund **RNPL Status Code:** N
RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0 **Act Start Date:**
Act Code ID: 1 **Act Complete Date:** 3/27/1990
RAT Code: VS **AGT Order No.:** 1500
RAT Short Name: ARCH SITE **SH OU:**
RAT Name: ARCHIVE SITE **SH Code:**
RAT Hist. Only Flag: **SH Seq:**
RAT NSI Indicator: B **SH Start Date:**
RAT Level: 1 **SH Complete Date:**
RAT DEF OU: 00 **SH Lead:**
RFBS Code: **SH Qual:**
SPA Code: 13 **RAQ Act. Qual Short:**
RALT Short Name: EPA In-House **RNPL Status Code:** N
RAT Def: The decision is made that no further activity is planned at the site.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0 **Act Start Date:**
Act Code ID: 1 **Act Complete Date:** 5/1/1985
RAT Code: PA **AGT Order No.:** 130
RAT Short Name: PA **SH OU:**
RAT Name: PRELIMINARY ASSESSMENT **SH Code:**
RAT Hist. Only Flag: **SH Seq:**
RAT NSI Indicator: B **SH Start Date:**
RAT Level: 1 **SH Complete Date:**
RAT DEF OU: 00 **SH Lead:**
RFBS Code: P **SH Qual:**
SPA Code: 13 **RAQ Act. Qual Short:** Low priority
RALT Short Name: EPA Fund **RNPL Status Code:** N
RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0 **Act Start Date:**
Act Code ID: 2 **Act Complete Date:** 3/27/1990
RAT Code: SI **AGT Order No.:** 160
RAT Short Name: SI **SH OU:**
RAT Name: SITE INSPECTION **SH Code:**
RAT Hist. Only Flag: **SH Seq:**
RAT NSI Indicator: B **SH Start Date:**
RAT Level: 1 **SH Complete Date:**
RAT DEF OU: 00 **SH Lead:**
RFBS Code: P **SH Qual:**
SPA Code: 13 **RAQ Act. Qual Short:** NFRAP
RALT Short Name: EPA Fund **RNPL Status Code:** N
RAT Def: The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.
RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID: 0 **Act Start Date:**
Act Code ID: 1 **Act Complete Date:** 8/1/1981

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Code:	SI	**AGT Order No.:**	160
RAT Short Name:	SI	**SH OU:**	
RAT Name:	SITE INSPECTION	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:	P	**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	Higher priority
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N

RAT Def: The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

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44	3 of9	E	0.21 / 1,110.27	20.62 / 2	**B E P NEWARK L P** **38083 CHERRY ST** **NEWARK CA 94560**	**RCRA NON GEN**

EPA Handler ID: CAD045291192
Gen Status Universe: No Report
Contact Name: MICHAEL DUDASKO
Contact Address: CLAYTON ENV CONSULTANTS , 1252 QUARRY LN P O BOX 9019 , PLEASANTON , CA, 94566 , US
Contact Phone No and Ext: 510-426-2637
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 19980818
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920227
Handler Name: INTERNATIONAL PAPER
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19980818
Handler Name: B E P NEWARK L P
Source Type: Notification
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Waste Code Details

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: B E P NEWARK L P
Date Became Current:
Date Ended Current:
Phone: 415-391-9800
Source Type: Notification

Street No:
Street 1: 433 CALIFORNIA ST STE 610
Street 2:
City: SAN FRANCISCO
State: CA
Country:
Zip Code: 94104

Owner/Operator Ind: Current Operator
Type: Private
Name: NOT REQUIRED
Date Became Current:
Date Ended Current:
Phone: 415-555-1212
Source Type: Notification

Street No:
Street 1: NOT REQUIRED
Street 2:
City: NOT REQUIRED
State: ME
Country:
Zip Code: 99999

Historical Handler Details

Receive Dt: 19920227
Generator Code Description: Large Quantity Generator
Handler Name: INTERNATIONAL PAPER

44	4 of9	E	0.21 / 1,110.27	20.62 / 2	SOLECTRON CALIFORNIA BLDG 18 38083 CHERRY ST NEWARK CA 94560	RCRA SQG

EPA Handler ID: CAD002465052
Gen Status Universe: Small Quantity Generator
Contact Name: ELAINE NGUYEN
Contact Address: 847 GIBRALTAR DR EH AND S DPT , , MILPITIAS , CA, 95035 , US
Contact Phone No and Ext: 408-957-2748
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 19970724
Location Latitude: 37.524789
Location Longitude: -122.021838

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960830
Handler Name:	SOLECTRON CALIFORNIA BLDG 18
Federal Waste Generator Code:	1
Generator Code Description:	Large Quantity Generator
Source Type:	Notification

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	19970724
Handler Name:	SOLECTRON CALIFORNIA BLDG 18
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	NOT REQUIRED
Name:	NOT REQUIRED	***Street 2:***	
Date Became Current:		***City:***	NOT REQUIRED
Date Ended Current:		***State:***	ME
Phone:	415-555-1212	***Country:***	
Source Type:	Notification	***Zip Code:***	99999

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	101 LINCOLN CTR DR
Name:	LINCOLN PROPERTY MGMT	***Street 2:***	
Date Became Current:		***City:***	FOSTER CITY
Date Ended Current:		***State:***	CA
Phone:	415-571-2200	***Country:***	
Source Type:	Notification	***Zip Code:***	95035

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	351 CALIFORNIA ST STE 1150

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name: BEP NEWARK C/O ELLIS PARTNERS
Date Became Current:
Date Ended Current:
Phone: 415-391-9800
Source Type: Notification
Street 2:
City: SAN FRANCISCO
State: CA
Country:
Zip Code: 94104

Historical Handler Details

Receive Dt: 19960830
Generator Code Description: Large Quantity Generator
Handler Name: SOLECTRON CALIFORNIA BLDG 18

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44 | **5 of9** | **E** | **0.21 / 1,110.27** | **20.62 / 2** | **INTERNATIONAL PAPER COMPANY**
38083 CHERRY ST
NEWARK CA 94560 | **CLEANUP SITES**

Global ID: T0600100962
Site Facility Type:
Cleanup Status:
Status (SRCH): OPEN - SITE ASSESSMENT
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444601
RWQCB Region (DL):
Longitude:
Latitude:
Address: 38083 CHERRY ST
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01-1043
Local Case No: 0297
Begin Date: 10/29/1991
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Stoddard solvent / Mineral Spriits / Distillates
How Discovered: Tank Closure
Stop Method:
Stop Description:
Case Worker: CCM
Military DoD Site: No
Leak Reported Dt: 1991-10-29 00:00:00
No Further Action Dt:
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause: Physc / Mech Damage
Discharge Source: Tank
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

The site is a 10.64-acre industrial property that has previously been used for the production of coated fabrics, label-printing, and warehousing. Several chemical companies have occupied the property since it was developed in the mid-1960s: Columbia Coated Fabrics (CCF) (a subsidiary of Borden, Inc.), Stetcher-Traung-Schmidt (STS) (a subsidiary of International Paper), International Paper, Howe Family Trust, BEP Newark L.P./Ellis Partners,

United Logistic Solutions, and Hexion, Inc. From June to September 1986, three subsurface soil and groundwater investigations were conducted following the removal of four USTs containing diesel and fuel oil on June 13, 1986. The results from these three investigations all reported concentrations of contaminants that were below laboratory reporting and/or regulatory limits. An additional site assessment was conducted on June 24, 1986, near the printing press and near the former cooling tower. Detections of hydrocarbon contaminants suggested that further site assessment was needed in these areas. In 1990, a subsurface investigation was conducted at the site, including the advancement of four soil borings (B-1 through B-4), collection of soil samples from each boring, and collection of a water sample from the sump for analysis. In the soil samples analyzed, total petroleum hydrocarbons as diesel (TPH-d) and total oil and gas (TOG) were detected at maximum concentrations of 1,900 milligrams per kilogram (mg/kg) (B-3 at 5 feet bgs) and 2,000 mg/kg (B-4 composite sample), respectively. All other analytes were not detected above laboratory detection limits. In the sump water sample (W-1), TPH-d was detected at 1.3 micrograms per liter (ug/L). In response to these findings, the Alameda County Water District (ACWD) requested further site characterization. A two-phase subsurface investigation took place at the site in December 1991 and June to July 1993 during which elevated levels of hydrocarbon contamination were discovered. During the Phase II subsurface investigation, remediation was also conducted, including the removal of 13 pipes associated with the sump and former ASTs and USTs and removal and disposal of 40 CY of impacted soil excavated from the pipeline corridor. The sump was filled in with concrete and, following conclusion that no further action was needed in the sump area in 1996, demolished and removed from the Source Property. The 1993 Phase II investigation was conducted concurrently with the regulatory closure of the sump area. In November 1994, approximately 54 tons of soil impacted by petroleum hydrocarbons and metals was excavated from the area of the former compressor and disposed off-site. In 1996, two subsurface investigations were performed near the former UST/AST area and in the vicinity of the former drainage ditch (received effluent rinsate from tanks which were used for blending plasticizers). During the 1996 investigations, bis(2-ethylhexyl)phthalate and di-n-octyl phthalate associated with the solvent UST pipes were detected in soil. In the former drainage ditch, semi-volatile organic compounds (SVOCs) and metals were detected above action levels. Since 1996, several phases of soil and groundwater investigations were conducted, including the drilling of 54 exploratory boreholes (B 1 through B 18, B 70 through B 92, B 93 through B 99, and SB 1 through SB 6) and the installation of 16 groundwater monitoring wells [W 1 through W 5, MW 1 through MW 5, W 6 through W 10, and W 11 (screened in the Newark Aquifer)]. Groundwater sampling has been conducted at the site since 1995 and routine groundwater monitoring was conducted from 2000 to 2017.

GeoTracker Sites Data Download - Status History

Status:	Open - Site Assessment
Status Date:	2023-10-05 00:00:00
Status:	Open - Eligible for Closure
Status Date:	2022-12-13 00:00:00
Status:	Open - Eligible for Closure
Status Date:	2019-12-17 00:00:00
Status:	Open - Case Begin Date
Status Date:	1991-10-29 00:00:00
Status:	Open - Site Assessment
Status Date:	1991-10-29 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type:	Regional Board Caseworker - Primary Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cherie.mccaulou@waterboards.ca.gov
Phone No:	
Contact Type:	Local Agency Caseworker
Contact Name:	AVA LAZOR
Organization Name:	ALAMEDA COUNTY WATER DISTRICT
Address:	43885 South Grimmer Boulevard
City:	FREMONT
Email:	ava.lazor@acwd.com
Phone No:	5106684411

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	

Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600100962
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 10/5/2023
Potential COC: STODDARD SOLVENT / MINERAL SPRIITS / DISTILLATES
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0297
CASE MANAGER: AVA LAZOR
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1043
CASE MANAGER: Cherie McCaulou
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600100962&tabname=regulatoryhistory
Site History:

The site is a 10.64-acre industrial property that has previously been used for the production of coated fabrics, label-printing, and warehousing. Several chemical companies have occupied the property since it was developed in the mid-1960s: Columbia Coated Fabrics (CCF) (a subsidiary of Borden, Inc.), Stetcher-Traung-Schmidt (STS) (a subsidiary of International Paper), International Paper, Howe Family Trust, BEP Newark L.P./Ellis Partners, United Logistic Solutions, and Hexion, Inc.

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GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 7/1/1993
End Date:
Phase: Soil
Contaminant Mass Removed:
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Enforcement - Other
Action: UNK
Action Date:
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Enforcement - Other
Action: UNK
Action Date:
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 10/12/2023
Received Issue Date: 10/12/2023
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6556693&temptable=ENFORCEMENT
Title Description Comments:

Request for PFAS Sampling

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/12/2019
Received Issue Date: 6/12/2019
Doc Link:
Title Description Comments:

Case Review

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 6/1/2017
Received Issue Date: 6/1/2017
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6321917&temptable=ENFORCEMENT
Title Description Comments:

Work Plan Comments

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Doc Link:
Title Description Comments:

File Review

Action Type: Other Regulatory Actions
Action: Verbal Communication
Action Date: 11/13/2014
Received Issue Date: 11/13/2014
Doc Link:
Title Description Comments:

Coordinate a meeting with the RP to discuss status of site

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/30/2014
Received Issue Date: 7/30/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6215056&temptable=ENFORCEMENT
Title Description Comments:

ACWD's response site closure request

Action Type: Other Regulatory Actions
Action: Meeting
Action Date: 7/12/2010
Received Issue Date: 7/12/2010
Doc Link:
Title Description Comments:

2009 Report Submittal

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 4/30/1999
Received Issue Date: 4/30/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966915
Title Description Comments:

Dames Moore Response to ACWD Comments and Revised Proposal for Soil Investigation (plus Arial Photos)

Action Type: Response Requested - Workplans
Action: Corrective Action Plan / Remedial Action Plan - Addendum
Action Date: 2/4/1999
Received Issue Date: 2/4/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5843847
Title Description Comments:

Revised Proposal Soil Investigation - Former Settling Pond 2.2.1999

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 2/4/1999
Received Issue Date: 2/4/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966913
Title Description Comments:

Thrid Qtr. 1998 GW Mon. Rpt. and Misc. correspondence

Action Type: Other Regulatory Actions
Action: Staff Letter
Action Date: 12/6/1998
Received Issue Date: 12/6/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6360773&temptable=ENFORCEMENT
Title Description Comments:

Correspondence for soil removal action and site investigation

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 10/27/1998
Received Issue Date: 10/27/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966916
Title Description Comments:

Proposed Scope - Settling Pond Investigation 38083 Cherry Street

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 9/18/1998
Received Issue Date: 9/18/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966914
Title Description Comments:

International Paper letter to Regional Water Board (1998)

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 9/1/1998
Received Issue Date: 9/1/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966910
Title Description Comments:

Misc. Correspondance (attorneys)

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 6/1/1998
Received Issue Date: 6/1/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966912
Title Description Comments:

ACWD Correspondence (1998-99)

Action Type: Response Requested - Workplans
Action: Other Workplan
Action Date: 2/12/1997
Received Issue Date: 2/12/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071966
Title Description Comments:

Final Closure Work Plan

Action Type: Response Requested - Reports
Action: Site Investigation
Action Date: 12/23/1996
Received Issue Date: 12/23/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071535
Title Description Comments:

Supplementary Site Investigation Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 12/11/1996
Received Issue Date: 12/11/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071964
Title Description Comments:

Quarterly Groundwater Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 12/11/1996
Received Issue Date: 12/11/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071957
Title Description Comments:

Quarterly Groundwater Monitoring Report

Action Type: Response Requested - Workplans
Action: Other Workplan
Action Date: 9/5/1996
Received Issue Date: 9/5/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6041512
Title Description Comments:

Transmittal of Closure Plan

Action Type: Response Requested - Workplans
Action: Proposed Plan
Action Date: 9/3/1996
Received Issue Date: 9/3/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071529
Title Description Comments:

Closure Plan, 38083 Cherry Street, Newark, California

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6041511
Title Description Comments:

Case Availability at ACWD

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 5/7/1996
Received Issue Date: 5/7/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071956
Title Description Comments:

Work Plan to Determine Buried USTs and Piping

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 11/6/1995
Received Issue Date: 11/6/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071955
Title Description Comments:

Workplan to Complete a Limited Remedial Investigation

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/3/1995
Received Issue Date: 1/3/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071952
Title Description Comments:

Second Quarter 1994 Quarterly Monitoring Report

Action Type: Response Requested - Workplans
Action: Removal Action Work Plan
Action Date: 11/14/1994
Received Issue Date: 11/14/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071948
Title Description Comments:

Revised Workplan, Remediation of Petroleum Hydrocarbon Impacted Soils

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 7/13/1994
Received Issue Date: 7/13/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071943
Title Description Comments:

First Quarter 1994 Quarterly Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/28/1994
Received Issue Date: 2/28/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071939
Title Description Comments:

Fourth Quarter 1993 Quarterly Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Other
Action Date: 1/26/1994
Received Issue Date: 1/26/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071936
Title Description Comments:

Third Quarter 1993 Monthly Monitoring Report

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 9/13/1993
Received Issue Date: 9/13/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6045542
Title Description Comments:

Sump Closure and Phase II Subsurface Investigation

Action Type: Cleanup Action
Action: Excavation
Action Date: 7/1/1993
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 3/2/1993
Received Issue Date: 3/2/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071931
Title Description Comments:

Phase II Subsurface Investigation and Sump Closure Workplan

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 5/20/1992
Received Issue Date: 5/20/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=5966911
Title Description Comments:

Hazardous Materials Management Plan

Action Type: Response Requested - Reports

Action: Site Assessment Report
Action Date: 4/13/1992
Received Issue Date: 5/11/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071587
Title Description Comments:

Subsurface Investigation, Phase I Results

Action Type: Leak Action
Action: Leak Stopped
Action Date: 10/29/1991
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 10/29/1991
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 10/29/1991
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 9/24/1991
Received Issue Date: 9/24/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071584
Title Description Comments:

Subsurface Investigation Work Plan

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 9/28/1990
Received Issue Date: 9/28/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071539
Title Description Comments:

Site Assessment Quarterly Report

Action Type: Other Regulatory Actions
Action: File review - #0002D329
Action Date: 7/31/1990
Received Issue Date: 7/31/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6459799&temptable=ENFORCEMENT
Title Description Comments:

ACWD Kick-Off Letter, Hydrocarbon Contamination at International Paper Company

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 7/27/1990
Received Issue Date: 7/27/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6045526
Title Description Comments:

Test Borings and Chemical Results

Action Type: Response Requested - Workplans
Action: Proposed Plan
Action Date: 6/4/1990
Received Issue Date: 6/4/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600100962&doc_id=6071537
Title Description Comments:

Sampling and Analysis Plan, International Paper Company, Newark, California

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 10/12/2023
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: AVA LAZOR (REGULATOR)
Title: REQUEST FOR PFAS SAMPLING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6556693

Document Type: Site Documents ***Document Date:*** 5/26/2023
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: KLEINFELDER (AUTH_RP)
Title: FORMER BORDEN FACILITY CLOSURE LETTER_FINAL
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6557901322/T0600100962.PDF

Document Type: Site Documents ***Document Date:*** 12/17/2019
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: ROBERT HORWATH (AUTH_RP)
Title: SITE ASSESSMENT AND CLOSURE REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9505733788/T0600100962.PDF

Document Type: Site Documents ***Document Date:*** 6/1/2017
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: JENNIFER GALVIN (REGULATOR)
Title: WORK PLAN COMMENTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6321917

Document Type: Site Documents ***Document Date:*** 3/15/2017
Type: SOIL AND WATER INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: ROBERT HORWATH (AUTH_RP)
Title: ADDITIONAL SOIL AND GROUNDWATER WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4375841140/T0600100962.PDF

Document Type: Site Documents ***Document Date:*** 7/30/2014
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: STEPHANIE TAING (REGULATOR)
Title: ACWD'S RESPONSE SITE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6215056

Document Type: Monitoring Reports ***Document Date:*** 1/15/2013
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT OCTOBER 2012 MONITORING EVENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7261489808/T0600100962.PDF

Document Type: Site Documents ***Document Date:*** 5/16/2012
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: SITE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7652581632/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 4/12/2012

Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT SEPTEMBER 2011
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4863764464/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 1/13/2011
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT 2010
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8206559181/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 8/25/2009
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7130445122/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 8/4/2009
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4213510096/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/31/2006
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4769694030/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/18/2005
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7910685241/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 2/12/2004
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: MONITORING WELL REPORT DECEMBER 2003
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8957681238/T0600100962.PDF

Document Type: Monitoring Reports ***Document Date:*** 5/14/2003
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: IAIN BAKER (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT: SUMMARY OF 2002 AND 2003 MONITORING EVENTS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1150797545/T0600100962.PDF

Document Type: Site Documents ***Document Date:*** 4/30/1999
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: DAMES MOORE RESPONSE TO ACWD COMMENTS AND REVISED PROPOSAL FOR SOIL INVESTIGATION (PLUS ARIAL PHOTOS)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966915

Document Type: Site Documents ***Document Date:*** 2/4/1999
Type: CORRESPONDENCE ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: THRID QTR. 1998 GW MON. RPT. AND MISC. CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966913

Document Type: Site Documents ***Document Date:*** 2/4/1999
Type: CORRECTIVE ACTION PLAN / REMEDIAL ACTION PLAN - ADDENDUM ***Submitted:***
Submitted By: CAROLYN LAM (REGULATOR)
Title: REVISED PROPOSAL SOIL INVESTIGATION - FORMER SETTLING POND 2.2.1999
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5843847

Document Type: Site Documents ***Document Date:*** 12/6/1998
Type: STAFF LETTER ***Submitted:***

Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: CORRESPONDENCE FOR SOIL REMOVAL ACTION AND SITE INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6360773

Document Type: Site Documents **Document Date:** 10/27/1998
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: PROPOSED SCOPE - SETTLING POND INVESTIGATION 38083 CHERRY STREET
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966916

Document Type: Site Documents **Document Date:** 9/18/1998
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: INTERNATIONAL PAPER LETTER TO REGIONAL WATER BOARD (1998) - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966914

Document Type: Site Documents **Document Date:** 9/1/1998
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: MISC. CORRESPONDANCE (ATTORNEYS) - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966910

Document Type: Site Documents **Document Date:** 6/1/1998
Type: CORRESPONDENCE **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: ACWD CORRESPONDENCE (1998-99) - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966912

Document Type: Site Documents **Document Date:** 2/12/1997
Type: OTHER WORKPLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: FINAL CLOSURE WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071966

Document Type: Site Documents **Document Date:** 12/23/1996
Type: SITE INVESTIGATION **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SUPPLEMENTARY SITE INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071535

Document Type: Monitoring Reports **Document Date:** 12/11/1996
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: QUARTERLY GROUNDWATER MONITORING REPORT - QUARTERLY GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6066312491/0297%20Quarterly%20Groundwater%20Monitoring%20Report%2011%2D27%2D1996%2Epdf

Document Type: Monitoring Reports **Document Date:** 12/11/1996
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: QUARTERLY GROUNDWATER MONITORING REPORT - QUARTERLY GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9343259513/0297%20Quarterly%20Groundwater%20Monitoring%20Report%2011%2D27%2D1996%2Epdf

Document Type: Site Documents **Document Date:** 9/5/1996
Type: OTHER WORKPLAN **Submitted:**
Submitted By: MICHAEL ORJI (REGULATOR)
Title: TRANSMITTAL OF CLOSURE PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6041512

Document Type: Site Documents **Document Date:** 9/3/1996
Type: PROPOSED PLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: CLOSURE PLAN, 38083 CHERRY STREET, NEWARK, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071529

Document Type: Site Documents **Document Date:** 6/27/1996
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: MICHAEL ORJI (REGULATOR)
Title: CASE AVAILABILITY AT ACWD
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6041511

Document Type: Site Documents **Document Date:** 5/7/1996
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: WORK PLAN TO DETERMINE BURIED USTS AND PIPING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071956

Document Type: Site Documents **Document Date:** 11/6/1995
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: WORKPLAN TO COMPLETE A LIMITED REMEDIAL INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071955

Document Type: Monitoring Reports **Document Date:** 1/3/1995
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SECOND QUARTER 1994 QUARTERLY MONITORING REPORT - SECOND QUARTER 1994 QUARTERLY MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8025586783/0297%20Second%20Quarter%201994%20Quarterly%20Monitoring%20Report%2012%2D22%2D1994%2Epdf

Document Type: Site Documents **Document Date:** 11/14/1994
Type: REMOVAL ACTION WORK PLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: REVISED WORKPLAN, REMEDIATION OF PETROLEUM HYDROCARBON IMPACTED SOILS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071948

Document Type: Monitoring Reports **Document Date:** 7/13/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: FIRST QUARTER 1994 QUARTERLY MONITORING REPORT - FIRST QUARTER 1994 QUARTERLY MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1403714835/0297%20First%20Quarter%201994%20Quarterly%20Monitoring%20Report%2007%2D13%2D1994%2Epdf

Document Type: Monitoring Reports **Document Date:** 2/28/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: FOURTH QUARTER 1993 QUARTERLY MONITORING REPORT - FOURTH QUARTER 1993 QUARTERLY MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1055173575/0297%20Fourth%20Quarter%201993%20Quarterly%20Monitoring%20Report%2002%2D10%2D1994%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/26/1994
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: THIRD QUARTER 1993 MONTHLY MONITORING REPORT - THIRD QUARTER 1993 MONTHLY MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5990506827/0297%20Third%20Quarter%201993%20Monthly%20Monitoring%20Report%2001%2D12%2D1994%2Epdf

Document Type: Site Documents **Document Date:** 9/13/1993
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SUMP CLOSURE AND PHASE II SUBSURFACE INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6045542

Document Type: Site Documents **Document Date:** 3/2/1993
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: PHASE II SUBSURFACE INVESTIGATION AND SUMP CLOSURE WORKPLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071931

Document Type: Site Documents **Document Date:** 5/20/1992
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: HAZARDOUS MATERIALS MANAGEMENT PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=5966911

Document Type: Site Documents **Document Date:** 5/11/1992
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SUBSURFACE INVESTIGATION, PHASE I RESULTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071587

Document Type: Site Documents **Document Date:** 9/24/1991
Type: SITE INVESTIGATION WORKPLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SUBSURFACE INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071584

Document Type: Site Documents **Document Date:** 9/28/1990
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SITE ASSESSMENT QUARTERLY REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071539

Document Type: Site Documents **Document Date:** 7/31/1990
Type: FILE REVIEW **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: ACWD KICK-OFF LETTER, HYDROCARBON CONTAMINATION AT INTERNATIONAL PAPER COMPANY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&enforcement_id=6459799

Document Type: Site Documents **Document Date:** 7/27/1990
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: TEST BORINGS AND CHEMICAL RESULTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6045526

Document Type: Site Documents **Document Date:** 6/4/1990
Type: PROPOSED PLAN **Submitted:**
Submitted By: AVA LAZOR (REGULATOR)
Title: SAMPLING AND ANALYSIS PLAN, INTERNATIONAL PAPER COMPANY, NEWARK, CALIFORNIA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600100962&document_id=6071537

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Site Assessment
Date: 10/5/2023

Status: Open - Eligible for Closure
Date: 12/13/2022

Status: Open - Eligible for Closure
Date: 12/17/2019

Status: Open - Site Assessment
Date: 10/29/1991

Status: Open - Case Begin Date
Date: 10/29/1991

44	6 of9	E	0.21 / 1,110.27	20.62 / 2	**COLUMBUS COATED FABRICS** **38083 CHERRY ST** **NEWARK CA 94560**	SEMS ARCHIVE

Site ID: 0901366 **FIPS Code:** 06001
EPA ID: CAD045291192 **Cong District:** 10
Superfund Alte Agr: No **Region:** 09
Federal Facility: No **County:** ALAMEDA

FF Docket: No
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Action Information

Operable Units:	00	**Qual:**	N
Action Code:	SI	**SEQ:**	2
Action Name:	SI	**FF:**	N
Start Actual:		**FF Docket:**	N
Finish Actual:	03/27/1990	**Region:**	09
Curr Action Lead:	EPA Perf		

Operable Units:	00	**Qual:**	
Action Code:	DS	**SEQ:**	1
Action Name:	DISCVRY	**FF:**	N
Start Actual:	11/01/1979	**FF Docket:**	N
Finish Actual:	11/01/1979	**Region:**	09
Curr Action Lead:	EPA Perf		

Operable Units:	00	**Qual:**	H
Action Code:	SI	**SEQ:**	1
Action Name:	SI	**FF:**	N
Start Actual:		**FF Docket:**	N
Finish Actual:	08/01/1981	**Region:**	09
Curr Action Lead:	EPA Perf		

Operable Units:	00	**Qual:**	L
Action Code:	PA	**SEQ:**	1
Action Name:	PA	**FF:**	N
Start Actual:		**FF Docket:**	N
Finish Actual:	05/01/1985	**Region:**	09
Curr Action Lead:	EPA Perf		

Operable Units:	00	**Qual:**	
Action Code:	VS	**SEQ:**	1
Action Name:	ARCH SITE	**FF:**	N
Start Actual:		**FF Docket:**	N
Finish Actual:	03/27/1990	**Region:**	09
Curr Action Lead:	EPA Perf In-Hse		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	7 of9	E	0.21 / 1,110.27	20.62 / 2	INTERNATIONAL PAPER FC&L DIVIS 38083 CHERRY STREET NEWARK CA 94560	EMISSIONS

1987 Criteria Data

Facility ID:	695	**CERR Code:**	
Facility SIC Code:	2752	**TOGT:**	28.3
CO:	1	**ROGT:**	28.3
Air Basin:	SF	**COT:**	0
District:	BA	**NOXT:**	.1
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	.4
CHAPIS:		**PM10T:**	.36

1987 Toxic Data

Facility ID:	695	**COID:**	ALA
Facility SIC Code:	2752	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1990 Criteria Data

Facility ID:	695	***CERR Code:***	
Facility SIC Code:	2752	***TOGT:***	18.2
CO:	1	***ROGT:***	18.2
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	.2
CHAPIS:		***PM10T:***	.18

1990 Toxic Data

Facility ID:	695	***COID:***	ALA
Facility SIC Code:	2752	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

1993 Criteria Data

Facility ID:	695	***CERR Code:***	
Facility SIC Code:	2752	***TOGT:***	24.9
CO:	1	***ROGT:***	24.82883
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	.3
CHAPIS:		***PM10T:***	.27

1993 Toxic Data

Facility ID:	695	***COID:***	ALA
Facility SIC Code:	2752	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
44	8 of9	E	0.21 / 1,110.27	20.62 / 2	INTERNATIONAL PAPER COMPANY 38083 CHERRY ST NEWARK CA 94560	CONT ALAMEDA

Facility Type:	CLEANUP PROGRAM SITE	***Rel Desc:***	
Status:	OPEN - SITE ASSESSMENT	***Rel Type:***	
Site Code:		***Rel T Desc:***	
Site ID:		***Program:***	
Record ID:		***Case Desc:***	
ID Type:		***ID Date:***	
Substance:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: T0600100962
Fac ID:
Desc:
Inv Party:
Inv P Type:

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44 | **9 of9** | **E** | **0.21 / 1,110.27** | **20.62 / 2** | **COLUMBUS COATED FABRICS**
38083 CHERRY STREET
NEWARK CA 94560
CALSITES

ID No: 01280013
Status Date: 06/08/1994
NPL:
Tier:
Fund:
Access :
Access Code: NOT REPORTED
Cortese:
Hrscore:
Hrsdate:
Groundwater Contam:
GW Code: NOT REPORTED
No Sources: 0
RWQCB Name: SAN FRANCISCO BAY
Branch Name: NORTH COAST
Staff:
Senior:
Assembly:
Senate:
Region: 2
Region Name: BERKELEY
County Co: 01
Facility County: ALAMEDA
Lat Deg: 0
Lat Min: 0
Lat Sec: 0
Lat Dir:
Long Deg: 0
Long Min: 0
Long Sec: 0
Long Dir:
LImethod:
LIdesc:
Status Name: PROPERTY/SITE REFERRED TO RWQCB
Type Name: N/A
Lead Name: N/A
SIC Name: MANU - CHEMICALS & ALLIED PRODUCTS
Filename:
Comments:

QUESTIONNAIRE RECEIVED LATITUDE: 37-32, LONGITUDE: 122-02 WASTE TYPE: INK & POLMERIC COAT WASTES. INSPECTION(STATE) ASP INSPECTIONS. FACILITY DRIVE-BY ASP DRIVE-BY. ENFORCEMENT(OTHER) REQUESTED DOCUMENTATION RECEIVED INSPECTION (STATE) SITE INSPECTION BY ASP & RWQCB. 2 SOIL SAMPLES COLLECTED & ANALYZED FOR PCB'S & METALS. EVIDENCE OF SPILLS. FINAL STRATEGY SITE REFFERED: TO RWQCB SITE SCREENING DONE SOURCE ACTIVITY: COMPANY MANUFACTURED POLYVINYL (PVC) CHLORIDE FILM & WALL COVERING. WASTE PROBLEM: PROCESS WASTEWATER HAD BEEN DISCHARGED INTO A STORM DRAIN DITCH TRIBUTARY TO SAN FRANCISCO BAY. PONDING OF WASTEWATER CONTAINING PVC OCCURRED IN AN ADJACENT FIELD. RATIONALE FOR NFA: FIELD AND DITCH WERE CLEANED, FILLED & GRADED IN 3/78. DISCH TO SURFACE WATER CURTAILED. DHS, RWQCB & EPA FILES INDICATE SITE THAT SOURCES OF CONTAMINATION HAVE BEEN REMOVED. EPA COMPLETED REASSESSMENT OF SCREENING SITE INSPECTION AND RECOMMEND NO FURTHER ACTION.

Background:

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45 | **1 of1** | **E** | **0.21 / 1,110.36** | **20.62 / 2** | **COLUMBUS COATED FABRICS**
38083 CHERRY STREET
NEWARK CA 94560
ENVIROSTOR

Estor/EPA ID: 01280013
Site Code:
Nat Priority List: NO
APN: 092A-2300-020-01, 92A-2300-20-1
Census Tract: 6001444601
Site Type: EVALUATION
Address Description: 38083 CHERRY STREET
Office: CLEANUP BERKELEY
Special Program:
Funding:
Cleanup Status: NO ACTION REQUIRED AS OF 6/1/1987
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: DENISE TSUJI
County: ALAMEDA
Latitude: 37.5248846767463
Longitude: -122.021922793275
Acres: 7.3 ACRES
Supervisor: DENISE TSUJI

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cleanup Oversight Agencies: RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

POLYCHLORINATED BIPHENYLS (PCBS)
UNCATEGORIZED

Site History:

The company manufactured polyvinyl chloride (PVC) film and wall covering discharging process wastewater into a storm drain ditch tributary to San Francisco Bay. Wastewater containing PVC ponded in an adjacent field.

Status: NO ACTION REQUIRED
Program Type: EVALUATION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01280013

Completed Activities

Title: Site Screening
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01280013&doc_id=5000024
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 6/1/1987
Comments: Completed Site Screening. NFA was recommended. Field and ditch were cleaned, filled and graded in March 1978. Discharge to surface water curtailed. DHS, RWQCB & EPA files indicate that sources of contamination have been removed.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
46	1 of1	NE	0.22 / 1,144.42	22.68 / 4	EDUARDO PEDREIRA 37818 LOBELIA DRIVE NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAC003000749
Gen Status Universe: No Report
Contact Name: EDUARDO PEDREIRA
Contact Address: 37818 LOBELIA DRIVE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 408-687-7938
Contact Email: MARIAE@PWSEI.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20190212
Location Latitude: 37.528618
Location Longitude: -122.023232

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No

Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190212
Handler Name:	EDUARDO PEDREIRA
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	37818 LOBELIA DRIVE
Name:	EDUARDO PEDREIRA	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	408-687-7938	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37818 LOBELIA DRIVE
Name:	EDUARDO PEDREIRA	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	408-687-7938	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

47	*1 of1*	***WSW***	***0.22 / 1,175.27***	***15.64 / -3***	***SESAME 7300 CENTRAL AVE STE C NEWARK CA 94560***	***RCRA NON GEN***

EPA Handler ID:	CAL000464251
Gen Status Universe:	No Report
Contact Name:	ALEXANDR ANTONCIUC
Contact Address:	7300 CENTRAL AVE STE C , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	415-596-7884
Contact Email:	ALEXANDR.ANTONCIUC@ITRENEW.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20210723
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No

Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20210723
Handler Name:	SESAME
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	7300 CENTRAL AVE STE C
Name:	ALEXANDR ANTONCIUC	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	415-596-7884	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	7575 GATEWAY BLVD
Name:	ITRENEW CEDERLIND	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	408-744-9600	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
48	***1 of1***	***WSW***	***0.22 / 1,175.46***	***16.31 / -3***	***FERAL PRODUCTIONS 7300 CENTRAL AVE A NEWARK CA 94560***	***DELISTED HAZ***

Siteid:	392595
Latitude:	37.521320
Longitude:	-122.032420
Original Source:	CHAZ
Record Date:	30-MAY-2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	***1 of14***	***NW***	***0.23 / 1,188.03***	***22.90 / 4***	***DANS AUTO BODY & PAINT SHOP 37444 SYCAMORE ST APT 6 NEWARK CA 94560***	***RCRA SQG***

EPA Handler ID:	CAD982040594
Gen Status Universe:	Small Quantity Generator
Contact Name:	
Contact Address:	US
Contact Phone No and Ext:	
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA

EPA Region:	09
Land Type:	
Receive Date:	19960901
Location Latitude:	37.529172
Location Longitude:	-122.036713

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19960901
Handler Name:	DANS AUTO BODY & PAINT SHOP
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	NOT REQUIRED	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	DAN CARVALHO	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	2 of14	NW	0.23 / 1,188.03	22.90 / 4	LOPEZ AUTO CLINIC 37444 SYCAMORE ST 15 NEWARK CA 94560	DELISTED HAZ

Siteid:	131300
Latitude:	37.527600
Longitude:	-122.031510

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Original Source:		CHAZ				
Record Date:		30-MAY-2017				

49	3 of14	NW	0.23 / 1,188.03	22.90 / 4	**BUMPERS 2000** **37444 SYCAMORE ST, SUITE 9** **NEWARK CA 94560**	EMISSIONS

2005 Criteria Data

Facility ID:	14796	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.514
CO:	1	**ROGT:**	.497552
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2005 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	14796	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.514
CO:	1	**ROGT:**	.497552
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2006 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

49	4 of14	NW	0.23 / 1,188.03	22.90 / 4	**BUMPERS & PARTS, INC** **37444 SYCAMORE ST, SUITE 9** **NEWARK CA 94560**	EMISSIONS

2007 Criteria Data

Facility ID:	14796	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.406
CO:	1	**ROGT:**	.393008
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2007 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	14796	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.406
CO:	1	**ROGT:**	.393008
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2008 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	14796	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.406
CO:	1	**ROGT:**	.393008
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2009 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2010 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2011 Criteria Data

Facility ID:	14796	**CERR Code:**	
Facility SIC Code:	7532	**TOGT:**	.406
CO:	1	**ROGT:**	.393008
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2011 Toxic Data

Facility ID:	14796	**COID:**	ALA
Facility SIC Code:	7532	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	5 of14	NW	0.23 / 1,188.03	22.90 / 4	J CAM FIBERGLASS 37444 SYCAMORE ST NEWARK CA 94560	EMISSIONS

2007 Criteria Data

Facility ID:	17899	**CERR Code:**	
Facility SIC Code:	2655	**TOGT:**	7.834
CO:	1	**ROGT:**	7.8332166
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2007 Toxic Data

Facility ID:	17899	**COID:**	ALA
Facility SIC Code:	2655	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2008 Criteria Data

Facility ID:	17899	**CERR Code:**	
Facility SIC Code:	2655	**TOGT:**	5.601
CO:	1	**ROGT:**	5.6004399
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2008 Toxic Data

Facility ID:	17899	**COID:**	ALA
Facility SIC Code:	2655	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2009 Criteria Data

Facility ID:	17899	**CERR Code:**	
Facility SIC Code:	2655	**TOGT:**	5.487
CO:	1	**ROGT:**	5.4864513
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2009 Toxic Data

Facility ID:	17899	**COID:**	ALA
Facility SIC Code:	2655	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2010 Toxic Data

Facility ID:	17899	**COID:**	ALA
Facility SIC Code:	2655	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2011 Criteria Data

Facility ID:	17899	***CERR Code:***	
Facility SIC Code:	2655	***TOGT:***	5.487
CO:	1	***ROGT:***	5.4864513
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2011 Toxic Data

Facility ID:	17899	***COID:***	ALA
Facility SIC Code:	2655	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	17899	***CERR Code:***	
Facility SIC Code:	2655	***TOGT:***	5.487
CO:	1	***ROGT:***	5.4864513
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2012 Toxic Data

Facility ID:	17899	***COID:***	ALA
Facility SIC Code:	2655	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	17899	***CERR Code:***	
Facility SIC Code:	2655	***TOGT:***	5.487
CO:	1	***ROGT:***	5.4864513
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2013 Toxic Data

Facility ID:	17899	***COID:***	ALA
Facility SIC Code:	2655	***DISN:***	BAY AREA AQMD

CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
CHAPIS:
CERR Code:

2014 Criteria Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 8.196084023
ROGT:
COT:
NOXT:
SOXT:
PMT:
PM10T:

2014 Toxic Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2015 Criteria Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 7.220054
ROGT: 7.2198266557
COT:
NOXT:
SOXT:
PMT:
PM10T:

2015 Toxic Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2016 Criteria Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CERR CODE:
TOGT: 7.819643137
ROGT: 7.8188611726863
COT:
NOXT:
SOXT:
PMT:

CHAPIS: ***PM10T:***

2016 Toxic Data

Facility ID: 17899
Facility SIC Code: 2655
CERR CODE:
COID: ALA
CO: 1
DISN: BAY AREA AQMD
CHAPIS:
TS:
HRA:
CH Index:
AH Index:
Air Basin: SF
District: BA

2017 Criteria Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 6.98846349
ROGT: 6.987764643651
COT:
NOXT:
SOXT:
PMT:
PM10T:

2017 Toxic Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2018 Criteria Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 7.097598246
ROGT: 7.0968884861754
COT:
NOXT:
SOXT:
PMT:
PM10T:

2018 Toxic Data

Facility ID: 17899
Facility SIC Code: 2655
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

2019 Criteria Data

CO: 1
Air Basin: SF
CHAPIS:
CERR Code:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility ID:	17899	**ROGT:**	7.3883535597531
District:	BA	**COT:**	
Facility SIC Code:	2655	**NOXT:**	
CO ID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD		
PM10T:			
TOGT:	7.389092469		
PMT:			

2019 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Faccility ID:	17899	**CERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	2655	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
Facility ID:	17899	**ROGT:**	9.005157234216
District:	BA	**COT:**	
Facility SIC Code:	2655	**NOXT:**	
CO ID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD		
TOGT:	9.00605784		
PMT:			
PM10T:			

2020 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Facility ID:	17899	**CHERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	2655	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

49	***6 of14***	***NW***	***0.23 / 1,188.03***	***22.90 / 4***	***MILLIFLECT 37444 SYCAMORE ST NEWARK CA 94560***	***EMISSIONS***

1990 Criteria Data

Facility ID:	2862	**CERR Code:**	
Facility SIC Code:	3663	**TOGT:**	10
CO:	1	**ROGT:**	5.98278
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

1990 Toxic Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1993 Criteria Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: 1.3
ROGT: .66986
COT:
NOXT:
SOXT:
PMT:
PM10T:

1993 Toxic Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1995 Criteria Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .9
ROGT: .55878
COT:
NOXT:
SOXT:
PMT:
PM10T:

1995 Toxic Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1996 Criteria Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
CERR Code:
TOGT: .8
ROGT: .6672
COT:
NOXT:

COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
SOXT:
PMT:
PM10T:

1996 Toxic Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1997 Criteria Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .8
ROGT: .6672
COT:
NOXT:
SOXT:
PMT:
PM10T:

1997 Toxic Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1998 Criteria Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:
TOGT: .8
ROGT: .6672
COT:
NOXT:
SOXT:
PMT:
PM10T:

1998 Toxic Data

Facility ID: 2862
Facility SIC Code: 3663
CO: 1
Air Basin: SF
District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: ALA
DISN: BAY AREA AQMD
CHAPIS:
CERR Code:

1999 Criteria Data

Facility ID:	2862	***CERR Code:***	
Facility SIC Code:	3663	***TOGT:***	.918
CO:	1	***ROGT:***	.9099414
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

1999 Toxic Data

Facility ID:	2862	***COID:***	ALA
Facility SIC Code:	3663	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2000 Criteria Data

Facility ID:	2862	***CERR Code:***	
Facility SIC Code:	3663	***TOGT:***	.918
CO:	1	***ROGT:***	.92
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2000 Toxic Data

Facility ID:	2862	***COID:***	ALA
Facility SIC Code:	3663	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2001 Criteria Data

Facility ID:	2862	***CERR Code:***	
Facility SIC Code:	3663	***TOGT:***	.05
CO:	1	***ROGT:***	.05
Air Basin:	SF	***COT:***	
District:	BA	***NOXT:***	
COID:	ALA	***SOXT:***	
DISN:	BAY AREA AQMD	***PMT:***	
CHAPIS:		***PM10T:***	

2001 Toxic Data

Facility ID:	2862	***COID:***	ALA
Facility SIC Code:	3663	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

District: BA
TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2002 Criteria Data

Facility ID:	2862	**CERR Code:**	
Facility SIC Code:	3663	**TOGT:**	.359
CO:	1	**ROGT:**	.3569481
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2002 Toxic Data

Facility ID:	2862	**COID:**	ALA
Facility SIC Code:	3663	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2003 Criteria Data

Facility ID:	2862	**CERR Code:**	
Facility SIC Code:	3663	**TOGT:**	.359
CO:	1	**ROGT:**	.35
Air Basin:	SF	**COT:**	
District:	BA	**NOXT:**	
COID:	ALA	**SOXT:**	
DISN:	BAY AREA AQMD	**PMT:**	
CHAPIS:		**PM10T:**	

2003 Toxic Data

Facility ID:	2862	**COID:**	ALA
Facility SIC Code:	3663	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	7 of14	NW	0.23 / 1,188.03	22.90 / 4	**DELUXE MARBLE** **37444 SYCAMORE ST, STE 11** **NEWARK CA 94560**	EMISSIONS

2005 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	3088	**TOGT:**	3.47
CO:	1	**ROGT:**	3.469653

Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2005 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	3088	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2006 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	1743	**TOGT:**	3.47
CO:	1	**ROGT:**	3.469653
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2006 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2007 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	1743	**TOGT:**	3.47
CO:	1	**ROGT:**	3.469653
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2007 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2008 Criteria Data

Facility ID:	15741	***CERR Code:***	
Facility SIC Code:	1743	***TOGT:***	3.47
CO:	1	***ROGT:***	3.469653
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.004
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2008 Toxic Data

Facility ID:	15741	***COID:***	ALA
Facility SIC Code:	1743	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2009 Criteria Data

Facility ID:	15741	***CERR Code:***	
Facility SIC Code:	1743	***TOGT:***	5.76
CO:	1	***ROGT:***	5.759424
Air Basin:	SF	***COT:***	.001
District:	BA	***NOXT:***	.004
COID:	ALA	***SOXT:***	0
DISN:	BAY AREA AQMD	***PMT:***	0
CHAPIS:		***PM10T:***	0

2009 Toxic Data

Facility ID:	15741	***COID:***	ALA
Facility SIC Code:	1743	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2010 Toxic Data

Facility ID:	15741	***COID:***	ALA
Facility SIC Code:	1743	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2011 Criteria Data

Facility ID:	15741	***CERR Code:***	

Facility SIC Code:	1743	**TOGT:**	5.76
CO:	1	**ROGT:**	5.759424
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2011 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2012 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	1743	**TOGT:**	5.76
CO:	1	**ROGT:**	5.759424
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2012 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2013 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	1743	**TOGT:**	5.76
CO:	1	**ROGT:**	5.759424
Air Basin:	SF	**COT:**	.001
District:	BA	**NOXT:**	.004
COID:	ALA	**SOXT:**	0
DISN:	BAY AREA AQMD	**PMT:**	0
CHAPIS:		**PM10T:**	0

2013 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			

Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	15741	***CERR Code:***	
Facility SIC Code:	1743	***TOGT:***	5.759275592
CO:	1	***ROGT:***	
Air Basin:	SF	***COT:***	.001000001
District:	BA	***NOXT:***	.004006603
COID:	ALA	***SOXT:***	.000016236
DISN:	BAY AREA AQMD	***PMT:***	.000085714
CHAPIS:		***PM10T:***	.000085714

2014 Toxic Data

Facility ID:	15741	***COID:***	ALA
Facility SIC Code:	1743	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2015 Criteria Data

Facility ID:	15741	***CERR Code:***	
Facility SIC Code:	1743	***TOGT:***	5.759275637
CO:	1	***ROGT:***	5.75918507584
Air Basin:	SF	***COT:***	.001000001
District:	BA	***NOXT:***	.004006603
COID:	ALA	***SOXT:***	.000016236
DISN:	BAY AREA AQMD	***PMT:***	.000085714
CHAPIS:		***PM10T:***	.000085714

2015 Toxic Data

Facility ID:	15741	***COID:***	ALA
Facility SIC Code:	1743	***DISN:***	BAY AREA AQMD
CO:	1	***CHAPIS:***	
Air Basin:	SF	***CERR Code:***	
District:	BA		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	*8 of14*	*NW*	*0.23 / 1,188.03*	*22.90 / 4*	***BAY MARBLE*** ***37444 SYCAMORE ST, STE 11*** ***NEWARK CA 94560***	***EMISSIONS***

2016 Criteria Data

Facility ID:	15741	***CERR CODE:***	
Facility SIC Code:	1743	***TOGT:***	1.876335349
CO:	1	***ROGT:***	1.8761105343258
Air Basin:	SF	***COT:***	.001000001
District:	BA	***NOXT:***	.004006603
COID:	ALA	***SOXT:***	.000016236

DISN:	BAY AREA AQMD	**PMT:**	.000085714
CHAPIS:		**PM10T:**	.000085714

2016 Toxic Data

Facility ID:	15741	**TS:**	
Facility SIC Code:	1743	**HRA:**	
CERR CODE:		**CH Index:**	
COID:	ALA	**AH Index:**	
CO:	1	**Air Basin:**	SF
DISN:	BAY AREA AQMD	**District:**	BA
CHAPIS:			

2017 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	1743	**TOGT:**	1.876335349
CO:	1	**ROGT:**	1.8761105343258
Air Basin:	SF	**COT:**	.001000001
District:	BA	**NOXT:**	.004006603
COID:	ALA	**SOXT:**	.000016236
DISN:	BAY AREA AQMD	**PMT:**	.000085714
CHAPIS:		**PM10T:**	.000085714

2017 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	15741	**CERR Code:**	
Facility SIC Code:	1743	**TOGT:**	7.52006305
CO:	1	**ROGT:**	7.5191888229258
Air Basin:	SF	**COT:**	.00328718
District:	BA	**NOXT:**	.013170414
COID:	ALA	**SOXT:**	.000053369
DISN:	BAY AREA AQMD	**PMT:**	.000281758
CHAPIS:		**PM10T:**	.000281758

2018 Toxic Data

Facility ID:	15741	**COID:**	ALA
Facility SIC Code:	1743	**DISN:**	BAY AREA AQMD
CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
District:	BA		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	1	**CHAPIS:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Air Basin:	SF	**CERR Code:**	
Facility ID:	15741	**ROGT:**	7.5191888229258
District:	BA	**COT:**	.00328718
Facility SIC Code:	1743	**NOXT:**	.013170414
CO ID:	ALA	**SOXT:**	.000053369
DISN:	BAY AREA AQMD		
PM10T:	.000281758		
TOGT:	7.52006305		
PMT:	.000281758		

2019 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Faccility ID:	15741	**CERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	1743	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2020 Criteria Data

CO:	1	**CHAPIS:**	
Air Basin:	SF	**CERR Code:**	
Facility ID:	15741	**ROGT:**	7.5191888229258
District:	BA	**COT:**	.00328718
Facility SIC Code:	1743	**NOXT:**	.013170414
CO ID:	ALA	**SOXT:**	.000053369
DISN:	BAY AREA AQMD		
TOGT:	7.52006305		
PMT:	.000281758		
PM10T:	.000281758		

2020 Toxic Data

CO:	1	**DISN:**	BAY AREA AQMD
Air Basin:	SF	**CHAPIS:**	
Facility ID:	15741	**CHERR Code:**	
District:	BA	**TS:**	
Facility SIC Code:	1743	**Health Risk Asmt:**	
COID:	ALA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	9 of14	NW	0.23 / 1,188.03	22.90 / 4	DELUXE MARBLE 37444 SYCAMORE ST STE 11A NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAL000409911
Gen Status Universe:	No Report
Contact Name:	NORA VALADEZ
Contact Address:	33662 5TH ST , , UNION CITY , CA, 94587 ,
Contact Phone No and Ext:	510-794-3605
Contact Email:	GRANITE_MARBLE510@HOTMAIL.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20150904
Location Latitude:	37.527642
Location Longitude:	-122.031567

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20150904
Handler Name:	DELUXE MARBLE
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	33662 5TH ST
Name:	NORA VALADEZ	***Street 2:***	
Date Became Current:		***City:***	UNION CITY
Date Ended Current:		***State:***	CA
Phone:	510-794-3605	***Country:***	
Source Type:	Implementer	***Zip Code:***	94587
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	2594 PARKSIDE DR
Name:	SALVADOR PEREZ	***Street 2:***	
Date Became Current:		***City:***	UNION CITY
Date Ended Current:		***State:***	CA
Phone:	510-292-5660	***Country:***	
Source Type:	Implementer	***Zip Code:***	94537

49	*10 of14*	*NW*	*0.23 / 1,188.03*	*22.90 / 4*	***P&R AUTO REPAIR 3/26/13 37444 SYCAMORE ST STE 7 NEWARK CA 94560***	***RCRA NON GEN***

EPA Handler ID:	CAL000447173
Gen Status Universe:	No Report
Contact Name:	HOMERO PRADO
Contact Address:	37444 SYCAMORE ST STE 7 , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	650-520-7029
Contact Email:	PRADOHOMERO@YAHOO.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	

Receive Date:	20190628
Location Latitude:	37.527642
Location Longitude:	-122.031567

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190628
Handler Name:	P&R AUTO REPAIR 3/26/13
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	37444 SYCAMORE ST STE 7
Name:	HOMERO PRADO ANDRADE	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	650-520-7029	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37444 SYCAMORE ST STE 7
Name:	HOMERO PRADO	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	650-520-7029	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	11 of14	NW	0.23 / 1,188.03	22.90 / 4	SAMUEL MACIAS 37444 SYCAMORE ST #2 NEWARK CA 94560	RCRA NON GEN

EPA Handler ID:	CAC003022349
Gen Status Universe:	No Report
Contact Name:	SAMUEL MACIAS
Contact Address:	37444 SYCAMORE ST , #2 , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-494-9545

Contact Email:	REPAIR.KSAUTOMOTIVE@GMAIL.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20190702
Location Latitude:	37.527642
Location Longitude:	-122.031567

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190702
Handler Name:	SAMUEL MACIAS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	37444 SYCAMORE ST
Name:	SAMUEL MACIAS	**Street 2:**	#2
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-494-9545	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	37444 SYCAMORE ST
Name:	SAMUEL MACIAS	**Street 2:**	#2
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-494-9545	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	12 of14	NW	0.23 / 1,188.03	22.90 / 4	G M DEVELOPMENT NV LP CO 37444 SYCAMORE ST UNIT 7 NEWARK CA 94560	RCRA SQG

EPA Handler ID:	CAP000092791
Gen Status Universe:	Small Quantity Generator
Contact Name:	JOE RUTSCHOW
Contact Address:	37444 SYCAMORE ST , BLDG A UNIT 11 , NEWARK , CA, 94560 , US
Contact Phone No and Ext:	510-791-5188
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20010306
Location Latitude:	37.527642
Location Longitude:	-122.031567

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20010306
Handler Name:	G M DEVELOPMENT NV LP CO
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Notification

Waste Code Details

Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	37444 SYCAMORE ST BLDG A UNIT
Name:	G M DEVELOPMENT NV LP CO	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-791-5188	***Country:***	
Source Type:	Notification	***Zip Code:***	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
49	13 of14	NW	0.23 / 1,188.03	22.90 / 4	BRANDON AUTOMOTIVE 37444 SYCAMORE ST UNIT 15 NEWARK CA 94560	RCRA NON GEN

EPA Handler ID: CAL000423791
Gen Status Universe: No Report
Contact Name: JUAN O NOLAZCO PARRA
Contact Address: 37082 , SPRUCE ST APT B , , NEWARK , CA, 94560 , US
Contact Phone No and Ext: 510-579-7055
Contact Email: ARSHOP.BN@GMAIL.COM
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Other
Receive Date: 20210820
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20210820
Handler Name: BRANDON AUTOMOTIVE
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: JUAN O NOLAZCO PARRA
Date Became Current:
Date Ended Current:
Phone:
Source Type: Implementer
Street No: 37082
Street 1: SPRUCE ST APT B
Street 2:
City: NEWARK
State: CA
Country: US
Zip Code: 94560

49	14 of14	NW	0.23 /	22.90 /	K&S AUTOMOTIVE REPAIR	RCRA NON GEN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
			1,188.03	4	37444 SYCAMORE STREET STE 2 NEWARK CA 94560	

EPA Handler ID: CAC003219629
Gen Status Universe: No Report
Contact Name: SAMUEL MACIAS
Contact Address: 37444 SYCAMORE STREET , STE 2 , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 510-494-9545
Contact Email: REPAIR.KSAUTOMOTIVE@GMAIL.COM
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20230224
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20230224
Handler Name: K&S AUTOMOTIVE REPAIR
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: SAMUEL MACIAS
Date Became Current:
Date Ended Current:
Phone: 510-494-9545
Source Type: Implementer
Street No:
Street 1: 37444 SYCAMORE STREET
Street 2: STE 2
City: NEWARK
State: CA
Country:
Zip Code: 94560

Owner/Operator Ind: Current Owner
Type: Other
Name: SAMUEL MACIAS
Date Became Current:
Date Ended Current:
Street No:
Street 1: 37444 SYCAMORE STREET
Street 2: STE 2
City: NEWARK
State: CA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone: 510-494-9545 **Country:**
Source Type: Implementer **Zip Code:** 94560

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50 | **1 of1** | **ENE** | **0.23 / 1,210.36** | **21.71 / 3** | **JOHN DSOUZA**
38007 MANZANITA STREET
NEWARK CA 94560 | **RCRA NON GEN**

EPA Handler ID: CAC003221738
Gen Status Universe: No Report
Contact Name: JOHN DSOUZA
Contact Address: 38007 MANZANITA STREET , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 612-423-4571
Contact Email: GISELLE.ESPIRITU@SYNERGYCOMPANIES.ORG
Contact Country:
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 20230309
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20230309
Handler Name: JOHN DSOUZA
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: JOHN DSOUZA
Date Became Current:
Date Ended Current:
Phone: 612-423-4571
Source Type: Implementer

Street No:
Street 1: 38007 MANZANITA STREET
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	38007 MANZANITA STREET
Name:	JOHN DSOUZA	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	612-423-4571	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
51	1 of1	N	0.23 / 1,238.68	23.35 / 4	CHERRY PROPERTIES 37409 CHERRY ST NEWARK CA 94560	LOP ALAMEDA

Record ID:	RO0002640
Alt Record ID:	SD0002632
Program:	SLIC
Release Type:	OTH
Site Contact:	CHU, EVA
RP Identification Date:	6/27/1995 12:00:00 AM
GIS Latitude:	37.5299190232
GIS Longitude:	-122.0282745451
Data Source:	Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--

Program Element:	5502
Status:	9
Status Desc:	Case closed
Substance:	0
Org Name:	ALAMEDA COUNTY LOP
Description 1:	Case Closed
Description 2:	Not Applicable
Description 3:	Not reported / unknown
Description 4:	RP Identified & Solvent
Description 5:	Undetermined affected
Description 6:	Other type of release

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
52	1 of2	N	0.24 / 1,272.18	23.30 / 4	CHERRY PROPERTIES 37409 CHERRY NEWARK CA 94560	CLEANUP SITES

Global ID:	T06019735911	**Case Type (DL):**	
Site Facility Type:		**Census Tract:**	6001444500
Cleanup Status:		**RWQCB Region (DL):**	
Status (SRCH):	COMPLETED - CASE CLOSED	**Longitude:**	
Status (DL):		**Latitude:**	
Status Date (DL):			

Address:	37409 CHERRY
City:	NEWARK
County:	ALAMEDA
Zip:	94560
State:	CA
Report Source:	Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No:	NA
Local Case No:	RO0002640
Begin Date:	6/27/1995
Lead Agency:	ALAMEDA COUNTY LOP
Local Agency:	
CUF Case:	NO
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	

How Discovered:	Other Means
Stop Method:	Other Means
Stop Description:	
Case Worker:	
Military DoD Site:	No
Leak Reported Dt:	1965-01-01 00:00:00
No Further Action Dt:	2000-03-06 00:00:00
Potential Media of Concern:	Under Investigation
How Discovered Description:	
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name:	Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:	
Coordinate Source:	Google Geocode
Discharge Cause:	
Discharge Source:	
Facility Project Sub Type:	
Calenviroscreen 3 Score:	46-50%
Calenviroscreen 4 Score:	60-65%
File Location:	All Files are on GeoTracker or in the Local Agency Database
Site History:	

GeoTracker Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	2000-03-06 00:00:00
Status:	Open - Case Begin Date
Status Date:	1995-06-27 00:00:00

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
Designated Beneficl Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:	
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T06019735911
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 3/6/2000
Potential COC:	,
Potential Media of Concern:	UNDER INVESTIGATION
Groundwater Monitoring Freq:	
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	ALAMEDA COUNTY LOP (LEAD) - CASE #: RO0002640 SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: NA
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T06019735911&tabname=regulatoryhistory
Site History:	

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Completed - Case Closed
Date: 3/6/2000

Status: Open - Case Begin Date
Date: 6/27/1995

---

52 | **2 of2** | **N** | **0.24 / 1,272.18** | **23.30 / 4** | **CHERRY PROPERTIES**
37409 CHERRY
NEWARK CA 94560

CONT
ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID: SD0002632
Record ID: RO0002640
ID Type: RP Identified & Solvent
Substance: 0
County: ALAMEDA
Longitude:
Latitude:

Rel Desc: Not reported / unknown
Rel Type: OTH
Rel T Desc: Other type of release
Program: SLIC
Case Desc: Undetermined affected
ID Date: 6/27/1995 12:00:00 AM

Site Details

Global ID: T06019735911
Fac ID:
Desc: CASE CLOSED

Inv Party: ALAMEDA COUNTY LOP
Inv P Type: NOT APPLICABLE

---

53 | **1 of1** | **WNW** | **0.25 / 1,314.89** | **22.20 / 3** | **J CAM FIBERGLASS**
NEWARK CA

PFAS IND

Status: Active
Fac Indian Cntry Flg: N
Fac Derived Huc: 18050003
Fac Derived Wbd: 180500040702
Fac Derived Cd113: 17
Fac Derived Cb2010: 060014445004022
Fac Informal Count: 3
Last Informal Action: 1/3/2022
Formal Action Count: 0
Last Formal Action: -
Fac Total Penalties: 0
Fac Penalty Count: -
Date Last Penalty: -
Last Penalty Amt: -
Fac Qtrs With Nc: 1
Programs With Snc: 0
Fac Percent Minority: 72.34
Fac Pop Den: 3961.48
Count: 1
Fac County: ALAMEDA
State Other :
Region: 09
Latitude: 37.52698
Longitude: -122.03245
Fac Derived Tribes: -
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: CAZ448452 CAZ461105
CWA Permit Types: Non-M
CWA NAICS: -
CWA SICS: 2295
RCRA IDs: -
RCRA Permit Types: -

Fac Fips Code: 06001
Compliance Status: No Violation Identified
EPA Programs: CWA
Federal Facility: No
Federal Agency: -
Fac Snc Flg: N
AIR Flag: N
NPDES Flag: Y
SDWIS Flag: N
RCRAFlag: N
TRI Flag: N
GHG Flag: N
TRI IDs: -
TRI Releases Trnsfrs: -
TRI on Site Releases: -
TRI off Site Trnsfrs: -
TRI Reporter: -
Fac Imp Water Flg: -
Fac Major Flag: -
Fac Active Flag: Yes
Fac Inspection Count: 0
Date Last Inspection: 12/15/2017
Days Last Inspection: 2178

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RCRA NAICS:	-
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.03245,%22y%22:37.52698,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110002430156
Industry:	Textiles and Leather
Industry:	Electronics Industry
Industry:	Paper Mills and Products

54	1 of1	ENE	0.25 / 1,335.31	22.05 / 3	B E P NEWARK L P NEWARK CA	PFAS IND

Status:	Inactive	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011015	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	70.998	**TRI Reporter:**	-
Fac Pop Den:	4467.67	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	-
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.52625	**Days Last Inspection:**	-
Longitude:	-122.02086		

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	CAD045291192
RCRA Permit Types:	Other
RCRA NAICS:	325211
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02086,%22y%22:37.52625,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110009530187

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Industry:		Plastics and Resins				
55	1 of6	ESE	0.28 / 1,478.89	19.49 / 0	STEELER, INC. DRYWALL CONSTRUCTION SUPPLY 6851 SMITH AVE NEWARK CA 94560	CERCLIS

Site ID: 0905633
Site EPA ID: CAD981389653
Site Street Address 2:
Site County Name: ALAMEDA
Site FIPS Code: 06001
Region Code: 09
Site SMSA No.:
Site Prim. Latitude: 37D31M31S
Site Prim. Longitude: 122D01M17S
Lat Long Source:
RNON NPL Status Desc: Removal Only Site (No Site Assessment Work Needed)

RNPL Status Code: N
NPL Status: Not on the NPL
RFED Facility Code: N
RFED Facility Desc: Not a Federal Facility
USGS Hydro Unit No.:
Site Cong. Dist. Code:
ROT Desc:
FR NPL Update No.:
RFRA Code:

CERCLIS Site Contact Name(s)

Person ID: 13003854.00
First Name: Leslie
Last Name: Ramirez
Phone No.: 4159723978
Email:

CERCLIS Site Contact Name(s)

Person ID: 13003858.00
First Name: Sharon
Last Name: Murray
Phone No.: 4159724250
Email:

CERCLIS Site Contact Name(s)

Person ID: 13004003.00
First Name: Carl
Last Name: Brickner
Phone No.:
Email:

CERCLIS Site Contact Name(s)

Person ID: 9270496.00
First Name: Bret
Last Name: Moxley
Phone No.: 4159723114
Email:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: BB
RAT Short Name: PRP RV
RAT Name: POTENTIALLY RESPONSIBLE PARTY REMOVAL
RAT Hist. Only Flag:
RAT NSI Indicator: B

RALT Short Name: PRP Rsp Fed
Act Start Date: 3/18/2002 00:00:00
Act Complete Date: 11/8/2002 00:00:00
AGT Order No.: 90
SH OU:
SH Code:
SH Seq:

RAT Level: 1
RAT DEF OU: 00
RFBS Code: V
SPA Code: 08
RAT Def: Provides for oversight of Potentially Responsible Party (PRP) response action for removals, including all activities for monitoring and supervising the performance of PRPs to determine whether such performance is consistent with the requirements of the administrative orders on consent, unilateral administrative orders, consent decrees, judicial decrees, information agreements, and compliance schedules.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID: 00
Act Code ID:
RAT Code:
RAT Short Name:
RAT Name:
RAT Hist. Only Flag:
RAT NSI Indicator:
RAT Level:
RAT DEF OU:
RFBS Code:
SPA Code:
RAT Def:
Site Desc: The Steeler Inc. facility is a former W.R. Grace vermiculite processing facility that received ore from Libby, Montana. The vermiculite ore contained tremolite/actinolite (T/A) asbestos. The site is a 3 acre rectangular lot at 6851 Smith Avenue, and is
Site Alias: CALIFORNIA ZONOLITE CO,6851 SMITH AVE,NEWARK,CA,;W R GRACE & CO CONST PROD DIV,6851 SMITH AVE,NEWARK,CA,;

RALT Short Name:
Act Start Date:
Act Complete Date:
AGT Order No.: 0
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: AR
RAT Short Name: ADMM REC
RAT Name: ADMINISTRATIVE RECORDS
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code: P
SPA Code: 13
RAT Def: SARA specifies that administrative records be compiled at Superfund sites where remedial or removal responses are planned, or are occurring, or where EPA is issuing a unilateral order or initiating litigation to track enforcement case budget funds used for any RP lead activity.
Site Desc:
Site Alias:

RALT Short Name: EPA Fund
Act Start Date: 2/26/2002 00:00:00
Act Complete Date:
AGT Order No.: 580
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: DS
RAT Short Name: DISCVRY
RAT Name: DISCOVERY
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU: 00
RFBS Code:
SPA Code: 13
RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.
Site Desc:

RALT Short Name: EPA Fund
Act Start Date:
Act Complete Date: 8/7/2000 00:00:00
AGT Order No.: 10
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site Alias:						
55	2 of6	ESE	0.28 / 1,478.89	19.49 / 0	UNION PACIFIC VERMICULITE RAIL SPUR 6851 SMITH AVE NEWARK CA 94560	CERCLIS

Site ID: 0905932
Site EPA ID: CAN000905932
Site Street Address 2:
Site County Name: ALAMEDA
Site FIPS Code: 06001
Region Code: 09
Site SMSA No.:
Site Prim. Latitude:
Site Prim. Longitude:
Lat Long Source:
RNON NPL Status Desc: Removal Only Site (No Site Assessment Work Needed)

RNPL Status Code: N
NPL Status: Not on the NPL
RFED Facility Code: N
RFED Facility Desc: Not a Federal Facility
USGS Hydro Unit No.:
Site Cong. Dist. Code:
ROT Desc:
FR NPL Update No.:
RFRA Code:

CERCLIS Site Contact Name(s)

Person ID: 9270496.00
First Name: Bret
Last Name: Moxley
Phone No.: 4159723114
Email:

CERCLIS Site Contact Name(s)

Person ID: 13003858.00
First Name: Sharon
Last Name: Murray
Phone No.: 4159724250
Email:

CERCLIS Site Contact Name(s)

Person ID: 13003854.00
First Name: Leslie
Last Name: Ramirez
Phone No.: 4159723978
Email:

CERCLIS Site Contact Name(s)

Person ID: 13004003.00
First Name: Carl
Last Name: Brickner
Phone No.:
Email:

CERCLIS Assess History

OU ID: 00
Act Code ID: 001
RAT Code: BB
RAT Short Name: PRP RV
RAT Name: POTENTIALLY RESPONSIBLE PARTY REMOVAL
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1

RALT Short Name: PRP Rsp Fed
Act Start Date: 10/21/2002 00:00:00
Act Complete Date: 11/8/2002 00:00:00
AGT Order No.: 90
SH OU:
SH Code:
SH Seq:
SH Start Date:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT DEF OU: 00
RFBS Code: V
SPA Code: 08
RAT Def: Provides for oversight of Potentially Responsible Party (PRP) response action for removals, including all activities for monitoring and supervising the performance of PRPs to determine whether such performance is consistent with the requirements of the administrative orders on consent, unilateral administrative orders, consent decrees, judicial decrees, information agreements, and compliance schedules.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID: 00
Act Code ID:
RAT Code:
RAT Short Name:
RAT Name:
RAT Hist. Only Flag:
RAT NSI Indicator:
RAT Level:
RAT DEF OU:
RFBS Code:
SPA Code:
RAT Def:
Site Desc:
Site Alias:

RALT Short Name:
Act Start Date:
Act Complete Date:
AGT Order No.: 0
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:

Formerly the rail spur for loading and unloading vermiculite at a W.R. Grace vermiculite expansion facility.

.
No alias data available

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55 | **3 of6** | **ESE** | **0.28 / 1,478.89** | **19.49 / 0** | **GRACE CONSTRUCTION PRODUCTS**
6851 SMITH AVE
NEWARK CA 94560 | **LUST**

Global ID: T0600101890
Site Facility Type:
Status: Open - Verification Monitoring
Status Date (DL): 10/22/2020
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): GRACE CONSTRUCTION PRODUCTS
Address: 6851 SMITH AVE
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444601
Census Tract (SRCH): 6001444601
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: NO
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: LK
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-2045
Local Case No: TT0425
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential COC: Gasoline
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 4/12/1995
How Discovered: Tank Closure
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)

DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Unknown
Discharge Source: Other
EPA Region: 9
Leak Reported Dt: 1995-04-13 00:00:00
Military DoD Site: No
No Further Action Dt:
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
Site History:

The subject property (Site) is located at 6851 Smith Avenue, Newark, California (Figure 1). One 300-gallon gasoline UST was reportedly removed in the late 1970's or early 1980's. No records or permits for the removal of the former UST were located during a Phase I search performed by ENSR International (ENSR), and soil and groundwater testing was not required when the UST was removed. The Site is a commercial manufacturing facility located in a commercial district. Prior to remedial soil excavation, Total petroleum hydrocarbons as gasoline (TPHg) concentrations in well EMW-3 ranged from 1,000 to 5,000 micrograms per liter (ìg/L) and benzene concentrations ranged from 140 to 950 ìg/L. Following remedial soil excavation, well EMW-3 reported significantly lower concentrations of TPHg and benzene. TPHg was not detected above 50 ìg/L during the entire year of 2006 and was reported at 250 ìg/L in June 2007. Benzene was reported at concentrations of 1.0 to 3.0 ìg/L in 2006 and 2007.

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: LAUREN KAHAPEA
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 Clay Street
City: OAKLAND
Email: lauren.kahapea@waterboards.ca.gov
Phone No: 5106222343

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: DOUG YOUNG
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: douglas.young@acwd.com
Phone No:

GeoTracker Sites Data Download - Status History

Status: Open - Verification Monitoring
Status Date: 10/22/2020

Status: Open - Remediation
Status Date: 8/6/2009

Status: Open - Remediation
Status Date: 11/7/1996

Status: Open - Site Assessment
Status Date: 6/13/1995

Status: Open - Case Begin Date
Status Date: 4/12/1995

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: GRACE CONSTRUCTION PRODUCTS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - VERIFICATION MONITORING
Address: 6851 SMITH AVE

City:	NEWARK
Zip:	94560
County:	ALAMEDA
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101890
Cleanup Status Detail:	OPEN - VERIFICATION MONITORING AS OF 10/22/2020
Project Status:	
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101890&tabname=regulatoryhistory
Potential COC:	GASOLINE
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location:	ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: TT0425 CASE MANAGER: DOUG YOUNG SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-2045 CASE MANAGER: LAUREN KAHAPEA San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
CUF Claim No:	
CUF Priority Assig:	
CUF Amount Paid:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
Project Oversight Agencies:	
Facility Type:	
Composting Method:	
Grndwtr Monitoring Frequency:	# OF WELLS MONITORED - SEMI-ANNUALLY : 4
Designated Beneficial Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:	

The subject property (Site) is located at 6851 Smith Avenue, Newark, California (Figure 1). One 300-gallon gasoline UST was reportedly removed in the late 1970□s or early 1980□s. No records or permits for the removal of the former UST were located during a Phase I search performed by ENSR International (ENSR), and soil and groundwater testing was not required when the UST was removed. The Site is a commercial manufacturing facility located in a commercial district.
Prior to remedial soil excavation, Total petroleum hydrocarbons as gasoline (TPHg) concentrations in well EMW-3 ranged from 1,000 to 5,000 micrograms per liter (□g/L) and benzene concentrations ranged from 140 to 950 □g/L. Following remedial soil excavation, well EMW-3 reported significantly lower concentrations of TPHg and benzene. TPHg was not detected above 50 □g/L during the entire year of 2006 and was reported at 250 □g/L in June 2007. Benzene was reported at concentrations of 1.0 to 3.0 □g/L in 2006 and 2007.

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status:	Open - Verification Monitoring
Date :	10/22/2020
Status:	Open - Remediation
Date :	8/6/2009
Status:	Open - Remediation
Date :	11/7/1996
Status:	Open - Site Assessment
Date :	6/13/1995
Status:	Open - Case Begin Date
Date :	4/12/1995

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type:	EXCAVATION
Begin Date:	1/11/1996

End Date: 1/12/1996
Phase: Soil
Contaminant Mass Removed: 210 Tons
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/5/2022
Received Issue Date: 7/5/2022
Doc Link:
Title Description Comments:

Review of LTCP Checklist and Pathway to Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 3/2/2022
Received Issue Date: 3/2/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6488682&temptable=ENFORCEMENT
Title Description Comments:

Request for Case Update and Schedule

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 6/28/2021
Received Issue Date: 6/28/2021
Doc Link:
Title Description Comments:

Completed LTCP Checklist and Pathway to Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/27/2020
Received Issue Date: 5/27/2020
Doc Link:
Title Description Comments:

completed LTCP Checklist and Pathway to Closure.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/3/2019
Received Issue Date: 12/3/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421868&temptable=ENFORCEMENT
Title Description Comments:

electronic mail follow-up.

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 11/19/2019
Received Issue Date: 11/19/2019
Doc Link:
Title Description Comments:

Phone call to Steven Parkinson following up on ACWD response to his letter and asking if he and Grace would still like to meet.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/12/2019
Received Issue Date: 6/12/2019
Doc Link:
Title Description Comments:

file review

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/4/2018
Received Issue Date: 12/4/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6378059&temptable=ENFORCEMENT
Title Description Comments:

Acceptance of request for extension

Action Type: Enforcement/Orders
Action: Notice to Comply
Action Date: 9/19/2018
Received Issue Date: 9/19/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6381552&temptable=ENFORCEMENT
Title Description Comments:

Request for Resumption of Groundwater Monitoring

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Doc Link:
Title Description Comments:

File Review and LTCP Checklist Update

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/9/2014
Received Issue Date: 12/9/2014
Doc Link:
Title Description Comments:

Completed Path to Closure Plan Evaluation

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/13/2013
Received Issue Date: 8/13/2013
Doc Link:
Title Description Comments:

LTCP Review & Checklist - Not eligible for closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/16/2013
Received Issue Date: 5/16/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6386662&temptable=ENFORCEMENT
Title Description Comments:

Request for Groundwater Monitoring

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/16/2013
Received Issue Date: 5/16/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6182766&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File review
Action Date: 3/8/2010
Received Issue Date: 3/8/2010
Doc Link:
Title Description Comments:

Case Closure Review per Resolution No 2009-0042

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/28/2009
Received Issue Date: 7/28/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6026592&temptable=ENFORCEMENT
Title Description Comments:

Groundwater Monitoring Frequency

Action Type: Other Regulatory Actions
Action: Email Correspondence
Action Date: 5/1/2008
Received Issue Date: 5/1/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421450&temptable=ENFORCEMENT
Title Description Comments:

Comments to Addendum to Work Plan

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 4/9/2008
Received Issue Date: 4/9/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6005460&temptable=ENFORCEMENT
Title Description Comments:

Workplan Approval

Action Type: Other Regulatory Actions
Action: Closure Denial Letter
Action Date: 2/25/2008
Received Issue Date: 2/25/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421449&temptable=ENFORCEMENT
Title Description Comments:

Response to Site Closure Request

Action Type: Enforcement/Orders
Action: Notice to Comply
Action Date: 12/13/2004
Received Issue Date: 12/13/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421448&temptable=ENFORCEMENT

Title Description Comments:

Request for Additional Monitoring Well

Action Type: Enforcement/Orders
Action: Notice to Comply
Action Date: 10/28/2004
Received Issue Date: 10/28/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421817&temptable=ENFORCEMENT
Title Description Comments:

Requirement of Electronic Submittal

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/16/2003
Received Issue Date: 12/16/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421816&temptable=ENFORCEMENT
Title Description Comments:

Request for Continued Monitoring

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 10/6/2003
Received Issue Date: 10/6/2003
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421815&temptable=ENFORCEMENT
Title Description Comments:

Request for Coordinated Groundwater Monitoring

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 3/14/2001
Received Issue Date: 3/14/2001
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056700
Title Description Comments:

Semi-Annual Sampling Report

Action Type: Other Regulatory Actions
Action: Closure Denial Letter
Action Date: 6/7/1999
Received Issue Date: 6/7/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421814&temptable=ENFORCEMENT
Title Description Comments:

Denial of Case Closure

Action Type: Agreements
Action: InterAgency Agreement
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421813&temptable=ENFORCEMENT
Title Description Comments:

Cooperative Agreement

Action Type: Notices

Action: Letter - Notice
Action Date: 6/27/1996
Received Issue Date: 6/27/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6475334&temptable=ENFORCEMENT
Title Description Comments:

Cooperative Agreement Notice

Action Type: Cleanup Action
Action: Excavation
Action Date: 1/11/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 1/10/1996
Received Issue Date: 1/10/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056699
Title Description Comments:

Correspondence

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 1/8/1996
Received Issue Date: 1/8/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056701
Title Description Comments:

Correspondence

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 1/5/1996
Received Issue Date: 1/5/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6475333&temptable=ENFORCEMENT
Title Description Comments:

Addendum to Workplan Letter

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan
Action Date: 12/18/1995
Received Issue Date: 12/18/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056702
Title Description Comments:

Workplan to Remove Impacted Soils

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 8/18/1995
Received Issue Date: 8/18/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056698
Title Description Comments:

Groundwater Monitoring Well Installation and Groundwater Sampling Report

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other

Action Date: 7/7/1995
Received Issue Date: 7/7/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6475329&temptable=ENFORCEMENT
Title Description Comments:

Addendum to Work Plan

Action Type: Response Requested - Workplans
Action: Well Installation Workplan
Action Date: 6/1/1995
Received Issue Date: 6/1/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056697
Title Description Comments:

Work Plan for Installation of Groundwater Monitor Wells

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 4/28/1995
Received Issue Date: 4/28/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101890&doc_id=6056696
Title Description Comments:

Correspondence

Action Type: Leak Action
Action: Leak Reported
Action Date: 4/13/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 4/13/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 4/12/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Notices
Action: Letter - Notice
Action Date: 3/21/1995
Received Issue Date: 3/21/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421447&temptable=ENFORCEMENT
Title Description Comments:

Five Point Kickoff Letter

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 9/9/2009
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SOIL BORING LOG (ACC-B3)

Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5415337681/T0600101890.PDF

Submitted: 9/9/2009
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SOIL BORING LOG (ACC-B4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9402239143/T0600101890.PDF

Submitted: 9/9/2009
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SOIL BORING LOG (ACC-B1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8875481724/T0600101890.PDF

Submitted: 9/9/2009
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SOIL BORING LOG (ACC-B2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2050299406/T0600101890.PDF

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 3/2/2022
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: REQUEST FOR CASE UPDATE AND SCHEDULE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6488682

Document Type: Monitoring Reports ***Document Date:*** 6/8/2020
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT (1Q20)
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1749301373/T0600101890.PDF

Document Type: Site Documents ***Document Date:*** 12/3/2019
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: ELECTRONIC MAIL FOLLOW-UP.
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421868

Document Type: Site Documents ***Document Date:*** 12/4/2018
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: KAYLEE GLENNEY (REGULATOR)
Title: ACCEPTANCE OF REQUEST FOR EXTENSION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6378059

Document Type: Site Documents ***Document Date:*** 12/4/2018*
Type: EMAIL CORRESPONDENCE ***Submitted:***
Submitted By: ACC OAKLAND (AUTH_RP)
Title: REQUEST FOR EXTENSION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3427963495/T0600101890.PDF

Document Type: Site Documents ***Document Date:*** 9/19/2018
Type: NOTICE TO COMPLY ***Submitted:***
Submitted By: KAYLEE GLENNEY (REGULATOR)
Title: REQUEST FOR RESUMPTION OF GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6381552

Document Type: Site Documents ***Document Date:*** 5/16/2013
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6182766

Document Type: Site Documents ***Document Date:*** 5/16/2013
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***

Submitted By: DOUG YOUNG (REGULATOR)
Title: REQUEST FOR GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6386662

Document Type: Site Documents **Document Date:** 7/28/2009
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: GROUNDWATER MONITORING FREQUENCY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6026592

Document Type: Site Documents **Document Date:** 2/11/2009
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: SUBSURFACE SOIL AND GROUNDWATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9960756599/T0600101890.PDF

Document Type: Site Documents **Document Date:** 5/1/2008
Type: EMAIL CORRESPONDENCE **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: COMMENTS TO ADDENDUM TO WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421450

Document Type: Site Documents **Document Date:** 4/9/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: WORKPLAN APPROVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6005460

Document Type: Site Documents **Document Date:** 2/25/2008
Type: CLOSURE DENIAL LETTER **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: RESPONSE TO SITE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421449

Document Type: Site Documents **Document Date:** 1/11/2008
Type: CORRESPONDENCE - CLOSURE RELATED **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: REQUEST FOR REGULATORY CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8705448985/T0600101890.PDF

Document Type: Monitoring Reports **Document Date:** 8/14/2007
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: JUNE 2007 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1073379337/T0600101890.PDF

Document Type: Monitoring Reports **Document Date:** 6/27/2007
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ACC OAKLAND (AUTH_RP)
Title: DECEMBER 2006 GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9493575870/T0600101890.PDF

Document Type: Site Documents **Document Date:** 12/13/2004
Type: NOTICE TO COMPLY **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: REQUEST FOR ADDITIONAL MONITORING WELL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421448

Document Type: Site Documents **Document Date:** 10/28/2004
Type: NOTICE TO COMPLY **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: REQUIREMENT OF ELECTRONIC SUBMITTAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421817

Document Type: Site Documents **Document Date:** 12/16/2003
Type: TECHNICAL CORRESPONDENCE / **Submitted:**

ASSISTANCE / OTHER
Submitted By: DESTINY KAPULE (REGULATOR)
Title: REQUEST FOR CONTINUED MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421816

Document Type: Site Documents ***Document Date:*** 10/6/2003
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DESTINY KAPULE (REGULATOR)
Title: REQUEST FOR COORDINATED GROUNDWATER MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421815

Document Type: Monitoring Reports ***Document Date:*** 3/14/2001
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: SEMI-ANNUAL SAMPLING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5935437858/01%2D2045%20Semi%2DAnnual%20Sampling%20Report%2003142001%2Epdf

Document Type: Site Documents ***Document Date:*** 6/7/1999
Type: CLOSURE DENIAL LETTER ***Submitted:***
Submitted By: DESTINY KAPULE (REGULATOR)
Title: DENIAL OF CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421814

Document Type: Site Documents ***Document Date:*** 6/27/1996
Type: INTERAGENCY AGREEMENT ***Submitted:***
Submitted By: DESTINY KAPULE (REGULATOR)
Title: COOPERATIVE AGREEMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421813

Document Type: Site Documents ***Document Date:*** 6/27/1996
Type: LETTER - NOTICE ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: COOPERATIVE AGREEMENT NOTICE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6475334

Document Type: Site Documents ***Document Date:*** 1/10/1996
Type: CORRESPONDENCE ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&document_id=6056699

Document Type: Site Documents ***Document Date:*** 1/8/1996
Type: CORRESPONDENCE ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&document_id=6056701

Document Type: Site Documents ***Document Date:*** 1/5/1996
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: ADDENDUM TO WORKPLAN LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6475333

Document Type: Site Documents ***Document Date:*** 12/18/1995
Type: SOIL AND WATER INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: WORKPLAN TO REMOVE IMPACTED SOILS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&document_id=6056702

Document Type: Monitoring Reports ***Document Date:*** 8/18/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: GROUNDWATER MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING REPORT -
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7824811637/01%2D2045%20Groundwater%20Monitoring%20Well%20Installation%20and%20Groundwater%20Sampling%20Report%

2008181995%2Epdf

Document Type: Site Documents **Document Date:** 7/7/1995
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: ADDENDUM TO WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6475329

Document Type: Site Documents **Document Date:** 6/1/1995
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: WORK PLAN FOR INSTALLATION OF GROUNDWATER MONITOR WELLS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&document_id=6056697

Document Type: Site Documents **Document Date:** 4/28/1995
Type: CORRESPONDENCE **Submitted:**
Submitted By: TORREN CAMPBELL (REGULATOR)
Title: CORRESPONDENCE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&document_id=6056696

Document Type: Site Documents **Document Date:** 3/21/1995
Type: LETTER - NOTICE **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: FIVE POINT KICKOFF LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101890&enforcement_id=6421447

55	4 of6	ESE	0.28 / 1,478.89	19.49 / 0	UNION PACIFIC VERMICULITE RAIL SPUR 6851 SMITH AVE NEWARK CA 94560	SEMS

EPA ID: CAN000905932
Primary Nm (MAP): UNION PACIFIC VERMICULITE RAIL SPUR
City Name: NEWARK
Site Name: UNION PACIFIC VERMICULITE RAIL SPUR
Street Address: 6851 SMITH AVE
Street Address 2:
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA
Latitude: 37.521946
Longitude: -122.021150
Latitude83(CalOES): 37.52159
Pgm Sys ID: CAN000905932
Loc Addr (MAP): 6851 SMITH AVE
Postal Code: 94560
County Name: ALAMEDA
Latitude83: 37.521589999999996
Longitude83: -122.02138
PGM SYS ID(CalOES): CAN000905932
Name(CalOES): UNION PACIFIC VERMICULITE RAIL SPUR
Loc Addr(CalOES): 6851 SMITH AVE
City(CalOES): NEWARK
Postal(CalOES): 94560
County(CalOES): ALAMEDA
Longitude83(CalOES): -122.02138
Data Source: EPA Superfund Data and Reports Active Site Inventory (List 8R Active);EPA FRS Interests Map - SEMS;CalOES EPA RCRA TSDF Map - SEMS

Site Level Information

Site ID: 0905932
NPL: Not on the NPL
Federal Facility: No
FF Docket: No
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)
Superfund Alt Agmt: No
FIPS Code: 06001
Cong District:
Region: 09

Action Information

Operable Units: 00
Action Code: BB
Action Name: PRP RV
SEQ: 1
Start Actual: 10/21/2002 4:00:00 AM
Finish Actual: 11/8/2002 5:00:00 AM
Qual: C
Curr Action Lead: EPA Ovrsght

GIS Information

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Registry ID:	110013805855	**Pgm Sys Acrnm:**	SEMS
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Key Field:	SEMSCAN000905932	**HUC8 Code:**	18050003
Interest Type:	SUPERFUND (NON-NPL)	**HUC 12:**	
Fed Agency Name:		**Public Ind:**	Y
Fed Facility Code:		**Pgm Report:**	no data yet
Federal Land Ind:		**X:**	-122.02137999999997
EPA Region Code:	09	**Y:**	37.52159000100005
Fips Code:	06001		
Collect Mth Desc:	ADDRESS MATCHING-HOUSE NUMBER		
Ref Point Desc:	CENTER OF A FACILITY OR STATION		
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110013805855		
Program Url:			
Pgm Report Url:	no data yet		

CalOES EPA RCRA TSDF - SEMS

Registry ID:	110013805855	**HUC 12:**	
Interest Type:	SUPERFUND (NON-NPL)	**Collect Mth Desc:**	ADDRESS MATCHING-HOUSE NUMBER
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Pgm Sys Acrnm:	SEMS	**Ref Point Desc:**	CENTER OF A FACILITY OR STATION
Federal Agency Nm:		**EPA Region Code:**	09
Federal Land Ind:		**Key Field:**	SEMSCAN000905932
Fed Facility Cd:		**Create Dt:**	10/26/2021
Public Ind:	Y	**Update Dt:**	11/24/2021
FIPS Code:	06001	**Last Reported Dt:**	
HUC8 Code:	18050003		
Pgm Report Url:	no data yet		
Program URL:			
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110013805855		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
55	5 of6	ESE	0.28 / 1,478.89	19.49 / 0	STEELER, INC. DRYWALL CONSTRUCTION SUPPLY 6851 SMITH AVE NEWARK CA 94560	SEMS

EPA ID:	CAD981389653	**Pgm Sys ID:**	CAD981389653
Primary Nm (MAP):	STEELER INC	**Loc Addr (MAP):**	6851 SMITH AVE.
City Name:	NEWARK	**Postal Code:**	94560
Site Name:	STEELER, INC. DRYWALL CONSTRUCTION SUPPLY	**County Name:**	ALAMEDA
Street Address:	6851 SMITH AVE	**Latitude83:**	37.52224
Street Address 2:		**Longitude83:**	-122.02205000000001
City:	NEWARK	**PGM SYS ID(CalOES):**	CAD981389653
State:	CA	**Name(CalOES):**	STEELER INC
Zip:	94560	**Loc Addr(CalOES):**	6851 SMITH AVE.
County:	ALAMEDA	**City(CalOES):**	NEWARK
Latitude:	37.525278	**Postal(CalOES):**	94560
Longitude:	-122.016714	**County(CalOES):**	ALAMEDA
Latitude83(CalOES):	37.52224	**Longitude83(CalOES):**	-122.02205
Data Source:	EPA Superfund Data and Reports Active Site Inventory (List 8R Active);EPA FRS Interests Map - SEMS;CalOES EPA RCRA TSDF Map - SEMS		

Site Level Information

Site ID:	0905633	**Superfund Alt Agmt:**	No
NPL:	Not on the NPL	**FIPS Code:**	06001
Federal Facility:	No	**Cong District:**	
FF Docket:	No	**Region:**	09
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)		

Action Information

Operable Units:	00	**Start Actual:**	2/26/2002 5:00:00 AM
Action Code:	AR	**Finish Actual:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Action Name:	ADMIN REC	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	8/7/2000 4:00:00 AM
Action Code:	DS	**Finish Actual:**	8/7/2000 4:00:00 AM
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	00	**Start Actual:**	3/18/2002 5:00:00 AM
Action Code:	BB	**Finish Actual:**	11/8/2002 5:00:00 AM
Action Name:	PRP RV	**Qual:**	C
SEQ:	1	**Curr Action Lead:**	EPA Ovrsght
Operable Units:	00	**Start Actual:**	
Action Code:	HX	**Finish Actual:**	8/2/2000 4:00:00 AM
Action Name:	PRE-CERC	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf

GIS Information

Registry ID:	110066163948	**Pgm Sys Acrnm:**	SEMS
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Key Field:	SEMSCAD981389653	**HUC8 Code:**	18050003
Interest Type:	SUPERFUND (NON-NPL)	**HUC 12:**	
Fed Agency Name:		**Public Ind:**	Y
Fed Facility Code:		**Pgm Report:**	no data yet
Federal Land Ind:		**X:**	-122.02204999999998
EPA Region Code:	09	**Y:**	37.52224000100006
Fips Code:	06001		
Collect Mth Desc:	ADDRESS MATCHING-HOUSE NUMBER		
Ref Point Desc:	CENTER OF A FACILITY OR STATION		
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066163948		
Program Url:			
Pgm Report Url:	no data yet		

CalOES EPA RCRA TSDF - SEMS

Registry ID:	110066163948	**HUC 12:**	
Interest Type:	SUPERFUND (NON-NPL)	**Collect Mth Desc:**	ADDRESS MATCHING-HOUSE NUMBER
Active Status:	NOT ON THE NPL	**Accuracy Value:**	30
Pgm Sys Acrnm:	SEMS	**Ref Point Desc:**	CENTER OF A FACILITY OR STATION
Federal Agency Nm:		**EPA Region Code:**	09
Federal Land Ind:		**Key Field:**	SEMSCAD981389653
Fed Facility Cd:		**Create Dt:**	10/26/2021
Public Ind:	Y	**Update Dt:**	11/24/2021
FIPS Code:	06001	**Last Reported Dt:**	
HUC8 Code:	18050003		
Pgm Report Url:	no data yet		
Program URL:			
Fac Url:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066163948		

55	6 of6	ESE	0.28 / 1,478.89	19.49 / 0	GRACE CONSTRUCTION PRODUCTS 6851 SMITH AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type:	LUST CLEANUP SITE	**Rel Desc:**	
Status:	OPEN - REMEDIATION	**Rel Type:**	
Site Code:		**Rel T Desc:**	
Site ID:		**Program:**	
Record ID:		**Case Desc:**	
ID Type:		**ID Date:**	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Details

Global ID: T0600101890
Fac ID:
Desc:
Inv Party:
Inv P Type:

56	1 of1	NW	0.29 / 1,538.24	20.93 / 2	MANKANG MAI 6925 BAINE AVENUE NEWARK CA 94560	RCRA TSD

EPA Handler ID: CAC003007919
Gen Status Universe: No Report
Contact Name: 6925 BAINE AVENUE
Contact Address: 6925 BAINE AVENUE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 408-868-8318
Contact Email: ALEJANDRAMALDONADO@ALLIANCE-ENVIRO.COM
Contact Country:
Land Type:
County Name: ALAMEDA
EPA Region: 09
Receive Date: 20190329
Location Latitude: 37.528506
Location Longitude: -122.03244

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190329
Handler Name: MANKANG MAI
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer
TSD Activity: Y

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Street No:
Street 1: 6925 BAINE AVENUE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Name:	6925 BAINE AVENUE	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	408-868-8318	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	6925 BAINE AVENUE
Name:	6925 BAINE AVENUE	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	408-868-8318	**Country:**	
Source Type:	Implementer	**Zip Code:**	94560

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57 | **1 of1** | **SW** | **0.29 / 1,552.05** | **14.67 / -4** | **MORTON INTERNATIONAL INC** | **PFAS IND**

NEWARK CA

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CAA; CWA; RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014443022027	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	Y
Last Informal Action:	5/12/2008	**NPDES Flag:**	Y
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	8/20/2012	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	8/20/2012	**TRI IDs:**	94560MRTNS7380M
Last Penalty Amt:	3000	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	69.793	**TRI Reporter:**	-
Fac Pop Den:	3082.26	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	Yes
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	6/16/2013
Latitude:	37.52038	**Days Last Inspection:**	3821
Longitude:	-122.03254		

Fac Derived Tribes:	-
AIR IDs:	CABAA00006001A0079
CAA Permit Types:	Major Emissions
CAA NAICS:	311942
CAA SICS:	2899
NPDES IDs:	CA0005185 CAZ407709
CWA Permit Types:	Non-M
CWA NAICS:	-
CWA SICS:	2819 2899
RCRA IDs:	CAD009200478
RCRA Permit Types:	LQG
RCRA NAICS:	311942
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.03254,%22y%22:37.52038,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110013989773
Industry:	Chemical Mfg

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
58	1 of3	E	0.29 / 1,555.92	22.65 / 4	TNT INCORPORATED 38201 CHERRY STREET NEWARK CA 94560	LUST

Global ID: T0600101372
Site Facility Type:
Status: Completed - Case Closed
Status Date (DL): 1/23/1997
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): TNT INCORPORATED
Address: 38201 CHERRY STREET
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444601
Census Tract (SRCH): 6001444601
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: YES
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: UUU
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-1487
Local Case No: 0254
File Location:
Potential COC: Diesel
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 9/9/1987
How Discovered: Tank Closure
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Physc / Mech Damage
Discharge Source: Tank
EPA Region: 9
Leak Reported Dt: 1987-09-09 00:00:00
Military DoD Site: No
No Further Action Dt: 1997-01-23 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker
Contact Name: MICHELLE A. MYERS
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BOULEVARD
City: FREMONT
Email: michelle.myers@acwd.com
Phone No:

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400

City: OAKLAND
Email:
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 1/23/1997

Status: Open - Remediation
Status Date: 10/27/1993

Status: Open - Site Assessment
Status Date: 3/20/1991

Status: Open - Site Assessment
Status Date: 6/9/1989

Status: Open - Case Begin Date
Status Date: 9/9/1987

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: TNT INCORPORATED
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 38201 CHERRY STREET
City: NEWARK
Zip: 94560
County: ALAMEDA
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101372
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/23/1997
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101372&tabname=regulatoryhistory
Potential COC: DIESEL
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0254
CASE MANAGER: MICHELLE A. MYERS
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1487
CASE MANAGER: Regional Water Board
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
CUF Claim No: 2723
CUF Priority Assig: C
CUF Amount Paid: $574,447
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date : 1/23/1997

Status: Open - Remediation
Date : 10/27/1993

Status: Open - Site Assessment
Date : 3/20/1991

Status: Open - Site Assessment
Date : 6/9/1989

Status: Open - Case Begin Date
Date : 9/9/1987

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: EXCAVATION
Begin Date: 4/29/1993
End Date: 12/17/1993
Phase: Soil
Contaminant Mass Removed:
Description:

Action Type: PUMP & TREAT (P&T) GROUNDWATER
Begin Date: 3/24/1992
End Date: 5/11/1993
Phase: Water
Contaminant Mass Removed:
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 9/22/2016
Received Issue Date: 9/22/2016
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5901207
Title Description Comments:

Screening Level Soil and Groundwater Quality Evaluation

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 1/23/1997
Received Issue Date: 1/23/1997
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&enforcement_id=6399851&temptable=ENFORCEMENT
Title Description Comments:

No Further Action Letter and Closure Summary

Action Type: Response Requested - Other
Action: Correspondence
Action Date: 11/15/1996
Received Issue Date: 11/15/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991025
Title Description Comments:

Correspondence File (1987-1996)

Action Type: Response Requested - Reports

Action: Monitoring Report - Quarterly
Action Date: 3/15/1996
Received Issue Date: 3/15/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991017
Title Description Comments:

Quarterly Monitoring Report

Action Type: Reports
Action: Other Report
Action Date: 4/12/1995
Received Issue Date: 4/12/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&enforcement_id=6399847&temptable=ENFORCEMENT
Title Description Comments:

Letter of Commitment (Claim No. 2723)

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 2/10/1995
Received Issue Date: 2/10/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991018
Title Description Comments:

Quarterly Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 8/3/1994
Received Issue Date: 8/3/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991019
Title Description Comments:

Quarterly Monitoring Report

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 6/14/1994
Received Issue Date: 6/14/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991006
Title Description Comments:

Report on Treatment and Disposal of Diesel Contaminated Soil

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 6/18/1993
Received Issue Date: 6/18/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991021
Title Description Comments:

Quarterly Monitoring Report

Action Type: Cleanup Action
Action: Excavation
Action Date: 4/29/1993
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Excavation

Action Date: 4/29/1993
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Pump & Treat (P&T) Groundwater
Action Date: 3/24/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 3/11/1992
Received Issue Date: 3/11/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991023
Title Description Comments:

Semi-Annual Monitoring Report

Action Type: Response Requested - Workplans
Action: Proposed Plan
Action Date: 1/24/1992
Received Issue Date: 1/24/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991015
Title Description Comments:

Workplan for Pending Remedial Activities

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 9/25/1991
Received Issue Date: 9/25/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991024
Title Description Comments:

Semi-Annual Monitoring Report

Action Type: Response Requested - Reports
Action: Remedial Progress Report
Action Date: 3/20/1991
Received Issue Date: 3/20/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991007
Title Description Comments:

Status Report - Fuel Leak Definition and Clean Up

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 10/3/1990
Received Issue Date: 10/3/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991005
Title Description Comments:

Interim Sanitary Sewer Discharge Permit Application

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Addendum
Action Date: 9/14/1990
Received Issue Date: 9/14/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991014
Title Description Comments:

Workplan for Continued Fuel Impact Definition and GW Remediation

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 5/4/1990
Received Issue Date: 5/4/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991003
Title Description Comments:

Continued Groundwater Investigation

Action Type: Response Requested - Reports
Action: Preliminary Site Assessment Report
Action Date: 8/18/1989
Received Issue Date: 8/18/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991004
Title Description Comments:

Inital Groundwater Report

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 11/11/1987
Received Issue Date: 11/11/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991013
Title Description Comments:

UST Sampling Report

Action Type: Response Requested - Other
Action: Unauthorized Release Form
Action Date: 9/22/1987
Received Issue Date: 9/22/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991009
Title Description Comments:

Unauthorized Release Form

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 9/16/1987
Received Issue Date: 9/16/1987
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101372&doc_id=5991008
Title Description Comments:

Tank Sampling Report

Action Type: Leak Action
Action: Leak Discovery
Action Date: 9/9/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 9/9/1987
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action

Action: Leak Reported
Action Date: 9/9/1987
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 9/22/2016
Type: SITE ASSESSMENT REPORT ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: SCREENING LEVEL SOIL AND GROUNDWATER QUALITY EVALUATION - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5901207

Document Type: Site Documents ***Document Date:*** 1/23/1997
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: NO FURTHER ACTION LETTER AND CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&enforcement_id=6399851

Document Type: Site Documents ***Document Date:*** 11/15/1996
Type: CORRESPONDENCE ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: CORRESPONDENCE FILE (1987-1996)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991025

Document Type: Monitoring Reports ***Document Date:*** 3/15/1996
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR WINTER 96
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1972771763/QMR%20Winter96%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 3/15/1996
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR SPRING 1996
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5915627598/QMR%20Spring96%2Epdf

Document Type: Site Documents ***Document Date:*** 4/12/1995
Type: OTHER REPORT ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: LETTER OF COMMITMENT (CLAIM NO. 2723)
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&enforcement_id=6399847

Document Type: Monitoring Reports ***Document Date:*** 2/10/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR WINTER 94-95
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6622772693/QMR%20Winter94%2D95%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 2/10/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR SUMMER 95
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5131087362/QMR%20Summer%2095%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 2/10/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR SPRING 1995
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6241544961/QMR%20SpringQ95%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 8/3/1994
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)

Title: QUARTERLY MONITORING REPORT - QMR SUMMER 94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5481785655/QMR%20Summer94%2Epdf

Document Type: Monitoring Reports **Document Date:** 8/3/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR FALL 94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3977626979/QMR%20Fall94%2Epdf

Document Type: Monitoring Reports **Document Date:** 8/3/1994
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR SPRING 94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9229516148/QMR%20Spring94%2Epdf

Document Type: Site Documents **Document Date:** 6/14/1994
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: REPORT ON TREATMENT AND DISPOSAL OF DIESEL CONTAMINATED SOIL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991006

Document Type: Monitoring Reports **Document Date:** 6/18/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR FALL 93
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8485350668/QMR%20Fall93%2Epdf

Document Type: Monitoring Reports **Document Date:** 6/18/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR SUMMER 93
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6200760364/QMR%202Q93%2Epdf

Document Type: Monitoring Reports **Document Date:** 3/11/1992
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: SEMI-ANNUAL MONITORING REPORT - SAMR FEB 1992
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7583332896/QMR%20Feb1992%2Epdf

Document Type: Site Documents **Document Date:** 1/24/1992
Type: PROPOSED PLAN **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: WORKPLAN FOR PENDING REMEDIAL ACTIVITIES
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991015

Document Type: Monitoring Reports **Document Date:** 9/25/1991
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: SEMI-ANNUAL MONITORING REPORT - SAMR SEP 1991
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9694586515/QMR%20Sep1991%2Epdf

Document Type: Site Documents **Document Date:** 3/20/1991
Type: REMEDIAL PROGRESS REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: STATUS REPORT - FUEL LEAK DEFINITION AND CLEAN UP
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991007

Document Type: Site Documents **Document Date:** 10/3/1990
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: INTERIM SANITARY SEWER DISCHARGE PERMIT APPLICATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991005

Document Type: Site Documents **Document Date:** 9/14/1990
Type: SOIL AND WATER INVESTIGATION WORKPLAN - ADDENDUM **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: WORKPLAN FOR CONTINUED FUEL IMPACT DEFINITION AND GW REMEDIATION

Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991014

Document Type: Site Documents **Document Date:** 5/4/1990
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: CONTINUED GROUNDWATER INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991003

Document Type: Site Documents **Document Date:** 8/18/1989
Type: PRELIMINARY SITE ASSESSMENT REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: INITAL GROUNDWATER REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991004

Document Type: Site Documents **Document Date:** 11/11/1987
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: UST SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991013

Document Type: Site Documents **Document Date:** 9/22/1987
Type: UNAUTHORIZED RELEASE FORM **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: UNAUTHORIZED RELEASE FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991009

Document Type: Site Documents **Document Date:** 9/16/1987
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: TANK SAMPLING REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101372&document_id=5991008

58	2 of3	E	0.29 / 1,555.92	22.65 / 4	**Safety-Kleen of California, Inc.** **38201 CHERRY ST** **NEWARK CA 94560**	**DELISTED HAZ**

Siteid: 401162
Latitude: 37.524925
Longitude: -122.019844
Original Source: CHAZ
Record Date: 14-MAR-2017

58	3 of3	E	0.29 / 1,555.92	22.65 / 4	**TNT INCORPORATED** **38201 CHERRY STREET** **NEWARK CA 94560**	**CONT ALAMEDA**

Facility Type: LUST CLEANUP SITE **Rel Desc:**
Status: COMPLETED - CASE CLOSED **Rel Type:**
Site Code: **Rel T Desc:**
Site ID: **Program:**
Record ID: **Case Desc:**
ID Type: **ID Date:**
Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: T0600101372 **Inv Party:**
Fac ID: **Inv P Type:**
Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
59	1 of4	ESE	0.30 / 1,608.92	21.66 / 3	FERMA CORPORATION 6655 SMITH AVE NEWARK CA 94560	LUST

Global ID: T0600101911
Site Facility Type:
Status: Completed - Case Closed
Status Date (DL): 3/24/2021
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): FERMA CORPORATION
Address: 6655 SMITH AVE
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444601
Census Tract (SRCH): 6001444601
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: NO
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: DY
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-2079
Local Case No: TT0187
File Location: All Files are on GeoTracker or in the Local Agency Database
Potential COC: Stoddard solvent / Mineral Spriits / Distillates
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 6/16/1995
How Discovered: Tank Closure
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Unknown
Discharge Source: Other
EPA Region: 9
Leak Reported Dt: 1995-06-16 00:00:00
Military DoD Site: No
No Further Action Dt: 2021-03-24 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
Site History:

The subject property (Site) is home to Ferma Corp., a general engineering firm that provides large-scale site prep, construction and demolition services. The Site is developed with a single large warehouse and covered in asphalt pavement with some landscaping of trees and grass. The Site is surrounded by expansive, heavy industrial lots with commercial enterprises occupying the bulk of the proximal parcels. Ferma's facility includes vehicular services for a fleet of heavy construction vehicles. A petroleum terminal contains seven (7) underground storage tanks (USTs) used for various fuels, motor oils, gear oil, waste oil, diesel, and unleaded regular gasoline storage. The largest UST (20,000-gal) is the diesel tank, while all others on Site are 1,000-gal or less. The Site has an identified in-groundwater contaminant plume of methyl tert butyl ethylene (MTBE) dating from the pre-1999 UST sytem. The UST overhaul came in 1999 after the 1984 install. The Site has had quarterly-groundwater monitoring since around 2005.

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: DOUG YOUNG

Organization Name:	ALAMEDA COUNTY WATER DISTRICT
Address:	43885 SOUTH GRIMMER BLVD
City:	FREMONT
Email:	douglas.young@acwd.com
Phone No:	

GeoTracker Sites Data Download - Status History

Status:	Completed - Case Closed
Status Date:	3/24/2021
Status:	Open - Eligible for Closure
Status Date:	10/22/2020
Status:	Open - Eligible for Closure
Status Date:	12/12/2014
Status:	Open - Verification Monitoring
Status Date:	12/12/2014
Status:	Open - Site Assessment
Status Date:	6/16/1995
Status:	Open - Case Begin Date
Status Date:	6/16/1995

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name:	FERMA CORPORATION
Site Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Address:	6655 SMITH AVE
City:	NEWARK
Zip:	94560
County:	ALAMEDA
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101911
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 3/24/2021
Project Status:	
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101911&tabname=regulatoryhistory
Potential COC:	STODDARD SOLVENT / MINERAL SPRIITS / DISTILLATES
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location:	ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	NOTIFY PRIOR TO CHANGE IN LAND USE
Future Land Use:	COMMERCIAL INDUSTRIAL
Cleanup Oversight Agencies:	ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: TT0187 CASE MANAGER: DOUG YOUNG SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-2079 San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
CUF Claim No:	
CUF Priority Assig:	
CUF Amount Paid:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
Project Oversight Agencies:	
Facility Type:	
Composting Method:	
Grndwtr Monitoring Frequency:	# OF WELLS MONITORED - SEMI-ANNUALLY : 5, ANNUALLY : 3
Designated Beneficial Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:	

The subject property (Site) is home to Ferma Corp., a general engineering firm that provides large-scale site prep, construction and demolition services. The Site is developed with a single large warehouse and covered in asphalt pavement with some landscaping of trees and grass. The Site is surrounded by expansive, heavy industrial lots with commercial enterprises occupying the bulk of the proximal parcels. Ferma's facility includes vehicular services for a fleet of heavy construction vehicles. A petroleum terminal contains seven (7) underground storage tanks (USTs) used for various fuels, motor oils, gear oil, waste oil, diesel, and unleaded regular gasoline storage. The largest UST (20,000-gal) is the diesel tank, while all others on Site are 1,000-gal or less. The Site has an identified in-groundwater contaminant plume of methyl tert butyl ethylene (MTBE) dating from the pre-1999 UST sytem. The UST overhaul came in 1999 after the 1984 install. The Site has had quarterly-groundwater monitoring since around 2005.

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date : 3/24/2021

Status: Open - Eligible for Closure
Date : 10/22/2020

Status: Open - Verification Monitoring
Date : 12/12/2014

Status: Open - Eligible for Closure
Date : 12/12/2014

Status: Open - Site Assessment
Date : 6/16/1995

Status: Open - Case Begin Date
Date : 6/16/1995

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: PUMP & TREAT (P&T) GROUNDWATER
Begin Date: 10/9/2002
End Date:
Phase: Water
Contaminant Mass Removed:
Description:

Action Type: EXCAVATION
Begin Date: 8/1/1999
End Date:
Phase: Soil
Contaminant Mass Removed:
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 3/24/2021
Received Issue Date: 3/24/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6461416&temptable=ENFORCEMENT
Title Description Comments:

Case closure - NFA

Action Type: Other Regulatory Actions
Action: Closure Summary
Action Date: 3/3/2021
Received Issue Date: 3/3/2021
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6459457&temptable=ENFORCEMENT
Title Description Comments:

ACWD Recommendation and Case Closure Summary

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 1/19/2021
Received Issue Date: 1/19/2021
Doc Link:
Title Description Comments:

Case Closure Summary-Supporting Documentation

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 11/6/2020
Received Issue Date: 11/6/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6455445&temptable=ENFORCEMENT
Title Description Comments:

Waste disposal manifests

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 10/28/2020
Received Issue Date: 10/28/2020
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6450545&temptable=ENFORCEMENT
Title Description Comments:

Request for Manifests

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/27/2020
Received Issue Date: 5/27/2020
Doc Link:
Title Description Comments:

updated Pathway to closure and LTCP checklist

Action Type: Other Regulatory Actions
Action: File Review - Closure
Action Date: 6/12/2019
Received Issue Date: 6/12/2019
Doc Link:
Title Description Comments:

case closure review

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Doc Link:
Title Description Comments:

File Review and LTCP Checklist Update

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/12/2014
Received Issue Date: 12/12/2014
Doc Link:

Title Description Comments:

Completed Path to Closure Plan Evaluation

Action Type: Response Requested - Other
Action: Request for Closure - Regulator Responded
Action Date: 10/22/2014
Received Issue Date: 10/22/2014
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5824039
Title Description Comments:

R14-23 Case Closure Request Report - R2 staff will check with ACWD staff to determine case closure status for this Site.

Action Type: Response Requested - Workplans
Action: Soil and Water Investigation Workplan - Regulator Responded
Action Date: 10/1/2013
Received Issue Date: 10/1/2013
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5785106
Title Description Comments:

Plume Workplan Part II

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/8/2013
Received Issue Date: 8/8/2013
Doc Link:
Title Description Comments:

LTCP Review & Checklist - Not eligible for closure

Action Type: Other Regulatory Actions
Action: File review
Action Date: 2/26/2010
Received Issue Date: 2/26/2010
Doc Link:
Title Description Comments:

Case Closure Review per Resolution No 2009-0042

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/30/2009
Received Issue Date: 7/30/2009
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6026540&temptable=ENFORCEMENT
Title Description Comments:

Groundwater Monitoring Frequency

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 4/13/2006
Received Issue Date: 4/13/2006
Doc Link:
Title Description Comments:

Phone Call: Re-sampling of Down-Gradient Well

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/25/2005
Received Issue Date: 7/25/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?

global_id=T0600101911&enforcement_id=6005459&temptable=ENFORCEMENT

Title Description Comments:

Approval to Discontinue TPH-d Monitoring

Action Type: Cleanup Action
Action: Pump & Treat (P&T) Groundwater
Action Date: 10/9/2002
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 12/8/1999
Received Issue Date: 12/8/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=6006430
Title Description Comments:

Waste Manifests

Action Type: Response Requested - Reports
Action: Tank Removal Report / UST Sampling Report
Action Date: 8/10/1999
Received Issue Date: 8/10/1999
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=6006428
Title Description Comments:

Report of Tank Removal and Over Excavation

Action Type: Cleanup Action
Action: Excavation
Action Date: 8/1/1999
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 6/16/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 6/16/1996
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 6/16/1995
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 4/25/1995
Received Issue Date: 4/25/1995

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923876
Title Description Comments:

Semi-Annual Report April 1995

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 7/29/1994
Received Issue Date: 7/29/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923877
Title Description Comments:

Semi-Annual Report July 1994

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 11/8/1993
Received Issue Date: 11/8/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923879
Title Description Comments:

Semi-Annual Report November 1993

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 12/2/1992
Received Issue Date: 12/2/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923880
Title Description Comments:

Semi-Annual Report December 1992

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 5/18/1992
Received Issue Date: 5/18/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923881
Title Description Comments:

Semi-Annual Report May 1992

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 11/13/1991
Received Issue Date: 11/13/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923884
Title Description Comments:

Semi-Annual Report November 1991

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 2/13/1991
Received Issue Date: 2/13/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923882
Title Description Comments:

Semi-Annual Report February 1991

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 5/29/1990
Received Issue Date: 5/29/1990

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923885
Title Description Comments:

Semi-Annual Report May 1990

Action Type: Response Requested - Reports
Action: Monitoring Report - Semi-Annually
Action Date: 4/19/1990
Received Issue Date: 4/19/1990
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923886
Title Description Comments:

Semi-Annual Report April 1990

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 6/20/1989
Received Issue Date: 6/20/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923866
Title Description Comments:

Soil and Groundwater Investigation June 1989

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 3/29/1989
Received Issue Date: 3/29/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923869
Title Description Comments:

Application for Well Permit March 1989

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 3/17/1989
Received Issue Date: 3/17/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923874
Title Description Comments:

Addendum to Proposal for Monitoring Well Replacement March 1989

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 2/16/1989
Received Issue Date: 2/16/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923873
Title Description Comments:

Addendum to Proposal for Monitoring Well Replacement February 1989

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 2/6/1989
Received Issue Date: 2/6/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923871
Title Description Comments:

Proposal for Monitoring Well Placement February 1989

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 2/19/1988
Received Issue Date: 2/19/1988

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101911&doc_id=5923875
Title Description Comments:

Application for Permit to Operate UST with Map - February 1988

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 3/24/2021
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: RALPH LAMBERT (REGULATOR)
Title: CASE CLOSURE - NFA
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6461416

Document Type: Site Documents ***Document Date:*** 3/3/2021
Type: CLOSURE SUMMARY ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: ACWD RECOMMENDATION AND CASE CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6459457

Document Type: Site Documents ***Document Date:*** 11/6/2020
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: WASTE DISPOSAL MANIFESTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6455445

Document Type: Site Documents ***Document Date:*** 10/28/2020
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: REQUEST FOR MANIFESTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6450545

Document Type: Site Documents ***Document Date:*** 6/22/2020
Type: WELL DESTRUCTION REPORT ***Submitted:***
Submitted By: BENJAMIN BERMAN (AUTH_RP)
Title: LETTER REPORT OF GROUNDWATER MONITORING WELL DESTRUCTIONS
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4904078602/T0600101911.PDF

Document Type: Site Documents ***Document Date:*** 10/21/2019
Type: FACT SHEETS - PUBLIC PARTICIPATION ***Submitted:***
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: 60-DAY PUBLIC COMMENT PERIOD FOR CASE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5757304310/T0600101911.PDF

Document Type: Site Documents ***Document Date:*** 10/21/2019
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: BENJAMIN BERMAN (AUTH_RP)
Title: NOTICE OF CASE CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4290856420/T0600101911.PDF

Document Type: Site Documents ***Document Date:*** 9/23/2014
Type: REQUEST FOR CLOSURE ***Submitted:***
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: R14-23 CASE CLOSURE REQUEST REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1478258252/T0600101911.PDF

Document Type: Monitoring Reports ***Document Date:*** 10/3/2013
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q3 2013
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9896554172/T0600101911.PDF

Document Type: Site Documents ***Document Date:*** 10/1/2013
Type: SOIL AND WATER INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)

Title: PLUME WORKPLAN PART II - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5785106

Document Type: Site Documents **Document Date:** 9/17/2013
Type: SOIL AND WATER INVESTIGATION WORKPLAN **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: PLUME WORKPLAN PART II
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3763669848/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 8/12/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q2 2013 MAIN REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6576444506/T0600101911.PDF

Document Type: Site Documents **Document Date:** 8/1/2013
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA 2013 PLUME REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5049625456/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 4/17/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q1 2013 MAIN REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4064283251/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/11/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q4 2012 GW MON RPT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8387821257/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 9/25/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q3-12 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9222412049/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 7/16/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q2-12 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3885755419/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 4/3/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q1-12 FERMA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3287236034/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/2/2012
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q4-11 FERMA
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8810363054/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 7/13/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q2.11 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9224175870/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 4/21/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q1/11 REPORT

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8328095436/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/17/2011
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q4/10 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4985230445/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 9/23/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q3-2010
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1690647900/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 7/5/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q2/10 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3707841277/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 3/19/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q1-10 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5322656095/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 10/6/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q3-09 REPORT FIXED RESUBMIT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9698706388/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 9/21/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q2/09 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4779794156/T0600101911.PDF

Document Type: Site Documents **Document Date:** 7/30/2009
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: GROUNDWATER MONITORING FREQUENCY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6026540

Document Type: Monitoring Reports **Document Date:** 3/24/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q1/09
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1056225001/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/6/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q4-08 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9767552256/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 10/29/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q3-08 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3291543126/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 10/29/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q1-08 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6489838123/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 7/29/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMA Q2/08 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2611607432/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/8/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q4/2007 MONITORING
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4231046915/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 7/9/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q2-07 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6269971549/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 10/19/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q2-06
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8542709171/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 10/19/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q3-06
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4202560245/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/9/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMAQUARTERLY Q3 2005 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5066419839/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/9/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMAQUARTERLY Q4 2005 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6294416666/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 1/9/2006
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: FERMAQUARTERLY Q2 2005 REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6283979654/T0600101911.PDF

Document Type: Monitoring Reports **Document Date:** 12/7/2005
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: RICK WIDEBROOK (AUTH_RP)
Title: Q1/05 GW MON. CH.1/2
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5795362710/T0600101911.PDF

Document Type: Site Documents **Document Date:** 7/25/2005
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: APPROVAL TO DISCONTINUE TPH-D MONITORING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&enforcement_id=6005459

Document Type: Site Documents **Document Date:** 12/8/1999
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: WASTE MANIFESTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=6006430

Document Type: Site Documents **Document Date:** 8/10/1999
Type: TANK REMOVAL REPORT / UST SAMPLING **Submitted:**

REPORT
Submitted By: DESTINY KAPULE (REGULATOR)
Title: REPORT OF TANK REMOVAL AND OVER EXCAVATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=6006428

Document Type: Monitoring Reports ***Document Date:*** 4/25/1995
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT APRIL 1995 - SEMI-ANNUAL REPORT APRIL 1995
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/4421069085/Semi%2DAnnual%20Report%20April%201995%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 7/29/1994
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT JULY 1994 - SEMI-ANNUAL REPORT JULY 1994
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1013234019/Semi%2DAnnual%20Report%20July%201994%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 11/8/1993
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT NOVEMBER 1993 - SEMI-ANNUAL REPORT NOVEMBER 1993
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2228047251/Semi%2DAnnual%20Report%20November%201993%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 12/2/1992
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT DECEMBER 1992 - SEMI-ANNUAL REPORT DECEMBER 1992
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9016231715/Semi%2DAnnual%20Report%20December%201992%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 5/18/1992
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT MAY 1992 - SEMI-ANNUAL REPORT MAY 1992
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2848362803/Semi%2DAnnual%20Report%20May%201992%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 11/13/1991
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT NOVEMBER 1991 - SEMI-ANNUAL REPORT NOVEMBER 1991
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8435912191/Semi%2DAnnual%20Report%20November%201991%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 2/13/1991
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT FEBRUARY 1991 - SEMI-ANNUAL REPORT FEBRUARY 1991
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8470673084/Semi%2DAnnual%20Report%20February%201991%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 5/29/1990
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT MAY 1990 - SEMI-ANNUAL REPORT MAY 1990
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9790389120/Semi%2DAnnual%20Report%20May%201990%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 4/19/1990
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SEMI-ANNUAL REPORT APRIL 1990 - SEMI-ANNUAL REPORT APRIL 1990
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/1717635214/Semi%2DAnnual%20Report%20April%201990%2Epdf

Document Type: Site Documents ***Document Date:*** 6/20/1989
Type: SOIL AND WATER INVESTIGATION ***Submitted:***

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

REPORT
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: SOIL AND GROUNDWATER INVESTIGATION JUNE 1989
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5923866

Document Type: Site Documents **Document Date:** 3/29/1989
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: APPLICATION FOR WELL PERMIT MARCH 1989
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5923869

Document Type: Site Documents **Document Date:** 3/17/1989
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: ADDENDUM TO PROPOSAL FOR MONITORING WELL REPLACEMENT MARCH 1989
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5923874

Document Type: Site Documents **Document Date:** 2/16/1989
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: ADDENDUM TO PROPOSAL FOR MONITORING WELL REPLACEMENT FEBRUARY 1989
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5923873

Document Type: Site Documents **Document Date:** 2/6/1989
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: PROPOSAL FOR MONITORING WELL PLACEMENT FEBRUARY 1989
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5923871

Document Type: Site Documents **Document Date:** 2/19/1988
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: SUNNY GRUNLOH (REGULATOR)
Title: APPLICATION FOR PERMIT TO OPERATE UST WITH MAP - FEBRUARY 1988
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101911&document_id=5923875

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
59	2 of4	ESE	0.30 / 1,608.92	21.66 / 3	**Gray Truck Company** **6655 Smith Ave** **Newark CA 94560**	SWF/LF

SWIS No: 01-CR-0014
Site ID: 45
EPA Fed Regist ID:
Site Op Status: Closed
Regulatory Status: TBD (Pending Investigation)
Site is Archived: Yes
Absorbed on:
Absorbed by:
ARB District: Bay Area
SWRCB Region: San Francisco Bay
Site Point of Cont: Sabra Ambrose
Site ZIP: 94560
County: Alameda
Latitude: 37.53333
Longitude: -122.05
Site Inert Debris Eng Fill: No
Closed Illegal Aband: Yes
Closed Illegal Aband Cat:
Finance Assuran Responsible: No
Incorporated City: Newark
Local Government: Newark
Reporting Agency Legal Name: County of Alameda
Reporting Agency Department: Department of Environmental Health
Enforcing Agency Legal Name: County of Alameda
Enforcing Agency Department: Department of Environmental Health

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
59	3 of4	ESE	0.30 / 1,608.92	21.66 / 3	**FERMA CORPORATION** **6655 SMITH AVE** **NEWARK CA 94560**	CONT ALAMEDA

Facility Type: LUST CLEANUP SITE
Status: OPEN - ELIGIBLE FOR CLOSURE
Site Code:
Site ID:
Record ID:
Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

ID Type: **ID Date:**
Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: T0600101911 **Inv Party:**
Fac ID: **Inv P Type:**
Desc:

---

59 | **4 of4** | **ESE** | **0.30 / 1,608.92** | **21.66 / 3** | **FERMA CORPORATION**
6655 SMITH AVE.
NEWARK CA 94560 | ***CONT ALAMEDA***

Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST) **Rel Desc:**
Status: **Rel Type:**
Site Code: **Rel T Desc:**
Site ID: **Program:**
Record ID: **Case Desc:**
ID Type: **ID Date:**
Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: **Inv Party:**
Fac ID: 01-008-000113 **Inv P Type:**
Desc:

---

60 | **1 of1** | **ESE** | **0.31 / 1,610.41** | **20.17 / 1** | **SWT Chemical Storage Tanks located at Evergreen Oil, Inc**
6882 SMITH AVENUE
NEWARK CA 94560 | ***DELISTED HAZ***

Siteid: 72923
Latitude: 37.271881
Longitude: -119.270230
Original Source: CHAZ
Record Date: 09-JUL-2018

---

61 | **1 of1** | **ESE** | **0.31 / 1,647.74** | **18.94 / 0** | **EVERGREEN OIL INC**
NEWARK CA | ***PFAS IND***

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	CWA; RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011017	**Fac Snc Flg:**	N
Fac Informal Count:	8	**AIR Flag:**	N
Last Informal Action:	10/21/2022	**NPDES Flag:**	Y
Formal Action Count:	5	**SDWIS Flag:**	N
Last Formal Action:	9/27/2022	**RCRAFlag:**	Y
Fac Total Penalties:	146400	**TRI Flag:**	Y
Fac Penalty Count:	2	**GHG Flag:**	N
Date Last Penalty:	9/27/2022	**TRI IDs:**	94560VRGRN6880S
Last Penalty Amt:	73200	**TRI Releases Trnsfrs:**	2149092

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Qtrs With Nc:	7	**TRI on Site Releases:**	16
Programs With Snc:	0	**TRI off Site Trnsfrs:**	2149076
Fac Percent Minority:	70.526	**TRI Reporter:**	Yes
Fac Pop Den:	3912.55	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	Yes
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	4
Region:	09	**Date Last Inspection:**	11/9/2021
Latitude:	37.52174	**Days Last Inspection:**	753
Longitude:	-122.02116		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	CAZ180696		
CWA Permit Types:	Non-M		
CWA NAICS:	-		
CWA SICS:	2992		
RCRA IDs:	CAD980887418 CAD982413262		
RCRA Permit Types:	LQG, Operating TSDF, Other		
RCRA NAICS:	562112 324191		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	N		
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER		
EJSCREEN Flag Us:	Y		
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.02116,%22y%22:37.52174,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1		
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110009544868		
Industry:	Petroleum		
Industry:	Waste Management		

62	1 of1	SW	0.33 / 1,739.02	14.92 / -4	LESLIE SALT CO ALAMEDA COUNTY NEWARK CA 94560	MRDS

Dep ID:	10235104	**I1:**	17
Dev Status:	PRODUCER	**Latitude:**	37.519714
Code List:	NA_S	**Longitude:**	-122.03241
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10235104		

Commodity

I1:	26	**Line:**	1
Code:	NA_S	**Inserted By:**	MAS migration
Commodity:	Salt	**Insert Date:**	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic	**Updated By:**	USGS
Commodity Group:	Sodium	**Update Date:**	29-OCT-2002 09:02:06
Importance:	Primary		

Names

I1:	23	**Inserted By:**	MAS migration
Status:	Current	**Insert Date:**	29-OCT-02
Site Name:	Leslie Salt Co	**Updated By:**	USGS
Line:	1	**Update Date:**	29-OCT-02

63	1 of1	WSW	0.34 / 1,797.33	18.11 / -1	LTD CERAMICS, INC. 7411 CENTRAL AVENUE NEWARK CA 94560	ENVIROSTOR

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Estor/EPA ID: 71003345
Site Code:
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6001444302
Site Type: TIERED PERMIT
Address Description: 7411 CENTRAL AVENUE
Office: CLEANUP BERKELEY
Special Program:
Funding:
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.521329
Longitude: -122.036364
Acres: 1 ACRES
Supervisor: KAREN TOTH
Cleanup Status: INACTIVE - NEEDS EVALUATION AS OF 5/4/2000
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Facility Comments: Additional contact is Ray Quintal.

Status: INACTIVE - NEEDS EVALUATION
Program Type: TIERED PERMIT
CalEnviroScreen Score: 45-50%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=71003345

Completed Activities

Title: Inspection - Compliance Verification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Compliance Verification
Date Completed: 5/4/2000
Comments: Phase I Non-Submittal Drive By

Title: Phase 1 Environmental Assessment Checklist
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=71003345&doc_id=60288119
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 6/28/2000
Comments: Phase 1 checklist indicates no releases.

Title: Phase I Non-Submittal
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1 Non-Submittal
Date Completed: 12/21/2000
Comments:

64	1 of1	W	0.34 / 1,801.35	18.33 / -1	NORDSTROM DISTRIBUTION CENTER #499 37599 FILBERT ST NEWARK CA 94560	CONT ALAMEDA

Facility Type: PERMITTED UNDERGROUND STORAGE **Rel Desc:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TANK (UST)

Status:		**Rel Type:**	
Site Code:		**Rel T Desc:**	
Site ID:		**Program:**	
Record ID:		**Case Desc:**	
ID Type:		**ID Date:**	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:		**Inv Party:**	
Fac ID:	01-008-000075	**Inv P Type:**	
Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
65	1 of1	SW	0.34 / 1,809.60	14.01 / -5	SPECTRUM INK CO NEWARK CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014443022027	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	69.655	**TRI Reporter:**	-
Fac Pop Den:	2954.11	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.519829	**Days Last Inspection:**	-
Longitude:	-122.033102		
Fac Derived Tribes:	-		
AIR IDs:	-		
CAA Permit Types:	-		
CAA NAICS:	-		
CAA SICS:	-		
NPDES IDs:	-		
CWA Permit Types:	-		
CWA NAICS:	-		
CWA SICS:	-		
RCRA IDs:	CAD982491623		
RCRA Permit Types:	SQG		
RCRA NAICS:	325998		
SDWA IDs:	-		
SDWA System Types:	-		
SDWA Compliance Status:	-		
SDWA Snc Flag:	N		
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER		
EJSCREEN Flag Us:	Y		
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.033102,%22y%22:37.519829,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1		
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110002829814		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Industry:		Chemical Mfg				
66	1 of3	SW	0.34 / 1,813.06	15.25 / -4	MORTON INTERNATIONAL, INC. 7380 MORTON AVENUE NEWARK CA 94560	CLEANUP SITES

Global ID: T10000011008
Site Facility Type:
Cleanup Status:
Status (SRCH): OPEN - SITE ASSESSMENT
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444302
RWQCB Region (DL):
Longitude:
Latitude:
Address: 7380 MORTON AVENUE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0784
Local Case No: 0611
Begin Date: 10/5/2017
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency:
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC:
How Discovered:
Stop Method:
Stop Description:
Case Worker:
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt:
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source:
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 45-50%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 2017-10-05 00:00:00

Status: Open - Site Assessment
Status Date: 2017-10-05 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker

Contact Name: Cherie McCaulou
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: cherie.mccaulou@waterboards.ca.gov
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T10000011008
Cleanup Status Detail: OPEN - SITE ASSESSMENT AS OF 10/5/2017
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0611
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0784
CASE MANAGER: Cherie McCaulou
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T10000011008&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 12/19/2019
Received Issue Date: 12/19/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011008&enforcement_id=6423165&temptable=ENFORCEMENT
Title Description Comments:

Approval of Extension Request

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Monitoring Reports ***Document Date:*** 8/18/2023*
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT □ FIRST HALF 2023
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2525694668/T10000011008.PDF

Document Type: Site Documents ***Document Date:*** 8/11/2023*
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: GHD (AUTH_RP)

Title: SITE INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5020680129/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 2/23/2023*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT SECOND HALF 2022
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3212740898/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 5/20/2022*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - FIRST HALF 2022
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5807650983/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 10/29/2021*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT SECOND HALF 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3979790449/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 4/30/2021*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT FIRST HALF 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9955254316/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 2/4/2021*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2086846113/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 12/9/2020*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - THIRD QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7818508446/T10000011008.PDF

Document Type: Monitoring Reports **Document Date:** 6/22/2020*
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT SECOND QUARTER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5253774821/T10000011008.PDF

Document Type: Site Documents **Document Date:** 2/12/2020
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: MONITORING WELL INSTALLATION REPROT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9376730799/T10000011008.PDF

Document Type: Site Documents **Document Date:** 12/19/2019
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: DESTINY KAPULE (REGULATOR)
Title: APPROVAL OF EXTENSION REQUEST
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T10000011008&enforcement_id=6423165

Document Type: Site Documents **Document Date:** 12/21/2018*
Type: SITE INVESTIGATION **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: SITE GROUNDWATER INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7226843714/T10000011008.PDF

Document Type: Site Documents **Document Date:** 11/27/2018*
Type: REMEDIAL ACTION COMPLETE **Submitted:**
Submitted By: GHD (AUTH_RP)
Title: SOIL REMEDIATION COMPLETION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4447934091/T10000011008.PDF

Document Type: Site Documents ***Document Date:*** 11/6/2018*
Type: SITE INVESTIGATION ***Submitted:***
Submitted By: GHD (AUTH_RP)
Title: PHASE II INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5192917108/T10000011008.PDF

Document Type: Monitoring Reports ***Document Date:*** 3/30/2018
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: GHD (AUTH_RP)
Title: QUARTERLY STATUS REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2380485236/T10000011008.PDF

Document Type: Site Documents ***Document Date:*** 12/22/2017
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: GHD (AUTH_RP)
Title: SUPPLEMENTAL PHASE II SITE INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1115890741/T10000011008.PDF

Document Type: Site Documents ***Document Date:*** 12/8/2017
Type: SOIL AND WATER INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: GHD (AUTH_RP)
Title: SOIL REMEDIATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7446496784/T10000011008.PDF

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 6/23/2022*
Submitted By: GHD (AUTH_RP)
Title: MW-3 (MW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3816161751/T10000011008.PDF

Submitted: 6/23/2022*
Submitted By: GHD (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5381991922/T10000011008.PDF

Submitted: 6/23/2022*
Submitted By: GHD (AUTH_RP)
Title: MW-2 (MW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8830052077/T10000011008.PDF

Submitted: 6/23/2022*
Submitted By: GHD (AUTH_RP)
Title: MW-1 (MW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8477730512/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T5-1 (T5-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3394070565/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T5-2 (T5-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8933514535/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T7-3 (T7-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8373486459/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-1 (T4-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1655112922/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-2 (T4-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3725884497/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T7-1 (T7-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8762814462/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-10 (T3-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6593271076/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T10-1 (T10-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6837716877/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T6-2 (T6-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7306646943/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-12 (T3-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3291144013/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T9-3 (T9-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9694839715/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T5-1B (T5-1B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6694885492/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T7-3B (T7-3B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2842694222/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-7 (T3-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8867022037/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-8 (T3-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4105435311/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T7-4 (T7-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5358947992/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-3 (T4-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8273428797/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-5 (T4-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1767434179/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T5-3 (T5-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5839957118/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T6-3 (T6-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3872937142/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T6-3B (T6-3B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1106469213/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T6-1 (T6-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8318444311/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T7-2 (T7-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3095361530/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T9-6 (T9-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4757611215/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T10-2 (T10-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9873009741/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T10-4 (T10-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4509020328/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T6-1B (T6-1B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5781656086/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T6-2B (T6-2B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4762143075/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-9 (T3-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4533011078/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-1B (T4-1B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7441133975/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T5-4 (T5-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3775488734/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T5-5 (T5-5)

Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6595349252/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T9-5 (T9-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8864081263/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T8-7 (T8-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5405556738/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-11 (T3-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6749981820/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T10-3 (T10-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5514138996/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-4 (T4-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9177823007/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T9-4 (T9-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9617935419/T10000011008.PDF

Submitted: 1/11/2019*
Submitted By: GHD (AUTH_RP)
Title: T4-6 (T4-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4771399378/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-7 (B-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6177713215/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T1-2 (T1-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8237997889/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T2-2 (T2-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2447104334/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-11 (B-11)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7821954548/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-14 (B-14)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3037948846/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-2 (T3-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4601330697/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)

Title: B-10 (B-10)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2641095101/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T1-1 (T1-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4195495843/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T2-4 (T2-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2651092767/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-9 (B-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5908867895/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-3 (T3-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2263510346/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-15 (B-15)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2614984333/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-16 (B-16)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2163606643/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T2-5 (T2-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6571703433/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T2-3B (T2-3B)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9297985970/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-1 (T3-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9767844080/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-4 (T3-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/1968071997/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-8 (B-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5483368158/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-13 (B-13)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5159491419/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T2-3 (T2-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6685189306/T10000011008.PDF

Submitted: 1/9/2019*

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Submitted By: GHD (AUTH_RP)
Title: B-6 (B-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8662865698/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-12 (B-12)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7998303353/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: B-17 (B-17)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6044165492/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T2-1 (T2-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3785622656/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-5 (T3-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8123822152/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: T3-6 (T3-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2887857258/T10000011008.PDF

Submitted: 1/9/2019*
Submitted By: GHD (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/5353482186/T10000011008.PDF

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Site Assessment
Date: 10/5/2017

Status: Open - Case Begin Date
Date: 10/5/2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
66	2 of3	SW	0.34 / 1,813.06	15.25 / -4	Morton International 7380 Morton Ave Newark CA 94560	SWF/LF

SWIS No: 01-CR-0018
Site ID: 48
EPA Fed Regist ID:
Site Op Status: Planned
Regulatory Status: Proposed
Site is Archived: Yes
Absorbed on:
Absorbed by:
Site Inert Debris Eng Fill: No
Closed Illegal Aband: No
Closed Illegal Aband Cat:
Finance Assuran Responsible: No
Incorporated City: Newark
Local Government: Newark
Reporting Agency Legal Name: County of Alameda
Reporting Agency Department: Department of Environmental Health
Enforcing Agency Legal Name: County of Alameda
Enforcing Agency Department: Department of Environmental Health

ARB District: Bay Area
SWRCB Region: San Francisco Bay
Site Point of Cont: Alyssa Williams
Site ZIP: 94560
County: Alameda
Latitude: 37.53333
Longitude: -122.05

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
66	3 of3	SW	0.34 / 1,813.06	15.25 / -4	MORTON INTERNATIONAL, INC. 7380 MORTON AVENUE NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - SITE ASSESSMENT
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: T10000011008
Fac ID:
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
67	1 of2	ESE	0.34 / 1,814.35	22.38 / 3	UPS FREIGHT- NEWARK TERMINAL 6700 SMITH AVE NEWARK CA 94560	LUST

Global ID: T0600138629
Site Facility Type:
Status: Completed - Case Closed
Status Date (DL): 2/11/2011
Cleanup Status:
Case Type (DL): LUST Cleanup Site
RWQCB Region (DL): SAN FRANCISCO BAY RWQCB (REGION 2)
Site Facility Name:
Business Name (DL): UPS Freight- Newark Terminal
Address: 6700 SMITH AVE
City: NEWARK
State: CA
Zip: 94560
County: ALAMEDA

Census Tract: 6001444601
Census Tract (SRCH): 6001444601
Oil Field (SRCH):
Oil Field Oper (SRCH):
Latitude:
Longitude:

GeoTracker Sites Data Download - Site Details

CUF Case: NO
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: UUU
Local Agency: ALAMEDA COUNTY WATER DISTRICT
RB Case No: 01-2560
Local Case No: 0674
File Location: Local Agency
Potential COC: Benzene, Other Solvent or Non-Petroleum Hydrocarbon
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 1/22/2001
How Discovered: Site Assessment/Site Investigation
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source: Dispenser
EPA Region: 9
Leak Reported Dt: 2001-01-22 00:00:00

Military DoD Site: No
No Further Action Dt: 2011-02-11 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 76-80%
Calenviroscreen 4 Score: 60-65%
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

Contact Type: Local Agency Caseworker
Contact Name: DOUG YOUNG
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: douglas.young@acwd.com
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2/11/2011

Status: Open - Verification Monitoring
Status Date: 4/24/2002

Status: Open - Case Begin Date
Status Date: 1/22/2001

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: UPS FREIGHT- NEWARK TERMINAL
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 6700 SMITH AVE
City: NEWARK
Zip: 94560
County: ALAMEDA
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600138629
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 2/11/2011
Project Status:
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600138629&tabname=regulatoryhistory
Potential COC: BENZENE, OTHER SOLVENT OR NON-PETROLEUM HYDROCARBON
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location: LOCAL AGENCY
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management: NOTIFY PRIOR TO CHANGE IN LAND USE
NOTIFY PRIOR TO DEVELOPMENT
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0674
CASE MANAGER: DOUG YOUNG
SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-2560
CASE MANAGER: Regional Water Board
San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative

agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.

CUF Claim No:
CUF Priority Assig:
CUF Amount Paid:
WDR Place Type:
WDR File No:
WDR Order No:
Project Oversight Agencies:
Facility Type:
Composting Method:
Grndwtr Monitoring Frequency:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date : 2/11/2011

Status: Open - Verification Monitoring
Date : 4/24/2002

Status: Open - Case Begin Date
Date : 1/22/2001

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter - #01/2560
Action Date: 2/11/2011
Received Issue Date: 2/11/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6077800&temptable=ENFORCEMENT
Title Description Comments:

Conditional Case Closure Letter for 6700 Smith Avenue, Newark, CA 94560

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 2/11/2011
Received Issue Date: 2/11/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6299240&temptable=ENFORCEMENT
Title Description Comments:

6700 Smith Avenue, Newark - Case Closure Package

Action Type: Other Regulatory Actions
Action: LOP Case Closure Summary to RB
Action Date: 1/7/2011
Received Issue Date: 1/7/2011
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6129139&temptable=ENFORCEMENT
Title Description Comments:

Recommendation for LUFT Conditional Case Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/21/2010
Received Issue Date: 9/21/2010

Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6065522&temptable=ENFORCEMENT
Title Description Comments:

Re Site Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/16/2010
Received Issue Date: 9/16/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6065520&temptable=ENFORCEMENT
Title Description Comments:

Draft Closure Summary

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2010
Received Issue Date: 6/30/2010
Doc Link:
Title Description Comments:

Case Closure Review per Resolution No 2009-0042

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 8/6/2008
Received Issue Date: 8/6/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6005517&temptable=ENFORCEMENT
Title Description Comments:

Workplan Approval

Action Type: Leak Action
Action: Leak Reported
Action Date: 1/22/2001
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 1/22/2001
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Other Regulatory Actions
Action: File Review - Closure
Action Date:
Received Issue Date:
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6299236&temptable=ENFORCEMENT
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:***
Type: FILE REVIEW - CLOSURE ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)

Title: FILE REVIEW - CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6299236

Document Type: Site Documents **Document Date:** 2/11/2011
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: 6700 SMITH AVENUE, NEWARK - CASE CLOSURE PACKAGE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6299240

Document Type: Site Documents **Document Date:** 2/11/2011
Type: CLOSURE/NO FURTHER ACTION LETTER **Submitted:**
Submitted By: (REGULATOR)
Title: CONDITIONAL CASE CLOSURE LETTER FOR 6700 SMITH AVENUE, NEWARK, CA 94560
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6077800

Document Type: Site Documents **Document Date:** 1/20/2011
Type: WELL DESTRUCTION REPORT **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: WELL ABANDONMENT COMPLETION LETTER
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3978753507/T0600138629.PDF

Document Type: Site Documents **Document Date:** 1/7/2011
Type: LOP CASE CLOSURE SUMMARY TO RB **Submitted:**
Submitted By: PABLO CORTEZ (REGULATOR)
Title: RECOMMENDATION FOR LUFT CONDITIONAL CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6129139

Document Type: Site Documents **Document Date:** 10/28/2010
Type: WELL DESTRUCTION WORKPLAN **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: WORK PLAN FOR WELL ABANDONMENT ADDENDUM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6222016334/T0600138629.PDF

Document Type: Site Documents **Document Date:** 10/5/2010
Type: WELL DESTRUCTION WORKPLAN **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: WORK PLAN FOR WELL ABANDONMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9190179407/T0600138629.PDF

Document Type: Site Documents **Document Date:** 9/21/2010
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: RE SITE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6065522

Document Type: Site Documents **Document Date:** 9/16/2010
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: DRAFT CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6065520

Document Type: Monitoring Reports **Document Date:** 5/3/2010
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7799561858/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 2/1/2010
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9607657194/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 10/21/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: UPS FREIGHT NEWARK 2009 2ND QTR GWM

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4789407193/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 7/15/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5783068001/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 2/23/2009
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3196374058/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 11/17/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - NOVEMBER 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7018093287/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 10/14/2008
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: UPS FREIGHT NEWARK 2ND QTR GWM
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5880492269/T0600138629.PDF

Document Type: Site Documents **Document Date:** 8/6/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: (REGULATOR)
Title: WORKPLAN APPROVAL
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600138629&enforcement_id=6005517

Document Type: Site Documents **Document Date:** 4/25/2008
Type: REPORTS - OTHER **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4129700183/T0600138629.PDF

Document Type: Monitoring Reports **Document Date:** 11/14/2007
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: HUGH B. DEVERY (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT, NOVEMBER 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1830474674/T0600138629.PDF

67	2 of2	ESE	0.34 / 1,814.35	22.38 / 3	**UPS FREIGHT- NEWARK TERMINAL** **6700 SMITH AVE** **NEWARK CA 94560**	CONT ALAMEDA

Facility Type: LUST CLEANUP SITE **Rel Desc:**
Status: COMPLETED - CASE CLOSED **Rel Type:**
Site Code: **Rel T Desc:**
Site ID: **Program:**
Record ID: **Case Desc:**
ID Type: **ID Date:**
Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: T0600138629 **Inv Party:**
Fac ID: **Inv P Type:**
Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
68	1 of1	W	0.34 / 1,820.36	19.91 / 1	SERVICE CENTER, CITY OF NEWARK 37440 FILBERT ST. NEWARK CA 94560	CONT ALAMEDA

Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)
Status:
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID:
Fac ID: 01-008-000191
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
69	1 of1	SW	0.35 / 1,838.17	13.59 / -6	INX INTERNATIONAL INK CO. NEWARK CA	PFAS IND

Status:	Unknown	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	-
Fac Derived Huc:	18050003	**EPA Programs:**	-
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014443022027	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	N
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	-	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	69.648	**TRI Reporter:**	-
Fac Pop Den:	2947.43	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	-
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.519794	**Days Last Inspection:**	-
Longitude:	-122.033211		

Fac Derived Tribes: -
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: -
RCRA Permit Types: -
RCRA NAICS: -
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

SDWA Snc Flag: N
Fac Collection Meth: UNKNOWN
EJSCREEN Flag Us: Y
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.033211,%22y%22:37.519794,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110018955335

Industry: Chemical Mfg

70	1 of1	ESE	0.35 / 1,848.42	21.70 / 3	FERMA GREENBOX INC 6655 A SMITH AVE STE C NEWARK CA 94560	INSP COMP ENF

EPA ID: CAR000273680
County: ALAMEDA
Geotracker Address:
Geotracker Lat:
Geotracker City:
Geotracker Long:
Report URL: https://www.envirostor.dtsc.ca.gov/public/eerp_profile_report?global_id=3004335

Inspection Information

Inspection Type: Compliance Evaluation Inspection - Transporter
Violations: Class 1
Inspection Date: 6/18/2021
Return to Compliance: 6/30/2021
Report Sent Date: 7/8/2021

Enforcement Information (ENVIROSTOR ICE Sites Data Download)

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 5/2/2022

Site Details (Download)

Envirostor ID: 3004335
Status: No Action
Site Type: INSPECTION

71	1 of2	E	0.35 / 1,865.86	20.81 / 2	AHG Group LLC 6587 SMITH AVE NEWARK CA 94560	DELISTED HAZ

Siteid: 384338
Latitude: 37.524203
Longitude: -122.019235
Original Source: CHAZ
Record Date: 09-JUL-2018

71	2 of2	E	0.35 / 1,865.86	20.81 / 2	WESTERN PACIFIC PULP AND PAPER 6587 SMITH AVE NEWARK CA 94560	C&D DEBRIS RECY

County: ALAMEDA

Activity Type: PAPER STOCK PROCESSING
Phone No: (510) 494-2060

72	1 of1	E	0.36 / 1,875.40	21.02 / 2	OATEY CO NEWARK CA	PFAS IND

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011017	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	94560TYCMP6600S
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	70.712	**TRI Reporter:**	-
Fac Pop Den:	4166.27	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.52327	**Days Last Inspection:**	-
Longitude:	-122.01992		

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	CAD981453772
RCRA Permit Types:	LQG
RCRA NAICS:	49311
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.01992,%22y%22:37.52327,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110000483352

Industry: Plastics and Resins

73	1 of1	SW	0.36 / 1,898.39	15.57 / -4	NEWARK EVAPORATION PONDS ALAMEDA COUNTY NEWARK CA 94560	MRDS

Dep ID:	10256187	**I1:**	25
Dev Status:	PRODUCER	**Latitude:**	37.518921
Code List:	NA_S	**Longitude:**	-122.031799
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10256187		

Commodity

I1:	15	**Line:**	1
Code:	NA_S	**Inserted By:**	MAS migration
Commodity:	Salt	**Insert Date:**	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic	**Updated By:**	USGS
Commodity Group:	Sodium	**Update Date:**	29-OCT-2002 09:02:17
Importance:	Primary		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Names

I1:	23	***Inserted By:***	MAS migration
Status:	Current	***Insert Date:***	29-OCT-02
Site Name:	Newark Evaporation Ponds	***Updated By:***	USGS
Line:	1	***Update Date:***	29-OCT-02

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74 | ***1 of14*** | ***ESE*** | ***0.38 / 1,984.88*** | ***21.03 / 2*** | ***EVERGREEN OIL INC.***
6880 SMITH ST.
NEWARK CA 94560 | ***CERCLIS***

Site ID:	0904289	***RNPL Status Code:***	N
Site EPA ID:	CAD980887418	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	ALAMEDA	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06001	***USGS Hydro Unit No.:***	18050003
Region Code:	09	***Site Cong. Dist. Code:***	10
Site SMSA No.:	7360	***ROT Desc:***	Private
Site Prim. Latitude:	37D31M48S	***FR NPL Update No.:***	
Site Prim. Longitude:	122D02M12S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	3/31/1992 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	10/3/1991 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Short Name:		**AGT Order No.:**	0
RAT Name:		**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:		**SH Seq:**	
RAT Level:		**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	No alias data available		

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA In-House
Act Code ID:	001	**Act Start Date:**	
RAT Code:	VS	**Act Complete Date:**	1/23/1996 00:00:00
RAT Short Name:	ARCH SITE	**AGT Order No.:**	1500
RAT Name:	ARCHIVE SITE	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		
RAT Def:	The decision is made that no further activity is planned at the site.		
Site Desc:			
Site Alias:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
74	2 of14	ESE	0.38 / 1,984.88	21.03 / 2	EVERGREEN OIL INC. 6880 SMITH ST. NEWARK CA 94560	CERCLIS NFRAP

Site ID:	904289	**Site FIPS Code:**	6001
Site EPA ID:	CAD980887418	**Region Code:**	9
Site Parent ID:		**Site Cong. Dist. Code:**	10
Site County Name:	ALAMEDA	**Federal Facility:**	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	3/31/1992
RAT Code:	PA	**AGT Order No.:**	130
RAT Short Name:	PA	**SH OU:**	
RAT Name:	PRELIMINARY ASSESSMENT	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:	P	**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	Deferred to RCRA
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N
RAT Def:	Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	10/3/1991
RAT Code:	DS	**AGT Order No.:**	10
RAT Short Name:	DISCVRY	**SH OU:**	
RAT Name:	DISCOVERY	**SH Code:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA Fund	**RNPL Status Code:**	N

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	**Act Start Date:**	
Act Code ID:	1	**Act Complete Date:**	1/23/1996
RAT Code:	VS	**AGT Order No.:**	1500
RAT Short Name:	ARCH SITE	**SH OU:**	
RAT Name:	ARCHIVE SITE	**SH Code:**	
RAT Hist. Only Flag:		**SH Seq:**	
RAT NSI Indicator:	B	**SH Start Date:**	
RAT Level:	1	**SH Complete Date:**	
RAT DEF OU:	00	**SH Lead:**	
RFBS Code:		**SH Qual:**	
SPA Code:	13	**RAQ Act. Qual Short:**	
RALT Short Name:	EPA In-House	**RNPL Status Code:**	N

RAT Def: The decision is made that no further activity is planned at the site.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

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74	3 of14	ESE	0.38 / 1,984.88	21.03 / 2	**SAFETY-KLEEN OF CALIFORNIA INC** **6880 SMITH AVE** **NEWARK CA 94560-0000**	RCRA TSD

EPA Handler ID:	CAD980887418
Gen Status Universe:	Large Quantity Generator
Contact Name:	ANTONIO RICHMOND
Contact Address:	6880 , SMITH AVE , , NEWARK , CA, 94560-0000 , US
Contact Phone No and Ext:	678-386-7337
Contact Email:	ANTONIO.RICHMOND@SAFETY-KLEEN.COM
Contact Country:	US
Land Type:	Private
County Name:	ALAMEDA
EPA Region:	09
Receive Date:	20230216
Location Latitude:	37.521551
Location Longitude:	-122.021319

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	State Statute or Regulation
Violation Type:	XXS
Violation Determined Date:	20220831
Scheduled Compliance Date:	
Return to Compliance:	Observed
Actual Return to Compl:	20220831
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220906
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20221021
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20220831
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20221213
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20221021
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220906
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20211109
Scheduled Compliance Date:
Return to Compliance: Documented

Actual Return to Compl: 20220201
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220113
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20220113
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20190910
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210408
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 312
Enforcement Type Description:
Enforcement Action Date: 20220927
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 73200
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 20190910
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210408
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 312
Enforcement Type Description:
Enforcement Action Date: 20220927
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 73200
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Conditions
Violation Type: 270.C
Violation Determined Date: 20190910
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210408
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 312
Enforcement Type Description:
Enforcement Action Date: 20220927
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 73200
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190419
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210903
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State

Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190517
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190419
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20190614
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190517
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190419
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20190531
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190517
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190315
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20190315
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190315
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190315
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Changes
Violation Type: 270.D
Violation Determined Date: 20180619
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180718
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20180724
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20180626
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20180619
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180712
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20180724
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20180626
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20180619
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180816
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20180724
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL

Enforcement Action Date: 20180626
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20170407
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20170330
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Preparedness and Prevention
Violation Type: 264.C
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180406
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 20190128
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20170330
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20180323
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20170330
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 20190128
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20170907
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263

Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 20190128
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20160421
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:

Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20160824
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20160503
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - Prohibitions
Violation Type: 268.C
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20160421
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150820
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State

Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150629
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150811
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:

Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Air Emission Standards - Process Vents
Violation Type: 264.AA
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150904
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150904
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150702
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Observed

Actual Return to Compl: 20150629
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150904
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation

Violation Type: XXS
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20151004
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20140508
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20140519
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20140519
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20140521
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 20140508
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20140519
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20140521
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20140519
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20111213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20121217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20121217
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 10000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20120216
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20120216
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20110529
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20110828
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20110803
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20110627
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20101028
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20110128
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20101230
Enf Disposition Status:

Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20110721
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 7000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20101203
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20100222
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20100722
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20101005
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 6500
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100311
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20100423
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20090623
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20090826
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20100211
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 23000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20090730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20090827
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20080625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20090612
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20080721

Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20081009
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20090612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 6000
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 20070613
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20071114
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20071018
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20080624
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20070628
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State

Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 20060627
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20060807
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20060719
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20061108
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20050621
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20060605
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20060605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 9000
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:

Enforcement Action Date: 20050929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20050812
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Application
Violation Type: 270.B
Violation Determined Date: 20050621
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20060605
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20050929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20050812
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20060605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 9000
Paid Amount:

Violation Details

Found Violation: Yes

Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20040602
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20040609
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20040917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040609
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20040602
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20040609
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040609
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20040917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 20030724
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20030820
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20030730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20030730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20010626
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010726
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010627
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20010213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010226
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010223
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010502
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20020307
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 15000
Paid Amount:

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20011213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 29000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 20010213
Scheduled Compliance Date:

Return to Compliance: Documented
Actual Return to Compl: 20010226
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010502
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010223
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20010213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010226
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20011213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 29000
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010502
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010223
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20020307
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 15000
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Preparedness and Prevention
Violation Type: 264.C
Violation Determined Date: 19991206
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 19991213
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19991206
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20000327
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Transporters - Manifest System and Recordkeeping
Violation Type: 263.B
Violation Determined Date: 19990517
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 19990517
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120

Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19990714
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20000327
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.370-383.P
Violation Short Description: TSD IS-Thermal Treatment
Violation Type: 265.P
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.400-406.Q
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19971215
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.70-77.E
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19970616
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19970616
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19970113
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19970113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19951031
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 19970612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19951031
Scheduled Compliance Date: 19951117
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 19951101

Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 50000
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19951031
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 19970612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 19951101
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 50000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date: 19950915
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950829
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 19951101
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 50000
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 19970612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date: 19950915
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950829
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19941212
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19941212
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.400-406.Q
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19941212
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19950829

Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 19940204
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 19940204
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 268.7
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 19940204
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 19930916
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20001218
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125

Enforcement Type Description:
Enforcement Action Date: 19941212
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 610
Enforcement Type Description: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20001218
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 825000
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 264.170-177.I
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19930225
Scheduled Compliance Date: 19930710
Return to Compliance: Observed
Actual Return to Compl: 19930916
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19930305
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920403
Scheduled Compliance Date: 19920709
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920409
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920403
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19931026
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 264.30-37.C
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19920403
Scheduled Compliance Date: 19920709
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920409
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes

Citation: FR - 264.30-37.C
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19920403
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19931026
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 268.7
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19910810
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19911105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19910923
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20221213
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220920
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220831
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220831
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20220831
Evaluation Agency: State

Evaluation Start Date: 20220831
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20221213
Evaluation Agency: State

Evaluation Start Date: 20220201
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211130
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211109
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211109
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211109
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20220201
Evaluation Agency: State

Evaluation Start Date: 20210903
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20210224
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Permits - Conditions
Return to Compliance Date: 20210408
Evaluation Agency: EPA

Evaluation Start Date: 20190910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20210408
Evaluation Agency: EPA

Evaluation Start Date: 20190910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: Generators - General
Return to Compliance Date: 20210408
Evaluation Agency: EPA

Evaluation Start Date: 20190425
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20190614
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20210903
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20190531
Evaluation Agency: State

Evaluation Start Date: 20190315
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20190315
Evaluation Agency: State

Evaluation Start Date: 20180718
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180711
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Permits - Changes
Return to Compliance Date: 20180718
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20180816
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20180712
Evaluation Agency: State

Evaluation Start Date: 20180406
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20170330
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20180323
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20170330
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20170407
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20170330
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20170907
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 20180406
Evaluation Agency: State

Evaluation Start Date: 20160502
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: Generators - General
Return to Compliance Date: 20160421
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 20160503
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - Prohibitions
Return to Compliance Date: 20160421
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20160824
Evaluation Agency: State

Evaluation Start Date: 20150915
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20150629
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20150811
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20150904
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20150904
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20150629
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20151004
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 20150702
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Air Emission Standards - Process Vents
Return to Compliance Date: 20150904
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20150820
Evaluation Agency: State

Evaluation Start Date: 20140612
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20140508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 20140519
Evaluation Agency: State

Evaluation Start Date: 20140508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20140519
Evaluation Agency: State

Evaluation Start Date: 20140127
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20140113
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20131024
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20130904
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20130625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20120531
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 20120524
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20111213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20121217
Evaluation Agency: State

Evaluation Start Date: 20110529
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20110828
Evaluation Agency: State

Evaluation Start Date: 20101028
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20110128
Evaluation Agency: State

Evaluation Start Date: 20101026
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100224
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100222
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20100722
Evaluation Agency: State

Evaluation Start Date: 20090826
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20090623
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20090623
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20090826
Evaluation Agency: State

Evaluation Start Date: 20090612
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20090611
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20080625
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20080625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20090612
Evaluation Agency: State

Evaluation Start Date: 20080618
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070615
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070613
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 20071114
Evaluation Agency: State

Evaluation Start Date: 20061109
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060922
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA Contractor/Grantee

Evaluation Start Date: 20060627
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20060807
Evaluation Agency: State

Evaluation Start Date: 20050629
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20060605
Evaluation Agency: State

Evaluation Start Date: 20050621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Permits - Application
Return to Compliance Date: 20060605
Evaluation Agency: State

Evaluation Start Date: 20040628
Evaluation Type Description: FINANCIAL RECORD REVIEW

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20040602
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20040609
Evaluation Agency: State

Evaluation Start Date: 20040602
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20040609
Evaluation Agency: State

Evaluation Start Date: 20030724
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 20030820
Evaluation Agency: State

Evaluation Start Date: 20030424
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20010626
Evaluation Type Description: FOLLOW-UP INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20010726
Evaluation Agency: State

Evaluation Start Date: 20010423
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20010213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20010226
Evaluation Agency: State

Evaluation Start Date: 20010213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20010226
Evaluation Agency: State

Evaluation Start Date: 20010213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20010226
Evaluation Agency: State

Evaluation Start Date: 19991206
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 19991213
Evaluation Agency: State

Evaluation Start Date: 19991014
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990517
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Transporters - Manifest System and Recordkeeping
Return to Compliance Date: 19990517
Evaluation Agency: State

Evaluation Start Date: 19980629
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Thermal Treatment
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19980629
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19980629
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19970616
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19980113
Evaluation Agency: State

Evaluation Start Date: 19970616
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19970113
Evaluation Agency: State

Evaluation Start Date: 19950829
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19941102
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 19950829
Evaluation Agency: State

Evaluation Start Date: 19941102
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20001218
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19940204
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: LDR - General
Return to Compliance Date: 19940204
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19940204
Evaluation Agency: State

Evaluation Start Date: 19930121
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19930916
Evaluation Agency: State

Evaluation Start Date: 19930107
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920225
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19930121
Evaluation Agency: State

Evaluation Start Date: 19920225
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19930121
Evaluation Agency: State

Evaluation Start Date: 19910711
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19911105
Evaluation Agency: EPA

Evaluation Start Date: 19860917
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: Yes
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: Yes
Used Oil Burner: No
Used Oil Market Burner: Yes

Used Oil Spec Marketer: Yes

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920227
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19931115
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19940317
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19960327
Handler Name: EVERGREEN OIL, INCORPORATED
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19961105
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification
TSD Activity: N

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20001012
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20020227
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20040325
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20060228

Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20080328
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002

Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100802
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code:	172
Waste Code Description:	Metal dust (see 121) and machining waste
Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	212
Waste Code Description:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Hazardous Waste Code:	213
Waste Code Description:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Hazardous Waste Code:	214
Waste Code Description:	Unspecified solvent mixture
Hazardous Waste Code:	221
Waste Code Description:	Waste oil and mixed oil
Hazardous Waste Code:	222
Waste Code Description:	Oil/water separation sludge
Hazardous Waste Code:	223
Waste Code Description:	Unspecified oil-containing waste
Hazardous Waste Code:	241
Waste Code Description:	Tank bottom waste
Hazardous Waste Code:	261
Waste Code Description:	Polychlorinated biphenyls and material containing PCB's
Hazardous Waste Code:	291
Waste Code Description:	Latex waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	343
Waste Code Description:	Unspecified organic liquid mixture
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	512
Waste Code Description:	Other empty containers 30 gallons or more
Hazardous Waste Code:	513
Waste Code Description:	Empty containers less than 30 gallons
Hazardous Waste Code:	551
Waste Code Description:	Laboratory waste chemicals
Hazardous Waste Code:	612
Waste Code Description:	Household waste
Hazardous Waste Code:	721
Waste Code Description:	Liquids with arsenic > 500 mg/l
Hazardous Waste Code:	741
Waste Code Description:	Liquids with halogenated organic compounds > 1000 mg/l
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	792
Waste Code Description:	Liquids with pH < 2 with metals
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004

Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20130314
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE

SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20140301
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D021
Waste Code Description: CHLOROBENZENE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code:	P105
Waste Code Description:	SODIUM AZIDE
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U041
Waste Code Description:	EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-
Hazardous Waste Code:	U056
Waste Code Description:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
Hazardous Waste Code:	U057
Waste Code Description:	CYCLOHEXANONE (I)
Hazardous Waste Code:	U070
Waste Code Description:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
Hazardous Waste Code:	U071
Waste Code Description:	BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
Hazardous Waste Code:	U072
Waste Code Description:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
Hazardous Waste Code:	U080
Waste Code Description:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
Hazardous Waste Code:	U112
Waste Code Description:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
Hazardous Waste Code:	U122
Waste Code Description:	FORMALDEHYDE
Hazardous Waste Code:	U154
Waste Code Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Hazardous Waste Code:	U159
Waste Code Description:	2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
Hazardous Waste Code:	U165
Waste Code Description:	NAPHTHALENE
Hazardous Waste Code:	U188
Waste Code Description:	PHENOL
Hazardous Waste Code:	U196
Waste Code Description:	PYRIDINE
Hazardous Waste Code:	U211
Waste Code Description:	CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-
Hazardous Waste Code:	U220
Waste Code Description:	BENZENE, METHYL- (OR) TOLUENE
Hazardous Waste Code:	U228
Waste Code Description:	ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
Hazardous Waste Code:	U239
Waste Code Description:	BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20150720
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code:	241
Waste Code Description:	Tank bottom waste
Hazardous Waste Code:	251
Waste Code Description:	Still bottoms with halogenated organics
Hazardous Waste Code:	252
Waste Code Description:	Other still bottom waste
Hazardous Waste Code:	261
Waste Code Description:	Polychlorinated biphenyls and material containing PCB's
Hazardous Waste Code:	272
Waste Code Description:	Polymeric resin waste
Hazardous Waste Code:	281
Waste Code Description:	Adhesives
Hazardous Waste Code:	291
Waste Code Description:	Latex waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	341
Waste Code Description:	Organic liquids (nonsolvents) with halogens
Hazardous Waste Code:	342
Waste Code Description:	Organic liquids with metals (see 121)
Hazardous Waste Code:	343
Waste Code Description:	Unspecified organic liquid mixture
Hazardous Waste Code:	351
Waste Code Description:	Organic solids with halogens
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	451
Waste Code Description:	Degreasing sludge
Hazardous Waste Code:	461
Waste Code Description:	Degreasing sludge
Hazardous Waste Code:	491
Waste Code Description:	Unspecified sludge waste
Hazardous Waste Code:	511
Waste Code Description:	Empty pesticide containers 30 gallons or more
Hazardous Waste Code:	512
Waste Code Description:	Other empty containers 30 gallons or more
Hazardous Waste Code:	513
Waste Code Description:	Empty containers less than 30 gallons
Hazardous Waste Code:	551
Waste Code Description:	Laboratory waste chemicals
Hazardous Waste Code:	611
Waste Code Description:	Contaminated soil from site clean-ups
Hazardous Waste Code:	612
Waste Code Description:	Household waste
Hazardous Waste Code:	721
Waste Code Description:	Liquids with arsenic > 500 mg/l

Hazardous Waste Code:	722
Waste Code Description:	Liquids with cadmium > 100 mg/l
Hazardous Waste Code:	723
Waste Code Description:	Liquids with chromium (VI) > 500 mg/l
Hazardous Waste Code:	724
Waste Code Description:	Liquids with lead > 500 mg/l
Hazardous Waste Code:	725
Waste Code Description:	Liquids with mercury > 20 mg/l
Hazardous Waste Code:	726
Waste Code Description:	Liquids with nickel > 134 mg/l
Hazardous Waste Code:	727
Waste Code Description:	Liquids with selenium > 100 mg/l
Hazardous Waste Code:	728
Waste Code Description:	Liquids with thallium > 130 mg/l
Hazardous Waste Code:	741
Waste Code Description:	Liquids with halogenated organic compounds > 1000 mg/l
Hazardous Waste Code:	751
Waste Code Description:	Solids or sludge with halogenated organic comp. > 1000 mg/kg
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	792
Waste Code Description:	Liquids with pH < 2 with metals
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D006
Waste Code Description:	CADMIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON

DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068

Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U012
Waste Code Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U041
Waste Code Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080

Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20160301
Handler Name: SAFETY-KLEEN OF CALIFORNIA
Federal Waste Generator Code: 1

Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 162
Waste Code Description: Other spent catalyst

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 731
Waste Code Description: Liquids with polychlorinated biphenyls > 50 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D021
Waste Code Description: CHLOROBENZENE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U041
Waste Code Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U159
Waste Code Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20180213
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code:	723
Waste Code Description:	Liquids with chromium (VI) > 500 mg/l
Hazardous Waste Code:	724
Waste Code Description:	Liquids with lead > 500 mg/l
Hazardous Waste Code:	725
Waste Code Description:	Liquids with mercury > 20 mg/l
Hazardous Waste Code:	726
Waste Code Description:	Liquids with nickel > 134 mg/l
Hazardous Waste Code:	727
Waste Code Description:	Liquids with selenium > 100 mg/l
Hazardous Waste Code:	728
Waste Code Description:	Liquids with thallium > 130 mg/l
Hazardous Waste Code:	741
Waste Code Description:	Liquids with halogenated organic compounds > 1000 mg/l
Hazardous Waste Code:	751
Waste Code Description:	Solids or sludge with halogenated organic comp. > 1000 mg/kg
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	792
Waste Code Description:	Liquids with pH < 2 with metals
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D006
Waste Code Description:	CADMIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	D019
Waste Code Description:	CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY

VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068
Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U012
Waste Code Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20200218
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121

Waste Code Description:	Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Hazardous Waste Code:	122
Waste Code Description:	Alkaline solution without metals (pH > 12.5)
Hazardous Waste Code:	123
Waste Code Description:	Unspecified alkaline solution
Hazardous Waste Code:	132
Waste Code Description:	Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
Hazardous Waste Code:	133
Waste Code Description:	Aqueous solution with 10% or more total organic residues
Hazardous Waste Code:	134
Waste Code Description:	Aqueous solution with <10% total organic residues
Hazardous Waste Code:	135
Waste Code Description:	Unspecified aqueous solution
Hazardous Waste Code:	141
Waste Code Description:	Off-specification, aged, or surplus inorganics
Hazardous Waste Code:	171
Waste Code Description:	Metal sludge (see 121)
Hazardous Waste Code:	172
Waste Code Description:	Metal dust (see 121) and machining waste
Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	212
Waste Code Description:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Hazardous Waste Code:	213
Waste Code Description:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Hazardous Waste Code:	214
Waste Code Description:	Unspecified solvent mixture
Hazardous Waste Code:	221
Waste Code Description:	Waste oil and mixed oil
Hazardous Waste Code:	222
Waste Code Description:	Oil/water separation sludge
Hazardous Waste Code:	223
Waste Code Description:	Unspecified oil-containing waste
Hazardous Waste Code:	231
Waste Code Description:	Pesticide rinse water
Hazardous Waste Code:	241
Waste Code Description:	Tank bottom waste
Hazardous Waste Code:	251
Waste Code Description:	Still bottoms with halogenated organics
Hazardous Waste Code:	252
Waste Code Description:	Other still bottom waste
Hazardous Waste Code:	261
Waste Code Description:	Polychlorinated biphenyls and material containing PCB's
Hazardous Waste Code:	272
Waste Code Description:	Polymeric resin waste

Hazardous Waste Code:	281
Waste Code Description:	Adhesives
Hazardous Waste Code:	291
Waste Code Description:	Latex waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	341
Waste Code Description:	Organic liquids (nonsolvents) with halogens
Hazardous Waste Code:	342
Waste Code Description:	Organic liquids with metals (see 121)
Hazardous Waste Code:	343
Waste Code Description:	Unspecified organic liquid mixture
Hazardous Waste Code:	351
Waste Code Description:	Organic solids with halogens
Hazardous Waste Code:	352
Waste Code Description:	Other organic solids
Hazardous Waste Code:	451
Waste Code Description:	Degreasing sludge
Hazardous Waste Code:	461
Waste Code Description:	Degreasing sludge
Hazardous Waste Code:	491
Waste Code Description:	Unspecified sludge waste
Hazardous Waste Code:	511
Waste Code Description:	Empty pesticide containers 30 gallons or more
Hazardous Waste Code:	512
Waste Code Description:	Other empty containers 30 gallons or more
Hazardous Waste Code:	513
Waste Code Description:	Empty containers less than 30 gallons
Hazardous Waste Code:	551
Waste Code Description:	Laboratory waste chemicals
Hazardous Waste Code:	611
Waste Code Description:	Contaminated soil from site clean-ups
Hazardous Waste Code:	612
Waste Code Description:	Household waste
Hazardous Waste Code:	721
Waste Code Description:	Liquids with arsenic > 500 mg/l
Hazardous Waste Code:	722
Waste Code Description:	Liquids with cadmium > 100 mg/l
Hazardous Waste Code:	723
Waste Code Description:	Liquids with chromium (VI) > 500 mg/l
Hazardous Waste Code:	724
Waste Code Description:	Liquids with lead > 500 mg/l
Hazardous Waste Code:	725
Waste Code Description:	Liquids with mercury > 20 mg/l
Hazardous Waste Code:	726
Waste Code Description:	Liquids with nickel > 134 mg/l

Hazardous Waste Code:	727
Waste Code Description:	Liquids with selenium > 100 mg/l
Hazardous Waste Code:	728
Waste Code Description:	Liquids with thallium > 130 mg/l
Hazardous Waste Code:	741
Waste Code Description:	Liquids with halogenated organic compounds > 1000 mg/l
Hazardous Waste Code:	751
Waste Code Description:	Solids or sludge with halogenated organic comp. > 1000 mg/kg
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	792
Waste Code Description:	Liquids with pH < 2 with metals
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D006
Waste Code Description:	CADMIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	D019
Waste Code Description:	CARBON TETRACHLORIDE
Hazardous Waste Code:	D020
Waste Code Description:	CHLORDANE
Hazardous Waste Code:	D022
Waste Code Description:	CHLOROFORM
Hazardous Waste Code:	D027
Waste Code Description:	1,4-DICHLOROBENZENE
Hazardous Waste Code:	D028
Waste Code Description:	1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE

GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068
Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001

Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U012
Waste Code Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134

Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20210212
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132

Waste Code Description:	Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
Hazardous Waste Code:	133
Waste Code Description:	Aqueous solution with 10% or more total organic residues
Hazardous Waste Code:	134
Waste Code Description:	Aqueous solution with <10% total organic residues
Hazardous Waste Code:	135
Waste Code Description:	Unspecified aqueous solution
Hazardous Waste Code:	141
Waste Code Description:	Off-specification, aged, or surplus inorganics
Hazardous Waste Code:	171
Waste Code Description:	Metal sludge (see 121)
Hazardous Waste Code:	172
Waste Code Description:	Metal dust (see 121) and machining waste
Hazardous Waste Code:	181
Waste Code Description:	Other inorganic solid waste
Hazardous Waste Code:	212
Waste Code Description:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Hazardous Waste Code:	213
Waste Code Description:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Hazardous Waste Code:	214
Waste Code Description:	Unspecified solvent mixture
Hazardous Waste Code:	221
Waste Code Description:	Waste oil and mixed oil
Hazardous Waste Code:	222
Waste Code Description:	Oil/water separation sludge
Hazardous Waste Code:	223
Waste Code Description:	Unspecified oil-containing waste
Hazardous Waste Code:	231
Waste Code Description:	Pesticide rinse water
Hazardous Waste Code:	241
Waste Code Description:	Tank bottom waste
Hazardous Waste Code:	251
Waste Code Description:	Still bottoms with halogenated organics
Hazardous Waste Code:	252
Waste Code Description:	Other still bottom waste
Hazardous Waste Code:	261
Waste Code Description:	Polychlorinated biphenyls and material containing PCB's
Hazardous Waste Code:	272
Waste Code Description:	Polymeric resin waste
Hazardous Waste Code:	281
Waste Code Description:	Adhesives
Hazardous Waste Code:	291
Waste Code Description:	Latex waste
Hazardous Waste Code:	331
Waste Code Description:	Off-specification, aged, or surplus organics
Hazardous Waste Code:	341

Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751

Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036

Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068
Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U007

Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U012
Waste Code Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165

Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 10
Receive Date: 20220211
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135

Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351

Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001

Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001

Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE

ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068
Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U012
Waste Code Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 11
Receive Date: 20230216
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification
TSD Activity: Y

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-

1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code:	K050
Waste Code Description:	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K051
Waste Code Description:	API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K052
Waste Code Description:	TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K157
Waste Code Description:	WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.
Hazardous Waste Code:	P011
Waste Code Description:	ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE
Hazardous Waste Code:	P012
Waste Code Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Hazardous Waste Code:	P022
Waste Code Description:	CARBON DISULFIDE
Hazardous Waste Code:	P029
Waste Code Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
Hazardous Waste Code:	P068
Waste Code Description:	HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
Hazardous Waste Code:	P098
Waste Code Description:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
Hazardous Waste Code:	P105
Waste Code Description:	SODIUM AZIDE
Hazardous Waste Code:	P106
Waste Code Description:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
Hazardous Waste Code:	P120
Waste Code Description:	VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
Hazardous Waste Code:	U001
Waste Code Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U007
Waste Code Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U021
Waste Code Description:	[1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U043
Waste Code Description:	ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: EVERGREEN OIL, INC.
Date Became Current: 19860824
Date Ended Current:
Phone: 510-795-4400
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1: P.O. BOX 248
Street 2:
City: NEWARK
State: CA
Country: US
Zip Code: 94560

Owner/Operator Ind: Current Owner
Type: Private
Name: EVERGREEN OIL, INC
Date Became Current: 19860824
Date Ended Current:
Phone: 510-795-4400
Source Type: Annual/Biennial Report update with Notification
Street No: 6880
Street 1: SMITH AVE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Owner/Operator Ind: Current Operator
Type: Private
Name: SAFETY-KLEEN OF CALIFORNIA
Date Became Current: 20130913
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1:
Street 2:
City:
State:
Country:
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: EVERGREEN OIL INC
Date Became Current:
Date Ended Current:
Phone: 510-795-4401
Source Type: Notification
Street No:
Street 1: 6880 SMITH AVE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Owner/Operator Ind: Current Owner
Type: Private
Name: EVERGREEN OIL, OIL.
Date Became Current: 20130913
Date Ended Current:
Phone: 510-795-4400
Source Type: Annual/Biennial Report update with Notification
Street No: 6880
Street 1: SMITH AVE.
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Owner/Operator Ind: Current Operator
Type: Private
Name: SAFETY KLEEN OF CALIFORNIA
Date Became Current: 20130913
Date Ended Current:
Phone: 510-608-0155
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1: 6880 SMITH AVE
Street 2:
City: NEWARK
State: CA
Country: US
Zip Code: 94560

Owner/Operator Ind: Current Operator
Type: Private
Street No:
Street 1:

Name:	SAFETY-KLEEN OF CALIFORNIA INC	**Street 2:**	
Date Became Current:	19860301	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	19860824	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	19851010	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE
Name:	SAFETY KLEEN OF CALIFORNIA	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560-0000

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	2660
Type:	Private	**Street 1:**	N CENTRAL EXPWY
Name:	SAFETY-KLEEN OF CALIFORNIA INC	**Street 2:**	
Date Became Current:	20130901	**City:**	RICHARD
Date Ended Current:		**State:**	TX
Phone:	972-265-2000	**Country:**	US
Source Type:	Notification	**Zip Code:**	75080

Owner/Operator Ind:	Current Owner	**Street No:**	42
Type:	Private	**Street 1:**	LONGWATER
Name:	CLEAN HARBORS INC	**Street 2:**	
Date Became Current:	20130913	**City:**	NORWELL
Date Ended Current:		**State:**	MA
Phone:	510-795-4400	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	02061

Owner/Operator Ind:	Current Owner	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, OIL.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE
Name:	EVERGREEN OIL, INC	**Street 2:**	
Date Became Current:	19851010	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE
Name:	CLEAN HARBORS, INC	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	6880 SMITH AVE
Name:	CLEAN HARBORS INC	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-608-0155	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	P.O. BOX 248
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	19851010	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	94560

Historical Handler Details

Receive Dt:	20220211
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20210212
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20200218
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20180213
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20160301
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA

Receive Dt:	20150720
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20140301
Generator Code Description:	Large Quantity Generator
Handler Name:	EVERGREEN OIL, INC.

Receive Dt:	20130314
Generator Code Description:	Large Quantity Generator
Handler Name:	EVERGREEN OIL, INC.

Receive Dt:	20100802

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20080328
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20060228
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20040325
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20020227
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 19961105
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

Receive Dt: 19960327
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INCORPORATED

Receive Dt: 19940317
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 19931115
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

Receive Dt: 19920227
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

74	4 of14	ESE	0.38 / 1,984.88	21.03 / 2	SAFETY-KLEEN OF CALIFORNIA INC 6880 SMITH AVE NEWARK CA 94560-0000	RCRA CORRACTS

EPA Handler ID: CAD980887418
Gen Status Universe: Large Quantity Generator
Contact Name: ANTONIO RICHMOND
Contact Address: 6880 , SMITH AVE , , NEWARK , CA, 94560-0000 , US
Contact Phone No and Ext: 678-386-7337
Contact Email: ANTONIO.RICHMOND@SAFETY-KLEEN.COM
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type: Private
Receive Date: 20230216
Location Latitude: 37.521551
Location Longitude: -122.021319

Event/Area Details

Area Name: ENTIRE FACILITY
Event Code: CA190
Corrective Action Event Descri: INVESTIGATION REPORT RECEIVED

Actual Date of Event:	20150129
Orig Sched Event Date:	20141030
New Sched Event Date:	20150130
Best Date:	20150129
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA750YE
Corrective Action Event Descri:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event:	20110926
Orig Sched Event Date:	20110926
New Sched Event Date:	
Best Date:	20110926
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA110
Corrective Action Event Descri:	INVESTIGATION WORKPLAN RECEIVED
Actual Date of Event:	20130725
Orig Sched Event Date:	20130830
New Sched Event Date:	
Best Date:	20130725
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA120
Corrective Action Event Descri:	INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Actual Date of Event:	20130812
Orig Sched Event Date:	20130824
New Sched Event Date:	
Best Date:	20130812
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA200
Corrective Action Event Descri:	INVESTIGATION COMPLETE
Actual Date of Event:	20140910
Orig Sched Event Date:	20140914
New Sched Event Date:	
Best Date:	20140910
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	S

Area Name:	ENTIRE FACILITY
Event Code:	CA200
Corrective Action Event Descri:	INVESTIGATION COMPLETE
Actual Date of Event:	20140410
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20140410

Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 20161121
Orig Sched Event Date: 20161119
New Sched Event Date:
Best Date: 20161121
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA190
Corrective Action Event Descri: INVESTIGATION REPORT RECEIVED
Actual Date of Event: 20160125
Orig Sched Event Date: 20160130
New Sched Event Date:
Best Date: 20160125
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name:
Event Code: CA050PA
Corrective Action Event Descri: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS
Actual Date of Event: 19920326
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19920326
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA120
Corrective Action Event Descri: INVESTIGATION WORKPLAN MODIFICATION REQ BY AGENCY
Actual Date of Event: 20130228
Orig Sched Event Date: 20130302
New Sched Event Date:
Best Date: 20130228
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name:
Event Code: CA750YE
Corrective Action Event Descri: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20100714
Orig Sched Event Date: 20100714
New Sched Event Date:
Best Date: 20100714
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:

Event Responsible Agency: E

Area Name:
Event Code: CA050RF
Corrective Action Event Descri: RFA COMPLETED-ASSESSMENT WAS A RFA
Actual Date of Event: 19930401
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19930401
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name:
Event Code: CA050RF
Corrective Action Event Descri: RFA COMPLETED-ASSESSMENT WAS A RFA
Actual Date of Event: 20040520
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20040520
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name:
Event Code: CA029ST
Corrective Action Event Descri: LEAD AGENCY DETERMINATION
Actual Date of Event: 19900101
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19900101
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA225NR
Corrective Action Event Descri: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION
Actual Date of Event: 19920420
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19920420
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA725YE
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20100714
Orig Sched Event Date: 20100714
New Sched Event Date:
Best Date: 20100714
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA075LO

Corrective Action Event Descri: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date of Event: 19920326
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19920326
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA550RC
Corrective Action Event Descri: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date of Event: 20100714
Orig Sched Event Date: 20100714
New Sched Event Date:
Best Date: 20100714
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA100
Corrective Action Event Descri: INVESTIGATION IMPOSITION
Actual Date of Event: 20041122
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20041122
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name:
Event Code: CA075LO
Corrective Action Event Descri: CA PRIORITIZATION-LOW CA PRIORITY
Actual Date of Event: 19920420
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19920420
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA029ST
Corrective Action Event Descri: LEAD AGENCY DETERMINATION
Actual Date of Event: 19920326
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19920326
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 20150326
Orig Sched Event Date:
New Sched Event Date:

Best Date: 20150326
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA150
Corrective Action Event Descri: INVESTIGATION WORKPLAN APPROVED
Actual Date of Event: 20130905
Orig Sched Event Date: 20140102
New Sched Event Date:
Best Date: 20130905
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA725YE
Corrective Action Event Descri: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event: 20110926
Orig Sched Event Date: 20110926
New Sched Event Date:
Best Date: 20110926
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 20100709
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20100709
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA140
Corrective Action Event Descri: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date of Event: 20130228
Orig Sched Event Date: 20130302
New Sched Event Date:
Best Date: 20130228
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA140
Corrective Action Event Descri: INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Actual Date of Event: 20130812
Orig Sched Event Date: 20130824
New Sched Event Date:
Best Date: 20130812
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:

Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA190
Corrective Action Event Descri: INVESTIGATION REPORT RECEIVED
Actual Date of Event: 20131108
Orig Sched Event Date: 20131230
New Sched Event Date:
Best Date: 20131108
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA160
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Actual Date of Event: 20151005
Orig Sched Event Date: 20151015
New Sched Event Date:
Best Date: 20151005
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA170
Corrective Action Event Descri: INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT
Actual Date of Event: 20160516
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20160516
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA150
Corrective Action Event Descri: INVESTIGATION WORKPLAN APPROVED
Actual Date of Event: 20130813
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20130813
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA190
Corrective Action Event Descri: INVESTIGATION REPORT RECEIVED
Actual Date of Event: 20140521
Orig Sched Event Date: 20140630
New Sched Event Date:
Best Date: 20140521
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY

Event Code: CA190
Corrective Action Event Descri: INVESTIGATION REPORT RECEIVED
Actual Date of Event: 20080730
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20080730
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA190
Corrective Action Event Descri: INVESTIGATION REPORT RECEIVED
Actual Date of Event: 20130729
Orig Sched Event Date: 20130825
New Sched Event Date:
Best Date: 20130729
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA180
Corrective Action Event Descri: INVESTIGATION IMPLEMENTATION BEGUN
Actual Date of Event: 20211122
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20211122
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA200
Corrective Action Event Descri: INVESTIGATION COMPLETE
Actual Date of Event: 20140225
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20140225
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA150
Corrective Action Event Descri: INVESTIGATION WORKPLAN APPROVED
Actual Date of Event: 20050921
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20050921
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA550RC
Corrective Action Event Descri: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Actual Date of Event: 20110926
Orig Sched Event Date: 20110926

New Sched Event Date:
Best Date: 20110926
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name: ENTIRE FACILITY
Event Code: CA110
Corrective Action Event Descri: INVESTIGATION WORKPLAN RECEIVED
Actual Date of Event: 20130131
Orig Sched Event Date: 20130425
New Sched Event Date:
Best Date: 20130131
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20220831
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20221213
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20221021
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220906
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:

Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20220831
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20220831
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20221021
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220906
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20211109
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20220201
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220113
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20220113
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20190910
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210408
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 312
Enforcement Type Description:
Enforcement Action Date: 20220927
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 73200
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 20190910
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210408
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 312
Enforcement Type Description:
Enforcement Action Date: 20220927
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 73200
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Conditions
Violation Type: 270.C
Violation Determined Date: 20190910
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210408
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 312

Enforcement Type Description:
Enforcement Action Date: 20220927
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount: 73200
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190419
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20190614
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190517
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190419
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20210903
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190517
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190419
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20190531
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20190517
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20190315
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20190315
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20190315
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL

Enforcement Action Date: 20190315
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Changes
Violation Type: 270.D
Violation Determined Date: 20180619
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180718
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20180724
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20180626
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20180619
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180816
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20180626
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20180724
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20180619
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180712
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20180724
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20180626
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Documented

Actual Return to Compl: 20170407
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20170330
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Preparedness and Prevention

Violation Type: 264.C
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20180406
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 20190128
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 20170314
Scheduled Compliance Date:

Return to Compliance: Observed
Actual Return to Compl: 20170330
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20170907
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 20190128
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20170330
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 20190128
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20170314
Scheduled Compliance Date:
Return to Compliance: Not Resolvable
Actual Return to Compl: 20180323
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 263
Enforcement Type Description: INJUNCTIVE RELIEF
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20170330
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20170511
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 510

Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20210929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20160421
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20160824
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20160503
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: LDR - Prohibitions
Violation Type: 268.C
Violation Determined Date: 20160412
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20160421
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20160421

Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20160614
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150820
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150629
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150811
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Air Emission Standards - Process Vents
Violation Type: 264.AA
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150904

Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150904
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D

Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150702
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20150629
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20150904
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20150625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20151004
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20150730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20150826
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20140508
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20140519
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20140521
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20140519
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 20140508
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20140519
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20140521
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20140519
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20111213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20121217
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20120216
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20121217
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 10000
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20120216
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20110529
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20110828
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125

Enforcement Type Description:
Enforcement Action Date: 20110803
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20110627
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20101028
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20110128
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20101230
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20110721
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 7000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20101203
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20100222
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20100722
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20100423
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20100311
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20101005
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 6500
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20090623
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20090826
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20100211
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 23000
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20090827
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20090730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: State Statute or Regulation
Violation Type: XXS
Violation Determined Date: 20080625
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20090612
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20081009
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20090612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 6000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20080721
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 20070613
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20071114
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20070628
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20080624
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 8000
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20071018
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 20060627
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20060807
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20061108
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20060719
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20050621
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20060605
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20050812
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20050929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20060605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 9000
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Permits - Application
Violation Type: 270.B
Violation Determined Date: 20050621
Scheduled Compliance Date:

Return to Compliance: Documented
Actual Return to Compl: 20060605
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20050929
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20050812
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 385
Enforcement Type Description: SINGLE SITE CA/FO
Enforcement Action Date: 20060605
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 9000
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20040602
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20040609
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040609
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20040917
Enf Disposition Status:
Disposition Status Date:

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20040602
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20040609
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20040609
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20040917
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 20030724
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20030820
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20030730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125

Enforcement Type Description:
Enforcement Action Date: 20030730
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20010626
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010726
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010627
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010814
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 20010213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010226
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20011213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 29000

Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010223
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20020307
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 15000
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010502
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 20010213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010226
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010223
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010502
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 20010213
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010226
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 20020307
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 15000
Paid Amount:

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20010502
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010223
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 210
Enforcement Type Description: INITIAL 3008(A) COMPLIANCE
Enforcement Action Date: 20011213
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 29000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Preparedness and Prevention
Violation Type: 264.C
Violation Determined Date: 19991206
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 19991213
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20000327
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19991206
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Transporters - Manifest System and Recordkeeping
Violation Type: 263.B
Violation Determined Date: 19990517
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 19990517
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 20000327
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19990714
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19980629

Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.370-383.P
Violation Short Description: TSD IS-Thermal Treatment
Violation Type: 265.P
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.400-406.Q
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19980629
Scheduled Compliance Date: 19981015
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19981015
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19971215
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19970616
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.70-77.E
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19970616
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19980113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19970113
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19970113
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19971215
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes

Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19951031
Scheduled Compliance Date: 19951117
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19951031
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 19951101
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 50000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19951031
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 19970612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date: 19950915
Return to Compliance: Observed

Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950829
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 19970612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 19951101
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 50000
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 410
Enforcement Type Description: REFERRAL TO ATTORNEY GENERAL
Enforcement Action Date: 19951101
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount: 50000
Final Amount:
Paid Amount:

Enforcement Type: 510
Enforcement Type Description: INITIAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 19970612
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19950831
Scheduled Compliance Date: 19950915
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19950829
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19941212
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State

Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19941212
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.400-406.Q
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Violation Type: 265.Q
Violation Determined Date: 19941212
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19950829
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 19940204
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 264.10-18.B
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 20001220
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: F - 270
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 19940204
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 268.7
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19931222
Scheduled Compliance Date: 19940129
Return to Compliance: Observed
Actual Return to Compl: 19940204
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19931228
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 19930916
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20001218
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 125
Enforcement Type Description:
Enforcement Action Date: 19941212
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 610
Enforcement Type Description: FINAL CIVIL JUDICIAL ACTION FOR COMPLIANCE AND/OR MONETARY PENALTY
Enforcement Action Date: 20001218
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount: 825000
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19941220
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 264.170-177.I
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19930225
Scheduled Compliance Date: 19930710
Return to Compliance: Observed
Actual Return to Compl: 19930916
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19930305
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920403
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19931026
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 262.50-60
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 19920403
Scheduled Compliance Date: 19920709
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920409
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 264.30-37.C
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19920403
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19931026
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: FR - 264.30-37.C
Violation Short Description: TSD - General
Violation Type: 264.A
Violation Determined Date: 19920403
Scheduled Compliance Date: 19920709
Return to Compliance: Observed
Actual Return to Compl: 19930121
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19920409
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes

Citation: FR - 268.7
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19910810
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19911105
Violation Responsible Agency: EPA

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19910923
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: EPA
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20221213
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220920
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220831
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20220831
Evaluation Agency: State

Evaluation Start Date: 20220831
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20221213
Evaluation Agency: State

Evaluation Start Date: 20220831
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220201
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211130
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211109
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION

Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20211109
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20220201
Evaluation Agency: State

Evaluation Start Date: 20211109
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20210903
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20210224
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Permits - Conditions
Return to Compliance Date: 20210408
Evaluation Agency: EPA

Evaluation Start Date: 20190910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20210408
Evaluation Agency: EPA

Evaluation Start Date: 20190910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20210408
Evaluation Agency: EPA

Evaluation Start Date: 20190425
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20190614
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20190531
Evaluation Agency: State

Evaluation Start Date: 20190419
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20210903
Evaluation Agency: State

Evaluation Start Date: 20190315
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20190315
Evaluation Agency: State

Evaluation Start Date: 20180718
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180711
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20180816
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20180712
Evaluation Agency: State

Evaluation Start Date: 20180619
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Permits - Changes
Return to Compliance Date: 20180718
Evaluation Agency: State

Evaluation Start Date: 20180406
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20180323
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20170330
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 20180406
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20170330
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20170407
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20170907
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170314
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20170330
Evaluation Agency: State

Evaluation Start Date: 20160502
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - Prohibitions
Return to Compliance Date: 20160421
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 20160503
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20160824
Evaluation Agency: State

Evaluation Start Date: 20160412
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 20160421
Evaluation Agency: State

Evaluation Start Date: 20150915
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20150904
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20150629
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20151004
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Air Emission Standards - Process Vents
Return to Compliance Date: 20150904
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 20150811
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 20150820
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 20150702
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20150904
Evaluation Agency: State

Evaluation Start Date: 20150625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20150629
Evaluation Agency: State

Evaluation Start Date: 20140612
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20140508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20140519
Evaluation Agency: State

Evaluation Start Date: 20140508
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 20140519
Evaluation Agency: State

Evaluation Start Date: 20140127
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20140113
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20131024
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20130904
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20130625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20120531
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA

Evaluation Start Date: 20120524
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20111213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20121217
Evaluation Agency: State

Evaluation Start Date: 20110529
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20110828
Evaluation Agency: State

Evaluation Start Date: 20101028
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20110128
Evaluation Agency: State

Evaluation Start Date: 20101026
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100224
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100222
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20100722
Evaluation Agency: State

Evaluation Start Date: 20090826
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20090623
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20090826
Evaluation Agency: State

Evaluation Start Date: 20090623
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20090612
Evaluation Type Description: NO LONGER A SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20090611
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20080625
Evaluation Type Description: SIGNIFICANT NON-COMPLIER
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20080625
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: State Statute or Regulation
Return to Compliance Date: 20090612
Evaluation Agency: State

Evaluation Start Date: 20080618
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070615
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070613
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 20071114
Evaluation Agency: State

Evaluation Start Date: 20061109
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060922
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: EPA Contractor/Grantee

Evaluation Start Date: 20060627
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20060807
Evaluation Agency: State

Evaluation Start Date: 20050629
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20060605
Evaluation Agency: State

Evaluation Start Date: 20050621
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Permits - Application
Return to Compliance Date: 20060605
Evaluation Agency: State

Evaluation Start Date: 20040628
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20040602
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20040609
Evaluation Agency: State

Evaluation Start Date: 20040602
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20040609
Evaluation Agency: State

Evaluation Start Date: 20030724
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 20030820
Evaluation Agency: State

Evaluation Start Date: 20030424
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20010626
Evaluation Type Description: FOLLOW-UP INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20010726
Evaluation Agency: State

Evaluation Start Date: 20010423
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20010213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20010226
Evaluation Agency: State

Evaluation Start Date: 20010213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 20010226
Evaluation Agency: State

Evaluation Start Date: 20010213
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 20010226
Evaluation Agency: State

Evaluation Start Date: 19991206
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 19991213
Evaluation Agency: State

Evaluation Start Date: 19991014
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990517
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Transporters - Manifest System and Recordkeeping
Return to Compliance Date: 19990517
Evaluation Agency: State

Evaluation Start Date: 19980629
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19980629
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19980629
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Thermal Treatment
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19970616
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION

Violation Short Description: TSD - General
Return to Compliance Date: 19970113
Evaluation Agency: State

Evaluation Start Date: 19970616
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19980113
Evaluation Agency: State

Evaluation Start Date: 19950829
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19941102
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19941102
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD IS-Chemical, Physical, AND Treatment
Return to Compliance Date: 19950829
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19940204
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 20001218
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19940204
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 20001220
Evaluation Agency: State

Evaluation Start Date: 19930916
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19940204
Evaluation Agency: State

Evaluation Start Date: 19930121
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19930916
Evaluation Agency: State

Evaluation Start Date: 19930107
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920225
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - General
Return to Compliance Date: 19930121
Evaluation Agency: State

Evaluation Start Date: 19920225
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General
Return to Compliance Date: 19930121
Evaluation Agency: State

Evaluation Start Date: 19910711
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19911105
Evaluation Agency: EPA

Evaluation Start Date: 19860917
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: Yes
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: Yes
Used Oil Burner: No
Used Oil Market Burner: Yes
Used Oil Spec Marketer: Yes

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920227
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19931115
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2

Receive Date: 19940317
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19960327
Handler Name: EVERGREEN OIL, INCORPORATED
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19961105
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20001012
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20020227
Handler Name: EVERGREEN OIL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20040325
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20060228
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL

BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20080328
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D035

Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20100802
Handler Name: EVERGREEN OIL, INC.

Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343

Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D027

Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20130314
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20140301
Handler Name: EVERGREEN OIL, INC.
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331

Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011

Waste Code Description:	SILVER
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE
Hazardous Waste Code:	D019
Waste Code Description:	CARBON TETRACHLORIDE
Hazardous Waste Code:	D021
Waste Code Description:	CHLOROBENZENE
Hazardous Waste Code:	D022
Waste Code Description:	CHLOROFORM
Hazardous Waste Code:	D027
Waste Code Description:	1,4-DICHLOROBENZENE
Hazardous Waste Code:	D028
Waste Code Description:	1,2-DICHLOROETHANE
Hazardous Waste Code:	D029
Waste Code Description:	1,1-DICHLOROETHYLENE
Hazardous Waste Code:	D030
Waste Code Description:	2,4-DINITROTOLUENE
Hazardous Waste Code:	D035
Waste Code Description:	METHYL ETHYL KETONE
Hazardous Waste Code:	D036
Waste Code Description:	NITROBENZENE
Hazardous Waste Code:	D039
Waste Code Description:	TETRACHLOROETHYLENE
Hazardous Waste Code:	D040
Waste Code Description:	TRICHLORETHYLENE
Hazardous Waste Code:	F001
Waste Code Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F002
Waste Code Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F003
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F004
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS

LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U041
Waste Code Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U122

Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U159
Waste Code Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20150720
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code:	F002
Waste Code Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F003
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F004
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F005
Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F006
Waste Code Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Hazardous Waste Code:	F037
Waste Code Description:	PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Hazardous Waste Code:	F038
Waste Code Description:	PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Hazardous Waste Code:	K048
Waste Code Description:	DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code:	K049
Waste Code Description:	SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K050
Waste Code Description:	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K051
Waste Code Description:	API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K052
Waste Code Description:	TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K157
Waste Code Description:	WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.
Hazardous Waste Code:	P011
Waste Code Description:	ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE
Hazardous Waste Code:	P012
Waste Code Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Hazardous Waste Code:	P022
Waste Code Description:	CARBON DISULFIDE
Hazardous Waste Code:	P029
Waste Code Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
Hazardous Waste Code:	P068
Waste Code Description:	HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
Hazardous Waste Code:	P098
Waste Code Description:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
Hazardous Waste Code:	P105
Waste Code Description:	SODIUM AZIDE
Hazardous Waste Code:	P106
Waste Code Description:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
Hazardous Waste Code:	P120
Waste Code Description:	VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
Hazardous Waste Code:	U001
Waste Code Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U007
Waste Code Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U021
Waste Code Description:	[1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U041
Waste Code Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20160301
Handler Name: SAFETY-KLEEN OF CALIFORNIA
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 162
Waste Code Description: Other spent catalyst

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223

Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 731
Waste Code Description: Liquids with polychlorinated biphenyls > 50 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011

Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D021
Waste Code Description: CHLOROBENZENE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND

NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U041
Waste Code Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U154

Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U159
Waste Code Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20180213
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-

1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code:	K050
Waste Code Description:	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K051
Waste Code Description:	API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K052
Waste Code Description:	TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K157
Waste Code Description:	WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.
Hazardous Waste Code:	P011
Waste Code Description:	ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE
Hazardous Waste Code:	P012
Waste Code Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Hazardous Waste Code:	P022
Waste Code Description:	CARBON DISULFIDE
Hazardous Waste Code:	P029
Waste Code Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
Hazardous Waste Code:	P068
Waste Code Description:	HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
Hazardous Waste Code:	P105
Waste Code Description:	SODIUM AZIDE
Hazardous Waste Code:	P106
Waste Code Description:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
Hazardous Waste Code:	P120
Waste Code Description:	VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
Hazardous Waste Code:	U001
Waste Code Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U007
Waste Code Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U021
Waste Code Description:	[1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U043
Waste Code Description:	ETHENE, CHLORO- (OR) VINYL CHLORIDE
Hazardous Waste Code:	U044
Waste Code Description:	CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20200218
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT

SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011

Waste Code Description:	ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE
Hazardous Waste Code:	P012
Waste Code Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Hazardous Waste Code:	P022
Waste Code Description:	CARBON DISULFIDE
Hazardous Waste Code:	P029
Waste Code Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
Hazardous Waste Code:	P068
Waste Code Description:	HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
Hazardous Waste Code:	P098
Waste Code Description:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
Hazardous Waste Code:	P105
Waste Code Description:	SODIUM AZIDE
Hazardous Waste Code:	P106
Waste Code Description:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
Hazardous Waste Code:	P120
Waste Code Description:	VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
Hazardous Waste Code:	U001
Waste Code Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U007
Waste Code Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U021
Waste Code Description:	[1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U043
Waste Code Description:	ETHENE, CHLORO- (OR) VINYL CHLORIDE
Hazardous Waste Code:	U044
Waste Code Description:	CHLOROFORM (OR) METHANE, TRICHLORO-
Hazardous Waste Code:	U052
Waste Code Description:	CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-
Hazardous Waste Code:	U056
Waste Code Description:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
Hazardous Waste Code:	U057
Waste Code Description:	CYCLOHEXANONE (I)
Hazardous Waste Code:	U070

Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404

Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20210212
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code:	722
Waste Code Description:	Liquids with cadmium > 100 mg/l
Hazardous Waste Code:	723
Waste Code Description:	Liquids with chromium (VI) > 500 mg/l
Hazardous Waste Code:	724
Waste Code Description:	Liquids with lead > 500 mg/l
Hazardous Waste Code:	725
Waste Code Description:	Liquids with mercury > 20 mg/l
Hazardous Waste Code:	726
Waste Code Description:	Liquids with nickel > 134 mg/l
Hazardous Waste Code:	727
Waste Code Description:	Liquids with selenium > 100 mg/l
Hazardous Waste Code:	728
Waste Code Description:	Liquids with thallium > 130 mg/l
Hazardous Waste Code:	741
Waste Code Description:	Liquids with halogenated organic compounds > 1000 mg/l
Hazardous Waste Code:	751
Waste Code Description:	Solids or sludge with halogenated organic comp. > 1000 mg/kg
Hazardous Waste Code:	791
Waste Code Description:	Liquids with pH < 2
Hazardous Waste Code:	792
Waste Code Description:	Liquids with pH < 2 with metals
Hazardous Waste Code:	D001
Waste Code Description:	IGNITABLE WASTE
Hazardous Waste Code:	D002
Waste Code Description:	CORROSIVE WASTE
Hazardous Waste Code:	D003
Waste Code Description:	REACTIVE WASTE
Hazardous Waste Code:	D004
Waste Code Description:	ARSENIC
Hazardous Waste Code:	D005
Waste Code Description:	BARIUM
Hazardous Waste Code:	D006
Waste Code Description:	CADMIUM
Hazardous Waste Code:	D007
Waste Code Description:	CHROMIUM
Hazardous Waste Code:	D008
Waste Code Description:	LEAD
Hazardous Waste Code:	D009
Waste Code Description:	MERCURY
Hazardous Waste Code:	D010
Waste Code Description:	SELENIUM
Hazardous Waste Code:	D011
Waste Code Description:	SILVER
Hazardous Waste Code:	D018
Waste Code Description:	BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005

Waste Code Description:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Hazardous Waste Code:	F006
Waste Code Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Hazardous Waste Code:	F037
Waste Code Description:	PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Hazardous Waste Code:	F038
Waste Code Description:	PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.
Hazardous Waste Code:	K048
Waste Code Description:	DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K049
Waste Code Description:	SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K050
Waste Code Description:	HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K051
Waste Code Description:	API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K052
Waste Code Description:	TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.
Hazardous Waste Code:	K157
Waste Code Description:	WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.
Hazardous Waste Code:	P011
Waste Code Description:	ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE
Hazardous Waste Code:	P012
Waste Code Description:	ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE
Hazardous Waste Code:	P022
Waste Code Description:	CARBON DISULFIDE
Hazardous Waste Code:	P029
Waste Code Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code:	P068
Waste Code Description:	HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
Hazardous Waste Code:	P098
Waste Code Description:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
Hazardous Waste Code:	P105
Waste Code Description:	SODIUM AZIDE
Hazardous Waste Code:	P106
Waste Code Description:	SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)
Hazardous Waste Code:	P120
Waste Code Description:	VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE
Hazardous Waste Code:	U001
Waste Code Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U007
Waste Code Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U021
Waste Code Description:	[1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U043
Waste Code Description:	ETHENE, CHLORO- (OR) VINYL CHLORIDE
Hazardous Waste Code:	U044
Waste Code Description:	CHLOROFORM (OR) METHANE, TRICHLORO-
Hazardous Waste Code:	U052
Waste Code Description:	CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-
Hazardous Waste Code:	U056
Waste Code Description:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
Hazardous Waste Code:	U057
Waste Code Description:	CYCLOHEXANONE (I)
Hazardous Waste Code:	U070
Waste Code Description:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
Hazardous Waste Code:	U071
Waste Code Description:	BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
Hazardous Waste Code:	U072
Waste Code Description:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
Hazardous Waste Code:	U080
Waste Code Description:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 10
Receive Date: 20220211
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261

Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725

Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027

Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM

PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068
Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code: U003
Waste Code Description: ACETONITRILE (I,T)

Hazardous Waste Code: U007
Waste Code Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Hazardous Waste Code: U012
Waste Code Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Hazardous Waste Code: U019
Waste Code Description: BENZENE (I,T)

Hazardous Waste Code: U021
Waste Code Description: [1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE

Hazardous Waste Code: U031
Waste Code Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Hazardous Waste Code: U034
Waste Code Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Hazardous Waste Code: U043
Waste Code Description: ETHENE, CHLORO- (OR) VINYL CHLORIDE

Hazardous Waste Code: U044
Waste Code Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Hazardous Waste Code: U052
Waste Code Description: CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-

Hazardous Waste Code: U056
Waste Code Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Hazardous Waste Code: U057
Waste Code Description: CYCLOHEXANONE (I)

Hazardous Waste Code: U070
Waste Code Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Hazardous Waste Code: U071
Waste Code Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Hazardous Waste Code: U072
Waste Code Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Hazardous Waste Code: U080
Waste Code Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Hazardous Waste Code: U105
Waste Code Description: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-

Hazardous Waste Code: U106
Waste Code Description: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Hazardous Waste Code: U112
Waste Code Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Hazardous Waste Code: U117
Waste Code Description: ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Code: U134
Waste Code Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Hazardous Waste Code: U151
Waste Code Description: MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Hazardous Waste Handler Details

Sequence No: 11
Receive Date: 20230216
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: 121
Waste Code Description: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)

Hazardous Waste Code: 122
Waste Code Description: Alkaline solution without metals (pH > 12.5)

Hazardous Waste Code: 123
Waste Code Description: Unspecified alkaline solution

Hazardous Waste Code: 132
Waste Code Description: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)

Hazardous Waste Code: 133
Waste Code Description: Aqueous solution with 10% or more total organic residues

Hazardous Waste Code: 134
Waste Code Description: Aqueous solution with <10% total organic residues

Hazardous Waste Code: 135
Waste Code Description: Unspecified aqueous solution

Hazardous Waste Code: 141
Waste Code Description: Off-specification, aged, or surplus inorganics

Hazardous Waste Code: 171
Waste Code Description: Metal sludge (see 121)

Hazardous Waste Code: 172
Waste Code Description: Metal dust (see 121) and machining waste

Hazardous Waste Code: 181
Waste Code Description: Other inorganic solid waste

Hazardous Waste Code: 212
Waste Code Description: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

Hazardous Waste Code: 213
Waste Code Description: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)

Hazardous Waste Code: 214
Waste Code Description: Unspecified solvent mixture

Hazardous Waste Code: 221
Waste Code Description: Waste oil and mixed oil

Hazardous Waste Code: 222
Waste Code Description: Oil/water separation sludge

Hazardous Waste Code: 223
Waste Code Description: Unspecified oil-containing waste

Hazardous Waste Code: 231
Waste Code Description: Pesticide rinse water

Hazardous Waste Code: 241
Waste Code Description: Tank bottom waste

Hazardous Waste Code: 251
Waste Code Description: Still bottoms with halogenated organics

Hazardous Waste Code: 252
Waste Code Description: Other still bottom waste

Hazardous Waste Code: 261
Waste Code Description: Polychlorinated biphenyls and material containing PCB's

Hazardous Waste Code: 272
Waste Code Description: Polymeric resin waste

Hazardous Waste Code: 281
Waste Code Description: Adhesives

Hazardous Waste Code: 291
Waste Code Description: Latex waste

Hazardous Waste Code: 331
Waste Code Description: Off-specification, aged, or surplus organics

Hazardous Waste Code: 341
Waste Code Description: Organic liquids (nonsolvents) with halogens

Hazardous Waste Code: 342
Waste Code Description: Organic liquids with metals (see 121)

Hazardous Waste Code: 343
Waste Code Description: Unspecified organic liquid mixture

Hazardous Waste Code: 351
Waste Code Description: Organic solids with halogens

Hazardous Waste Code: 352
Waste Code Description: Other organic solids

Hazardous Waste Code: 451
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 461
Waste Code Description: Degreasing sludge

Hazardous Waste Code: 491
Waste Code Description: Unspecified sludge waste

Hazardous Waste Code: 511
Waste Code Description: Empty pesticide containers 30 gallons or more

Hazardous Waste Code: 512
Waste Code Description: Other empty containers 30 gallons or more

Hazardous Waste Code: 513
Waste Code Description: Empty containers less than 30 gallons

Hazardous Waste Code: 551
Waste Code Description: Laboratory waste chemicals

Hazardous Waste Code: 611
Waste Code Description: Contaminated soil from site clean-ups

Hazardous Waste Code: 612
Waste Code Description: Household waste

Hazardous Waste Code: 721
Waste Code Description: Liquids with arsenic > 500 mg/l

Hazardous Waste Code: 722
Waste Code Description: Liquids with cadmium > 100 mg/l

Hazardous Waste Code: 723
Waste Code Description: Liquids with chromium (VI) > 500 mg/l

Hazardous Waste Code: 724
Waste Code Description: Liquids with lead > 500 mg/l

Hazardous Waste Code: 725
Waste Code Description: Liquids with mercury > 20 mg/l

Hazardous Waste Code: 726
Waste Code Description: Liquids with nickel > 134 mg/l

Hazardous Waste Code: 727
Waste Code Description: Liquids with selenium > 100 mg/l

Hazardous Waste Code: 728
Waste Code Description: Liquids with thallium > 130 mg/l

Hazardous Waste Code: 741
Waste Code Description: Liquids with halogenated organic compounds > 1000 mg/l

Hazardous Waste Code: 751
Waste Code Description: Solids or sludge with halogenated organic comp. > 1000 mg/kg

Hazardous Waste Code: 791
Waste Code Description: Liquids with pH < 2

Hazardous Waste Code: 792
Waste Code Description: Liquids with pH < 2 with metals

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D004
Waste Code Description: ARSENIC

Hazardous Waste Code: D005
Waste Code Description: BARIUM

Hazardous Waste Code: D006
Waste Code Description: CADMIUM

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D008
Waste Code Description: LEAD

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: D010
Waste Code Description: SELENIUM

Hazardous Waste Code: D011
Waste Code Description: SILVER

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D019
Waste Code Description: CARBON TETRACHLORIDE

Hazardous Waste Code: D020
Waste Code Description: CHLORDANE

Hazardous Waste Code: D022
Waste Code Description: CHLOROFORM

Hazardous Waste Code: D027
Waste Code Description: 1,4-DICHLOROBENZENE

Hazardous Waste Code: D028
Waste Code Description: 1,2-DICHLOROETHANE

Hazardous Waste Code: D029
Waste Code Description: 1,1-DICHLOROETHYLENE

Hazardous Waste Code: D030
Waste Code Description: 2,4-DINITROTOLUENE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Code: D036
Waste Code Description: NITROBENZENE

Hazardous Waste Code: D039
Waste Code Description: TETRACHLOROETHYLENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F006
Waste Code Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Hazardous Waste Code: F037
Waste Code Description: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE

BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: F038
Waste Code Description: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Hazardous Waste Code: K048
Waste Code Description: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K049
Waste Code Description: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K050
Waste Code Description: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K051
Waste Code Description: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K052
Waste Code Description: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY.

Hazardous Waste Code: K157
Waste Code Description: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Hazardous Waste Code: P011
Waste Code Description: ARSENIC OXIDE AS2O5 (OR) ARSENIC PENTOXIDE

Hazardous Waste Code: P012
Waste Code Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Hazardous Waste Code: P022
Waste Code Description: CARBON DISULFIDE

Hazardous Waste Code: P029
Waste Code Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Hazardous Waste Code: P068
Waste Code Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Hazardous Waste Code: P098
Waste Code Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Hazardous Waste Code: P105
Waste Code Description: SODIUM AZIDE

Hazardous Waste Code: P106
Waste Code Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Hazardous Waste Code: P120
Waste Code Description: VANADIUM OXIDE V2O5 (OR) VANADIUM PENTOXIDE

Hazardous Waste Code: U001
Waste Code Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Hazardous Waste Code: U002
Waste Code Description: 2-PROPANONE (I) (OR) ACETONE (I)

Hazardous Waste Code:	U003
Waste Code Description:	ACETONITRILE (I,T)
Hazardous Waste Code:	U007
Waste Code Description:	2-PROPENAMIDE (OR) ACRYLAMIDE
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U021
Waste Code Description:	[1,1'-BIPHENYL]-4,4'-DIAMINE (OR) BENZIDINE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U034
Waste Code Description:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
Hazardous Waste Code:	U043
Waste Code Description:	ETHENE, CHLORO- (OR) VINYL CHLORIDE
Hazardous Waste Code:	U044
Waste Code Description:	CHLOROFORM (OR) METHANE, TRICHLORO-
Hazardous Waste Code:	U052
Waste Code Description:	CRESOL (CRESYLIC ACID) (OR) PHENOL, METHYL-
Hazardous Waste Code:	U056
Waste Code Description:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
Hazardous Waste Code:	U057
Waste Code Description:	CYCLOHEXANONE (I)
Hazardous Waste Code:	U070
Waste Code Description:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
Hazardous Waste Code:	U071
Waste Code Description:	BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
Hazardous Waste Code:	U072
Waste Code Description:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE
Hazardous Waste Code:	U080
Waste Code Description:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
Hazardous Waste Code:	U105
Waste Code Description:	2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
Hazardous Waste Code:	U106
Waste Code Description:	2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
Hazardous Waste Code:	U112
Waste Code Description:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
Hazardous Waste Code:	U117
Waste Code Description:	ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
Hazardous Waste Code:	U122
Waste Code Description:	FORMALDEHYDE
Hazardous Waste Code:	U134
Waste Code Description:	HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)
Hazardous Waste Code:	U151
Waste Code Description:	MERCURY

Hazardous Waste Code: U154
Waste Code Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Hazardous Waste Code: U165
Waste Code Description: NAPHTHALENE

Hazardous Waste Code: U183
Waste Code Description: BENZENE, PENTACHLORO- (OR) PENTACHLOROBENZENE

Hazardous Waste Code: U188
Waste Code Description: PHENOL

Hazardous Waste Code: U196
Waste Code Description: PYRIDINE

Hazardous Waste Code: U201
Waste Code Description: 1,3-BENZENEDIOL (OR) RESORCINOL

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U218
Waste Code Description: ETHANETHIOAMIDE (OR) THIOACETAMIDE

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Code: U404
Waste Code Description: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street 1:***	P.O. BOX 248
Name:	EVERGREEN OIL, INC.	***Street 2:***	
Date Became Current:	19860824	***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-795-4400	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94560

Owner/Operator Ind:	Current Owner	***Street No:***	2660
Type:	Private	***Street 1:***	N CENTRAL EXPWY
Name:	SAFETY-KLEEN OF CALIFORNIA INC	***Street 2:***	
Date Became Current:	20130901	***City:***	RICHARD
Date Ended Current:		***State:***	TX
Phone:	972-265-2000	***Country:***	US
Source Type:	Notification	***Zip Code:***	75080

Owner/Operator Ind:	Current Operator	***Street No:***	6880
Type:	Private	***Street 1:***	SMITH AVE
Name:	SAFETY KLEEN OF CALIFORNIA	***Street 2:***	
Date Became Current:	20130913	***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-795-4400	***Country:***	US
Source Type:	Annual/Biennial Report update with Notification	***Zip Code:***	94560-0000

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street 1:***	
Name:	EVERGREEN OIL, INC.	***Street 2:***	

Date Became Current:	19860824	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, OIL.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	SAFETY-KLEEN OF CALIFORNIA	**Street 2:**	
Date Became Current:	20130913	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	6880 SMITH AVE
Name:	CLEAN HARBORS INC	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-608-0155	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	42
Type:	Private	**Street 1:**	LONGWATER
Name:	CLEAN HARBORS INC	**Street 2:**	
Date Became Current:	20130913	**City:**	NORWELL
Date Ended Current:		**State:**	MA
Phone:	510-795-4400	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	02061

Owner/Operator Ind:	Current Owner	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, OIL.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE
Name:	EVERGREEN OIL, INC	**Street 2:**	
Date Became Current:	19860824	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	19851010	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	6880 SMITH AVE
Name:	EVERGREEN OIL INC	**Street 2:**	
Date Became Current:		**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4401	**Country:**	
Source Type:	Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE.
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE
Name:	EVERGREEN OIL, INC	**Street 2:**	
Date Became Current:	19851010	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	6880 SMITH AVE
Name:	SAFETY KLEEN OF CALIFORNIA	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-608-0155	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	
Name:	SAFETY-KLEEN OF CALIFORNIA INC	**Street 2:**	
Date Became Current:	19860301	**City:**	
Date Ended Current:		**State:**	
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	P.O. BOX 248
Name:	EVERGREEN OIL, INC.	**Street 2:**	
Date Became Current:	19851010	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	94560

Owner/Operator Ind:	Current Owner	**Street No:**	6880
Type:	Private	**Street 1:**	SMITH AVE
Name:	CLEAN HARBORS, INC	**Street 2:**	
Date Became Current:	20130913	**City:**	NEWARK
Date Ended Current:		**State:**	CA
Phone:	510-795-4400	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	94560

Historical Handler Details

Receive Dt:	20220211
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20210212
Generator Code Description:	Large Quantity Generator
Handler Name:	SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt:	20200218
Generator Code Description:	Large Quantity Generator

Handler Name: SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt: 20180213
Generator Code Description: Large Quantity Generator
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt: 20160301
Generator Code Description: Large Quantity Generator
Handler Name: SAFETY-KLEEN OF CALIFORNIA

Receive Dt: 20150720
Generator Code Description: Large Quantity Generator
Handler Name: SAFETY-KLEEN OF CALIFORNIA INC

Receive Dt: 20140301
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20130314
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20100802
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20080328
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20060228
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20040325
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 20020227
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

Receive Dt: 20001012
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 19961105
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

Receive Dt: 19960327
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INCORPORATED

Receive Dt: 19940317
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL, INC.

Receive Dt: 19931115
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

Receive Dt: 19920227
Generator Code Description: Large Quantity Generator
Handler Name: EVERGREEN OIL INC

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6880 SMITH AVE
NEWARK CA 94560

EPA ID:	CAD980887418	***County:***	ALAMEDA
Geotracker Address:	6880 SMITH AVE	***Geotracker Lat:***	37.520877
Geotracker City:	NEWARK	***Geotracker Long:***	-122.020276
Report URL:	https://www.envirostor.dtsc.ca.gov/public/eerp_profile_report?global_id=3000092		

Inspection Information

Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 1
Inspection Date:	11/9/2021
Return to Compliance:	2/1/2022
Report Sent Date:	1/13/2022
Inspection Type:	Focused Compliance Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	No Violations
Inspection Date:	11/9/2021
Return to Compliance:	
Report Sent Date:	12/14/2021
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2, Minor
Inspection Date:	6/2/2004
Return to Compliance:	6/9/2004
Report Sent Date:	9/17/2004
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 2
Inspection Date:	12/13/2011
Return to Compliance:	12/17/2012
Report Sent Date:	2/16/2012
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 1, Class 2, Minor
Inspection Date:	4/19/2019
Return to Compliance:	9/3/2021
Report Sent Date:	6/14/2019
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal
Violations:	No Violations
Inspection Date:	6/18/2008
Return to Compliance:	
Report Sent Date:	6/19/2008
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	No Violations
Inspection Date:	11/30/2021
Return to Compliance:	
Report Sent Date:	11/30/2021
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal
Violations:	No Violations
Inspection Date:	6/29/2005
Return to Compliance:	
Report Sent Date:	7/19/2005
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal
Violations:	No Violations
Inspection Date:	2/24/2010
Return to Compliance:	
Report Sent Date:	2/24/2010
Inspection Type:	Focused Compliance Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	No Violations
Inspection Date:	5/24/2012
Return to Compliance:	

Report Sent Date: 7/24/2012

Inspection Type: Financial Records Review - Treatment, Storage and Disposal
Violations: No Violations
Inspection Date: 5/2/2016
Return to Compliance:
Report Sent Date: 5/2/2016

Inspection Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations: No Violations
Inspection Date: 4/23/2001
Return to Compliance:
Report Sent Date: 7/2/2001

Inspection Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations: Class 1, Class 2, Minor
Inspection Date: 3/14/2017
Return to Compliance: 4/6/2018
Report Sent Date: 5/11/2017

Inspection Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations: No Violations
Inspection Date: 7/11/2018
Return to Compliance:
Report Sent Date: 7/11/2018

Inspection Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations: No Violations
Inspection Date: 4/24/2003
Return to Compliance:
Report Sent Date: 7/30/2003

Inspection Type: Financial Records Review - Treatment, Storage and Disposal
Violations: No Violations
Inspection Date: 6/28/2004
Return to Compliance:
Report Sent Date: 7/22/2004

Inspection Type: Financial Records Review - Treatment, Storage and Disposal
Violations: No Violations
Inspection Date: 6/11/2009
Return to Compliance:
Report Sent Date: 6/15/2009

Inspection Type: Follow-up Inspection - Treatment, Storage and Disposal
Violations: Minor
Inspection Date: 6/26/2001
Return to Compliance: 7/26/2001
Report Sent Date: 8/14/2001

Inspection Type: Focused Compliance Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations: No Violations
Inspection Date: 1/13/2014
Return to Compliance:
Report Sent Date: 4/3/2014

Inspection Type: Compliance Evaluation Inspection - Transporter
Violations: Minor
Inspection Date: 5/17/1999
Return to Compliance: 5/17/1999
Report Sent Date: 3/27/2000

Inspection Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations: No Violations
Inspection Date: 9/15/2015
Return to Compliance:
Report Sent Date: 9/15/2015

Inspection Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal

Violations:	Class 2, Minor
Inspection Date:	4/12/2016
Return to Compliance:	8/24/2016
Report Sent Date:	6/14/2016
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Minor
Inspection Date:	6/27/2006
Return to Compliance:	8/7/2006
Report Sent Date:	11/8/2006
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	10/28/2010
Return to Compliance:	1/28/2011
Report Sent Date:	12/30/2010
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	No Violations
Inspection Date:	9/20/2022
Return to Compliance:	
Report Sent Date:	9/20/2022
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2, Minor
Inspection Date:	2/13/2001
Return to Compliance:	2/26/2001
Report Sent Date:	5/2/2001
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal
Violations:	No Violations
Inspection Date:	10/26/2010
Return to Compliance:	
Report Sent Date:	10/27/2010
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	No Violations
Inspection Date:	4/25/2019
Return to Compliance:	
Report Sent Date:	4/25/2019
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	6/13/2007
Return to Compliance:	11/14/2007
Report Sent Date:	10/18/2007
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 1, Class 2, Minor
Inspection Date:	6/19/2018
Return to Compliance:	8/16/2018
Report Sent Date:	7/24/2018
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal
Violations:	No Violations
Inspection Date:	6/15/2007
Return to Compliance:	
Report Sent Date:	7/5/2007
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	12/6/1999
Return to Compliance:	12/13/1999
Report Sent Date:	3/27/2000
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	2/22/2010
Return to Compliance:	7/22/2010

Report Sent Date:	4/23/2010
Inspection Type:	Non-financial Record Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 2
Inspection Date:	3/15/2019
Return to Compliance:	3/15/2019
Report Sent Date:	3/15/2019
Inspection Type:	Focused Compliance Inspection - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	5/29/2011
Return to Compliance:	8/28/2011
Report Sent Date:	8/3/2011
Inspection Type:	Compliance Evaluation Inspection - * USED OIL
Violations:	Class 1
Inspection Date:	9/16/1993
Return to Compliance:	12/18/2000
Report Sent Date:	12/12/1994
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	No Violations
Inspection Date:	10/24/2013
Return to Compliance:	
Report Sent Date:	10/25/2013
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	No Violations
Inspection Date:	10/14/1999
Return to Compliance:	
Report Sent Date:	5/12/2000
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 1, Class 2
Inspection Date:	6/25/2008
Return to Compliance:	6/12/2009
Report Sent Date:	10/9/2008
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Minor
Inspection Date:	5/8/2014
Return to Compliance:	5/19/2014
Report Sent Date:	5/21/2014
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	7/24/2003
Return to Compliance:	8/20/2003
Report Sent Date:	7/30/2003
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations:	Class 2
Inspection Date:	6/21/2005
Return to Compliance:	6/5/2006
Report Sent Date:	9/29/2005
Inspection Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 2, Minor
Inspection Date:	6/25/2015
Return to Compliance:	10/4/2015
Report Sent Date:	8/26/2015
Inspection Type:	Focused Compliance Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations:	Class 1, Class 2, Minor
Inspection Date:	8/31/2022
Return to Compliance:	12/13/2022
Report Sent Date:	10/21/2022
Inspection Type:	Financial Records Review - Treatment, Storage and Disposal

Violations: No Violations
Inspection Date: 11/9/2006
Return to Compliance:
Report Sent Date: 11/9/2006

Inspection Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal - Used Oil Recycler
Violations: No Violations
Inspection Date: 6/25/2013
Return to Compliance:
Report Sent Date: 8/29/2013

Inspection Type: Financial Records Review - Treatment, Storage and Disposal - Used Oil Recycler
Violations: No Violations
Inspection Date: 6/12/2014
Return to Compliance:
Report Sent Date: 6/17/2014

Inspection Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Violations: Class 1, Class 2
Inspection Date: 6/23/2009
Return to Compliance: 8/26/2009
Report Sent Date: 8/27/2009

Enforcement Information (ENVIROSTOR ICE Sites Data Download)

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 6/5/2006

Enforcement Type: Final Civil / Judicial Action (610)
Enforcement Date: 12/18/2000

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 6/24/2008

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 7/21/2011

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 12/17/2012

Enforcement Type: Enforcement Order Issued (210)
Enforcement Date: 12/13/2001

Enforcement Type: Final Administrative Settlement (310)
Enforcement Date: 3/7/2002

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 10/5/2010

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 6/12/2009

Enforcement Type: Injunctive Relief (263)
Enforcement Date: 9/29/2021

Enforcement Type: Initial Civil Filing AG (510)
Enforcement Date: 9/29/2021

Enforcement Type: Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Enforcement Date: 2/11/2010

Complaints

Case No: 11-0111-0034
Complaint Date: 1/20/2011
Violations: NO

Case No: 11-0311-0214
Complaint Date: 3/29/2011
Violations: NO

Case No: 13-1013-0681
Complaint Date: 10/2/2013
Violations: YES

Permitting

Site Code: 200253
Program Type: HAZARDOUS WASTE FACILITY
Facility Type: OPERATING PERMIT
Assembly District: 24
Senate District: 10
Census Tract: 6001444601
Calenviro Screen Percentile Sc: 60-65%
Site Facility Type: OPERATING PERMIT - PERMITTED ACTIVITIES: CONTAINER, TANK STORAGE, TANK TREATMENT, OTHER TREATMENT - PERMIT AUTHORITY: RCRA

Facility History:

QUARTERLY UPDATE:

Quarterly Update Period: July 1 through September 30, 2023

Safety Kleen Newark is regulated by DTSC through a RCRA-Equivalent Hazardous Waste Facility Permit issued September 3, 2021. No regulatory activity occurred during the July 1 through September 30, 2023 quarterly period.

FACILITY DESCRIPTION AND REGULATORY HISTORY

The Safety Kleen Newark facility is located at 6880 Smith Avenue, Newark, Alameda County on a 7-acre site zoned MG (General Industrial) within an urbanized area surrounded by industrial sites. The facility was built in 1985 on a previously undeveloped parcel.

The facility stores and treats hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily wastewater, waste antifreeze, RCRA fuel and contaminated petroleum products.

The facility initially obtained a Hazardous Waste Facility on October 10, 1985 to store and recycle used oil and for storage and transfer of antifreeze. A Class 3 Permit Modification was issued on May 9, 2002. A new Hazardous Waste Facility Permit was issued on December 1, 2004, and appealed on January 4, 2005. On September 21, 2005, DTSC approved the facility's revised work plan (dated 8/8/2005) for a subsurface site investigation known as a RCRA Facility Investigation (or RFI). On October 26, 2005, DTSC denied the appeal petition of the December 1, 2004 permit. DTSC renewed this facility permit most recently on September 3, 2021, which will remain effective through September 3, 2031.

The 2021 permit authorizes storage and treatment of hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products. Maximum permitted storage capacities include 52,800 gallons in container in permitted units 13, 14, and 15; 120,000 gallons in 4 railcar unloading stations identified as permitted units 16, 17, 18, and 19. Of these 4 railcar unloading stations, only permitted unit 17 has been constructed as of 2023. The facility is additionally permitted for tank storage in permitted units 1, 2, 3, 4, 5, 6, 7, and 8, which have a cumulative maximum capacity of 214,000 gallons. The facility is also permitted to treat up to 150,685 gallons of wastewater in the facility's wastewater treatment plant (permitted unit 20).

DTSC Investigation Compliance Enforcement Sites

Envirostor ID: 3000092
Status: Significant Non-Complier
FID Ice Sites Sp: 115
FID T1: 5056
Local Enviro Screen 3.0 Tract: 6001444601
Local Env Screen 3.0 Pctlran: 76 - 80%
Site Type: INSPECTION
Latitude: 37.520877
Longitude: -122.020276

Site Details from Map

Envirostor ID: 3000092
Status: Pending
Site Type: INSPECTION
Latitude: 37.520877
Longitude: -122.020276

Site Details (Download)

Envirostor ID: 3000092
Status: No Action

Site Type: INSPECTION

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6880 SMITH AVE
NEWARK CA 945600000 | **ENVIROSTOR**

Estor/EPA ID:	80001757	**Assembly District:**	24
Site Code:	200253	**Senate District:**	10
Nat Priority List:	NO	**Permit Renewal Lead:**	
APN:	92A-2300-10-3	**Public Partici Spclst:**	ASHA SETTY
Census Tract:	6001444601	**Project Manager:**	VU NGUYEN
Site Type:	CORRECTIVE ACTION	**County:**	ALAMEDA
Address Description:	6880 SMITH AVE	**Latitude:**	37.520877
Office:	CLEANUP CHATSWORTH	**Longitude:**	-122.020276
Special Program:		**Acres:**	7 ACRES
Funding:	RESPONSIBLE PARTY	**Supervisor:**	JOSE DIAZ

Cleanup Status: ACTIVE AS OF 11/22/2004
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM
School District:
Past Use that Caused Contam: OIL FIELD, OIL/WATER SEPARATORS, RECYCLING - USED OIL
Potential Media Affected: SOIL
Potential Contamin of Concern:

CHLORINE
METALS
PETROLEUM
POLYNUCLEAR AROMATIC HYDROCARBONS (PAHS)
VOLATILE ORGANICS (8260B VOCS)

Site History:

Active facility - Permitted: Evergreen Oil, Inc. (EOI) is located at 6880 Smith Avenue, Newark, Alameda County on a 7-acre site zoned MG (General Industrial) within an urbanized area surrounded by industrial sites. The EOI facility was built in 1985 on a previously undeveloped parcel. State Hazardous Waste Permit was issued on October 10, 1985 to store and recycle used oil and for storage and transfer of antifreeze. A Class 3 Permit Modification was issued on May 9, 2002.
The facility is authorized to store and treat hazardous waste in tanks and containers including used oil, RCRA and non RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products. The RCRA permit was issued on 12/01/04. The permit decision was appealed on January 4, 2005.
On September 21, 2005, DTSC approved Evergreen's revised Work plan dated August 8, 2005 for Site Investigation/Geoprobe Sampling, Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) which includes the refinery and other areas of the facility.
On October 13, 2005, DTSC approved Evergreen's request dated September 14, 2005 for Class 1 Permit Modification of the December 1, 2004 Hazardous Waste Facility Permit.

On October 26, 2005, DTSC denied the petition for review of the permit renewal and modification decision which was issued by DTSC on December 1, 2004.

CORRECTIVE ACTION:

DTSC received RFI Report in April 2007 and recommended that Evergreen Oil prepare and submit a Ground Water Sampling Plan and Human & Ecological Risk Assessment Plan. The RFI Report provided the results of a subsurface investigation program which included soil and ground water sampling. Soil sampling at the shallow depth of 1 foot did not indicate the soil contamination at most of the areas except couple of exceedances for residential and commercial environmental screening level (ESL) (out of 38 samples) for benzene, Methyl-Tert-Butyl Ether (MTBE) and metals (arsenic and chromium) .. Two (2) out of 4 soil samples collected at the depths ranging from 8 to 13 feet below ground surface results indicated exceeded ESLs for TPH-d, TPH-g, TPH-mo, benzene, xylenes, MTBE, and naphthalene.
Groundwater investigation results indicated that shallow groundwater beneath the site is contaminated by TPH and VOCs. MTBE, TPH-d, TPH-g, TPH-mo, benzene, ethylbenzene, xylenes, tert-butyl-alcohol (TBA), 1, 1-dichloroethane (1, 1-DCA), tetrachloroethene (PCE), and vinyl chloride exceeded the ESL.

The Report concluded that investigation data did not indicate evidence of a significant surface oil contamination or release from the re-refinery area. However, the Report acknowledged that groundwater contamination was present beneath portions of the Facility.

Risk Analysis:
Calculating an estimated potential human health risk for soils at the site will not accurately depict the current potential risk due to the following reasons: 1) the available soil data is over ten years old, as it was collected back in 2006 and not representative of current site conditions including any spills and/or releases that may have occurred since 2006 and the fire that was at the facility. 2) Tox commented, in June 29, 2010 memorandum, that there is a data gap for risk assessment purposes for soil contamination in the deeper soils, since the majority of the soil samples collected at the site were collected at one foot below ground surface (bgs). This data gap must be filled before a meaningful risk assessment can be conducted for human receptors. 3) Furthermore, while the one foot bgs samples did not detect volatile organic compounds (VOCs), only two of the soil samples collected was actually analyzed for VOCs at a depth of 12 feet bgs. Both of these samples have elevated levels of VOCs that were not detected in the one foot samples. Thus, with respect to VOC contamination at the site, there is a data gap from risk assessment purposes. 4) Soil gas samples have not been

collected at the site, and considered a data gap for risk assessment purposes. DTSC recently reviewed a Supplemental Site Investigation/Characterization Plan document. The sampling proposed in this work plan will provide the necessary information that will fill the data gaps needed to properly conduct a human health risk assessment.

Groundwater:

Using the most recent fourth quarter groundwater monitoring data collected in December 26, 2012 the estimated risk to human health due to ingestion of groundwater at monitoring wells MW-1 is 1.4E-5 due to tert-butyl alcohol (TBA), at MW-5 is 5E-6 due to TBA, and MW-6 is 3.4E-6 due to methyl tertiary butyl ether (MTBE). The risk estimated is a quick calculation and does not consider dermal contact with or inhalation of groundwater due to time constraint. Please also not that Newark is located in the Niles Cone, which is part of the Alameda County Water District, a managed groundwater basin for domestic use. All of the groundwater is considered beneficial use and will need to be cleaned up to state standards.

In December 2010, DTSC received Ground Water Monitoring and Sampling Analysis Plan (SAP). DTSC approved the revised SAP in May 2011. RP will submit workplan for additional soil and soil gas sampling by April 2013.
Groundwater
• The groundwater monitoring network was installed in May 2012 and consists of 8 wells all screened in the uppermost aquifer (screened from 7-17 ft bgs). Quarterly groundwater monitoring started in 2012 and 3rd and 4th Quarters, 2012 Groundwater Monitoring Report dated December 7, 2012 and January 23, 2013 received and reviewed by DTSC and Alameda County Water District.
• The most recent sampling event occurred on December 26, 2012.
• The concentrations detected in groundwater from wells throughout the site indicate relatively clean conditions for a site used as a refinery since 1985. However, Newark is located in the Niles Cone, which is part of the Alameda County Water District, a managed groundwater basin for domestic use. All of the groundwater is considered beneficial use and needs to be cleaned up to MCLs.
• Sampling events scheduled this year in March 2013, and June 2013. After June 2013, the sampling program may be modified with concurrence from DTSC and Alameda County Water District (ACWD).
• MTBA, TBA and chloroethane and 1,1-dichloroethane detected above the screening levels.
• TPHd has been detected in one monitoring well at concentrations above the ESL.
• TPHg and TPHmo were not detected above their reporting levels – In the case of TPH-mo, reporting limits were above regulatory screening levels.
• Oil and grease, benzo(a)pyrene, and ethylene glycol were not detected above laboratory reporting limits in any sample.
• No other VOCs detected above screening levels.

Evergreen Oil Inc/Safety Kleen prepared Current Condition Report in 2015b and conducted HHRA in 2016. A supplemental investigation was also conducted in 2016.

Focused Corrective Measure Feasibility Study GW Work Plan was submitted in 2019.

Submitting GW monitoring and sampling reports regularly.

Focused Corrective Measures Study Report for GW Work submitted in 2022 which is under review.

Statement of Basis prepared and sent to management on 12/8.

Draft NOE under preparation/review.

Public outreach documents are under preparation.

Cost estimate (CE) reviewed and comments sent to Safety Kleen. CE validation and BC memos need to be prepared.

Status: ACTIVE
Program Type: CORRECTIVE ACTION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757

Currently Scheduled Activities

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Ready for Anticipated Use
Due Date: 6/30/2024
Revised Date: 12/25/2024

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedy Selection and Statement of Basis

Due Date: 6/30/2024
Revised Date:

Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Corrective Measures Study Report
Due Date: 11/26/2023
Revised Date:

Future Activities

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Cleanup Complete
Due Date: 2026

Completed Activities

Title: Project Management
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Project Management
Date Completed: 6/30/2023
Comments:

Title: First Semi-Annual 2017 Groundwater Monitoring Report for the Safety-Kleen
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 11/27/2017
Comments: On going GW monitoring. No letter issued.

Title: 2014-2015 Estimated Oversight Costs
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60384729
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/24/2014
Comments: 2014-2015 Estimated Oversight Costs

Title: RFI Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=6027583
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 7/9/2010
Comments: DTSC recommended to submit a Ground Water Sampling & Analysis Plan and a Human & Eco Risk Assessment Plan.

Title: First Semi Annual 2019 Ground Water Monitoring Report
Title Link:
Area Name: OU-2 Ground Water

Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 1/20/2020
Comments:

Title: Soil Gas Sampling Workplan Addendum
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60401619
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Workplan Addendum
Date Completed: 5/16/2016
Comments: No further revision required.

Title: Second Semi Annual 2015 Ground Water Monitoring Report
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/11/2016
Comments: Review done. No letter issued for this ongoing ground water monitoring.

Title: First Semi-Annual 2015 Groundwater Monitoring Report for the Safety-Kleen facility
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/9/2016
Comments: No letter issued. Ongoing ground water monitoring.

Title: Ground Water Sampling and Monitoring Report - First Semi-Annual 2014 and Well Installation Work Plan Addendum
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60322920
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 9/10/2014
Comments:

Title: Ground Water Sampling and Monitoring Report - Second Quarter 2013
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60322916
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Workplan
Date Completed: 8/13/2013
Comments:

Title: Fourth Quarter 2012 Groundwater Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60315236
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 2/13/2013

Comments: One letter for 3Q and 4Q issued.

Title: Ground Water Well Sampling and Third Quarter Monitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60312905
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 2/13/2013
Comments:

Title: Remedy Constructed
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60298880
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Remedy Construction Complete
Date Completed: 9/26/2011
Comments:

Title: Annual Cost Estimate Letter 2021-2022
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60502993
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/22/2021
Comments:

Title: Annual Cost Estimate Letter 2020-2021
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60488727
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Agreement Terminated Notification
Date Completed: 9/23/2020
Comments:

Title: Second Semiannual 2019 Ground Water Monitoring Report
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 9/2/2020
Comments:

Title: First Semi Annual 2018 Ground Water Monitoring Report
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 9/6/2018
Comments: Ongoing GW monitoring. No letter issued.

Title: First Semi-Annual 2016 Groundwater Monitoring Report for the Safety-Kleen
Title Link:
Area Name: PROJECT WIDE
Area Link:

Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 11/21/2016
Comments: letter

Title: Ground Water Sampling and Monitoring Report - Second Semi-Annual 2014 and Well Installation Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60322922
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 3/26/2015
Comments:

Title: RFI WORKPLAN APPROVED (CA150)
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=6025105
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Workplan
Date Completed: 9/21/2005
Comments: The revised workplan was submitted 08/08/2005.

Title: Fieldwork for Annual 2021 Ground Water Monitoring
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 4/29/2021
Comments:

Title: Project Management Activities
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Project Management
Date Completed: 6/24/2022
Comments:

Title: Annual 2021 Ground Water Minitoring Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60485851
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 4/20/2022
Comments:

Title: Site Walk
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/22/2021
Comments:

Title: First 2020 Ground Water Monitoring Event

Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 9/29/2020
Comments:

Title: Second 2019 Ground Water Monitoring Event
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 10/26/2019
Comments:

Title: 2019-2020 Annual Cost Estimate Letter
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60472271
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/22/2019
Comments:

Title: Letter AP with 2018-2019 Cost Estimate 9-2018
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60452735
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/28/2018
Comments: Cost Estimated

Title: Current Condition Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60392305
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 10/26/2015
Comments:

Title: Ground Water Sampling and Monitoring Report - Second Semi-Annual 2013
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60322918
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 4/10/2014
Comments:

Title: Second Semi-Annual 2017 Groundwater Monitoring Report for the Safety-Kleen
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report

Date Completed: 3/5/2018
Comments: Ongoing GW monitoring. No letter issued.

Title: 2017-2018 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60436451
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/28/2017
Comments: 2017-2018 Annual Oversight Cost Estimate

Title: Human Exposure Controlled
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60299243
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Human Exposure Controlled
Date Completed: 9/26/2011
Comments:

Title: Annual Groundwater 2022 Monitoring
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60501979
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 3/10/2022
Comments:

Title: First Semi Annual 2019 Sampling Event
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/5/2019
Comments: Field work completed.

Title: SECOND SEMIANNUAL 2018 GROUND WATER MONITORING REPORT
Title Link:
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/2/2019
Comments: Ongoing monitoring. No letter issued.

Title: Addendum to the Supplemental Site Investigation Report 12/30/15
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60405131
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 11/21/2016
Comments:

Title: Human Health Risk Assessment Report for the Safety-Kleen of California
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60391046
Area Name: PROJECT WIDE
Area Link:
Sub Area:

Sub Area Link:
Document Type: Risk Assessment Report
Date Completed: 4/19/2016
Comments: No letter issued but and an e-mail. No further comments on RTCs.

Title: 2015-2016 Estimated Oversight Costs
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60400211
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/11/2015
Comments:

Title: Supplemental Site Investigation Work Plan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60275367
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Workplan
Date Completed: 9/5/2013
Comments:

Title: Groundwater Migration Controlled
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60299592
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Groundwater Migration Controlled
Date Completed: 9/26/2011
Comments:

Title: Well Installation and Sampling Plan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60254762
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: RFI Workplan Addendum
Date Completed: 5/5/2011
Comments:

Title: RFA Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60187995
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RCRA Facility Assessment Report
Date Completed: 1/19/2010
Comments:

Title: Safety-Kleen Newark Second Semi-Annual 2016 Groundwater Monitoring Report
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 5/18/2017
Comments: Ongoing GW monitoring. No letter issued.

Title: Human Health Risk Assessment Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60265325

Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Risk Assessment Workplan
Date Completed: 11/24/2014
Comments:

Title: Supplemental Site Investigation Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60277269
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 2/25/2014
Comments: DTSC approved the Supplemental Site Investigation Report.

Title: Consent Order
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=6014021
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 11/22/2004
Comments:

Title: Annual Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&enforcement_id=60526792
Area Name: PROJECT WIDE
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 10/20/2022
Comments:

Title: Second 2020 Semiannual Ground Water Monitoring Report
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Monitoring Report
Date Completed: 8/23/2021
Comments:

Title: Checklist for MNA Evaluation
Title Link:
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Corrective Measures Study Workplan Addendum
Date Completed: 4/7/2021
Comments:

Title: Corrective Measures Study Work Plan (Focused Feasibility Study for Groundwater)
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60432455
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: Corrective Measures Study Workplan
Date Completed: 6/27/2019

Comments:

Title: Ground Water Sampling and Monitoring Report - First Quarter 2013
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60322914
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: RFI Report
Date Completed: 8/13/2013
Comments:

Title: GROUNDWATER MONITORING PROGRAM –SAMPLING AN ANALYSIS PLAN
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001757&doc_id=60281064
Area Name: OU-2 Ground Water
Area Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001757&ou_id=1970913&hideside=True&printerfriendly=True
Sub Area:
Sub Area Link:
Document Type: RFI Workplan
Date Completed: 11/15/2011
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
74	7 of14	ESE	0.38 / 1,984.88	21.03 / 2	SAFETY-KLEEN OF CALIFORNIA INC 6880 SMITH AVE NEWARK CA 945600000	ENVIROSTOR

Estor/EPA ID: CAD980887418
Site Code: 200253
Nat Priority List:
APN:
Census Tract: 6001444601
Site Type: OPERATING PERMIT
- PERMITTED ACTIVITIES: CONTAINER, TANK STORAGE, TANK TREATMENT, OTHER TREATMENT
- PERMIT AUTHORITY: RCRA
Address Description: 6880 SMITH AVE
Office:
Special Program:
Funding:
Cleanup Status:
Cleanup Oversight Agencies:
School District:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Assembly District: 24
Senate District: 10
Permit Renewal Lead: SCOTT WARD
Public Partici Spclst: TAMMY PICKENS
Project Manager:
County: ALAMEDA
Latitude: 37.520877
Longitude: -122.020276
Acres:
Supervisor:

Site History:

QUARTERLY UPDATE:

Quarterly Update Period: April through June 2023

Safety Kleen Newark is regulated by DTSC through a RCRA-Equivalent Hazardous Waste Facility Permit issued in September 2021. No regulatory activity occurred during the April through June 2023 quarterly period.

No updates occurred during the second quarter of 2023.

FACILITY DESCRIPTION/ HISTORY

Evergreen Oil, Inc. (EOI) is located at 6880 Smith Avenue, Newark, Alameda County on a 7-acre site zoned MG (General Industrial) within an urbanized area surrounded by industrial sites. The EOI facility was built in 1985 on a previously undeveloped parcel.

The facility stores and treats hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products. EOI is now called Safety-Kleen of California, Inc.

PERMITTING REGULATORY DESCRIPTION/ HISTORY

State Hazardous Waste Permit was issued on October 10, 1985 to store and recycle used oil and for storage and transfer of antifreeze. A Class 3 Permit Modification was issued on May 9, 2002.

The facility is authorized to store and treat hazardous waste in tanks and containers including used oil, RCRA and non RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products. The RCRA permit was issued on 12/01/04. The permit decision was appealed on January 4, 2005.

On September 21, 2005, DTSC approved Evergreen's revised Work plan dated August 8, 2005 for Site Investigation/Geoprobe Sampling, Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) which includes the refinery and other areas of the facility.

On October 13, 2005, DTSC approved Evergreen's request dated September 14, 2005 for Class 1 Permit Modification of the December 1, 2004 Hazardous Waste Facility Permit. On October 26, 2005, DTSC denied the petition for review of the permit renewal and modification decision which was issued by DTSC on December 1, 2004.

This permit authorizes storage and treatment of hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products, with a maximum capacity of 692,000 gallons; 4 rail cars with storage capacity of 25,000 gallons for each car; 2 roll-off bins with a total storage capacity of 40 cubic yards; 3 storage pads for containers of RCRA and non-RCRA wastes with a maximum capacity equivalent to 1008 55- gallons drums. This permit also authorizes the treatment and storage of used oil in aboveground tanks with a maximum annual throughput of 45 million gallons; 10 million gallons per year of consolidation; solidification and transfer of containerized waste; 5 million gallons per year of RCRA fuel blending, and; 55 million gallon per year of RCRA and non-RCRA wastewater treatment and storage.

Status: OPERATING PERMIT
Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD980887418

Status: NO ACTION
Program Type: INSPECTION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/eerp_profile_report?global_id=3000092

Permit Units - Completed Activities

Date: 3/10/2019
Event Description: OPERATING WITH PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 8/5/2016
Event Description: RENEWAL - NO CHANGES - 1ST NOTICE OF DEFICIENCY ISSUED
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/6063703238/SafetyKleenNewark%5FNOD%5F20160805.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 6/30/2014
Event Description: *MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION (EFFECTIVE)
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:
Unit Link:

Date: 1/5/2005
Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EFFECTIVE)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 8/30/2021
Event Description: RENEWAL - NO CHANGES - PUBLIC COMMENT (END)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?

cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 3/10/2019
Event Description: PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Unit:
Doc Link:
Unit Link:

Date: 3/1/2019
Event Description: OPERATING WITH PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 3/1/2019
Event Description: PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Unit:
Doc Link:
Unit Link:

Date: 7/20/2017
Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 5/28/2004
Event Description: NEW OPERATING PERMIT - PUBLIC COMMENT (BEGIN)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 7/13/2021
Event Description: RENEWAL - NO CHANGES - PUBLIC COMMENT (BEGIN)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 2/22/2020
Event Description: MOD CLASS 2 - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 11/5/2019
Event Description: RENEWAL - NO CHANGES - RESPONSE TO 2ND NOD RECEIVED
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 2/9/2018
Event Description: MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Unit: RCRA RAIL CAR LOADING/UNLOADING STATION 1
Doc Link:
Unit Link:

Date: 8/22/2013
Event Description: *MOD CLASS 2 - 2 OR MORE UNITS - FINAL PERMIT MODIFICATION
Unit:
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/7090375602/EvergreenNewark%5FMod%5Fclarification%5F08%2D22%2D2013.pdf
Unit Link:

Date: 9/2/2031
Event Description: RENEWAL - NO CHANGES - FINAL PERMIT RENEWAL (EXPIRES)

Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 9/3/2021
Event Description: RENEWAL - NO CHANGES - FINAL PERMIT RENEWAL (EFFECTIVE)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 3/20/2020
Event Description: RENEWAL - NO CHANGES - 3RD NOTICE OF DEFICIENCY ISSUED
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 2/14/2020
Event Description: OPERATING WITH PC MOD CLASS 2 - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 2/14/2020
Event Description: MOD CLASS 2 - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 12/1/2004
Event Description: NEW OPERATING PERMIT - FINAL PERMIT
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=5705&document_category=FINAL+PERMIT&event_description=New+Operating+Permit+%2D+FINAL+PERMIT+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 7/9/2021
Event Description: RENEWAL - NO CHANGES - TECHNICAL COMPLETE LETTER
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 5/10/2021
Event Description: RENEWAL - NO CHANGES - DRAFT CEQA
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 2/22/2020
Event Description: OPERATING WITH PC MOD CLASS 2 - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 3/15/2018
Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 1/15/2018
Event Description: MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED

Unit: RCRA RAIL CAR LOADING/UNLOADING STATION 1
Doc Link:
Unit Link:

Date: 10/31/2016
Event Description: RENEWAL - NO CHANGES - RESPONSE TO 1ST NOD RECEIVED
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/9302982926/SafetyKleenCalifornia%5FResponseNOD1%5F20161031.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 5/6/2016
Event Description: RENEWAL - NO CHANGES - PUBLIC NOTICE - PERMIT RECEIVED
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=1107&document_category=PERMIT+RECEIVED&event_description=Renewal+%2D+No+Changes+%2D+PUBLIC+NOTICE+%2D+PERMIT+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 1/5/2015
Event Description: *MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION (EXPIRES)
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:
Unit Link:

Date: 6/27/2014
Event Description: RENEWAL - NO CHANGES - APPLICATION PART A RECEIVED
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 7/12/2004
Event Description: NEW OPERATING PERMIT - PUBLIC COMMENT (END)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 5/26/2004
Event Description: NEW OPERATING PERMIT - FINAL PART A & PART B RECEIVED
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=5705&document_category=FINAL+PART+A+%26+PART+B+RECEIVED&event_description=New+Operating+Permit+%2D+FINAL+PART+A+%26+PART+B+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 10/10/1985
Event Description: NEW OPERATING PERMIT - CEQA APPROVED AND FINAL PERMIT ISSUED
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/8802457511/1985%20Evergreen%20Oil%20Permit%20%28Safety%2DKleen%29%20CAD980887418%20%28002%29.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=2104

Date: 7/9/2021
Event Description: RENEWAL - NO CHANGES - DRAFT PERMIT RENEWAL
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 7/5/2021
Event Description: RENEWAL - NO CHANGES - FINAL PART A & PART B RECEIVED
Unit: MULTIPLE UNITS
Doc Link:

Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 2/22/2020
Event Description: PC MOD CLASS 2 - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Unit:
Doc Link:
Unit Link:

Date: 3/5/2018
Event Description: MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION
Unit: NON-RCRA USED OIL RECEIVING/STORAGE TANKS EAST END TANK FARM
Doc Link:
Unit Link:

Date: 3/1/2018
Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 6/30/2014
Event Description: *MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/3770856559/06302014%20Class%201%20Permit%20Modifications%20public%20notice%20EVG.pdf
Unit Link:

Date: 5/28/2004
Event Description: NEW OPERATING PERMIT - DRAFT PERMIT
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 9/3/2021
Event Description: RENEWAL - NO CHANGES - FINAL PERMIT RENEWAL
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/5156880021/SKI%20Newark%20Final%20RCRA%20Permit%202021%2E09%2E03%20signed.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 9/3/2021
Event Description: RENEWAL - NO CHANGES - CEQA DETERMINATION
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/5885253727/NoticeofDetermination%5FSKNewark%5F09%2E03%2E2021%20signed.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 6/1/2020
Event Description: RENEWAL - NO CHANGES - RESPONSE TO 3RD NOD RECEIVED
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/1231092154/Section%20IV%20Attachment%20IV%2D11%20Tank%20Assessments%20June%202020.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 2/14/2020
Event Description: PC MOD CLASS 2 - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Unit:
Doc Link:
Unit Link:

Date: 4/3/2019
Event Description: RENEWAL - NO CHANGES - 2ND NOTICE OF DEFICIENCY ISSUED
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/3627445816/SK%20Newark%202nd%20NOD%

2020190403%20signed.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 3/10/2019
Event Description: MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 3/1/2019
Event Description: MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 8/14/2017
Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION RECEIVED
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Date: 7/20/2017
Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - 1ST REQUEST FOR FURTHER INFORMATION
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/5046643912/Safety%20Kleen%20072017.pdf
Unit Link:

Date: 1/5/2015
Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EXPIRES)
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Date: 6/27/2014
Event Description: RENEWAL - NO CHANGES - APPLICATION PART B RECEIVED
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=1107&document_category=INITIAL+PART+B+RECEIVED&event_description=Renewal+%2D+No+Changes+%2D+APPLICATION+PART+B+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Date: 6/20/2003
Event Description: NEW OPERATING PERMIT - APPLICATION PART B RECEIVED
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=5705&document_category=INITIAL+PART+B+RECEIVED&event_description=New+Operating+Permit+%2D+APPLICATION+PART+B+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Units Undergoing Closure

Date: 5/14/2018
Event Description: CLOSURE - 3RD NOTICE OF DEFICIENCY ISSUED
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Date: 2/21/2018
Event Description: CLOSURE - 2ND NOTICE OF DEFICIENCY ISSUED
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Date: 12/9/2022
Event Description: CLOSURE - ISSUE CLOSURE VERIFICATION

Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/1272840201/2022%2D12%2D9%20WTS%2DDAF%20Partial%20Closure%20Acceptance%20%28DTSC%29.pdf

Date: 2/17/2015
Event Description: CLOSURE - CLOSURE NOTICE RECEIVED
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Date: 2/2/2018
Event Description: CLOSURE - RESPONSE TO 1ST NOD RECEIVED
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Date: 4/23/2018
Event Description: CLOSURE - RESPONSE TO 2ND NOD RECEIVED
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Date: 12/10/2018
Event Description: CLOSURE - RECEIVE CLOSURE CERTIFICATION
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Permit Maintenance - Completed Activities

Title: Annual Training Certification 66264.16(f)
Title Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?cmd=radocuments&global_id=CAD980887418&enforcement_id=60010166
Document Type: CERTIFICATION DOCUMENTS FROM FACILITY
Date Completed: 3/1/2023

Title: Temporary Unit to be added to Wastewater Treatment Process
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 3/9/2014

Title: Submittal Class 1 Permit Modification and Notification of Partial Closure Activities
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 2/5/2014

Title: Permit Call-In to Review the RCRA Hazardous Waste Facility Permit
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 10/2/2013

Title: Annual Training Certification 66264.16(f)
Title Link:
Document Type: CERTIFICATION DOCUMENTS FROM FACILITY
Date Completed: 3/1/2021

Title: Roll-off Reaction/Fire
Title Link:
Document Type: INVESTIGATION REPORT
Date Completed: 10/8/2013

Title: Name Change for Evergreen Oil, Inc. facilities and Evergreen Environmental Services Carson
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 1/13/2014

Title: Permit modification for Evergreen Oil, Inc. (Name Change in the Database)
Title Link:
Document Type: RESPOND TO FACILITY INQUIRIES
Date Completed: 9/22/2014

Title: Temporary Replacement of WWT Unit

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title Link:
Document Type: RESPOND TO FACILITY INQUIRIES
Date Completed: 4/29/2014

Title: Tank T-800 Overflow
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 10/13/2013

Title: Gas Release - Flare Seal Drum Malfunction
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 12/1/2013

Title: Tank T-800 Overflow
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 11/25/2013

74	8 of14	ESE	0.38 / 1,984.88	21.03 / 2	SAFETY-KLEEN OF CALIFORNIA INC 6880 SMITH AVE NEWARK CA 945600000	HWP

Estor/EPA ID: CAD980887418
Nat Priority List:
Census Tract: 6001444601
Permit Renewl Lead: SCOTT WARD
Project Manager:
Site Code: 200253
Cleanup Status:
Cleanup Oversight Agencies:
Assembly District: 24
Senate District: 10
School District:
Office:
Public Participatn Spclst: TAMMY PICKENS
Special Program:
Funding:
Site Type: OPERATING PERMIT
- PERMITTED ACTIVITIES: CONTAINER, TANK STORAGE, TANK TREATMENT, OTHER TREATMENT
- PERMIT AUTHORITY: RCRA

Acres:
Supervisor:
County: ALAMEDA
Latitude: 37.520877
Longitude: -122.020276

APN:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contaminants of Concern:

Site History:

QUARTERLY UPDATE:

Quarterly Update Period: April through June 2023

Safety Kleen Newark is regulated by DTSC through a RCRA-Equivalent Hazardous Waste Facility Permit issued in September 2021. No regulatory activity occurred during the April through June 2023 quarterly period.

No updates occurred during the second quarter of 2023.

FACILITY DESCRIPTION/ HISTORY

Evergreen Oil, Inc. (EOI) is located at 6880 Smith Avenue, Newark, Alameda County on a 7-acre site zoned MG (General Industrial) within an urbanized area surrounded by industrial sites. The EOI facility was built in 1985 on a previously undeveloped parcel.

The facility stores and treats hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products. EOI is now called Safety-Kleen of California, Inc.

PERMITTING REGULATORY DESCRIPTION/ HISTORY

State Hazardous Waste Permit was issued on October 10, 1985 to store and recycle used oil and for storage and transfer of antifreeze. A Class 3

Permit Modification was issued on May 9, 2002.

The facility is authorized to store and treat hazardous waste in tanks and containers including used oil, RCRA and non RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products. The RCRA permit was issued on 12/01/04. The permit decision was appealed on January 4, 2005.

On September 21, 2005, DTSC approved Evergreen's revised Work plan dated August 8, 2005 for Site Investigation/Geoprobe Sampling, Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) which includes the refinery and other areas of the facility.

On October 13, 2005, DTSC approved Evergreen's request dated September 14, 2005 for Class 1 Permit Modification of the December 1, 2004 Hazardous Waste Facility Permit. On October 26, 2005, DTSC denied the petition for review of the permit renewal and modification decision which was issued by DTSC on December 1, 2004.

This permit authorizes storage and treatment of hazardous waste in tanks and containers including used oil, RCRA and non-RCRA oily waste waters, waste antifreeze, RCRA fuel and contaminated petroleum products, with a maximum capacity of 692,000 gallons; 4 rail cars with storage capacity of 25,000 gallons for each car; 2 roll-off bins with a total storage capacity of 40 cubic yards; 3 storage pads for containers of RCRA and non-RCRA wastes with a maximum capacity equivalent to 1008 55- gallons drums. This permit also authorizes the treatment and storage of used oil in aboveground tanks with a maximum annual throughput of 45 million gallons; 10 million gallons per year of consolidation; solidification and transfer of containerized waste; 5 million gallons per year of RCRA fuel blending, and; 55 million gallon per year of RCRA and non-RCRA wastewater treatment and storage.

Status: NO ACTION
Program Type: INSPECTION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/eerp_profile_report?global_id=3000092

Status: OPERATING PERMIT
Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD980887418

Permit Units - Completed Activities

Event Description: RENEWAL - NO CHANGES - APPLICATION PART A RECEIVED
Date: 6/27/2014
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: NEW OPERATING PERMIT - FINAL PERMIT
Date: 12/1/2004
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=5705&document_category=FINAL+PERMIT&event_description=New+Operating+Permit+%2D+FINAL+PERMIT+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: RENEWAL - NO CHANGES - DRAFT CEQA
Date: 5/10/2021
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: RENEWAL - NO CHANGES - RESPONSE TO 3RD NOD RECEIVED
Date: 6/1/2020
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/1231092154/Section%20IV%20Attachment%20IV%2D11%20Tank%20Assessments%20June%202020.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Date: 1/15/2018
Unit: RCRA RAIL CAR LOADING/UNLOADING STATION 1
Doc Link:

Unit Link:

Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION RECEIVED
Date: 8/14/2017
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - PUBLIC NOTICE - PERMIT RECEIVED
Date: 5/6/2016
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=1107&document_category=PERMIT+RECEIVED&event_description=Renewal+%2D+No+Changes+%2D+PUBLIC+NOTICE+%2D+PERMIT+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: *MOD CLASS 2 - 2 OR MORE UNITS - FINAL PERMIT MODIFICATION
Date: 8/22/2013
Unit:
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/7090375602/EvergreenNewark%5FMod%5Fclarification%5F08%2D22%2D2013.pdf
Unit Link:

Event Description: NEW OPERATING PERMIT - DRAFT PERMIT
Date: 5/28/2004
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: RENEWAL - NO CHANGES - FINAL PERMIT RENEWAL (EFFECTIVE)
Date: 9/3/2021
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: RENEWAL - NO CHANGES - 3RD NOTICE OF DEFICIENCY ISSUED
Date: 3/20/2020
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: OPERATING WITH PC MOD CLASS 2 - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Date: 2/14/2020
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - RESPONSE TO 2ND NOD RECEIVED
Date: 11/5/2019
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Date: 3/10/2019
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: *MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION
Date: 6/30/2014
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/3770856559/06302014%20Class%201%20Permit%20Modifications%20public%20notice%20EVG.pdf

Unit Link:

Event Description: OPERATING WITH PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Date: 3/1/2019
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION
Date: 3/5/2018
Unit: NON-RCRA USED OIL RECEIVING/STORAGE TANKS EAST END TANK FARM
Doc Link:
Unit Link:

Event Description: MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Date: 2/9/2018
Unit: RCRA RAIL CAR LOADING/UNLOADING STATION 1
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - RESPONSE TO 1ST NOD RECEIVED
Date: 10/31/2016
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/9302982926/SafetyKleenCalifornia%5FResponseNOD1%5F20161031.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: NEW OPERATING PERMIT - PUBLIC COMMENT (END)
Date: 7/12/2004
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: NEW OPERATING PERMIT - PUBLIC COMMENT (BEGIN)
Date: 5/28/2004
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: NEW OPERATING PERMIT - APPLICATION PART B RECEIVED
Date: 6/20/2003
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=5705&document_category=INITIAL+PART+B+RECEIVED&event_description=New+Operating+Permit+%2D+APPLICATION+PART+B+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: RENEWAL - NO CHANGES - FINAL PERMIT RENEWAL
Date: 9/3/2021
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/5156880021/SKI%20Newark%20Final%20RCRA%20Permit%202021%2E09%2E03%20signed.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: RENEWAL - NO CHANGES - PUBLIC COMMENT (BEGIN)
Date: 7/13/2021
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: MOD CLASS 2 - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Date: 2/14/2020
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)

Doc Link:
Unit Link:

Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Date: 7/20/2017
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - 1ST REQUEST FOR FURTHER INFORMATION
Date: 7/20/2017
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/5046643912/Safety%20Kleen%20072017.pdf
Unit Link:

Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EXPIRES)
Date: 1/5/2015
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: NEW OPERATING PERMIT - CEQA APPROVED AND FINAL PERMIT ISSUED
Date: 10/10/1985
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/8802457511/1985%20Evergreen%20Oil%20Permit%20%28Safety%2DKleen%29%20CAD980887418%20%28002%29.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=2104

Event Description: RENEWAL - NO CHANGES - CEQA DETERMINATION
Date: 9/3/2021
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/5885253727/NoticeofDetermination%5FSKNewark%5F09%2E03%2E2021%20signed.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: PC MOD CLASS 2 - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Date: 2/22/2020
Unit:
Doc Link:
Unit Link:

Event Description: MOD CLASS 2 - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Date: 2/22/2020
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: *MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION (EXPIRES)
Date: 1/5/2015
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:
Unit Link:

Event Description: NEW OPERATING PERMIT - FINAL PART A & PART B RECEIVED
Date: 5/26/2004
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=5705&document_category=FINAL+PART+A+%26+PART+B+RECEIVED&event_description=New+Operating+Permit+%2D+FINAL+PART+A+%26+PART+B+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: RENEWAL - NO CHANGES - PUBLIC COMMENT (END)
Date: 8/30/2021
Unit: MULTIPLE UNITS

Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: RENEWAL - NO CHANGES - DRAFT PERMIT RENEWAL
Date: 7/9/2021
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: OPERATING WITH PC MOD CLASS 2 - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Date: 2/22/2020
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - APPLICATION PART B RECEIVED
Date: 6/27/2014
Unit: MULTIPLE UNITS
Doc Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?global_id=CAD980887418&link_key=1107&document_category=INITIAL+PART+B+RECEIVED&event_description=Renewal+%2D+No+Changes+%2D+APPLICATION+PART+B+RECEIVED+&mytype=pa
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: NEW OPERATING PERMIT - FINAL PERMIT (EFFECTIVE)
Date: 1/5/2005
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=5705

Event Description: RENEWAL - NO CHANGES - TECHNICAL COMPLETE LETTER
Date: 7/9/2021
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: RENEWAL - NO CHANGES - FINAL PART A & PART B RECEIVED
Date: 7/5/2021
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: PC MOD CLASS 2 - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Date: 2/14/2020
Unit:
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - 2ND NOTICE OF DEFICIENCY ISSUED
Date: 4/3/2019
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/3627445816/SK%20Newark%202nd%20NOD%2020190403%20signed.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: OPERATING WITH PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Date: 3/10/2019
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Date: 3/1/2019

Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Date: 3/15/2018
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: MOD CLASS 1* - PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Date: 3/1/2018
Unit: RCRA WASTEWATER TREATMENT PLANT (WWTP)
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - 1ST NOTICE OF DEFICIENCY ISSUED
Date: 8/5/2016
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/6063703238/SafetyKleenNewark%5FNOD%5F20160805.pdf
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: *MOD CLASS 1 - NO PRIOR APPROVAL REQUIRED - FINAL PERMIT MODIFICATION (EFFECTIVE)
Date: 6/30/2014
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:
Unit Link:

Event Description: RENEWAL - NO CHANGES - FINAL PERMIT RENEWAL (EXPIRES)
Date: 9/2/2031
Unit: MULTIPLE UNITS
Doc Link:
Unit Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_showunits?cmd=showpaunits&global_id=CAD980887418&link_key=1107

Event Description: PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST ACKNOWLEDGED
Date: 3/10/2019
Unit:
Doc Link:
Unit Link:

Event Description: PC MOD CLASS 2 - FINAL PERMIT MODIFICATION - WITHDRAWAL REQUEST RECEIVED
Date: 3/1/2019
Unit:
Doc Link:
Unit Link:

Units Undergoing Closure

Event Description: CLOSURE - RECEIVE CLOSURE CERTIFICATION
Date: 12/10/2018
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Event Description: CLOSURE - ISSUE CLOSURE VERIFICATION
Date: 12/9/2022
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/1272840201/2022%2D12%2D9%20WTS%2DDAF%20Partial%20Closure%20Acceptance%20%28DTSC%29.pdf

Event Description: CLOSURE - 3RD NOTICE OF DEFICIENCY ISSUED
Date: 5/14/2018
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Event Description: CLOSURE - CLOSURE NOTICE RECEIVED
Date: 2/17/2015
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Event Description: CLOSURE - RESPONSE TO 2ND NOD RECEIVED
Date: 4/23/2018
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Event Description: CLOSURE - 2ND NOTICE OF DEFICIENCY ISSUED
Date: 2/21/2018
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Event Description: CLOSURE - RESPONSE TO 1ST NOD RECEIVED
Date: 2/2/2018
Unit: WASTEWATER TREATMENT SYSTEM WTS-DAF
Doc Link:

Permit Maintenance - Completed Activities

Title: Tank T-800 Overflow
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 11/25/2013

Title: Roll-off Reaction/Fire
Title Link:
Document Type: INVESTIGATION REPORT
Date Completed: 10/8/2013

Title: Permit Call-In to Review the RCRA Hazardous Waste Facility Permit
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 10/2/2013

Title: Temporary Replacement of WWT Unit
Title Link:
Document Type: RESPOND TO FACILITY INQUIRIES
Date Completed: 4/29/2014

Title: Submittal Class 1 Permit Modification and Notification of Partial Closure Activities
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 2/5/2014

Title: Gas Release - Flare Seal Drum Malfunction
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 12/1/2013

Title: Tank T-800 Overflow
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 10/13/2013

Title: Annual Training Certification 66264.16(f)
Title Link:
Document Type: CERTIFICATION DOCUMENTS FROM FACILITY
Date Completed: 3/1/2021

Title: Name Change for Evergreen Oil, Inc. facilities and Evergreen Environmental Services Carson
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 1/13/2014

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Title: Permit modification for Evergreen Oil, Inc. (Name Change in the Database)
Title Link:
Document Type: RESPOND TO FACILITY INQUIRIES
Date Completed: 9/22/2014

Title: Temporary Unit to be added to Wastewater Treatment Process
Title Link:
Document Type: LETTER FROM FACILITY
Date Completed: 3/9/2014

Title: Annual Training Certification 66264.16(f)
Title Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_final_documents?cmd=radocuments&global_id=CAD980887418&enforcement_id=60010166
Document Type: CERTIFICATION DOCUMENTS FROM FACILITY
Date Completed: 3/1/2023

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74 | 9 of14 | ESE | 0.38 / 1,984.88 | 21.03 / 2 | EVERGREEN OIL INC.
6880 SMITH ST.
NEWARK CA 94560 | SEMS ARCHIVE

Site ID: 0904289
EPA ID: CAD980887418
Superfund Alte Agr: No
Federal Facility: No
FF Docket: No
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

FIPS Code: 06001
Cong District: 10
Region: 09
County: ALAMEDA

Action Information

Operable Units: 00
Action Code: VS
Action Name: ARCH SITE
Start Actual:
Finish Actual: 01/23/1996
Curr Action Lead: EPA Perf In-Hse

Qual:
SEQ: 1
FF: N
FF Docket: N
Region: 09

Operable Units: 00
Action Code: PA
Action Name: PA
Start Actual:
Finish Actual: 03/31/1992
Curr Action Lead: EPA Perf

Qual: D
SEQ: 1
FF: N
FF Docket: N
Region: 09

Operable Units: 00
Action Code: DS
Action Name: DISCVRY
Start Actual: 10/03/1991
Finish Actual: 10/03/1991
Curr Action Lead: EPA Perf

Qual:
SEQ: 1
FF: N
FF Docket: N
Region: 09

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74 | 10 of14 | ESE | 0.38 / 1,984.88 | 21.03 / 2 | EVERGREEN ENVIRONMENTAL SERVICES
6880 SMITH AVE
NEWARK CA 94560 | PCB

Site ID: CAD982413262
Receive Date:
Generator: No
Storer: No
Transporter: Yes
Disposer: No
Research: No
Smelter: No
Owner Name: EVERGREEN OIL, INC
Mail Address 1: PO BOX 248

Cert Title:
Cert Date: 2/23/2010 12:00:00 AM
Cert Name:
State Name: CALIFORNIA
Region: 09
GIS Data Origin: Auto-Geocoded
Latitude: 37.521712
Longitude: -122.021141

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Mail Address 2:
Mail Street No:
Mail City: NEWARK
Mail State: CA
Mail Zip: 94560
Mail Country: US
Contact Name: STEPHEN DOUGLAS
Contact Title: CORPORATE COMPLIANCE MANAGER
Contact Phone: 510-795-4400
Contact Phone Ext:
Contact Email:

74	11 of14	ESE	0.38 / 1,984.88	21.03 / 2	EVERGREEN ENVIRONMENTAL SRVCS 6880 SMITH AVENUE NEWARK CA 94560	PCB

Site ID: CA0001118827
Receive Date:
Generator: No
Storer: No
Transporter: Yes
Disposer: No
Research: No
Smelter: No
Owner Name: EVERGREEN OIL, INC
Mail Address 1: 6880 SMITH AVENUE
Mail Address 2:
Mail Street No:
Mail City: NEWARK
Mail State: CA
Mail Zip: 94560
Mail Country: US
Contact Name: JANE BURNS
Contact Title:
Contact Phone: 510-795-4400
Contact Phone Ext:
Contact Email:

Cert Title:
Cert Date: 6/15/1995 12:00:00 AM
Cert Name:
State Name: CALIFORNIA
Region: 09
GIS Data Origin: Auto-Geocoded
Latitude: 37.521712
Longitude: -122.021141

74	12 of14	ESE	0.38 / 1,984.88	21.03 / 2	SAFETY-KLEEN OF CALIFORNIA 6880 SMITH AVE NEWARK CA 94560	C&D DEBRIS RECY

County: ALAMEDA

Activity Type: USED OIL REMANUFACTURING
Phone No: (510) 795-4400

74	13 of14	ESE	0.38 / 1,984.88	21.03 / 2	SAFETY-KLEEN OF CALIFORNIA INC 6880 SMITH AVE NEWARK CA 945600000	HAZ TSD

EPA ID: CAD980887418
Facility Street2:
Facility County: 01
County: Alameda
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAD980887418

74	14 of14	ESE	0.38 / 1,984.88	21.03 / 2	EVERGREEN ENVIRONMENTAL SERVICES 6880 SMITH AVE	HAZ TSD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					NEWARK CA 945600000	

EPA ID: CAD982413262
Facility Street2:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAD982413262
Facility County: 01
County: Alameda

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
75	1 of2	NE	0.39 / 2,065.51	24.00 / 5	POMEGRANATE PROPERTY 6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE NEWARK CA 94560	VCP

Estor/EPA ID: 60003107
Nat Priority List: NO
Census Tract: 6001444601
Permit Renewl Lead:
Project Manager: ELIZABETH CHUNG
Site Code: 202358
Cleanup Status: NO FURTHER ACTION AS OF 9/30/2021
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
Assembly District: 24
Senate District: 10
School District:
Office: CLEANUP BERKELEY
Public Participatn Spclst:
Special Program: VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT
Funding: SITE PROPONENT
Site Type: VOLUNTARY AGREEMENT
APN: 092A214110200, 092A214304002, 092A214304100, 092A214304200
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

NONE SPECIFIED

Site History:

Historically, the site was used as orchards prior to residential construction. Soil impacted with arsenic, lead and organochlorine pesticides from the agricultural activities and former buildings was removed and disposed off-site prior to entering into a Standard Voluntary Agreement with DTSC. In June 2021, additional soil samples were collected, under DTSC's oversight, in the northwestern portion of the site to address data gaps identified from previous investigations. The analytical data for confirmation samples and additional characterization samples were below the residential screening levels. DTSC determined that no further action (NFA) is adequate and a NFA letter was sent on September 30, 2021. YCH 1/7/2022

Status: NO FURTHER ACTION
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60003107

Completed Activities

Title: Site Visit Photographs
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&doc_id=60499664
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/30/2021
Comments:

Title: 2021-2022 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&enforcement_id=60504598
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/10/2021
Comments:

Title: Pomegranate Property Soil Sampling and Preliminary Endangerment Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&doc_id=60498364
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 10/1/2021
Comments: Historically, the site was used as orchards prior to residential construction. Soil impacted with arsenic, lead and organochlorine pesticides from the agricultural activities and former buildings was removed and disposed off-site prior to entering into a Standard Voluntary Agreement with DTSC. In June 2021, additional soil samples were collected, under DTSC's oversight, in the northwestern portion of the site to address data gaps identified from previous investigations. The analytical data for confirmation samples and additional characterization samples were below the residential screening levels. DTSC determined that no further action is required for the site at this time.

Title: Phase I Environmental Site Assessment
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 5/5/2021
Comments: Phase I has been reviewed for the purpose of obtaining information to write the Standard Voluntary Agreement (SVA).

Title: Project Management
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Project Management
Date Completed: 1/7/2022
Comments: No Further Action letter has been sent to the RP on September 20, 2021.

Title: Standard Voluntary Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&enforcement_id=60493863
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 5/21/2021
Comments: Final Executed Standard Voluntary Agreement, signed by Branch Chief

Title: No Further Action Letter
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&enforcement_id=60505772
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: No Further Action Letter
Date Completed: 10/1/2021
Comments: Historically, the site was used as orchards prior to residential construction. Soil impacted with arsenic, lead and organochlorine pesticides from the agricultural activities and former buildings was removed and disposed off-site prior to entering into a Standard Voluntary Agreement with DTSC. In June 2021, additional soil samples were collected, under DTSC's oversight, in the northwestern portion of the site to address data gaps identified from previous investigations. The analytical data for confirmation samples and additional characterization samples were below the residential screening levels. DTSC determined that no further action is adequate for the site at this time.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
75	2 of2	NE	0.39 / 2,065.51	24.00 / 5	POMEGRANATE PROPERTY 6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE NEWARK CA 94560	ENVIROSTOR

Estor/EPA ID: 60003107
Site Code: 202358
Nat Priority List: NO
APN: 092A214110200, 092A214304002, 092A214304100, 092A214304200
Census Tract: 6001444601
Site Type: VOLUNTARY AGREEMENT
Address Description: 6250 POMEGRANATE AVENUE AND 6147, 6163, 6179 ROBERTSON AVENUE
Office: CLEANUP BERKELEY
Special Program: VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT
Funding: SITE PROPONENT
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: ELIZABETH CHUNG
County: ALAMEDA
Latitude: 37.5305808156514
Longitude: -122.021127626459
Acres: 3.6 ACRES
Supervisor: MARIKKA HUGHES
Cleanup Status: NO FURTHER ACTION AS OF 9/30/2021
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Site History:

Historically, the site was used as orchards prior to residential construction. Soil impacted with arsenic, lead and organochlorine pesticides from the agricultural activities and former buildings was removed and disposed off-site prior to entering into a Standard Voluntary Agreement with DTSC. In June 2021, additional soil samples were collected, under DTSC's oversight, in the northwestern portion of the site to address data gaps identified from previous investigations. The analytical data for confirmation samples and additional characterization samples were below the residential screening levels. DTSC determined that no further action (NFA) is adequate and a NFA letter was sent on September 30, 2021. YCH 1/7/2022

Potential Contamin of Concern:

NONE SPECIFIED

Status: NO FURTHER ACTION
Program Type: VOLUNTARY CLEANUP
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60003107

Completed Activities

Title: Pomegranate Property Soil Sampling and Preliminary Endangerment Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&doc_id=60498364
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 10/1/2021
Comments: Historically, the site was used as orchards prior to residential construction. Soil impacted with arsenic, lead and organochlorine pesticides from the agricultural activities and former buildings was removed and disposed off-site prior to entering into a Standard Voluntary Agreement with DTSC. In June 2021, additional soil samples were collected, under DTSC's oversight, in the northwestern portion of the site to address data gaps identified from previous investigations. The analytical data for confirmation samples and additional characterization samples were below the residential screening levels. DTSC determined that no further action is required for the site at this time.

Title: Phase I Environmental Site Assessment
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Phase 1
Date Completed: 5/5/2021
Comments: Phase I has been reviewed for the purpose of obtaining information to write the Standard Voluntary Agreement (SVA).

Title: No Further Action Letter
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&enforcement_id=60505772
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: No Further Action Letter
Date Completed: 10/1/2021
Comments: Historically, the site was used as orchards prior to residential construction. Soil impacted with arsenic, lead and organochlorine pesticides from the agricultural activities and former buildings was removed and disposed off-site prior to entering into a Standard Voluntary Agreement with DTSC. In June 2021, additional soil samples were collected, under DTSC's oversight, in the northwestern portion of the site to address data gaps identified from previous investigations. The analytical data for confirmation samples and additional characterization samples were below the residential screening levels. DTSC determined that no further action is adequate for the site at this time.

Title: 2021-2022 Annual Oversight Cost Estimate
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&enforcement_id=60504598
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Annual Oversight Cost Estimate
Date Completed: 9/10/2021
Comments:

Title: Site Visit Photographs
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&doc_id=60499664
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 6/30/2021
Comments:

Title: Project Management
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Project Management
Date Completed: 1/7/2022
Comments: No Further Action letter has been sent to the RP on September 20, 2021.

Title: Standard Voluntary Agreement
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60003107&enforcement_id=60493863
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 5/21/2021
Comments: Final Executed Standard Voluntary Agreement, signed by Branch Chief

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
76	1 of1	WNW	0.40 / 2,118.73	20.76 / 2	A O SMITH CORPORATION 37171 SYCAMORE STREET NEWARK CA 94560	ENVIROSTOR

Estor/EPA ID: 01360027
Site Code:
Nat Priority List: NO
APN: 92-54-8
Census Tract: 6001444500
Site Type: * HISTORICAL
Address Description: 37171 SYCAMORE STREET
Office: CLEANUP BERKELEY

Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.5274821300025
Longitude: -122.035349560926

Special Program: ***Acres:*** NONE SPECIFIED
Funding: ***Supervisor:***
Cleanup Status: REFER: OTHER AGENCY AS OF 9/27/2002
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

HALOGENATED SOLVENTS
LEAD
MERCURY AND COMPOUNDS

Site History:

The James Graham Manufacturing Company owned and operated the site from 1882 to 1953. It was sold to Rheem Manufacturing in 1953. These previous owners manufactured gauge and railroad car parts, and casting and assembly of stove parts. The property was sold to A.O. Smith in 1957. A. O. Smith manufactered water heaters. The manufacturing process included forming of coiled steel into water heater components and finishing and assembly of components and other heater parts from suppliers. A.O. Smith also stored and shipped water heaters from this facility until plant closure in 1985. The buildings were demolished in 1988. The site was vacant until 1999 when it was developed into a gated three-story apartment complex by the current property owner, Sycamore Bay LLC. Site investigation conducted in 1988 to 1989 revealed soil and groundwater contamination. A series of soil and groudwater sampling were conducted from 1988 to 1990 which revealed in soil: total petroleum hydrocarbons as diesel and as gasoline, toluene, xylene, oil and grease, lead, chromium, barium, mercury and zinc. Groundwater samples showed the following contaminants: chromium, 1,2-dichloroethane (1,1-DCA), 1,1 dicloroethylene above drinking water standards. Soil removal activities were conducted under the direct oversight of the Alameda County Department of Environmental Health (ACDEH) from July 1992 to March 1993. The risk-based clean up level used lead was 340 ppm. Approximately 17,600 tons of metal contaminated soil was excavated and disposed offsite. Approximately 11,900 cubic yards of contaminated soil was excavated and hauled for offsite disposal. Groundwater remediation was initiated in 1993 and is still ongoing under the oversight of the Alameda County Water District.

Status: REFER: OTHER AGENCY
Program Type: HISTORICAL
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01360027

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 12/20/1989
Comments:

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 12/1/1989
Comments:

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77 | ***1 of2*** | ***WNW*** | ***0.41 / 2,172.17*** | ***19.92 / 1*** | ***EUROPEAN AUTO WRECKING***
7324 WELLS AVENUE
NEWARK CA 94560 | ***CLEANUP SITES***

Global ID: SL0600161190
Site Facility Type:
Cleanup Status:
Status (SRCH): OPEN - VERIFICATION MONITORING
Status (DL):
Status Date (DL):
Address: 7324 WELLS AVENUE
Case Type (DL):
Census Tract: 6001444302
RWQCB Region (DL):
Longitude:
Latitude:

City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0615
Local Case No: 0335
Begin Date: 9/9/2004
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Lead, MTBE / TBA / Other Fuel Oxygenates, Total Petroleum Hydrocarbons (TPH)
How Discovered: Facility Inspection
Stop Method: Change Operating Procedures
Stop Description:
Case Worker: EC
Military DoD Site: No
Leak Reported Dt: 1992-10-12 00:00:00
No Further Action Dt:
Potential Media of Concern: Other Groundwater (uses other than drinking water), Soil
How Discovered Description: Facility Inspection
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community: Disadvantaged Community
Coordinate Source: Google Geocode
Discharge Cause: Spill
Discharge Source: Other
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 45-50%
File Location: Local Agency
Site History:

This site is currently a wrecking yard and repair shop. Historically, the site reportedly stored and handled hazardous materials including corrosives, petroleum products, and solvents. Surficial contamination was first reported by City of Newark Inspector in 1992. In 2001, a Phase II site assessment reported up to 1,600 mg/kg of lead and 4,000 mg/kg of diesel in the soil samples collected.

GeoTracker Sites Data Download - Status History

Status: Open
Status Date: 2004-09-09 00:00:00

Status: Open - Verification Monitoring
Status Date: 2004-09-09 00:00:00

Status: Open - Case Begin Date
Status Date: 2004-09-09 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: EILEEN CHEN
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD.
City: FREMONT
Email: eileen.chen@acwd.com
Phone No:

Contact Type: Regional Board Caseworker

Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cherie.mccaulou@waterboards.ca.gov
Phone No:	

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	
CUF Priority Assign:	
CUF Amount Paid:	
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	LOCAL AGENCY
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
Designated Beneficl Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:	
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600161190
Cleanup Status Detail:	OPEN - VERIFICATION MONITORING AS OF 9/9/2004
Potential COC:	LEAD, MTBE / TBA / OTHER FUEL OXYGENATES, TOTAL PETROLEUM HYDROCARBONS (TPH)
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER), SOIL
Groundwater Monitoring Freq:	
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0335 CASE MANAGER: EILEEN CHEN SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0615 CASE MANAGER: Cherie McCaulou
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600161190&tabname=regulatoryhistory

Site History:

This site is currently a wrecking yard and repair shop. Historically, the site reportedly stored and handled hazardous materials including corrosives, petroleum products, and solvents. Surficial contamination was first reported by City of Newark Inspector in 1992. In 2001, a Phase II site assessment reported up to 1,600 mg/kg of lead and 4,000 mg/kg of diesel in the soil samples collected.

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type:	Enforcement - Other
Action:	UNK
Action Date:	
Received Issue Date:	
Doc Link:	
Title Description Comments:	

Action Type:	Other Regulatory Actions
Action:	File review
Action Date:	9/10/2012
Received Issue Date:	9/10/2012
Doc Link:	
Title Description Comments:	

Action Type:	Other Regulatory Actions
Action:	Site Visit / Inspection / Sampling
Action Date:	6/1/2009
Received Issue Date:	6/1/2009

Doc Link:
Title Description Comments:

Sampling

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 7/19/2005
Received Issue Date: 7/19/2005
Doc Link:
Title Description Comments:

Well Installation Report

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 7/19/2005
Received Issue Date: 7/19/2005
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600161190&doc_id=6055787
Title Description Comments:

Well Installation Report

Action Type: Response Requested - Workplans
Action: Site Investigation Workplan
Action Date: 9/8/2004
Received Issue Date: 9/8/2004
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600161190&doc_id=5969785
Title Description Comments:

Draft workplan for site investigation and cleanup at 7324 Wells Avenue Newark

Action Type: Leak Action
Action: Leak Discovery
Action Date: 10/12/1992
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 10/12/1992
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 7/19/2005
Type: WELL INSTALLATION REPORT ***Submitted:***
Submitted By: EILEEN CHEN (REGULATOR)
Title: WELL INSTALLATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600161190&document_id=6055787

Document Type: Site Documents ***Document Date:*** 9/8/2004
Type: SITE INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: CHERIE MCCAULOU (REGULATOR)
Title: DRAFT WORKPLAN FOR SITE INVESTIGATION AND CLEANUP AT 7324 WELLS AVENUE NEWARK
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600161190&document_id=5969785

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status: Open - Case Begin Date
Date: 9/9/2004

Status: Open - Verification Monitoring
Date: 9/9/2004

Status: Open
Date: 9/9/2004

---

77 | **2 of2** | **WNW** | **0.41 / 2,172.17** | **19.92 / 1** | **EUROPEAN AUTO WRECKING**
7324 WELLS AVENUE
NEWARK CA 94560
CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - VERIFICATION MONITORING
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600161190
Fac ID:
Desc:

Inv Party:
Inv P Type:

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78 | **1 of1** | **W** | **0.41 / 2,175.53** | **18.23 / -1** | **NEWARK RADIATOR SERVICE**
37350 FILBERT ST
NEWARK CA 94560
DELISTED HAZ

Siteid: 51703
Latitude: 37.525864
Longitude: -122.036360
Original Source: CHAZ
Record Date: 09-JUL-2018

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79 | **1 of3** | **WNW** | **0.41 / 2,179.35** | **20.22 / 1** | **SMITH (A.O.) WATER PRODUCTS**
37171 SYCAMORE STREET
NEWARK CA 94560
CLEANUP SITES

Global ID: SL0600106796
Site Facility Type:
Cleanup Status:
Status (SRCH): OPEN - SITE ASSESSMENT
Status (DL):
Status Date (DL):
Address: 37171 SYCAMORE STREET
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

Case Type (DL):
Census Tract: 6001444500
RWQCB Region (DL):
Longitude:
Latitude:

GeoTracker Sites Data Download - Site Details

RB Case No: 01S0166
Local Case No: 0107
Begin Date: 8/6/2003
Lead Agency: ALAMEDA COUNTY WATER DISTRICT

Local Agency:	ALAMEDA COUNTY WATER DISTRICT
CUF Case:	YES
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	
How Discovered:	
Stop Method:	
Stop Description:	
Case Worker:	DY
Military DoD Site:	No
Leak Reported Dt:	
No Further Action Dt:	
Potential Media of Concern:	Aquifer used for drinking water supply, Indoor Air, Soil Vapor
How Discovered Description:	
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name:	Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:	
Coordinate Source:	Google Geocode
Discharge Cause:	
Discharge Source:	
Facility Project Sub Type:	
Calenviroscreen 3 Score:	66-70%
Calenviroscreen 4 Score:	60-65%
File Location:	All Files are on GeoTracker or in the Local Agency Database
Site History:	

The Site is located within the eastern corner of Mission Valley Shopping Center, located southwest of the intersection of Mission Boulevard and Santa Teresa Common in a commercial and residential area of Fremont, California (see Figure 1). It is occupied by a single-story, commercial retail building (known as Building A) having various tenant spaces (see Figure 2). An asphalt paved parking area is located along the west side of the building. Landscaped areas, followed by residential areas are located to the north, south, and east of the existing building. The northernmost tenant space of Building A is currently occupied by Nature's B^ Cleaners, a dry cleaning and laundry business. Based on AEI's observations, the current dry cleaner no longer uses a common dry cleaning chemical, tetrachloroethene (PCE). A dry-cleaning machine and solvent storage area observed during investigation activities conducted by AEI in 2001 had been removed by 2016. Since 2016, dry cleaning operations appeared to have changed from the former solvent-based system to a "green-based" system.

GeoTracker Sites Data Download - Status History

Status:	Open
Status Date:	2003-08-06 00:00:00
Status:	Open - Case Begin Date
Status Date:	2003-08-06 00:00:00
Status:	Open - Site Assessment
Status Date:	2003-08-06 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type:	Local Agency Caseworker - Primary Caseworker
Contact Name:	DOUG YOUNG
Organization Name:	ALAMEDA COUNTY WATER DISTRICT
Address:	43885 SOUTH GRIMMER BLVD
City:	FREMONT
Email:	douglas.young@acwd.com
Phone No:	
Contact Type:	Regional Board Caseworker
Contact Name:	Cherie McCaulou
Organization Name:	SAN FRANCISCO BAY RWQCB (REGION 2)
Address:	1515 CLAY STREET, SUITE 1400
City:	OAKLAND
Email:	cherie.mccaulou@waterboards.ca.gov
Phone No:	

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:	
Cuf Claim No:	3569
CUF Priority Assign:	D
CUF Amount Paid:	$617,860
Composting Method:	
Facility Type:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
File Location:	ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
Designated Beneficl Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:	
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600106796
Cleanup Status Detail:	OPEN - SITE ASSESSMENT AS OF 8/6/2003
Potential COC:	NONE SPECIFIED
Potential Media of Concern:	AQUIFER USED FOR DRINKING WATER SUPPLY, INDOOR AIR, SOIL VAPOR
Groundwater Monitoring Freq:	
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0107 CASE MANAGER: DOUG YOUNG SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0166 CASE MANAGER: Cherie McCaulou
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include? global_id=SL0600106796&tabname=regulatoryhistory

Site History:

The Site is located within the eastern corner of Mission Valley Shopping Center, located southwest of the intersection of Mission Boulevard and Santa Teresa Common in a commercial and residential area of Fremont, California (see Figure 1). It is occupied by a single-story, commercial retail building (known as Building A) having various tenant spaces (see Figure 2). An asphalt paved parking area is located along the west side of the building. Landscaped areas, followed by residential areas are located to the north, south, and east of the existing building. The northernmost tenant space of Building A is currently occupied by Nature's B^ Cleaners, a dry cleaning and laundry business. Based on AEI's observations, the current dry cleaner no longer uses a common dry cleaning chemical, tetrachloroethene (PCE). A dry-cleaning machine and solvent storage area observed during investigation activities conducted by AEI in 2001 had been removed by 2016. Since 2016, dry cleaning operations appeared to have changed from the former solvent-based system to a "green-based" system.

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type:	Other Regulatory Actions
Action:	Technical Correspondence / Assistance / Other
Action Date:	7/22/2022
Received Issue Date:	7/22/2022
Doc Link:	https://geotracker.waterboards.ca.gov/view_documents? global_id=SL0600106796&enforcement_id=6500372&temptable=ENFORCEMENT
Title Description Comments:	

Confirmation Acceptance of Work Plan Modifications

Action Type:	Other Regulatory Actions
Action:	Verbal Communication
Action Date:	5/24/2022
Received Issue Date:	5/24/2022
Doc Link:	
Title Description Comments:	

Discussion on next steps due to detections in indoor air samples

Action Type:	Other Regulatory Actions
Action:	Technical Correspondence / Assistance / Other
Action Date:	5/23/2022

Received Issue Date: 5/23/2022
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6495458&temptable=ENFORCEMENT
Title Description Comments:

Approval of off-site well Work Plan

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/6/2020
Received Issue Date: 5/6/2020
Doc Link:
Title Description Comments:

Approval of soil Gas and Indoor Air Investigation

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 7/30/2019
Received Issue Date: 7/30/2019
Doc Link:
Title Description Comments:

Telephone call to consultant Doug Babitch informed me that the work plan for the site was being prepared and he expects a draft to be submitted sometime by the end of the year. The work plan will address groundwater and indoor air issues.

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/12/2019
Received Issue Date: 6/12/2019
Doc Link:
Title Description Comments:

Case Review

Action Type: Other Regulatory Actions
Action: File review
Action Date: 6/30/2016
Received Issue Date: 6/30/2016
Doc Link:
Title Description Comments:

File Review and LTCP Checklist Update

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/24/2015
Received Issue Date: 9/24/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6261744&temptable=ENFORCEMENT
Title Description Comments:

Approval of Revised Soil Vapor Invesitgation

Action Type: Response Requested - Workplans
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded
Action Date: 9/1/2015
Received Issue Date: 9/1/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600106796&doc_id=5859020
Title Description Comments:

Revised Work Plan for Soil Vapor Investigation

Action Type: Other Regulatory Actions

Action: Technical Correspondence / Assistance / Other
Action Date: 4/3/2015
Received Issue Date: 4/3/2015
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6241096&temptable=ENFORCEMENT
Title Description Comments:

Approval of Proposed Plan as Recommended in GMR July - December 2014

Action Type: Other Regulatory Actions
Action: Verbal Communication
Action Date: 11/20/2014
Received Issue Date: 11/20/2014
Doc Link:
Title Description Comments:

Discussed the status of the the treatment system with the consultant

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 4/22/2008
Received Issue Date: 4/22/2008
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6067666&temptable=ENFORCEMENT
Title Description Comments:

Geotracker Database Uploading

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Monitoring Reports ***Document Date:*** 2/17/2023
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JULY THROUGH DECEMBER 2022
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8929065287/SL0600106796.PDF

Document Type: Site Documents ***Document Date:*** 12/16/2022
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT ***Submitted:***
Submitted By: WSP E&I INC. (AUTH_RP)
Title: VAPOR INTRUSION EVALUATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1622241377/SL0600106796.PDF

Document Type: Monitoring Reports ***Document Date:*** 8/3/2022
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2022
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1346302688/SL0600106796.PDF

Document Type: Site Documents ***Document Date:*** 7/22/2022
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: CONFIRMATION ACCEPTANCE OF WORK PLAN MODIFICATIONS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6500372

Document Type: Site Documents ***Document Date:*** 5/27/2022
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN ***Submitted:***
Submitted By: WSP E&I INC. (AUTH_RP)
Title: ADDENDUM TO SUPPLEMENTAL VAPOR INTRUSION INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3274810433/SL0600106796.PDF

Document Type: Site Documents ***Document Date:*** 5/23/2022
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***

Submitted By: DOUG YOUNG (REGULATOR)
Title: APPROVAL OF OFF-SITE WELL WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6495458

Document Type: Site Documents **Document Date:** 5/16/2022
Type: WELL INSTALLATION WORKPLAN **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER MONITORING WELL INSTALLATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6778354227/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 3/25/2022
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JULY THROUGH DECEMBER 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6556017875/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/30/2021
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2021
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5568805098/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 5/28/2021
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8148647606/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/18/2021
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBER 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7819575428/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 12/18/2020
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: WOOD_20_192740_AO SMITH_SV DATA SUMMARY RPT_121820
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2218115031/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 8/24/2020*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JANUARY THROUGH JUNE 2020
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9414742529/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 4/21/2020
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: SUPPLEMENTAL VAPOR INTRUSION EVALUATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7012273967/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 2/26/2020
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBE 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4471941471/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 12/19/2019
Type: OTHER WORKPLAN **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4426428675/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 8/8/2019
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)

Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2019
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4340279340/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 2/14/2019
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JULY THROUGH DECEMBER 2018
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9959884881/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 9/21/2018*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2018
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6308083593/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/17/2018
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JULY THROUGH DECEMBER 2017
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9459829926/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 8/8/2017
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMECFOSTERWHEELER_17_170000_1ST SEMI GWM RPT_080217
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3513794183/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 4/13/2017
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC FOSTER WHEELER_170000_2017 EISB PILOT STUDY_041317
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6089399874/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/6/2017
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC FOSTER WHEELER_OD14170000_2ND GROUNDWATER MONITORING REPORT_010617
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7453726410/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 11/23/2016*
Type: SITE INVESTIGATION **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: SOIL VAPOR INVESTIGATION AND HUMAN HEALTH RISK ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3515577852/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/22/2016*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2016
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2057379364/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 2/24/2016*
Type: MONITORING REPORT - OTHER **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JULY THROUGH DECEMBER 2015
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9709814488/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 2/12/2016
Type: SOIL VAPOR INTRUSION INVESTIGATION REPORT **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: SOIL VAPOR DATA SUMMARY AND PRELIMINARY VAPOR INTRUSION HUMAN HEALTH RISK ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2088487625/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 9/24/2015
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: DOUG YOUNG (REGULATOR)

Title: APPROVAL OF REVISED SOIL VAPOR INVESITGATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6261744

Document Type: Site Documents **Document Date:** 9/1/2015
Type: SOIL VAPOR INTRUSION INVESTIGATION WORKPLAN **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: REVISED WORK PLAN FOR SOIL VAPOR INVESTIGATION
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3589472174/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 8/25/2015
Type: PILOT STUDY / TREATABILITY WORKPLAN **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: ENHANCED IN-SITU BIOREMEDIATION PILOT STUDY WORK PLAN
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8861113131/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/28/2015
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JANUARY THROUGH JUNE 2015
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3098108649/SL0600106796.PDF

Document Type: Site Documents **Document Date:** 4/3/2015
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER **Submitted:**
Submitted By: DOUG YOUNG (REGULATOR)
Title: APPROVAL OF PROPOSED PLAN AS RECOMMENDED IN GMR JULY - DECEMBER 2014
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6241096

Document Type: Monitoring Reports **Document Date:** 8/20/2014
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT, JANUARY THROUGH JUNE 2014, 37171 SYCAMORE ST. AUG-08-14
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2152978122/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/17/2014
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT, JULY THROUGH DECEMBER 2013, 37171 SYCAMORE ST, JAN-17-14
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7558885097/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/22/2013
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT, JANUARY THROUGH JUNE 2013, 37171 SYCAMORE STREET
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5686874330/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/21/2013
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBER 2012, 37171 SYCAMORE, NEWARK, JAN21-2013
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8968723356/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/20/2012
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JANUARY THROUGH JUNE 2012
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/4168776750/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/18/2012*
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBER 2011, 37171 SYCAMORE, JAN-18-2012
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6431747376/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/29/2011
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING RPT JANUARY THROUGH JUN2011, 37171 SYCAMORE, JUL 29
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2757557690/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/21/2011
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT JULY THROUGH DECEMBER 2010 37171 SYCAMORE, JANUARY-21-11
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5037759363/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 7/21/2010
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT, JANUARY THROUGH JUNE 2010, 37171 SYCAMORE ST, JULY 2010
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6246331632/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 1/22/2010
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC_10_2428_GW MONITORING REPORT JULY-DEC 2009, JAN-22-2010
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2028680264/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GMX_2428_GW MONITORING RPT. JAN-JUNE 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/8710074186/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GMX_2428_GW MONITORING RPT. JULY-DEC 2007
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5645437955/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC GMX_2428_GW MONITORING RPT. JAN-JUNE 2009
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/6576941251/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC GMX_2428_GW MONITORING RPT. JAN-JUNE 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1912970304/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC GMX_2428_GW MONITORING RPT. JULY-DEC 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/3896689176/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GMX_2428_GW MONITORING RPT. JAN-JUNE 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/2535149991/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009
Type: MONITORING REPORT - SEMI-ANNUALLY **Submitted:**
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GMX_2428_GW MONITORING RPT. JULY-DEC 2005
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7405999720/SL0600106796.PDF

Document Type: Monitoring Reports **Document Date:** 12/14/2009

Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GMX_2428_GW MONITORING RPT. JULY-DEC 2006
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/9902914762/SL0600106796.PDF

Document Type: Monitoring Reports ***Document Date:*** 7/16/2009
Type: MONITORING REPORT - SEMI-ANNUALLY ***Submitted:***
Submitted By: WSP E&I INC. (AUTH_RP)
Title: AMEC 09 A.O. SMITH GROUNDWATER MONITORING REPORT, JULY THROUGH DECEMBER 2008
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/5156435310/SL0600106796.PDF

Document Type: Site Documents ***Document Date:*** 4/22/2008
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: GEOTRACKER DATABASE UPLOADING
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600106796&enforcement_id=6067666

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-8)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8555870771/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-5)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/7673510909/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-2)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/6229103803/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-3)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9245775699/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-9)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/8198138654/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-1)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/4844287335/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-4)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5173434615/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-6)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/9054355025/SL0600106796.PDF

Submitted: 6/10/2021
Submitted By: WSP E&I INC. (AUTH_RP)
Title: OFF-SITE GROUNDWATER INVESTIGATION REPORT (GGW-7)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/3932823896/SL0600106796.PDF

Submitted: 7/26/2016*
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2016 (MW-23A)

Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/2892274856/SL0600106796.PDF

Submitted: 7/26/2016*
Submitted By: WSP E&I INC. (AUTH_RP)
Title: GROUNDWATER MONITORING REPORT - JANUARY THROUGH JUNE 2016 (MW-24A)
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_bore/5174684524/SL0600106796.PDF

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Open - Case Begin Date
Date: 8/6/2003

Status: Open
Date: 8/6/2003

Status: Open - Site Assessment
Date: 8/6/2003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
79	2 of3	WNW	0.41 / 2,179.35	20.22 / 1	SMITH (A.O.) WATER PRODUCTS 37171 SYCAMORE STREET NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: OPEN - SITE ASSESSMENT
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: SL0600106796
Fac ID:
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
79	3 of3	WNW	0.41 / 2,179.35	20.22 / 1	A O SMITH CORPORATION 37171 SYCAMORE STREET NEWARK CA 94560	CALSITES

ID No: 01360027
Status Date: 06/08/1994
NPL:
Tier:
Fund:
Access :
Access Code: NOT REPORTED
Cortese:
Hrscore:
Hrsdate:
Groundwater Contam:
GW Code: NOT REPORTED
No Sources: 0
RWQCB Name: SAN FRANCISCO BAY
Branch Name: NORTH COAST
Staff:
Senior:
Status Name: PROPERTY/SITE REFERRED TO RWQCB
Type Name: N/A
Lead Name: N/A
SIC Name: MANU - ELECTRONIC & OTHER ELECTRIC EQUIP
Filename:

Assembly:
Senate:
Region: 2
Region Name: BERKELEY
County Co: 01
Facility County: ALAMEDA
Lat Deg: 0
Lat Min: 0
Lat Sec: 0
Lat Dir:
Long Deg: 0
Long Min: 0
Long Sec: 0
Long Dir:
LImethod:
LIdesc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Comments:

QUESTIONNAIRE RECVD QUESTIONNAIRE RECEIVED. NO PROBLEM. FACILITY IDENTIFIED WALK-IN SAMPLE RESULTS A MISCALCULATION IN LABORATORY RESULTS, PERTAINING TO LEAD, FALSELY INDICATED THAT LEAD LEVELS AT THIS SITE HAD SOIL LEAD LEVELS GREATER THAN THE STLC. THIS PROBLEM HAS BEEN RECTIFIED. RECOMMEND ADDITIONAL SAMPLING. SITE SCREENING DONE RECOMMEND LOW PRIORITY PRELIMINARY ENDANGERMENT ASSESSMENT

Background:

80	1 of3	ESE	0.43 / 2,262.35	24.14 / 5	**OATEY COMPANY** **6600 SMITH AVE** **NEWARK CA 94560**	**CLEANUP SITES**

Global ID: T0600145392
Site Facility Type:
Cleanup Status:
Status (SRCH): COMPLETED - CASE CLOSED
Status (DL):
Status Date (DL):
Case Type (DL):
Census Tract: 6001444601
RWQCB Region (DL):
Longitude:
Latitude:
Address: 6600 SMITH AVE
City: NEWARK
County: ALAMEDA
Zip: 94560
State: CA
Report Source: Cleanup Program Sites - GeoTracker Search Results (SRCH)

GeoTracker Sites Data Download - Site Details

RB Case No:
Local Case No: 0741
Begin Date: 12/16/2002
Lead Agency: ALAMEDA COUNTY WATER DISTRICT
Local Agency: ALAMEDA COUNTY WATER DISTRICT
CUF Case: NO
CalEnvScreen Score:
EPA Region: 9
Qty Rlsd Gallons:
Potential COC: Dioxin / Furans, Other Solvent or Non-Petroleum Hydrocarbon, Acetone
How Discovered: Subsurface Monitoring
Stop Method: Close and Remove Tank
Stop Description:
Case Worker: DY
Military DoD Site: No
Leak Reported Dt: 2002-12-16 00:00:00
No Further Action Dt: 2010-11-03 00:00:00
Potential Media of Concern: Other Groundwater (uses other than drinking water)
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause: Unknown
Discharge Source: Tank
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
File Location: Local Agency
Site History:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 2010-11-03 00:00:00

Status: Open - Site Assessment
Status Date: 2003-08-11 00:00:00

Status: Open - Case Begin Date
Status Date: 2002-12-16 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Local Agency Caseworker - Primary Caseworker
Contact Name: DOUG YOUNG
Organization Name: ALAMEDA COUNTY WATER DISTRICT
Address: 43885 SOUTH GRIMMER BLVD
City: FREMONT
Email: douglas.young@acwd.com
Phone No:

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location: LOCAL AGENCY
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600145392
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 11/3/2010
Potential COC: ACETONE, DIOXIN / FURANS, OTHER SOLVENT OR NON-PETROLEUM HYDROCARBON
Potential Media of Concern: OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0741
CASE MANAGER: DOUG YOUNG
SAN FRANCISCO BAY RWQCB (REGION 2)
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600145392&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Cleanup Action Report (as of October 16, 2023)

Action Type: MONITORED NATURAL ATTENUATION
Begin Date: 2/11/2004
End Date:
Phase:

Contaminant Mass Removed:
Description:

Action Type: EXCAVATION
Begin Date: 12/17/2002
End Date:
Phase:
Contaminant Mass Removed:
Description:

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Other Regulatory Actions
Action: State Water Board - Closure Order
Action Date: 6/11/2019
Received Issue Date: 6/11/2019
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6405147&temptable=ENFORCEMENT
Title Description Comments:

Summary Review Response Letter

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 5/10/2018
Received Issue Date: 5/10/2018
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6357942&temptable=ENFORCEMENT
Title Description Comments:

RWQCB Vapor Concentration Evaluation and Analysis

Action Type: Other Regulatory Actions
Action: Closure/No Further Action Letter
Action Date: 11/3/2010
Received Issue Date: 11/3/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6068572&temptable=ENFORCEMENT
Title Description Comments:

Case Closure Package

Action Type: Other Regulatory Actions
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)
Action Date: 10/27/2010
Received Issue Date: 10/27/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6129149&temptable=ENFORCEMENT
Title Description Comments:

Recommendation for SLIC Case Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 9/21/2010
Received Issue Date: 9/21/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6065552&temptable=ENFORCEMENT
Title Description Comments:

Re Case Closure

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other

Action Date: 9/16/2010
Received Issue Date: 9/16/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6065549&temptable=ENFORCEMENT
Title Description Comments:

Draft Closure Summary

Action Type: Other Regulatory Actions
Action: Technical Correspondence / Assistance / Other
Action Date: 4/7/2010
Received Issue Date: 4/7/2010
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6065555&temptable=ENFORCEMENT
Title Description Comments:

Closure Review

Action Type: Cleanup Action
Action: Monitored Natural Attenuation
Action Date: 2/11/2004
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Cleanup Action
Action: Excavation
Action Date: 12/17/2002
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Discovery
Action Date: 12/16/2002
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 12/16/2002
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 6/11/2019
Type: STATE WATER BOARD - CLOSURE ORDER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: SUMMARY REVIEW RESPONSE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6405147

Document Type: Site Documents ***Document Date:*** 5/10/2018
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: DOUG YOUNG (REGULATOR)
Title: RWQCB VAPOR CONCENTRATION EVALUATION AND ANALYSIS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6357942

Document Type: Site Documents ***Document Date:*** 11/3/2010
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***

Submitted By: (REGULATOR)
Title: CASE CLOSURE PACKAGE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6068572

Document Type: Site Documents ***Document Date:*** 10/27/2010
Type: CLEAN UP FUND - CASE CLOSURE REVIEW SUMMARY REPORT (RSR) ***Submitted:***
Submitted By: PABLO CORTEZ (REGULATOR)
Title: RECOMMENDATION FOR SLIC CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6129149

Document Type: Site Documents ***Document Date:*** 9/21/2010
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: RE CASE CLOSURE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6065552

Document Type: Site Documents ***Document Date:*** 9/16/2010
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: DRAFT CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6065549

Document Type: Site Documents ***Document Date:*** 4/7/2010
Type: TECHNICAL CORRESPONDENCE / ASSISTANCE / OTHER ***Submitted:***
Submitted By: (REGULATOR)
Title: CLOSURE REVIEW
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600145392&enforcement_id=6065555

Document Type: Monitoring Reports ***Document Date:*** 5/7/2009
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: OTG (AUTH_RP)
Title: 2009 ANNUAL GROUNDWATER MONITORING REPORT
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/1787102818/T0600145392.PDF

Document Type: Monitoring Reports ***Document Date:*** 7/3/2008
Type: MONITORING REPORT - ANNUALLY ***Submitted:***
Submitted By: OTG (AUTH_RP)
Title: 2008 ANNUAL GW MONITORING RPT & CLOSURE REQUEST
Title Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_report/7587904989/T0600145392.PDF

GeoTracker Search - Site Maps (as of October 16, 2023)

Submitted: 4/29/2008
Submitted By: OTG (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/9138213217/T0600145392.pdf

Submitted: 4/29/2008
Submitted By: OTG (AUTH_RP)
Title: GEO_MAP
Link: https://geotracker.waterboards.ca.gov/esi/uploads/geo_map/3578047037/T0600145392.pdf

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 11/3/2010

Status: Open - Site Assessment
Date: 8/11/2003

Status: Open - Case Begin Date
Date: 12/16/2002

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
80	2 of3	ESE	0.43 / 2,262.35	24.14 / 5	OATEY CORP 6600 SMITH AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type: PERMITTED UNDERGROUND STORAGE TANK (UST)
Status:
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID:
Fac ID: 01-008-000112
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
80	3 of3	ESE	0.43 / 2,262.35	24.14 / 5	OATEY COMPANY 6600 SMITH AVE NEWARK CA 94560	CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE
Status: COMPLETED - CASE CLOSED
Site Code:
Site ID:
Record ID:
ID Type:
Substance:
County: ALAMEDA
Longitude:
Latitude:

Rel Desc:
Rel Type:
Rel T Desc:
Program:
Case Desc:
ID Date:

Site Details

Global ID: T0600145392
Fac ID:
Desc:

Inv Party:
Inv P Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
81	1 of3	NNE	0.45 / 2,379.96	25.36 / 6	SAN MATEO COUNTY TRANSIT DISTRICT LAT/LONG_USED NEWARK CA 94560	RCRA TSD

EPA Handler ID: CAC003020504
Gen Status Universe: No Report
Contact Name: IAN HULL
Contact Address: 1250 SAN CARLOS AVENUE , , SAN CARLOS , CA, 94070 ,
Contact Phone No and Ext: 650-508-6301
Contact Email: HULLI@SAMTRANS.COM
Contact Country:
Land Type:
County Name: ALAMEDA
EPA Region: 09
Receive Date: 20190619
Location Latitude: 37.532717
Location Longitude: -122.024271

Violation/Evaluation Summary

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190619
Handler Name:	SAN MATEO COUNTY TRANSIT DISTRICT
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer
TSD Activity:	Y

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1250 SAN CARLOS AVENUE
Name:	SAN MATEO COUNTY TRANSIT DISTRICT	**Street 2:**	
Date Became Current:		**City:**	SAN CARLOS
Date Ended Current:		**State:**	CA
Phone:	650-508-6301	**Country:**	
Source Type:	Implementer	**Zip Code:**	94070

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	1250 SAN CARLOS AVENUE
Name:	IAN HULL	**Street 2:**	
Date Became Current:		**City:**	SAN CARLOS
Date Ended Current:		**State:**	CA
Phone:	650-508-6301	**Country:**	
Source Type:	Implementer	**Zip Code:**	94070

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
81	2 of3	NNE	0.45 / 2,379.96	25.36 / 6	PG&E PROJECTS I-477 LAT/LONG_USED NEWARK CA 94560	RCRA TSD

EPA Handler ID:	CAC003019529
Gen Status Universe:	No Report
Contact Name:	KAYLA GRIFFIN
Contact Address:	6111 BOLLINGER CANYON RD , BR1Y3A , SAN RAMON , CA, 94583 ,
Contact Phone No and Ext:	925-499-1055
Contact Email:	K2GI@PGE.COM
Contact Country:	
Land Type:	
County Name:	ALAMEDA
EPA Region:	09
Receive Date:	20190613

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Location Latitude: 37.532717
Location Longitude: -122.024271

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190613
Handler Name: PG&E PROJECTS I-477
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer
TSD Activity: Y

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: KAYLA GRIFFIN
Date Became Current:
Date Ended Current:
Phone: 925-499-1055
Source Type: Implementer
Street No:
Street 1: 6111 BOLLINGER CANYON RD
Street 2: BR1Y3A
City: SAN RAMON
State: CA
Country:
Zip Code: 94583

Owner/Operator Ind: Current Owner
Type: Other
Name: PG&E EPA IDS
Date Became Current:
Date Ended Current:
Phone: 925-415-6384
Source Type: Implementer
Street No:
Street 1: PO BOX 7640
Street 2:
City: SAN FRANCISCO
State: CA
Country:
Zip Code: 94120

81	3 of3	NNE	0.45 / 2,379.96	25.36 / 6	UNION PACIFIC RAILROAD LAT/LONG_USED NEWARK CA 94560	RCRA TSD

EPA Handler ID: CAC003018603
Gen Status Universe: No Report
Contact Name: KRISTEN STEVENS
Contact Address: 2401 E SEPULVEDA BLVD. , , LONG BEACH , CA, 90810 ,
Contact Phone No and Ext: 562-756-0076

Contact Email:	KMSTEVEN@UP.COM
Contact Country:	
Land Type:	
County Name:	ALAMEDA
EPA Region:	09
Receive Date:	20190607
Location Latitude:	37.532717
Location Longitude:	-122.024271

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190607
Handler Name:	UNION PACIFIC RAILROAD
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified
Source Type:	Implementer
TSD Activity:	Y

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	2401 E SEPULVEDA BLVD.
Name:	KRISTEN STEVENS	**Street 2:**	
Date Became Current:		**City:**	LONG BEACH
Date Ended Current:		**State:**	CA
Phone:	562-756-0076	**Country:**	
Source Type:	Implementer	**Zip Code:**	90810

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	1400 DOUGLAS STREET – STOP 1030
Name:	UNION PACIFIC RAILROAD	**Street 2:**	
Date Became Current:		**City:**	OMAHA
Date Ended Current:		**State:**	NE
Phone:	562-756-0076	**Country:**	
Source Type:	Implementer	**Zip Code:**	68179

82	*1 of11*	*E*	*0.45 / 2,388.81*	*22.29 / 3*	***THORO SYSTEMS PRODUCTS NEWARK 38403 CHERRY ST***	***CERCLIS***

NEWARK CA 94560

Site ID:	0900249	***RNPL Status Code:***	N
Site EPA ID:	CAD066572363	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	ALAMEDA	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06001	***USGS Hydro Unit No.:***	18050003
Region Code:	09	***Site Cong. Dist. Code:***	10
Site SMSA No.:	7360	***ROT Desc:***	Private
Site Prim. Latitude:	37D01M25S	***FR NPL Update No.:***	
Site Prim. Longitude:	122D00M58S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	9/21/1993 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	8/24/1990 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	9/21/1993 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			
Site Desc:	No description available .		
Site Alias:	STANDARD DRYWALLS PRODUCT,,,CA,;		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	2 of11	E	0.45 / 2,388.81	22.29 / 3	THORO SYSTEMS PRODUCTS NEWARK 38403 CHERRY ST NEWARK CA 94560	CERCLIS NFRAP

Site ID:	900249	***Site FIPS Code:***	6001
Site EPA ID:	CAD066572363	***Region Code:***	9
Site Parent ID:		***Site Cong. Dist. Code:***	10
Site County Name:	ALAMEDA	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	9/21/1993
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	8/24/1990
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	9/21/1993
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

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82	***3 of11***	***E***	***0.45 / 2,388.81***	***22.29 / 3***	***BASF CORPORATION 38403 CHERRY ST NEWARK CA 94560***	***RCRA CORRACTS***

EPA Handler ID:	CAD066572363
Gen Status Universe:	Small Quantity Generator
Contact Name:	RICHARD E HALL
Contact Address:	38403 CHERRY ST , , NEWARK , CA, 94560 , US
Contact Phone No and Ext:	510-796-9911 103
Contact Email:	
Contact Country:	US
County Name:	ALAMEDA
EPA Region:	09
Land Type:	Private
Receive Date:	20100413
Location Latitude:	37.524505
Location Longitude:	-122.017546

Event/Area Details

Area Name:	ENTIRE FACILITY
Event Code:	
Corrective Action Event Descri:	
Actual Date of Event:	
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	

Area Name:	
Event Code:	CA029ST
Corrective Action Event Descri:	LEAD AGENCY DETERMINATION
Actual Date of Event:	19900101
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	19900101
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	E

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19910705
Handler Name: THORO SYSTEMS PRODUCTS NEWARK
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19930916
Handler Name: THORO SYSTEMS PRODUCTS NEWARK
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20060802
Handler Name: BASF CORPORATION
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20070123
Handler Name: BASF CONSTRUCTION CHEMICALS LLC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20100413
Handler Name: BASF CORPORATION
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: BASF CORPORATION
Date Became Current: 20060701
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind: Current Owner
Type: Private
Name: BASF CORPORATION
Date Became Current: 20060701
Date Ended Current:
Phone: 216-839-7000
Source Type: Notification
Street No:
Street 1: 23700 CHAGRIN BLVD
Street 2:
City: BEACHWOOD
State: OH
Country: US
Zip Code: 44122-5506

Owner/Operator Ind: Current Operator
Type: Private
Name: BASF CONSTRUCTION CHEMICALS LLC
Date Became Current: 20060701
Date Ended Current:
Phone:
Source Type: Notification
Street No:
Street 1:
Street 2:
City:
State:
Country: US
Zip Code:

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	23700 CHAGRIN BLVD
Name:	BASF CONSTRUCTION CHEMICALS LLC	**Street 2:**	
Date Became Current:	20060701	**City:**	BEACHWOOD
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	44122

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	NOT REQUIRED
Name:	THORO SYSTEM PRODUCTS INC	**Street 2:**	
Date Became Current:		**City:**	NOT REQUIRED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Notification	**Zip Code:**	99999

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	23700 CHAGRIN BLVD
Name:	BASF CORPORATION	**Street 2:**	
Date Became Current:	20060701	**City:**	BEACHWOOD
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Notification	**Zip Code:**	44122

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	ADDRESS NOT REPORTED
Name:	THORO SYSTEM PRODUCTS INC	**Street 2:**	
Date Became Current:		**City:**	CITY NOT REPORTED
Date Ended Current:		**State:**	ME
Phone:	415-555-1212	**Country:**	
Source Type:	Implementer	**Zip Code:**	99999

Historical Handler Details

Receive Dt:	20070123
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF CONSTRUCTION CHEMICALS LLC

Receive Dt:	20060802
Generator Code Description:	Small Quantity Generator
Handler Name:	BASF CORPORATION

Receive Dt:	19930916
Generator Code Description:	Not a Generator, Verified
Handler Name:	THORO SYSTEMS PRODUCTS NEWARK

Receive Dt:	19910705
Generator Code Description:	Very Small Quantity Generator
Handler Name:	THORO SYSTEMS PRODUCTS NEWARK

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	4 of11	E	0.45 / 2,388.81	22.29 / 3	THORO SYSTEM PRODUCTS 38403 CHERRY ST NEWARK CA 94560	LUST

Global ID:	T0600101360	**Census Tract:**	6001444601
Site Facility Type:		**Census Tract (SRCH):**	6001444601
Status:	Completed - Case Closed	**Oil Field (SRCH):**	
Status Date (DL):	4/10/1998	**Oil Field Oper (SRCH):**	
Cleanup Status:		**Latitude:**	
Case Type (DL):	LUST Cleanup Site	**Longitude:**	
RWQCB Region (DL):	SAN FRANCISCO BAY RWQCB (REGION 2)		
Site Facility Name:			
Business Name (DL):	THORO SYSTEM PRODUCTS		
Address:	38403 CHERRY ST		
City:	NEWARK		
State:	CA		

Zip: 94560
County: ALAMEDA

GeoTracker Sites Data Download - Site Details

CUF Case: NO
Lead Agency: SAN FRANCISCO BAY RWQCB (REGION 2)
Case Worker: UUU
Local Agency:
RB Case No: 01-1473
Local Case No: 0258
File Location:
Potential COC: Stoddard solvent / Mineral Spriits / Distillates
Potential Media of Concern: Other Groundwater (uses other than drinking water)
Begin Date: 10/4/1988
How Discovered: Tank Closure
How Discovered Description:
Stop Method:
Stop Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
CalEnvScreen Score:
Coordinate Source: Google Geocode
Discharge Cause: Physc / Mech Damage
Discharge Source: Tank
EPA Region: 9
Leak Reported Dt: 1988-10-04 00:00:00
Military DoD Site: No
No Further Action Dt: 1998-04-10 00:00:00
Qty Rlsd Gallons:
Facility Project Sub Type:
Calenviroscreen 3 Score: 56-60%
Calenviroscreen 4 Score: 60-65%
Site History:

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker - Primary Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Sites Data Download - Status History

Status: Completed - Case Closed
Status Date: 4/10/1998

Status: Open - Site Assessment
Status Date: 9/27/1989

Status: Open - Case Begin Date
Status Date: 10/4/1988

GeoTracker Search - Regulatory Profile (as of October 16, 2023)

Site Facility Name: THORO SYSTEM PRODUCTS
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Address: 38403 CHERRY ST

City:	NEWARK
Zip:	94560
County:	ALAMEDA
Report Link:	https://geotracker.waterboards.ca.gov/profile_report?global_id=T0600101360
Cleanup Status Detail:	COMPLETED - CASE CLOSED AS OF 4/10/1998
Project Status:	
Cleanup History Link:	https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0600101360&tabname=regulatoryhistory
Potential COC:	STODDARD SOLVENT / MINERAL SPRIITS / DISTILLATES
Potential Media of Concern:	OTHER GROUNDWATER (USES OTHER THAN DRINKING WATER)
File Location:	
User Defined Beneficial Use:	
Designated Beneficial Use:	MUN, AGR, IND, PROC
DWR GW Sub Basin:	Santa Clara Valley - Niles Cone (2-009.01)
Calwater Watershed Name:	Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:	
Future Land Use:	
Cleanup Oversight Agencies:	ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0258 SAN FRANCISCO BAY RWQCB (REGION 2) (LEAD) - CASE #: 01-1473 CASE MANAGER: Regional Water Board San Francisco Bay RWQCB (Region 2) is the official lead agency for this case. Pursuant to a 1996 cooperative agreement (updated in 2013) between the two agencies, ACWD only provides day-to-day oversight.
CUF Claim No:	
CUF Priority Assig:	
CUF Amount Paid:	
WDR Place Type:	
WDR File No:	
WDR Order No:	
Project Oversight Agencies:	
Facility Type:	
Composting Method:	
Grndwtr Monitoring Frequency:	
Designated Beneficial Use Desc:	Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:	

No site history available

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status:	Completed - Case Closed
Date :	4/10/1998
Status:	Open - Site Assessment
Date :	9/27/1989
Status:	Open - Case Begin Date
Date :	10/4/1988

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type:	Other Regulatory Actions
Action:	Closure/No Further Action Letter
Action Date:	4/10/1998
Received Issue Date:	4/10/1998
Doc Link:	https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&enforcement_id=6399178&temptable=ENFORCEMENT
Title Description Comments:	

No Further Action Letter and Closure Summary

Action Type:	Response Requested - Reports
Action:	Monitoring Report - Quarterly
Action Date:	4/30/1996
Received Issue Date:	4/30/1996
Doc Link:	https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990423

Title Description Comments:

Quarterly Monitoring Report

Action Type: Reports
Action: Other Report
Action Date: 1/26/1996
Received Issue Date: 1/26/1996
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&enforcement_id=6399177&temptable=ENFORCEMENT
Title Description Comments:

ACWD - Monitoring Schedule Update

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 8/22/1995
Received Issue Date: 8/22/1995
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990421
Title Description Comments:

Quarterly Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 11/2/1994
Received Issue Date: 11/2/1994
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990416
Title Description Comments:

Quarterly Monitoring Report

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 10/29/1993
Received Issue Date: 10/29/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990418
Title Description Comments:

Quarterly Monitoring Report

Action Type: Reports
Action: Other Report
Action Date: 6/15/1993
Received Issue Date: 6/15/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&enforcement_id=6399176&temptable=ENFORCEMENT
Title Description Comments:

Fuel Leak Investigation and Case Form

Action Type: Response Requested - Reports
Action: Well Installation Report
Action Date: 4/26/1993
Received Issue Date: 4/26/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990407
Title Description Comments:

Groundwater Monitoring Well Installation

Action Type: Response Requested - Reports
Action: Soil and Water Investigation Report
Action Date: 1/15/1993
Received Issue Date: 1/15/1993

Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990406
Title Description Comments:

Conduit Removal and Sample Results

Action Type: Response Requested - Reports
Action: Monitoring Report - Quarterly
Action Date: 1/7/1993
Received Issue Date: 1/7/1993
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990420
Title Description Comments:

Quarterly Monitoring Report

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 1/3/1992
Received Issue Date: 1/3/1992
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990414
Title Description Comments:

Cross Sections Report

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 12/9/1991
Received Issue Date: 12/9/1991
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990411
Title Description Comments:

Wastewater Pond/Closure Assessment and Cooling Water Evaluation

Action Type: Response Requested - Reports
Action: Site Assessment Report
Action Date: 12/1/1989
Received Issue Date: 12/1/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990409
Title Description Comments:

Site Assessment Report

Action Type: Response Requested - Workplans
Action: Preliminary Site Assessment Workplan
Action Date: 8/16/1989
Received Issue Date: 8/16/1989
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0600101360&doc_id=5990412
Title Description Comments:

Workplan for Site Assessment

Action Type: Leak Action
Action: Leak Discovery
Action Date: 10/4/1988
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Stopped
Action Date: 10/4/1988
Received Issue Date:
Doc Link:
Title Description Comments:

Action Type: Leak Action
Action: Leak Reported
Action Date: 10/4/1988
Received Issue Date:
Doc Link:
Title Description Comments:

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 4/10/1998
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: NO FURTHER ACTION LETTER AND CLOSURE SUMMARY
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&enforcement_id=6399178

Document Type: Monitoring Reports ***Document Date:*** 4/30/1996
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 1Q96
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8326577305/QMR%201Q96%2Epdf

Document Type: Site Documents ***Document Date:*** 1/26/1996
Type: OTHER REPORT ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: ACWD - MONITORING SCHEDULE UPDATE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&enforcement_id=6399177

Document Type: Monitoring Reports ***Document Date:*** 8/22/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 1Q95
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5128890097/QMR%201Q95%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 8/22/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 2Q95
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/4988506495/QMR%202Q95%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 8/22/1995
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 3Q95
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8863534092/QMR%203Q95%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 11/2/1994
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 2Q94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3812453329/QMR%202Q94%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 11/2/1994
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 1Q94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/8278961658/QMR%201Q94%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 11/2/1994
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 4Q94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/7038725912/QMR%204Q94%2Epdf

Document Type: Monitoring Reports ***Document Date:*** 11/2/1994
Type: MONITORING REPORT - QUARTERLY ***Submitted:***
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)

Title: QUARTERLY MONITORING REPORT - QMR 3Q94
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3671965658/QMR%203Q94%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/29/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 4Q93
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2973488926/QMR%204Q93%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/29/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 1Q93
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/5448059558/QMR%201Q93%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/29/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 2Q93
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/6458332896/QMR%202Q93%2Epdf

Document Type: Monitoring Reports **Document Date:** 10/29/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 3Q93
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/2569878697/QMR%203Q93%2Epdf

Document Type: Site Documents **Document Date:** 6/15/1993
Type: OTHER REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: FUEL LEAK INVESTIGATION AND CASE FORM
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&enforcement_id=6399176

Document Type: Site Documents **Document Date:** 4/26/1993
Type: WELL INSTALLATION REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: GROUNDWATER MONITORING WELL INSTALLATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&document_id=5990407

Document Type: Site Documents **Document Date:** 1/15/1993
Type: SOIL AND WATER INVESTIGATION REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: CONDUIT REMOVAL AND SAMPLE RESULTS
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&document_id=5990406

Document Type: Monitoring Reports **Document Date:** 1/7/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 4Q92
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/3846236288/QMR%204Q92%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/7/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 2Q92
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9495073616/QMR%202Q92%2Epdf

Document Type: Monitoring Reports **Document Date:** 1/7/1993
Type: MONITORING REPORT - QUARTERLY **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: QUARTERLY MONITORING REPORT - QMR 3Q92
Title Link: https://geotracker.waterboards.ca.gov/regulators/deliverable_documents/9795986354/QMR%203Q92%2Epdf

Document Type: Site Documents **Document Date:** 1/3/1992
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: CROSS SECTIONS REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&document_id=5990414

Document Type: Site Documents **Document Date:** 12/9/1991
Type: OTHER REPORT / DOCUMENT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: WASTEWATER POND/CLOSURE ASSESSMENT AND COOLING WATER EVALUATION
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&document_id=5990411

Document Type: Site Documents **Document Date:** 12/1/1989
Type: SITE ASSESSMENT REPORT **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: SITE ASSESSMENT REPORT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&document_id=5990409

Document Type: Site Documents **Document Date:** 8/16/1989
Type: PRELIMINARY SITE ASSESSMENT WORKPLAN **Submitted:**
Submitted By: ZACHARY RICCIARDULLI (REGULATOR)
Title: WORKPLAN FOR SITE ASSESSMENT
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0600101360&document_id=5990412

82	5 of11	E	0.45 / 2,388.81	22.29 / 3	ICI THORO SYSTEMS PRODUCTS 38403 CHERRY ST NEWARK CA 94560	LOP ALAMEDA

Record ID: RO0002773
Alt Record ID: SD0002761
Program: SLIC
Release Type: OTH
Site Contact: ((RWQCB))
RP Identification Date: 9/9/9999 12:00:00 AM
GIS Latitude: 37.5242128434
GIS Longitude: -122.0172242297
Data Source: Local Oversight Program Detailed Inventory; Local Oversight Program Inventory

--Details--
Program Element: 5502
Status: 11
Status Desc: Case transferred
Substance: 0
Org Name: SKW MBT OPERATIONS INC
Description 1: Case Transferred
Description 2: Property/Fee Title Owner
Description 3: Not reported / unknown
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Other type of release

Program Element: 5502
Status: 11
Status Desc: Case transferred
Substance: 0
Org Name: RWQCB
Description 1: Case Transferred
Description 2: Unknown
Description 3: Not reported / unknown
Description 4: RP Identified & Solvent
Description 5: Other Groundwater affected (uses other than drinking water)
Description 6: Other type of release

82	6 of11	E	0.45 / 2,388.81	22.29 / 3	STANDARD DRY WALL PRODUCTS 38403 CHERRY ST NEWARK CA 945600000	ENVIROSTOR

Estor/EPA ID: 80001456 **Assembly District:** 24

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Code:
Nat Priority List: NO
APN: 92A-2300-6-12
Census Tract: 6001444601
Site Type: CORRECTIVE ACTION
Address Description: 38403 CHERRY ST
Office: CLEANUP BERKELEY
Special Program:
Funding:
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.523596
Longitude: -122.017577
Acres: 8 ACRES
Supervisor: KAREN TOTH
Cleanup Status: NO FURTHER ACTION AS OF 2/17/2011
Cleanup Oversight Agencies: DTSC - HAZARDOUS WASTE MANAGEMENT PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: MANUFACTURING - OTHER
Potential Media Affected: UNDER INVESTIGATION
Potential Contamin of Concern:

UNDER INVESTIGATION

Site History:

Thoro System Products submitted a Part A application in 1980 for operation of a clay lined evaporation pond used to treat aste water from the formulation of latex paint. Based on inspections and discussions with DTSC a determination was made that the facility had never treated, stored or disposed of hazardous waste onsite.

Status: NO FURTHER ACTION
Program Type: CORRECTIVE ACTION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001456

Completed Activities

Title: EPA Withdrawl of RCRA Part A Application
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001456&enforcement_id=60262799
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Correspondence
Date Completed: 7/12/1988
Comments: EPA withdrew the RCRA Part A Application for the site, and removed the site from its list of TSD facilities.

Title: Inspection Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001456&enforcement_id=60188723
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Inspections/Visit (Non LUR)
Date Completed: 8/18/1988
Comments: Inspection conducted by DTSC enforcement staff. which summarizes site status. Follow up sampling data is not available in the file.

82	7 of11	E	0.45 / 2,388.81	22.29 / 3	STANDARD DRY WALL PRODUCTS 38403 CHERRY ST NEWARK CA 945600000	ENVIROSTOR

Estor/EPA ID: CAD066572363
Site Code:
Nat Priority List:
APN:
Census Tract: 6001444601
Site Type: PROTECTIVE FILER
Address Description: 38403 CHERRY ST
Office:
Special Program:
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.523596
Longitude: -122.017577
Acres:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Funding: ***Supervisor:***
Cleanup Status:
Cleanup Oversight Agencies:
School District:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Site History:

Site was aprotective filer as determined by US EPA in 1988

Status: PROTECTIVE FILER
Program Type: HAZ WASTE
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD066572363

Units Undergoing Closure

Date:
Event Description:
Unit: NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE
Doc Link:

82	8 of11	E	0.45 / 2,388.81	22.29 / 3	STANDARD DRY WALL PRODUCTS 38403 CHERRY ST NEWARK CA 945600000	HWP

Estor/EPA ID: CAD066572363 ***Acres:***
Nat Priority List: ***Supervisor:***
Census Tract: 6001444601 ***County:*** ALAMEDA
Permit Renewl Lead: ***Latitude:*** 37.523596
Project Manager: ***Longitude:*** -122.017577
Site Code:
Cleanup Status:
Cleanup Oversight Agencies:
Assembly District: 24
Senate District: 10
School District:
Office:
Public Participatn Spclst:
Special Program:
Funding:
Site Type: PROTECTIVE FILER
APN:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contaminants of Concern:

Site History:

Site was aprotective filer as determined by US EPA in 1988

Status: PROTECTIVE FILER
Program Type: HAZ WASTE
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD066572363

Units Undergoing Closure

Event Description:
Date:
Unit: NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE
Doc Link:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	9 of11	E	0.45 / 2,388.81	22.29 / 3	THORO SYSTEMS PRODUCTS NEWARK 38403 CHERRY ST NEWARK CA 94560	SEMS ARCHIVE

Site ID:	0900249	**FIPS Code:**	06001
EPA ID:	CAD066572363	**Cong District:**	10
Superfund Alte Agr:	No	**Region:**	09
Federal Facility:	No	**County:**	ALAMEDA
FF Docket:	No		
NPL:	Not on the NPL		
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information		

Action Information

Operable Units:	00	**Qual:**	
Action Code:	DS	**SEQ:**	1
Action Name:	DISCVRY	**FF:**	N
Start Actual:	08/24/1990	**FF Docket:**	N
Finish Actual:	08/24/1990	**Region:**	09
Curr Action Lead:	EPA Perf		
Operable Units:	00	**Qual:**	
Action Code:	VS	**SEQ:**	1
Action Name:	ARCH SITE	**FF:**	N
Start Actual:		**FF Docket:**	N
Finish Actual:	09/21/1993	**Region:**	09
Curr Action Lead:	EPA Perf In-Hse		
Operable Units:	00	**Qual:**	N
Action Code:	PA	**SEQ:**	1
Action Name:	PA	**FF:**	N
Start Actual:		**FF Docket:**	N
Finish Actual:	09/21/1993	**Region:**	09
Curr Action Lead:	EPA Perf		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	10 of11	E	0.45 / 2,388.81	22.29 / 3	THORO SYSTEM PRODUCTS 38403 CHERRY ST NEWARK CA 94560	CONT ALAMEDA

Facility Type:	LUST CLEANUP SITE	**Rel Desc:**	
Status:	COMPLETED - CASE CLOSED	**Rel Type:**	
Site Code:		**Rel T Desc:**	
Site ID:		**Program:**	
Record ID:		**Case Desc:**	
ID Type:		**ID Date:**	
Substance:			
County:	ALAMEDA		
Longitude:			
Latitude:			

Site Details

Global ID:	T0600101360	**Inv Party:**	
Fac ID:		**Inv P Type:**	
Desc:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
82	11 of11	E	0.45 / 2,388.81	22.29 / 3	ICI THORO SYSTEMS PRODUCTS 38403 CHERRY ST NEWARK CA 94560	CONT ALAMEDA

Facility Type:		**Rel Desc:**	Not reported / unknown
Status:		**Rel Type:**	OTH

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Site Code:
Site ID: SD0002761
Record ID: RO0002773
ID Type: RP Identified & Solvent
Substance: 0
County: ALAMEDA
Longitude: -122.017224230
Latitude: 37.524212843
Rel T Desc: Other type of release
Program: SLIC
Case Desc: Other Groundwater affected (uses other than drinking water)
ID Date: 9/9/9999 12:00:00 AM

Site Details

Global ID:
Fac ID:
Desc: CASE TRANSFERRED
Inv Party: SKW MBT OPERATIONS INC
Inv P Type: PROPERTY/FEE TITLE OWNER

Global ID:
Fac ID:
Desc: CASE TRANSFERRED
Inv Party: RWQCB
Inv P Type: UNKNOWN

83	1 of1	NE	0.46 / 2,448.05	26.97 / 8	VU, DAVID 6105 ROBERTSON AVENUE NEWARK CA 94560	RCRA TSD

EPA Handler ID: CAC003010461
Gen Status Universe: No Report
Contact Name: VU, DAVID
Contact Address: 6105 ROBERTSON AVENUE , , NEWARK , CA, 94560 ,
Contact Phone No and Ext: 408-428-2205
Contact Email: MICKIEL@PWSEI.COM
Contact Country:
Land Type:
County Name: ALAMEDA
EPA Region: 09
Receive Date: 20190416
Location Latitude: 37.530532
Location Longitude: -122.019152

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Date: 20190416
Handler Name: VU, DAVID
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer
TSD Activity: Y

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: VU, DAVID
Date Became Current:
Date Ended Current:
Phone: 408-428-2205
Source Type: Implementer
Street No:
Street 1: 6105 ROBERTSON AVENUE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Owner/Operator Ind: Current Operator
Type: Other
Name: VU, DAVID
Date Became Current:
Date Ended Current:
Phone: 408-428-2205
Source Type: Implementer
Street No:
Street 1: 6105 ROBERTSON AVENUE
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
84	1 of1	NW	0.47 / 2,456.01	21.94 / 3	OLIVE AUTO REPAIR 37049 OLIVE ST NEWARK CA 94560	DELISTED HAZ

Siteid: 53696
Latitude: 37.530386
Longitude: -122.034530
Original Source: CHAZ
Record Date: 04-JAN-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
85	1 of2	ESE	0.49 / 2,563.54	21.46 / 2	Tesla Distribution Center - Newark 38503 CHERRY ST STE I NEWARK CA 94560	DELISTED HAZ

Siteid: 273587
Latitude: 37.521380
Longitude: -122.017480
Original Source: CHAZ
Record Date: 09-JUL-2018

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
85	2 of2	ESE	0.49 / 2,563.54	21.46 / 2	AHG RECYCLING 38503 CHERRY ST STE R NEWARK CA 94560	C&D DEBRIS RECY

County: ALAMEDA

Activity Type: PLASTIC SHREDDING AND GRINDING
Phone No: (510) 742-5800

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
86	1 of1	WNW	0.49 / 2,570.65	19.74 / 1	A O SMITH CORP NEWARK CA	PFAS IND

Status: Active
Fac Indian Cntry Flg: N
Fac Derived Huc: 18050003
Fac Derived Wbd: 180500040702
Fac Fips Code: 06001
Compliance Status: No Violation Identified
EPA Programs: RCRA
Federal Facility: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014445004012	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	1/15/1985	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	-
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	72.326	**TRI Reporter:**	-
Fac Pop Den:	3899.43	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-
Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	1/15/1985
Latitude:	37.52885	**Days Last Inspection:**	14200
Longitude:	-122.03609		

Fac Derived Tribes:	-
AIR IDs:	-
CAA Permit Types:	-
CAA NAICS:	-
CAA SICS:	-
NPDES IDs:	-
CWA Permit Types:	-
CWA NAICS:	-
CWA SICS:	-
RCRA IDs:	CAD000080226
RCRA Permit Types:	SQG
RCRA NAICS:	333414 335999
SDWA IDs:	-
SDWA System Types:	-
SDWA Compliance Status:	-
SDWA Snc Flag:	N
Fac Collection Meth:	ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us:	Y
EJSCREEN Report:	https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.03609,%22y%22:37.52885,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report:	https://echo.epa.gov/detailed-facility-report?fid=110002626427

Industry: Electronics Industry

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
87	1 of1	E	0.49 / 2,574.22	22.79 / 4	BASF CORPORATION NEWARK CA	PFAS IND

Status:	Active	**Fac Fips Code:**	06001
Fac Indian Cntry Flg:	N	**Compliance Status:**	No Violation Identified
Fac Derived Huc:	18050003	**EPA Programs:**	RCRA
Fac Derived Wbd:	180500040702	**Federal Facility:**	No
Fac Derived Cd113:	17	**Federal Agency:**	-
Fac Derived Cb2010:	060014446011016	**Fac Snc Flg:**	N
Fac Informal Count:	0	**AIR Flag:**	N
Last Informal Action:	-	**NPDES Flag:**	N
Formal Action Count:	0	**SDWIS Flag:**	N
Last Formal Action:	-	**RCRAFlag:**	Y
Fac Total Penalties:	0	**TRI Flag:**	N
Fac Penalty Count:	-	**GHG Flag:**	N
Date Last Penalty:	-	**TRI IDs:**	94560THRSY38403
Last Penalty Amt:	-	**TRI Releases Trnsfrs:**	-
Fac Qtrs With Nc:	0	**TRI on Site Releases:**	-
Programs With Snc:	0	**TRI off Site Trnsfrs:**	-
Fac Percent Minority:	70.675	**TRI Reporter:**	-
Fac Pop Den:	4397.77	**Fac Imp Water Flg:**	-
Count:	1	**Fac Major Flag:**	-

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Fac County:	ALAMEDA	**Fac Active Flag:**	Yes
State Other :		**Fac Inspection Count:**	0
Region:	09	**Date Last Inspection:**	-
Latitude:	37.5242	**Days Last Inspection:**	-
Longitude:	-122.0169		

Fac Derived Tribes: -
AIR IDs: -
CAA Permit Types: -
CAA NAICS: -
CAA SICS: -
NPDES IDs: -
CWA Permit Types: -
CWA NAICS: -
CWA SICS: -
RCRA IDs: CAD066572363
RCRA Permit Types: SQG
RCRA NAICS: 3241 23815
SDWA IDs: -
SDWA System Types: -
SDWA Compliance Status: -
SDWA Snc Flag: N
Fac Collection Meth: ADDRESS MATCHING-HOUSE NUMBER
EJSCREEN Flag Us: Y
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-122.0169,%22y%22:37.5242,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1
ECHO Facility Report: https://echo.epa.gov/detailed-facility-report?fid=110002429532

Industry: Cement Mfg

Industry: Chemical Mfg

Industry: Paints and Coatings

88	1 of5	ESE	0.71 / 3,739.98	23.11 / 4	**PETERBILT MOTORS CO** **38801 CHERRY ST** **NEWARK CA 94560**	RCRA CORRACTS

EPA Handler ID: CAD009120734
Gen Status Universe: Small Quantity Generator
Contact Name:
Contact Address: US
Contact Phone No and Ext:
Contact Email:
Contact Country: US
County Name: ALAMEDA
EPA Region: 09
Land Type:
Receive Date: 19921203
Location Latitude: 37.522697
Location Longitude: -122.014023

Event/Area Details

Area Name: ENTIRE FACILITY
Event Code: CA070NO
Corrective Action Event Descri: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY
Actual Date of Event: 19980530
Orig Sched Event Date: 19980530
New Sched Event Date:
Best Date: 19980530
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Area Name:
Event Code: CA029WQ
Corrective Action Event Descri: LEAD AGENCY DETERMINATION
Actual Date of Event: 19900416
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19900416
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA074ME
Corrective Action Event Descri: NCAPS RANKING/PRIORITY
Actual Date of Event: 19900416
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19900416
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA049PA
Corrective Action Event Descri: PA OR CERCLA INSPECTION
Actual Date of Event: 19900416
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19900416
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name:
Event Code: CA075ME
Corrective Action Event Descri: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date of Event: 19900416
Orig Sched Event Date:
New Sched Event Date:
Best Date: 19900416
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA050
Corrective Action Event Descri: RFA COMPLETED
Actual Date of Event: 19980530
Orig Sched Event Date: 19980530
New Sched Event Date:
Best Date: 19980530
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with

this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jan, 2024.

Violation Details

Found Violation:	Yes
Citation:	
Violation Short Description:	TSD - General
Violation Type:	264.A
Violation Determined Date:	19890926
Scheduled Compliance Date:	
Return to Compliance:	Observed
Actual Return to Compl:	19900910
Violation Responsible Agency:	State

Enforcement Details

Enforcement Type:	210
Enforcement Type Description:	INITIAL 3008(A) COMPLIANCE
Enforcement Action Date:	19900126
Enf Disposition Status:	
Disposition Status Date:	
Enforcement Lead Agency:	State
Proposed Penalty Amount:	
Final Amount:	
Paid Amount:	

Evaluation Details

Evaluation Start Date:	19890926
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION
Violation Short Description:	TSD - General
Return to Compliance Date:	19900910
Evaluation Agency:	State

Evaluation Start Date:	19890911
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner:	No
Smelting, Melting and Refining:	No
Underground Injection Control:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	19800721
Handler Name:	PETERBILT MOTORS CO

Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19921203
Handler Name: PETERBILT MOTORS CO
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Private
Name: PETERBILT MOTORS COMPANY
Date Became Current:
Date Ended Current:
Phone: 415-796-2026
Source Type: Implementer
Street No:
Street 1: 38801 CHERRY STREET
Street 2:
City: CITY NOT REPORTED
State: CA
Country:
Zip Code: 99999

Owner/Operator Ind: Current Owner
Type: Private
Name: PETERBILT MOTORS COMPANY
Date Became Current:
Date Ended Current:
Phone: 415-796-2026
Source Type: Notification
Street No:
Street 1: 38801 CHERRY STREET
Street 2:
City: NEWARK
State: CA
Country:
Zip Code: 94560

Historical Handler Details

Receive Dt: 19800721
Generator Code Description: Large Quantity Generator
Handler Name: PETERBILT MOTORS CO

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88 | ***2 of5*** | ***ESE*** | ***0.71 / 3,739.98*** | ***23.11 / 4*** | ***PACCAR INC 38801 CHERRY STREET NEWARK CA 945600000*** | ***ENVIROSTOR***

Estor/EPA ID: CAD009120734
Site Code:
Nat Priority List:
APN:
Census Tract: 6001444601
Site Type: CLOSED
Address Description: 38801 CHERRY STREET
Office:
Special Program:
Funding:
Cleanup Status:
Cleanup Oversight Agencies:
School District:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.521878
Longitude: -122.014381
Acres:
Supervisor:

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
Program Type: HAZ WASTE - RCRA

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009120734

Permit Units - Completed Activities

Date: 4/20/1983
Event Description: NEW OPERATING PERMIT - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Unit:
Doc Link:
Unit Link:

Date: 3/26/1982
Event Description: NEW OPERATING PERMIT - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Unit:
Doc Link:
Unit Link:

Date: 3/30/1981
Event Description: NEW OPERATING PERMIT - APPLICATION PART B RECEIVED
Unit:
Doc Link:
Unit Link:

Units Undergoing Closure

Date: 9/29/1988
Event Description: CLOSURE FINAL - ISSUE CLOSURE VERIFICATION
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/1860020279/Peterbilt%20Motors%20Closure%20Certification%20Acknowledgement.pdf

Date: 8/18/1987
Event Description: CLOSURE FINAL - RECEIVE CLOSURE CERTIFICATION
Unit: MULTIPLE UNITS
Doc Link:

88	3 of5	ESE	0.71 / 3,739.98	23.11 / 4	**PACCAR INC** **38801 CHERRY STREET** **NEWARK CA 945600000**	ENVIROSTOR

Estor/EPA ID: 80001595
Site Code:
Nat Priority List: NO
APN: 92A-2500-1-13
Census Tract: 6001444601
Site Type: CORRECTIVE ACTION
Address Description: 38801 CHERRY STREET
Office: CLEANUP BERKELEY
Special Program:
Funding:
Cleanup Status: REFER: RWQCB AS OF 6/8/1994
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.521878
Longitude: -122.014381
Acres: 0 ACRES
Supervisor:

NONE SPECIFIED

Site History:

The SWMUs and AOCs identified at the former Peterbilt Motors facility in Newark California have been either remediated, closed under the authority of a regulatory agency (i e DTSC, DHS, City of Newark) or did not require any remediation activities because no releases to the environment occurred Additionally, the groundwater extraction and treatment system, which began operation in 1991 with oversight by the San Francisco Regional Water Quality Control Board, addressed the remediation of the groundwater contamination which resulted from the operation of the facility. As a result of these previous remediation activities, there is no need

for further action, at this facility, by the Department of Toxic Substances Control, under RCRA Corrective Action

Status: REFER: RWQCB
Program Type: CORRECTIVE ACTION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=80001595

Completed Activities

Title: Voluntary C A
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Consent Order
Date Completed: 5/30/1998
Comments:

Title: PA OR CERCLA INSPECTION-NOT A PA PLUS (CA049PA)
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 4/16/1990
Comments:

Title: RFA COMPLETED (CA050)
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=80001595&enforcement_id=6015886
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: RCRA Facility Assessment Report
Date Completed: 5/30/1998
Comments: RCRA Facility Assessment Completed, site formerly known as Peterbilt Motors
The SWMUs and AOCs identified at the former Peterbilt Motors facility in Newark California have been either remediated, closed under the authority of a regulatory agency (i e DISC DHS, City of Newark) or did not require any remediation activities because no releases to the environment occurred Additionally, the groundwater extraction and treatment system, which began operation in 1991 with oversight by the San Francisco Regional Water Quality Control Board, addressed the remediation of the groundwater contamination which resulted 1rom the operation of the facility. As a result of these previous remediation activities, there is no need for further action, at this facility, by the Department of Toxic Substances Control, under RCRA Corrective Action

88	4 of5	ESE	0.71 / 3,739.98	23.11 / 4	**PACCAR INC** **38801 CHERRY STREET** **NEWARK CA 945600000**	HWP

Estor/EPA ID: CAD009120734
Nat Priority List:
Census Tract: 6001444601
Permit Renewl Lead:
Project Manager:
Site Code:
Cleanup Status:
Cleanup Oversight Agencies:
Assembly District: 24
Senate District: 10
School District:
Office:
Public Participatn Spclst:
Acres:
Supervisor:
County: ALAMEDA
Latitude: 37.521878
Longitude: -122.014381

Special Program:
Funding:
Site Type: CLOSED
APN:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contaminants of Concern:

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAD009120734

Permit Units - Completed Activities

Event Description: NEW OPERATING PERMIT - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Date: 3/26/1982
Unit:
Doc Link:
Unit Link:

Event Description: NEW OPERATING PERMIT - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Date: 4/20/1983
Unit:
Doc Link:
Unit Link:

Event Description: NEW OPERATING PERMIT - APPLICATION PART B RECEIVED
Date: 3/30/1981
Unit:
Doc Link:
Unit Link:

Units Undergoing Closure

Event Description: CLOSURE FINAL - RECEIVE CLOSURE CERTIFICATION
Date: 8/18/1987
Unit: MULTIPLE UNITS
Doc Link:

Event Description: CLOSURE FINAL - ISSUE CLOSURE VERIFICATION
Date: 9/29/1988
Unit: MULTIPLE UNITS
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/1860020279/Peterbilt%20Motors%20Closure%20Certification%20Acknowledgement.pdf

88	5 of5	ESE	0.71 / 3,739.98	23.11 / 4	PETERBUILT MOTORS 38801 CHERRY STREET NEWARK CA 94560	ENVIROSTOR

Estor/EPA ID: 01500034
Site Code:
Nat Priority List: NO
APN: 92A-2500-1-13
Census Tract: 6001444601
Site Type: * HISTORICAL
Address Description: 38801 CHERRY STREET
Office: CLEANUP BERKELEY
Special Program:
Funding:
Cleanup Status: REFER: RWQCB AS OF 6/8/1994

Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.5218789
Longitude: -122.0143818
Acres: NONE SPECIFIED
Supervisor:

Cleanup Oversight Agencies: RWQCB 2 - SAN FRANCISCO BAY - LEAD AGENCY
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Site History:

The Peterbilt Motors Site (Peterbilt/Site) operated a truck manufacturing facility from 1962 until October 1986. The Site's use prior to 1962 is unknown. The hazardous substances used and stored at the Site were: diesel fuel, gasoline, organic solvents, paints, and other organic chemicals. They were stored and/or treated in several areas of the facility: an underground storage tank (UST) area, an aboveground tank farm, four drum storage areas, a wastewater treatment plant including aboveground tanks, and a surface impoundment/waste evaporation pond area. Underground pipelines were used to transfer the hazardous substances between some of these areas. The manufacturing and waste management areas of the facility were closed by Peterbilt during the 1980s and early 1990s. The Site was used for office space, storage, warehousing, and as an engineering prototype test facility from 1986 to 1993. In 1994, property management and remediation responsibilities were transferred to Peterbuilt's parent company, PACCAR. PACCAR used the Site from 1993 to 1995 primarily for warehousing and shipping. The Site was sold to Georgia-Pacific Corporation (GP) on December 11, 1995. GP currently uses the Site as a rail-to-truck wood products distribution facility. Site investigations were conducted at the Site between 1983 to 1995 and addressed six areas of potential concern: 1) the underground storage tank (UST) area, 2) the pipeline/utility conduit area, 3) the aboveground tankfarm/wastewater treatment plant area, 4) the hydraulic lift pit area, 5) the oil spill area, 6) the surface impoundment/waste evaporation ponds area. The six areas were individually remediated under the oversight of various state and local agencies, including Newark Fire Department, San Francisco Regional Water Quality Control Board, the Department of Health Services (DHS -precursor to the Department of Toxic Substances Control or DTSC), and the Alameda County Water District. The SFRWQCB continues to act as lead agency and coordinates with the Alameda County Water District (ACWD) in overseeing groundwater is impacted with VOCs, BTEX, and TPH. The SFRWQCB adopted Order 97-114 (Order) on September 17, 1997 designating a groundwater containment zone.Groundwater monitoring is ongoing.

Potential Contamin of Concern:

HALOGENATED SOLVENTS
HYDROCARBON SOLVENTS
WASTE OIL & MIXED OIL

Status: REFER: RWQCB
Program Type: HISTORICAL
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01500034

Completed Activities

Title: De-Certification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: De-Certification
Date Completed: 6/8/1994
Comments:

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 10/15/1990
Comments:

Title: Certification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 1/1/1983
Comments:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
89	1 of4	WSW	0.82 / 4,351.59	14.57 / -5	HOLLAND OIL 8130 ENTERPRISE DRIVE NEWARK CA 94560	RESPONSE

Estor/EPA ID: 01290019
Nat Priority List: NO
Census Tract: 6001444302
Permit Renewl Lead:
Project Manager: DENISE TSUJI
Site Code:
Acres: 4 ACRES
Supervisor: DENISE TSUJI
County: ALAMEDA
Latitude: 37.5209813121808
Longitude: -122.044096472947

Cleanup Status: CERTIFIED AS OF 1/1/1985
Cleanup Oversight Agencies: ALAMEDA COUNTY;ALAMEDA COUNTY WATER DISTRICT - LEAD AGENCY;DTSC - SITE CLEANUP PROGRAM;NEWARK, CITY OF
Assembly District: 24
Senate District: 10
School District:
Office: CLEANUP BERKELEY
Public Participatn Spclst:
Special Program:
Funding: RESPONSIBLE PARTY
Site Type: STATE RESPONSE OR NPL
APN: 092-0116-012-15, 92-116-12-15
Past Use that Caused Contam: FUEL TERMINALS, RECYCLING - USED OIL
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

BENZENE
TPH-DIESEL
TPH-GAS

Site History:

The Holland Oil Site is currently owned by the Pozas Brothers Trucking Company (Pozas) as a truck maintenance facility. The Site contains a warehouse and an office type structure and an asphalt paved area used for tractor-trailer parking. Holland was also previously known as Abe Oil Incorporated (Abe) and as California Oil Recyclers. Between 1984 and 1994, the facility was a trucking terminal owned and operated by Consolidated Freightway. Between 1979 and 1984, the Site was occupied by six aboveground waste oil tanks with a total capacity of 750,000 gallons. These tanks were located within a spill containment area consisting of an earthen floor surrounded by a four-foot highcinder block retaining wall.

Status: CERTIFIED
Program Type: STATE RESPONSE
CalEnviroScreen Score: 45-50%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01290019

Completed Activities

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 2/7/1984
Comments: Completed PA. Between 1979 and 1984, the site had six above ground tanks (AGTs) with a total capacity of 750,000 gallons used for waste oils. An oil spill resulting from a mechanical hose failure occurred at the site in 1979 and was remediated under the oversight of the Alameda County Department of Environmental Health (ACDEH) and the Newark Fire Department (NFD).

Title: Site Screening Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01290019&doc_id=6009535
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 6/3/2003
Comments: State Screening Assessment during remediation under the ACWD and NFD. Recommendation: PEA/Deed Restriction.

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 4/10/1987
Comments: Completed Site Screening. In September 1984, a soil investigation at the site revealed the presence of total petroleum hydrocarbons as gasoline (TPHg) as high as 12000 ppm and TPH as diesel (TPHd) as high as 4100 ppm. In October 1984, the six waste oil AGTs were removed; approximately 160 cubic yards of soil (up to 5 feet depth) was excavated and disposed offsite. Site cleanup was subsequently reported to the Department of Health Services (DHS), predecessor to the Department of Toxic Substances Control (DTSC) in October 1984.

Title: Certification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 1/1/1985
Comments: In October 1984, the six waste oil AGTs were removed; approximately 160 cubic yards of soil (up to 5 feet depth) was excavated and disposed offsite. Site cleanup was completed and subsequently reported to the Department of Health Services (DHS), predecessor to DTSC in October 1984. Holland conducted post removal sampling in November 1984 under the oversight of the Newark Fire Department which showed significantly reduced TPH and no detectable levels of PCBs. DHS signed off on the cleanup of the site in a letter dated December 20, 1984 stating no further remedial action will be required for the site.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 9/14/1981
Comments:

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89 | ***2 of4*** | ***WSW*** | ***0.82 / 4,351.59*** | ***14.57 / -5*** | ***ABE OIL INC 8130 ENTERPRISE DR NEWARK CA 945600000*** | ***ENVIROSTOR***

Estor/EPA ID: CAT080013360
Site Code:
Nat Priority List:
APN:
Census Tract: 6001444302
Site Type: CLOSED
Address Description: 8130 ENTERPRISE DR
Office:
Special Program:
Funding:
Cleanup Status:
Cleanup Oversight Agencies:
School District:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contamin of Concern:

Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.521259
Longitude: -122.044019
Acres:
Supervisor:

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 45-50%

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAT080013360

Units Undergoing Closure

Date: 8/12/1987
Event Description: CLOSURE FINAL - ISSUE CLOSURE VERIFICATION
Unit: CONTAIN1
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/2202146232/ABE%20oil%20closure%20verification.pdf

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89 | ***3 of4*** | ***WSW*** | ***0.82 / 4,351.59*** | ***14.57 / -5*** | ***ABE OIL INC 8130 ENTERPRISE DR NEWARK CA 945600000*** | ***HWP***

Estor/EPA ID: CAT080013360
Nat Priority List:
Census Tract: 6001444302
Permit Renewl Lead:
Project Manager:
Site Code:
Cleanup Status:
Cleanup Oversight Agencies:
Assembly District: 24
Senate District: 10
School District:
Office:
Public Participatn Spclst:
Special Program:
Funding:
Site Type: CLOSED
APN:
Past Use that Caused Contam:
Potential Media Affected:
Potential Contaminants of Concern:
Acres:
Supervisor:
County: ALAMEDA
Latitude: 37.521259
Longitude: -122.044019

Site History:

NO FACILITY HISTORY HAS BEEN ENTERED FOR THIS SITE

Status: CLOSED
Program Type: HAZ WASTE - RCRA
CalEnviroScreen Score: 45-50%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report?global_id=CAT080013360

Units Undergoing Closure

Event Description: CLOSURE FINAL - ISSUE CLOSURE VERIFICATION
Date: 8/12/1987
Unit: CONTAIN1
Doc Link: https://www.hwmpenvirostor.dtsc.ca.gov/public/site_documents/2202146232/ABE%20oil%20closure%20verification.pdf

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89 | ***4 of4*** | ***WSW*** | ***0.82 / 4,351.59*** | ***14.57 / -5*** | ***HOLLAND OIL 8130 ENTERPRISE DRIVE NEWARK CA 94560*** | ***ENVIROSTOR***

Estor/EPA ID: 01290019
Site Code:
Nat Priority List: NO
APN: 092-0116-012-15, 92-116-12-15
Census Tract: 6001444302
Site Type: STATE RESPONSE OR NPL
Address Description: 8130 ENTERPRISE DRIVE
Office: CLEANUP BERKELEY
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager: DENISE TSUJI
County: ALAMEDA
Latitude: 37.5209813121808
Longitude: -122.044096472947

Special Program: ***Acres:*** 4 ACRES
Funding: RESPONSIBLE PARTY ***Supervisor:*** DENISE TSUJI
Cleanup Status: CERTIFIED AS OF 1/1/1985
Cleanup Oversight Agencies: ALAMEDA COUNTY;ALAMEDA COUNTY WATER DISTRICT - LEAD AGENCY;DTSC - SITE CLEANUP PROGRAM;NEWARK, CITY OF
School District:
Past Use that Caused Contam: FUEL TERMINALS, RECYCLING - USED OIL
Potential Media Affected: OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL
Potential Contamin of Concern:

BENZENE
TPH-DIESEL
TPH-GAS

Site History:

The Holland Oil Site is currently owned by the Pozas Brothers Trucking Company (Pozas) as a truck maintenance facility. The Site contains a warehouse and an office type structure and an asphalt paved area used for tractor-trailer parking. Holland was also previously known as Abe Oil Incorporated (Abe) and as California Oil Recyclers. Between 1984 and 1994, the facility was a trucking terminal owned and operated by Consolidated Freightway. Between 1979 and 1984, the Site was occupied by six aboveground waste oil tanks with a total capacity of 750,000 gallons. These tanks were located within a spill containment area consisting of an earthen floor surrounded by a four-foot highcinder block retaining wall.

Status: CERTIFIED
Program Type: STATE RESPONSE
CalEnviroScreen Score: 45-50%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01290019

Completed Activities

Title: Site Screening Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01290019&doc_id=6009535
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 6/3/2003
Comments: State Screening Assessment during remediation under the ACWD and NFD. Recommendation: PEA/Deed Restriction.

Title: Discovery
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: * Discovery
Date Completed: 9/14/1981
Comments:

Title: Preliminary Assessment Report
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 2/7/1984
Comments: Completed PA. Between 1979 and 1984, the site had six above ground tanks (AGTs) with a total capacity of 750,000 gallons used for waste oils. An oil spill resulting from a mechanical hose failure occurred at the site in 1979 and was remediated under the oversight of the Alameda County Department of Environmental Health (ACDEH) and the Newark Fire Department (NFD).

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Sub Area Link:
Document Type: Site Screening
Date Completed: 4/10/1987
Comments: Completed Site Screening. In September 1984, a soil investigation at the site revealed the presence of total petroleum hydrocarbons as gasoline (TPHg) as high as 12000 ppm and TPH as diesel (TPHd) as high as 4100 ppm. In October 1984, the six waste oil AGTs were removed; approximately 160 cubic yards of soil (up to 5 feet depth) was excavated and disposed offsite. Site cleanup was subsequently reported to the Department of Health Services (DHS), predecessor to the Department of Toxic Substances Control (DTSC) in October 1984.

Title: Certification
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Certification
Date Completed: 1/1/1985
Comments: In October 1984, the six waste oil AGTs were removed; approximately 160 cubic yards of soil (up to 5 feet depth) was excavated and disposed offsite. Site cleanup was completed and subsequently reported to the Department of Health Services (DHS), predecessor to DTSC in October 1984. Holland conducted post removal sampling in November 1984 under the oversight of the Newark Fire Department which showed significantly reduced TPH and no detectable levels of PCBs. DHS signed off on the cleanup of the site in a letter dated December 20, 1984 stating no further remedial action will be required for the site.

90	1 of1	NE	0.89 / 4,676.90	33.38 / 14	TIMBER STREET PROPERTY 37855, 37875 TIMBER STREET/38000, 38100, 38200, CEDAR BLVD NEWARK CA 94560	ENVIROSTOR

Estor/EPA ID: 60001995
Site Code: 202003
Nat Priority List: NO
APN: 092A212501500, 092A212501600, 092A212501801, 092A237502600, 092A237502701, 092A237502800, 092A237502900, 092A237503000, 092A237503100
Census Tract: 6001444601
Site Type: VOLUNTARY AGREEMENT
Address Description: 37855, 37875 TIMBER STREET/38000, 38100, 38200, CEDAR BLVD
Office: CLEANUP BERKELEY
Special Program:
Funding: SITE PROPONENT
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.5351805512573
Longitude: -122.014077094849
Acres: 12 ACRES
Supervisor: KAREN TOTH
Cleanup Status: NO FURTHER ACTION AS OF 12/18/2014
Cleanup Oversight Agencies: DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY
School District:
Past Use that Caused Contam: MANUFACTURING - METAL, METAL FINISHING, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE
Potential Media Affected: INDOOR AIR
Potential Contamin of Concern:

BENZENE
COBALT
TPH-MOTOR OIL
TPH-DIESEL

Site History:

Proposed site development consists of a mix of townhome and single-family residences. Current Property use includes automotive repair, a landscape business, an anodizing shop, recreational vehicle and automotive storage, and offices. Historically, the Property included a pallet storage yard, an auto paint company, a welding service, a marble and granite manufacturer, and companies in the lumber, forestry product, roofing supply, masonry and precast product industries. Numerous phase I and phase II environmental studies have been conducted for the property, primarily between 1990 and 2012.

Status: NO FURTHER ACTION
Program Type: VOLUNTARY CLEANUP

CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=60001995

Completed Activities

Title: Final Closure Report - Advanced Anodize, 38200 Cedar Blvd
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357461
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 10/10/2013
Comments:

Title: VCA Amendment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&enforcement_id=60376799
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 9/9/2014
Comments:

Title: Phase I Env. Site Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357491
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 5/26/2004
Comments:

Title: GW fieldwork
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Fieldwork
Date Completed: 11/24/2014
Comments:

Title: PEA Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357357
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Endangerment Assessment Report
Date Completed: 6/27/2014
Comments: No further action needed for soil and soil gas, but further action needed for gw.

Title: Soil Assessment Report-Golden State Auto Body, 37950 Cedar Blvd
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357467
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 9/23/2013
Comments:

Title: GW Characterization Workplan
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60376819
Area Name:

Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Workplan
Date Completed: 10/16/2014
Comments:

Title: Closure Report- Golden State Auto Body, 37950 Cedar Blvd
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357463
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 11/13/2013
Comments:

Title: Lead paint and asbestos material site survey
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357497
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 11/3/2006
Comments:

Title: Certification
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&enforcement_id=60376842
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: No Further Action Letter
Date Completed: 12/18/2014
Comments: The supplemental groundwater investigation revealed no contaminants in groundwater; no further action necessary

Title: Phase II Environmental Site Assessment- Entire Site
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357473
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 3/26/2013
Comments:

Title: Phase I Environmental Site Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357493
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 11/26/2012
Comments: Draft document - not reviewed by DTSC

Title: Environmental Site Assessment-Cedar Blvd
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357489
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 5/20/2005
Comments:

Title: VCA
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&enforcement_id=60357355

Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Standard Voluntary Agreement
Date Completed: 4/30/2014
Comments:

Title: GW Assessment & Soil Overexcavation, Golden State Auto Body
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357487
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 3/27/2014
Comments:

Title: Revised RAP-Golden State Auto Body, 37950 Cedar Blvd
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357471
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Workplan
Date Completed: 1/29/2014
Comments:

Title: Phase II - Addtl. Site Characterization
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357499
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 12/12/2006
Comments:

Title: Phase II Env. Site Assessment
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357495
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 8/24/2006
Comments:

Title: Alameda County-Facility Closure Approval-Advanced Anodize Inc.
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357502
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 4/9/2014
Comments: Alameda County-Facility Closure Approval-Advanced Anodize Inc.

Title: Alameda County-Facility Closure Approval-Golden State Auto Body
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60357504
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Technical Report
Date Completed: 4/9/2014
Comments:

Title: GW Site characterization report

Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=60001995&doc_id=60376823
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Characterization Report
Date Completed: 12/18/2014
Comments:

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91 | ***1 of1*** | ***ESE*** | ***0.90 / 4,741.55*** | ***20.47 / 1*** | ***CERRO METAL PRODUCTS COMPANY***
6707 MOWRY AVENUE
NEWARK CA 94560 | ***ENVIROSTOR***

Estor/EPA ID: 01330035
Site Code: 300189
Nat Priority List: NO
APN: NONE SPECIFIED
Census Tract: 6001444601
Site Type: EVALUATION
Address Description: 6707 MOWRY AVENUE
Office: CLEANUP BERKELEY
Special Program:
Funding:
Assembly District: 24
Senate District: 10
Permit Renewal Lead:
Public Partici Spclst:
Project Manager:
County: ALAMEDA
Latitude: 37.5196871
Longitude: -122.0103556
Acres: 0 ACRES
Supervisor:
Cleanup Status: REFER: RWQCB AS OF 9/13/2013
Cleanup Oversight Agencies: NONE SPECIFIED
School District:
Past Use that Caused Contam: NONE SPECIFIED
Potential Media Affected: NONE SPECIFIED
Potential Contamin of Concern:

METALS
UNCATEGORIZED

Site History:

The firm is a brass foundry which smelts brass scraps into cylindrical ingots. Soil sampling has detected elevated levels of lead, copper, nickel, barium and petroleum related compounds The Alameda County Health Department was preparing a preliminary assessment. Additional information is needed to determine the impact to groundwater and whatthreat the soil contaminants pose.

Status: REFER: RWQCB
Program Type: EVALUATION
CalEnviroScreen Score: 60-65%
Summary Link: https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=01330035

Completed Activities

Title: Site Screening
Title Link:
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 3/7/1987
Comments:

Title: Site Screening
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01330035&doc_id=6014542
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 10/8/2002
Comments:

Title: Site Screening
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01330035&doc_id=5014590
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 9/25/1990
Comments:

Title: Preliminary Assessment Report
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01330035&doc_id=5014591
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Preliminary Assessment Report
Date Completed: 9/25/1990
Comments:

Title: Site Screening
Title Link: https://www.envirostor.dtsc.ca.gov/public/final_documents2?global_id=01330035&doc_id=5014592
Area Name:
Area Link:
Sub Area:
Sub Area Link:
Document Type: Site Screening
Date Completed: 1/30/1990
Comments:

Unplottable Summary

Total: 26 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CALSITES	LESLIE SALT/FMC MAGNESIA WASTE PILE	WEST OF ENTERPRISE DRIVE	NEWARK CA	94560	891191635
CDO/CAO	Newark Sportsmans Club	Near End of Central Ave	Newark CA	94560	831530274
CERCLIS	LESLIE SALT CO MAGNESIA PILE PROPERTY	BASE OF ENTERPRISE DR ***Site EPA ID:*** CAD980673982	NEWARK CA	94560	805415734
CERCLIS NFRAP	LESLIE SALT CO MAGNESIA PILE PROPERTY	BASE OF ENTERPRISE DR ***Site EPA ID:*** CAD980673982	NEWARK CA	94560	805495045
CHMIRS	Amazon	3811 Cherry Street ***Control No | Notified Date:*** 23-0607 | 1/19/2023 8:02:00 AM	Newark CA	94560	919657449
CHMIRS	newark fire dept	corner of sycamore st and railroad track ***Control No | Notified Date:*** 1/9/1996	newark CA	94560	860459931
CHMIRS	UPRR	31.1 Milepost marker of the Coast subdivision at Central at Sycamore ***Control No | Notified Date:*** 1/9/200306:51:45 PM	Newark CA		821813133
CHMIRS	UPRR	nearest cross street is Central Ave. ***Control No | Notified Date:*** 3/10/200511:11:25 PM	Newark CA		821873252
CHMIRS	Matheson Gas	67775 Central Ave ***Control No | Notified Date:*** 6/27/199911:05:56 PM	Newark CA		821864515
CHMIRS	UPRR	Central Ave ***Control No | Notified Date:*** 7/28/200408:37:30 AM	Newark CA		821765248
CHMIRS	UPRR	Central Ave	Newark CA	68179	821779329

Control No* | *Notified Date: 2/10/200009:22:46 PM

CLEANUP SITES	WESTERN PACIFIC HOUSING	SYCAMORE STREET ***Global ID:*** SL0600194755	NEWARK CA	94560	820148452
CONT ALAMEDA	WESTERN PACIFIC HOUSING	SYCAMORE STREET	NEWARK CA	94560	891047280
ERNS		CENTRAL AVE ***NRC Report No:*** 519430	NEWARK CA		806933114
ERNS		CENTRAL ST. ***NRC Report No:*** 967790	ALAMEDA CA		806607290
FINDS/FRS	INTERLINK ELECTRONICS INC	8430 CENTRAL AVE STE C & D ***Registry ID:*** 110071455419	NEWARK CA	94560	921929025
FINDS/FRS	M-G DEVELOPMENT CORPORATION, A NEVADA CORPORATION	7444 SYCAMORE STREET ***Registry ID:*** 110070317090	NEWARK CA	94560	872594781
FINDS/FRS	ALAMEDA APARTMENTS/DEL CORONADO APARTMENTS	544 CENTRAL AVE, UNIT'S 217 & 212 ***Registry ID:*** 110071260258	ALAMEDA CA	94501	917165838
HAZ GEN	CARS	5423 CENTRAL AVE STE 1, 2,&3	NEWARK CA	945600000	900481531
HAZNET	REGENCY SQUARE (APTS)	(132 UNITS) 101-266 CENTRAL AVE	FREMONT CA	94536	826399823
HAZNET	GERARD TIRE #206	69995 CENTRAL AVE	NEWARK CA	908060000	826793083
HHSS	DISTRICT WAREHOUSE	23021 CHERRY	NEWARK CA	94540	822963205
HMIRS		Central Ave	Newark CA		845445070
RCRA NON GEN	ALAMEDA APARTMENTS/DEL	544 CENTRAL AVE, UNIT'S 217 & 212	ALAMEDA CA	94501	899807876

	CORONADO APARTMENTS	***EPA Handler ID:*** CAC003172515			
RCRA NON GEN	INTERLINK ELECTRONICS INC	8430 CENTRAL AVE STE C & D ***EPA Handler ID:*** CAL000479219	NEWARK CA	94560	921139738
SEMS ARCHIVE	LESLIE SALT CO MAGNESIA PILE PROPERTY	BASE OF ENTERPRISE DR ***EPA ID:*** CAD980673982	NEWARK CA	94560	828861449

Unplottable Report

Site: ***LESLIE SALT/FMC MAGNESIA WASTE PILE***
WEST OF ENTERPRISE DRIVE NEWARK CA 94560

CALSITES

ID No:	01280072	***Assembly:***	20
Status Date:	10/24/1991	***Senate:***	10
NPL:	N	***Region:***	2
Tier:		***Region Name:***	BERKELEY
Fund:	C	***County Co:***	01
Access :	C	***Facility County:***	ALAMEDA
Access Code:	CONTROLLED	***Lat Deg:***	0
Cortese:		***Lat Min:***	0
Hrscore:		***Lat Sec:***	0
Hrsdate:		***Lat Dir:***	
Groundwater Contam:	N	***Long Deg:***	0
GW Code:		***Long Min:***	0
No Sources:	0	***Long Sec:***	0
RWQCB Name:	SAN FRANCISCO BAY	***Long Dir:***	
Branch Name:	NORTH COAST	***Llmethod:***	
Staff:		***Lldesc:***	
Senior:			
Status Name:	CERTIFIED		
Type Name:	RESPONSIBLE PARTY		
Lead Name:	DEPT OF TOXIC SUBSTANCES CONTROL		
SIC Name:	MANU - CHEMICALS & ALLIED PRODUCTS		
Filename:			
Comments:			

Issued Remedial Action Order to the Leslie Salt Company and FMC Corporation. Approved RAP proposing the removal of all hazardous constituents from the site. Completed FRA. All the material was removed and disposed off-site.

Certified Site.

Background:

Leslie Salt owns the site and leased it to FMC Corporation from 1928 to 1968. During this period, FMC used the site for disposal of their process wastes. These wastes included: off-grade magnesia, dolomite, general rubbish, phosphorus sludges, gypsum and excess catalysts which were used for the production of synthetic rubber. The waste materials were disposed onsite in large piles. The catalyst material contains approximately 1-2% copper (20,000 parts per million) and mercury above the total threshold limit concentration.

Site: ***Newark Sportsmans Club***
Near End of Central Ave Newark CA 94560

CDO/CAO

Facility ID:	244225	***Design Flow:***	
Facility Type:	All other facilities	***Complexity:***	
Status:	Never Active	***Pretreatment:***	
Status Date:	2/21/2013	***Fee Code:***	
Place Type:	Facility	***SIC Code 1:***	7997
Place Sub Type:		***SIC Desc 1:***	Membership Sports and Recreation Clubs
Agency Type:	Privately-Owned Business	***SIC Code 2:***	
No of Agencies:	1	***SIC Desc 2:***	
Program:	UNREGS	***SIC Code 3:***	
No of Programs:	1	***SIC Desc 3:***	
WD ID:	2 019303N01	***NAICS Code 1:***	
Reg Measure ID:	162430	***NAICS Desc 1:***	
Region 1:	2	***NAICS Code 2:***	
Order No:		***NAICS Desc 2:***	
NPDES No Cano:		***NAICS Code 3:***	
Major Minor:		***NAICS Desc 3:***	
NPDES Type:		***No of Places:***	1

Reclamation:
Dredge Fill Fee:
A301H:
Effective Date:
Region: 2
Agency Name: Newarks Sportsmans Club & Cargill
Status 1: Active
Facility Waste Type:
Facility Waste Type 3:
Facility Waste Type 4:
Facility Waste Type 2:
Title: Enforcement - 2 019303N01
Description: SCR-
Threat to Water Quality:
Reg Measure Type: Unregulated
Program 1: UNREGS
No of Programs 1: 1
Enforcement ID EID: 223275
Order Resolution No: 94-096
Enforcement Action Type: Clean-up and Abatement Order
Effective Date 1: 8/17/1994
Year Effective:
Adoption Issuance Date:
Achieve Date:
Year Effective2:
ACL Issuance Date:
EPL Issuance Date:
Latest Milestone Completion Da:
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability Amount: 0
Project Amount: 0
Application Fee Amt Received:
Liability Paid: 0
Project Completed: 0
Total Paid Completed Amount: 0
Agency Issuing Enf:
Date of Oldest Violation Linke:
Rank 1 Violations: 0
Rank 2 Violations: 0
Rank 3 Violations: 0
Unclassified Violations: 0
Atox Violations No: 0
Expiration Review Date:
Termination Date:
WDR Review Amend:
WDR Review Revise Renew:
WDR Review Resc Ind:
WDR Review No Action Required:
WDR Review Pending:
WDR Review Planned:
Status Enrollee: No
Individual General: I
No of Staff Assigned: 1
Supervisor:
No of Supervisors:
Direction Voice: Passive
Region 2: 2
Assigned Staff:
No of Assigned Staff:
Supervisor2:
No of Supervisors 1: 1

Staff Assigned: Tom Butler
Place County: Alameda
Place Latitude:
Place Longitude:
Source of Facility: Reg Meas

Program Category: UNREGS
Program Category 1: UNREGS
Late Report VIO No: 0
OEV VIO No: 0
Other Codes VIO No: 0
Permit Condit VIO No: 0

Tot No of VIO Linked : 0
Ctox Violations No: 0
Dfcnt Monitor VIO No: 0
Dfcnt Report VIO No: 0
Enfcmt Act VIO No: 0
Fees Violations No: 0

Pretreatment VIO No:	0	***Groundwater VIO No:***	0
SSO Violations No:	0	***Hydro Mod VIO No:***	0
Surface Wtr VIO No:	0	***Effluent MMP Serious:***	0
SWPPP Violations No:	0	***Chronic MMP:***	0
Total MMP VIO No:	0	***Report MMP Serious:***	0
Priority Violations:	0	***Economic Benefit:***	
BMP Violations No:	0	***Staff Cost:***	
Cat1 Violations No:	0	***Max Pot Liability:***	
Cat2 Violations No:	0	***Termination Date 1:***	
Reporting F to Notify VIO No:	0		
Unauthorized Discharge VIO No:	0		
Basin Plan Prohibition VIO:	0		

Site: ***LESLIE SALT CO MAGNESIA PILE PROPERTY***
BASE OF ENTERPRISE DR NEWARK CA 94560

CERCLIS

Site ID:	0901945	***RNPL Status Code:***	N
Site EPA ID:	CAD980673982	***NPL Status:***	Not on the NPL
Site Street Address 2:		***RFED Facility Code:***	N
Site County Name:	ALAMEDA	***RFED Facility Desc:***	Not a Federal Facility
Site FIPS Code:	06001	***USGS Hydro Unit No.:***	18050003
Region Code:	09	***Site Cong. Dist. Code:***	10
Site SMSA No.:	7360	***ROT Desc:***	Unknown
Site Prim. Latitude:	37D31M15S	***FR NPL Update No.:***	
Site Prim. Longitude:	122D03M10S	***RFRA Code:***	
Lat Long Source:			

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	
Act Code ID:		***Act Start Date:***	
RAT Code:		***Act Complete Date:***	
RAT Short Name:		***AGT Order No.:***	0
RAT Name:		***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:		***SH Seq:***	
RAT Level:		***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:			
RAT Def:			

Site Desc: No description available
.

Site Alias: No alias data available

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	10/1/1984 00:00:00
RAT Code:	PA	***Act Complete Date:***	2/1/1985 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund

Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	10/1/1979 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA In-House
Act Code ID:	001	***Act Start Date:***	
RAT Code:	VS	***Act Complete Date:***	2/1/1985 00:00:00
RAT Short Name:	ARCH SITE	***AGT Order No.:***	1500
RAT Name:	ARCHIVE SITE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The decision is made that no further activity is planned at the site.

Site Desc:

Site Alias:

Site: ***LESLIE SALT CO MAGNESIA PILE PROPERTY***
BASE OF ENTERPRISE DR NEWARK CA 94560

CERCLIS NFRAP

Site ID:	901945	***Site FIPS Code:***	6001
Site EPA ID:	CAD980673982	***Region Code:***	9
Site Parent ID:		***Site Cong. Dist. Code:***	10
Site County Name:	ALAMEDA	***Federal Facility:***	
Parent Site Name:			

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	10/1/1984
Act Code ID:	1	***Act Complete Date:***	2/1/1985
RAT Code:	PA	***AGT Order No.:***	130
RAT Short Name:	PA	***SH OU:***	
RAT Name:	PRELIMINARY ASSESSMENT	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:	P	***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	NFRAP
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

RNON NPL Status Desc: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	2/1/1985
RAT Code:	VS	***AGT Order No.:***	1500
RAT Short Name:	ARCH SITE	***SH OU:***	
RAT Name:	ARCHIVE SITE	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	

RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA In-House	***RNPL Status Code:***	N
RAT Def:	The decision is made that no further activity is planned at the site.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

CERCLIS-NFRAP Assess History

OU ID:	0	***Act Start Date:***	
Act Code ID:	1	***Act Complete Date:***	10/1/1979
RAT Code:	DS	***AGT Order No.:***	10
RAT Short Name:	DISCVRY	***SH OU:***	
RAT Name:	DISCOVERY	***SH Code:***	
RAT Hist. Only Flag:		***SH Seq:***	
RAT NSI Indicator:	B	***SH Start Date:***	
RAT Level:	1	***SH Complete Date:***	
RAT DEF OU:	00	***SH Lead:***	
RFBS Code:		***SH Qual:***	
SPA Code:	13	***RAQ Act. Qual Short:***	
RALT Short Name:	EPA Fund	***RNPL Status Code:***	N
RAT Def:	The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.		
RNON NPL Status Desc:	NFRAP-Site does not qualify for the NPL based on existing information		

Site: ***Amazon***
3811 Cherry Street Newark CA 94560

CHMIRS

Control No:	23-0607	***Notified Date:***	1/19/2023 8:02:00 AM
County:	Alameda County	***Notified Date Time:***	
Year:	2023		
URL:			

Spill Report View

Water:		***Creation Date:***	01/19/2023 08:02 AM
Document Title:	SPILL Report		
Spill Site:	Merchant/Business		
Type:	PETROLEUM		

Hazardous Materials Spill Report

Date :	01/19/2023	***Water Involved:***	No
Time:	0802	***Drink Wtr Impact:***	No
Incident Date:	01/19/2023	***Detail for Other:***	
Incident Time:	0340	***UPRR Rim No:***	
Control Cal OES:	23-0607	***DOG Unit:***	
Control NRC:		***RWQCB Unit:***	2
Contained:	Stopped, Contained		
Waterway:	None		
Received By:			
Cleanup By:	Contractor		
Incident Location:	3811 Cherry Street		
Additional County:			
1 Substance:	Diesel		
1 Qty:	=		
1 Amount :	75		
1 Measure:	Gal(s)		
1 Type:	PETROLEUM		
1 Other:			
1 Pipeline:	No		
1 Ves >= 300 Tons:	No		
2 Substance:			
2 Qty:	=		
2 Amount:			
2 Measure:			
2 Type:			

2 Other:	
2 Pipeline:	No
2 Ves >= 300 Tns:	No
3 Substance:	
3 Qty:	=
3 Amount:	
3 Measure:	
3 Type:	
3 Other:	
3 Pipeline:	No
3 Ves >= 300 Tons:	No
Injuries:	No
Fatality:	No
Evacuation:	No
Known Impact:	None
Agency:	Amazon
PRS Agency:	
Sec Agency:	Newark Fire Department
Admin Agency:	Alameda County Environmental Health
Admin Agency 2:	
On Scene:	
Other on Scene:	
Other Notified:	
Header Unknown:	BAY AREA AQMD
Site:	Merchant/Business
Reported Cause:	Mechanical
R R Crssing < 50 Ft:	
Description:	Reporting party states that a 3rd party vendor noticed damage to his truck's fuel tank and proceeded to drive into the listed facility. A small leak from the tank developed overnight from the large diesel fuel tank. Diesel leaked onto cement, soil, and grass. US Ecology conducting clean up. No waterways were impacted. Absorbent powder, blankets, and stops have been deployed in drains.

California Hazardous Material Incident Report System (2023)

Incident Date:	1/19/2023	***Injuries Yes/No:***	No
Time:	340	***Injuries No:***	
Water:	No	***Fatals Yes/No:***	No
Cause:	Mechanical	***Fatals No:***	
DOG No:		***Evacs Yes/No:***	No

Spill Site:	Merchant/Business
Site:	None
City:	Newark
County:	Alameda County
Zip:	94560
Contained:	Stopped,Contained
Water Way:	None
Evacs No:	
Cleanup:	Contractor
A1 Substance:	Diesel
A1 Quantity:	75
A1 Measure:	Gal(s)
A1 Type:	PETROLEUM
A1 Other:	
A1 Pipeline:	No
A1 Vessel 300 Tons:	No
A2 Substance:	
A2 Quantity:	
A2 Measure:	
A2 Type:	
A2 Other:	
A2 Pipeline:	No
A2 Vessel 300 Tons:	No
A3 Substance:	
A3 Quantity:	
A3 Measure:	
A3 Type:	
A3 Other:	
A3 Pipeline:	No
A3 Vessel 300 Tons:	No
Cause Other:	

Admin Agency:	Alameda County Environmental Health
Notification Area:	AA/CUPA,DTSC,RWQCB,US EPA,USFWS,Co/WP,Co/Hlth,Co/E-Hlth
Description:	Reporting party states that a 3rd party vendor noticed damage to his truck's fuel tank and proceeded to drive into the listed facility. A small leak from the tank developed overnight from the large diesel fuel tank. Diesel leaked onto cement, soil, and grass. US Ecology conducting clean up. No waterways were impacted. Absorbent powder, blankets, and stops have been deployed in drains.
Location:	3811 Cherry Street

Site: ***newark fire dept***
corner of sycamore st and railroad track newark CA 94560

CHMIRS

Control No:		***Notified Date:***	1/9/1996
County:	ALAMEDA	***Notified Date Time:***	03:55:52 PM
Year:	1996		
URL:			

California Hazardous Material Incident Report System (as of 1993 to 1996)

Contained:	YES	***Incident Date:***	1500/09jan96
Substance:	unknown red substance mixed in the water	***Injuries?:***	NO
Type:	CHEMICAL	***Fatals?:***	NO
Qty:		***Evacs?:***	NO
Other:		***Cleanup:***	unknown
Measure:		***Site:***	OTHER
Amount:	2ft x 100ft	***City:***	newark
Water:	NO	***County:***	ALAMEDA
Water Way:	flood control channel	***ZIP:***	94560
Location:	corner of sycamore st and railroad track		
Description:	unknown source - co flood control called fire to respond fire dept is attempting to stop flow with sand, caller anticipates containment soon		

Site: ***UPRR***
31.1 Milepost marker of the Coast subdivision at Central at Sycamore Newark CA

CHMIRS

Control No:		***Notified Date:***	1/9/200306:51:45 PM
County:	Alameda County	***Notified Date Time:***	
Year:	2003		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Unknown	***Bbls:***	0
Substance:	Train Derailment	***Cups:***	0
Incident Date:	1/9/200312:00:00 AM	***Cu Ft:***	0
No of Injuries:	0	***Gals:***	0.000000
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	0
Cleanup:	N/A	***Liters:***	0
Water:	No	***Oz:***	0
Water Way:		***Pts:***	0
City:	Newark	***Qts:***	0
County:	Alameda County	***Sheen:***	0
ZIP:		***Tons:***	0
Site:	Rail Road	***Unknown:***	0
Admin Agency:	Newark Fire Department		
Location:	31.1 Milepost marker of the Coast subdivision at Central at Sycamore		
Description:	Per caller, cause of the derailment is unknown. 1 car was derailed and remained upright. The car was loaded with salt. It is unknown if any damage to the tracks		

Site: ***UPRR***
nearest cross street is Central Ave. Newark CA

CHMIRS

Control No:		***Notified Date:***	3/10/200511:11:25 PM
County:	Alameda County	***Notified Date Time:***	
Year:	2005		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	***Bbls:***	0
Substance:	Train Derailment	***Cups:***	0
Incident Date:	3/10/200512:00:00 AM	***Cu Ft:***	0
No of Injuries:	0	***Gals:***	0.000000
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	0
Cleanup:	None	***Liters:***	0
Water:		***Oz:***	0
Water Way:		***Pts:***	0
City:	Newark	***Qts:***	0
County:	Alameda County	***Sheen:***	0
ZIP:		***Tons:***	0
Site:	Rail Road	***Unknown:***	0

Admin Agency: Newark Fire Department
Location: nearest cross street is Central Ave.
Description: Four (4) empty rail cars remain in an upright position after derailing. Cause of derailment is under investigation, no injuries or release of material.

Site: ***Matheson Gas***
67775 Central Ave Newark CA

CHMIRS

Control No:		***Notified Date:***	6/27/199911:05:56 PM
County:	Alameda County	***Notified Date Time:***	
Year:	1999		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	***Bbls:***	0
Substance:	Boron Tri Fluoride	***Cups:***	0
Incident Date:	6/27/199912:00:00 AM	***Cu Ft:***	0
No of Injuries:	0	***Gals:***	0
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	4
Cleanup:	Responsible Party	***Liters:***	0
Water:	No	***Oz:***	0
Water Way:		***Pts:***	0
City:	Newark	***Qts:***	0
County:	Alameda County	***Sheen:***	0
ZIP:		***Tons:***	0
Site:	Industrial Plant	***Unknown:***	0

Admin Agency: Newark Fire Department
Location: 67775 Central Ave
Description: The above substances were in cylinders being stored in a manufacturing yard. Due to the high temperatures today the cylinders began leaking. 1-2 lbs of each cylinder released to the atmosphere. The remainder was secured.

Site: ***UPRR***
Central Ave Newark CA

CHMIRS

Control No:		***Notified Date:***	7/28/200408:37:30 AM
County:	Alameda County	***Notified Date Time:***	
Year:	2004		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	***Bbls:***	0
Substance:	oil	***Cups:***	0
Incident Date:	7/28/200412:00:00 AM	***Cu Ft:***	0
No of Injuries:	0	***Gals:***	55
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	0
Cleanup:	Contractor	***Liters:***	0
Water:		***Oz:***	0
Water Way:		***Pts:***	0

City:	Newark	***Qts:***	0
County:	Alameda County	***Sheen:***	0
ZIP:		***Tons:***	0
Site:	Rail Road	***Unknown:***	0
Admin Agency:	Newark Fire Department		
Location:	Central Ave		
Description:	A partially full 55 Gal Drum of oil was deposited on UPRR right-of-way by unknown party. Slight leak with approx 1/2 gallon leaked.		

Site: ***UPRR***
Central Ave Newark CA 68179

CHMIRS

Control No:		***Notified Date:***	2/10/200009:22:46 PM
County:	Alameda County	***Notified Date Time:***	
Year:	2000		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	***Bbls:***	0
Substance:	Train Derailment	***Cups:***	0
Incident Date:	2/10/200012:00:00 AM	***Cu Ft:***	0
No of Injuries:	0	***Gals:***	0.000000
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	0
Cleanup:	Reporting Party	***Liters:***	0
Water:	No	***Oz:***	0
Water Way:		***Pts:***	0
City:	Newark	***Qts:***	0
County:	Alameda County	***Sheen:***	0
ZIP:	68179	***Tons:***	0
Site:	Rail Road	***Unknown:***	0
Admin Agency:	Newark Fire Department		
Location:	Central Ave		
Description:	Derailment of one empty box car and one loaded with lumber. Neither car overturned, just lost the wheels off both of them. No hazardous spill.		

Site: ***WESTERN PACIFIC HOUSING***
SYCAMORE STREET NEWARK CA 94560

CLEANUP SITES

Global ID:	SL0600194755	***Case Type (DL):***	
Site Facility Type:		***Census Tract:***	6001444500
Cleanup Status:		***RWQCB Region (DL):***	
Status (SRCH):	COMPLETED - CASE CLOSED	***Longitude:***	
Status (DL):		***Latitude:***	
Status Date (DL):			
Address:	SYCAMORE STREET		
City:	NEWARK		
County:	ALAMEDA		
Zip:	94560		
State:	CA		
Report Source:	Cleanup Program Sites - GeoTracker Search Results (SRCH)		

GeoTracker Sites Data Download - Site Details

RB Case No:	01S0522
Local Case No:	0577
Begin Date:	12/4/1998
Lead Agency:	ALAMEDA COUNTY WATER DISTRICT
Local Agency:	
CUF Case:	NO
CalEnvScreen Score:	
EPA Region:	9
Qty Rlsd Gallons:	
Potential COC:	
How Discovered:	
Stop Method:	
Stop Description:	

Case Worker:
Military DoD Site: No
Leak Reported Dt:
No Further Action Dt: 1998-12-04 00:00:00
Potential Media of Concern:
How Discovered Description:
Calwater Watershed Name: Santa Clara - Fremont Bayside (205.20)
DWR GW Subbasin Name: Santa Clara Valley - Niles Cone (2-009.01)
Disadvantaged Community:
Coordinate Source: Google Geocode
Discharge Cause:
Discharge Source:
Facility Project Sub Type:
Calenviroscreen 3 Score: 66-70%
Calenviroscreen 4 Score: 60-65%
File Location:
Site History:

GeoTracker Sites Data Download - Status History

Status: Open - Case Begin Date
Status Date: 1998-12-04 00:00:00

Status: Completed - Case Closed
Status Date: 1998-12-04 00:00:00

GeoTracker Sites Data Download - Regulatory Contacts

Contact Type: Regional Board Caseworker
Contact Name: Regional Water Board
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY ST SUITE 1400
City: OAKLAND
Email:
Phone No:

GeoTracker Search - Facilities (as of October 16, 2023)

Project Status:
Cuf Claim No:
CUF Priority Assign:
CUF Amount Paid:
Composting Method:
Facility Type:
WDR Place Type:
WDR File No:
WDR Order No:
File Location:
User Defined Beneficial Use:
Designated Beneficial Use: MUN, AGR, IND, PROC
Designated Beneficl Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0600194755
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 12/4/1998
Potential COC: NONE SPECIFIED
Potential Media of Concern: NONE SPECIFIED
Groundwater Monitoring Freq:
DWR GW Sub Basin: Santa Clara Valley - Niles Cone (2-009.01)
CalWater Watershed Name: Santa Clara - Fremont Bayside (205.20)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: ALAMEDA COUNTY WATER DISTRICT (LEAD) - CASE #: 0577
SAN FRANCISCO BAY RWQCB (REGION 2) - CASE #: 01S0522
CASE MANAGER: Regional Water Board
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=SL0600194755&tabname=regulatoryhistory
Site History:

No site history available

GeoTracker Search - Regulatory Activities (as of October 16, 2023)

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 12/4/1998
Received Issue Date: 12/4/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600194755&doc_id=6014649
Title Description Comments:

Case Closure Letter

Action Type: Response Requested - Other
Action: Other Report / Document
Action Date: 12/4/1998
Received Issue Date: 12/4/1998
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=SL0600194755&doc_id=6014650
Title Description Comments:

case data sheet

GeoTracker Search - Documents (as of October 16, 2023)

Document Type: Site Documents ***Document Date:*** 12/4/1998
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: ANGEL MCKNEELY (REGULATOR)
Title: CASE CLOSURE LETTER
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600194755&document_id=6014649

Document Type: Site Documents ***Document Date:*** 12/4/1998
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Submitted By: ANGEL MCKNEELY (REGULATOR)
Title: CASE DATA SHEET
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=SL0600194755&document_id=6014650

GeoTracker Search - Cleanup Status History (as of October 16, 2023)

Status: Completed - Case Closed
Date: 12/4/1998

Status: Open - Case Begin Date
Date: 12/4/1998

Site: ***WESTERN PACIFIC HOUSING***
SYCAMORE STREET NEWARK CA 94560

CONT ALAMEDA

Facility Type: CLEANUP PROGRAM SITE ***Rel Desc:***
Status: COMPLETED - CASE CLOSED ***Rel Type:***
Site Code: ***Rel T Desc:***
Site ID: ***Program:***
Record ID: ***Case Desc:***
ID Type: ***ID Date:***
Substance:
County: ALAMEDA
Longitude:
Latitude:

Site Details

Global ID: SL0600194755 ***Inv Party:***
Fac ID: ***Inv P Type:***
Desc:

Site:

CENTRAL AVE NEWARK CA

ERNS

NRC Report No:	519430	***Latitude Degrees:***	
Type of Incident:	RAILROAD NON-RELEASE	***Latitude Minutes:***	
Incident Cause:	UNKNOWN	***Latitude Seconds:***	
Incident Date:	10-Feb-2000 21:00:00	***Longitude Degrees:***	
Incident Location:		***Longitude Minutes:***	
Incident Dtg:	OCCURRED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Direction from City:		***Location Section:***	
Location County:	ALAMEDA	***Location Township:***	
Potential Flag:		***Location Range:***	
Year:	Year 2000 Reports		

Description of Incident: TWO RAIL CARS DERAILED AT A CROSSING DUE TO UNKNOWN CAUSES

Calls Information

Date Time Received:	11-Feb-2000 00:36:53	***Responsible City:***	
Date Time Complete:	11-Feb-2000 00:41:20	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	UNAVAILABLE
Resp Org Type:	N/A		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	N
NPDES:		***Airbag Deployed:***	
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	N
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:	UNKNOWN	***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:	UNKNOWN	***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:	749943G	***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:	Yes	***RCL Operator Test:***	
Railroad Milepost:	31.1	***Brakeman Test:***	
Grade Crossing:	N	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	Y	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	
Release Rate:		***State Agen on Scene:***	
Release Rate Unit:		***State Agen Notified:***	
Release Rate Rate:		***Fed Agency Notified:***	
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:		***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	
Radius of Evac:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	
No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	MPH
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	N
Waterway Close Time:		***Passengers Transfer:***	UNK
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	RAIL REPORT (N/A)	***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	BOTH CARS DERAILED UPRIGHT

Site:

CENTRAL ST. ALAMEDA CA

ERNS

NRC Report No:	967790	***Latitude Degrees:***	
Type of Incident:	VESSEL	***Latitude Minutes:***	
Incident Cause:	OTHER	***Latitude Seconds:***	
Incident Date:	17-Feb-2011 14:20:00	***Longitude Degrees:***	
Incident Location:	BEHIND ENCINAL HIGH SCHOOL	***Longitude Minutes:***	
Incident Dtg:	DISCOVERED	***Longitude Seconds:***	
Distance from City:		***Lat Quad:***	
Distance Units:		***Long Quad:***	
Direction from City:		***Location Section:***	
Location County:	ALAMEDA	***Location Township:***	
Potential Flag:	Yes	***Location Range:***	
Year:	Year 2011 Reports		

Description of Incident: CALLER REPORTED THERE IS A SAIL BOAT THAT RAN AGROUND AND HAS A CRACK IN IT. CALLER STATED THERE IS NO MATERIAL LEAKING AND THE VESSEL IS NOT SINKING.

Material Spill Information

Chris Code:	OUN	***Unit of Measure:***	UNKNOWN AMOUNT
CAS No:	000000-00-0	***If Reached Water:***	NO
UN No:		***Amount in Water:***	
Name of Material:	UNKNOWN OIL	***Unit Reach Water:***	
Amount of Material:	0		

Calls Information

Date Time Received:	17-Feb-2011 17:46:52	***Responsible City:***	
Date Time Complete:	17-Feb-2011 17:54:26	***Responsible State:***	XX
Call Type:	INC	***Responsible Zip:***	
Resp Company:		***Source:***	TELEPHONE
Resp Org Type:	UNKNOWN		

Incident Information

Tank ID:		***Building ID:***	
Tank Regulated:	U	***Location Area ID:***	
Tank Regulated By:		***Location Block ID:***	
Capacity of Tank:		***OCSG No:***	
Capacity Tank Units:		***OCSP No:***	
Description of Tank:		***State Lease No:***	
Actual Amount:		***Pier Dock No:***	
Actual Amount Units:		***Berth Slip No:***	
Tank Above Ground:	ABOVE	***Brake Failure:***	U
NPDES:		***Airbag Deployed:***	U
NPDES Compliance:	U	***Transport Contain:***	U
Init Contin Rel No:		***Location Subdiv:***	
Contin Rel Permit:		***Platform Rig Name:***	
Contin Release Type:		***Platform Letter:***	
Aircraft ID:		***Allision:***	U
Aircraft Runway No:		***Type of Structure:***	
Aircraft Spot No:		***Structure Name:***	
Aircraft Type:		***Structure Oper:***	U
Aircraft Model:		***Transit Bus Flag:***	
Aircraft Fuel Cap:		***Date Time Norm Serv:***	
Aircraft Fuel Cap U:		***Serv Disrupt Time:***	
Aircraft Fuel on Brd:		***Serv Disrupt Units:***	
Aircraft Fuel OB U:		***CR Begin Date:***	
Aircraft Hanger:		***CR End Date:***	
Road Mile Marker:		***CR Change Date:***	
Power Gen Facility:	U	***FBI Contact:***	
Generating Capacity:		***FBI Contact Dt Tm:***	
Type of Fixed Obj:		***Passenger Handling:***	
Type of Fuel:		***Passenger Route:***	XXX
DOT Crossing No:		***Passenger Delay:***	XXX
DOT Regulated:	U	***Sub Part C Test Req:***	XXX
Pipeline Type:		***Conductor Test:***	
Pipeline Abv Ground:	ABOVE	***Engineer Test:***	
Pipeline Covered:	U	***Trainman Test:***	
Exposed Underwater:	N	***Yard Foreman Test:***	
Railroad Hotline:		***RCL Operator Test:***	
Railroad Milepost:		***Brakeman Test:***	
Grade Crossing:	U	***Train Dispat Test:***	
Crossing Device Ty:		***Signalman Test:***	
Ty Vehicle Involved:		***Oth Employee Test:***	
Device Operational:	U	***Unknown Test:***	

Incident Details Information

Release Secured:	U	***State Agen Report No:***	NONE
Release Rate:		***State Agen on Scene:***	NONE
Release Rate Unit:		***State Agen Notified:***	NONE
Release Rate Rate:		***Fed Agency Notified:***	NONE
Est Duration of Rel:		***Oth Agency Notified:***	
Desc Remedial Act:	NONE	***Body of Water:***	
Fire Involved:	N	***Tributary of:***	
Fire Extinguished:	U	***Near River Mile Make:***	
Any Evacuations:	N	***Near River Mile Mark:***	
No Evacuated:		***Offshore:***	N
Who Evacuated:		***Weather Conditions:***	RAINY
Radius of Evac:		***Air Temperature:***	
Any Injuries:	N	***Wind Direction:***	

No. Injured:		***Wind Speed:***	
No. Hospitalized:		***Wind Speed Unit:***	
No. Fatalities:		***Water Supp Contam:***	U
Any Fatalities:	N	***Water Temperature:***	
Any Damages:	N	***Wave Condition:***	
Damage Amount:		***Current Speed:***	
Air Corridor Closed:	N	***Current Direction:***	
Air Corridor Desc:		***Current Speed Unit:***	
Air Closure Time:		***EMPL Fatality:***	
Waterway Closed:	N	***Pass Fatality:***	
Waterway Desc:		***Community Impact:***	
Waterway Close Time:		***Passengers Transfer:***	NO
Road Closed:	N	***Passenger Injuries:***	
Road Desc:		***Employee Injuries:***	
Road Closure Time:		***Occupant Fatality:***	
Road Closure Units:		***Sheen Size:***	
Closure Direction:		***Sheen Size Units:***	
Major Artery:	No	***Sheen Size Length:***	
Track Closed:	N	***Sheen Size Length U:***	
Track Desc:		***Sheen Size Width:***	
Track Closure Time:		***Sheen Size Width U:***	
Track Closure Units:		***Sheen Color:***	
Track Close Dir:		***Dir of Sheen Travel:***	
Media Interest:	NONE	***Sheen Odor Desc:***	
Medium Desc:	NON-RELEASE (N/A)	***Duration Unit:***	
Addl Medium Info:		***Additional Info:***	NO ADDITIONAL INFORMATION.

Site: ***INTERLINK ELECTRONICS INC***
8430 CENTRAL AVE STE C & D NEWARK CA 94560

FINDS/FRS

Registry ID:	110071455419
FIPS Code:	06001
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	08-SEP-23
Update Date:	
Interest Types:	UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	
Census Block Code:	
EPA Region Code:	09
County Name:	ALAMEDA
US/Mexico Border Ind:	
Latitude:	
Longitude:	
Reference Point:	
Coord Collection Method:	
Accuracy Value:	
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071455419
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

RCRAINFO:CAL000479219

Site: ***M-G DEVELOPMENT CORPORATION, A NEVADA CORPORATION***
7444 SYCAMORE STREET NEWARK CA 94560

FINDS/FRS

Registry ID: 110070317090
FIPS Code:
HUC Code:
Site Type Name:
Location Description:
Supplemental Location:
Create Date: 27-SEP-18
Update Date:
Interest Types: OSHA ESTABLISHMENT **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes: 326212
NAICS Code Descriptions: TIRE RETREADING.
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name:
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070317090
Data Source: Facility Registry Service - Single File
Program Acronyms:

OSHA-OIS:315317644

Site: ***ALAMEDA APARTMENTS/DEL CORONADO APARTMENTS***
544 CENTRAL AVE, UNIT'S 217 & 212 ALAMEDA CA 94501

FINDS/FRS

Registry ID: 110071260258
FIPS Code: 06001
HUC Code:
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 09-MAY-22
Update Date:
Interest Types: UNSPECIFIED UNIVERSE **Note: Many records provided by the department have a truncated [Interest Types] field.
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor:
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: ALAMEDA
US/Mexico Border Ind:
Latitude:
Longitude:

Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071260258
Data Source: Facility Registry Service - Single File
Program Acronyms:

RCRAINFO:CAC003172515

Site: ***CARS***
5423 CENTRAL AVE STE 1, 2,&3 NEWARK CA 945600000 HAZ GEN

Epa ID: CAL000171801 ***Facility County:*** 01
Address 2: ***County:*** Alameda
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
Handler Profile URL: https://hwts.dtsc.ca.gov/facility/CAL000171801

Site: ***REGENCY SQUARE (APTS)***
(132 UNITS) 101-266 CENTRAL AVE FREMONT CA 94536 HAZNET

SIC Code: ***Mailing City:*** FREMONT
NAICS Code: ***Mailing State:*** CA
EPA ID: CAC002563092 ***Mailing Zip:*** 94536
Create Date: 3/18/2003 ***Region Code:*** 2
Fac Act Ind: No ***Owner Name:*** J K L CORP
Inact Date: 9/15/2003 ***Owner Addr 1:*** 4917 CENTRAL AVE
County Code: 01 ***Owner Addr 2:***
County Name: Alameda ***Owner City:*** FREMONT
Mail Name: ***Owner State:*** CA
Mailing Addr 1: 4917 CENTRAL AVE ***Owner Zip:*** 94536
Mailing Addr 2: ***Owner Phone:***
Owner Fax:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAC002563092

Site: ***GERARD TIRE #206***
69995 CENTRAL AVE NEWARK CA 908060000 HAZNET

SIC Code: ***Mailing City:*** LONG BEACH
NAICS Code: ***Mailing State:*** CA
EPA ID: CAX000247239 ***Mailing Zip:*** 908060000
Create Date: 8/6/1985 ***Region Code:*** 2
Fac Act Ind: No ***Owner Name:*** --
Inact Date: 4/30/1986 ***Owner Addr 1:*** --
County Code: 01 ***Owner Addr 2:***
County Name: Alameda ***Owner City:*** --
Mail Name: ***Owner State:*** 99
Mailing Addr 1: DON KRALL ***Owner Zip:*** --
Mailing Addr 2: ***Owner Phone:*** 0000000000
Owner Fax:
Details DTSC HWTS: The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: https://hwts.dtsc.ca.gov/search
DTSC Handler Profile url: https://hwts.dtsc.ca.gov/facility/CAX000247239

Site: ***DISTRICT WAREHOUSE***
23021 CHERRY NEWARK CA 94540 HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000361af.pdf

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Site:
Central Ave Newark CA

HMIRS

Incident County: ALAMEDA

HMIR Historical Reports

Report No:	X-2015090437	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	2015-08-28	***Report Submit Src:***	XML
Time of Incident:	2015	***Inc Multiple Rows:***	No
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	8	***Mode Transport:***	Highway
Commodity Short Nm:	SODIUM HYDROXIDE, SOLUTI	***Transport Phase:***	In Transit
Commodity Long Nm:	SODIUM HYDROXIDE, SOLUTION	***Incident Occrrnce:***	
Trade Name:		***Mat Ship Approval?:***	No
ID No:	UN1824	***Mat Ship Approv No:***	
Haz Waste Ind:	No	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Non-Bulk
HMIS Tox Inhalation?:	No	***Packing Group:***	II
TIH Hazard Zone:		***Carrier Reporter:***	Fedex Ground Package System, Inc.
Qty Released:	0.0625	***CR Street Name:***	1000 Fedex Drive
Unit of Measure:	Liquid - Gallon	***CR City:***	Moon Township
What Failed:	109	***CR State:***	PA
What Failed Desc:	Closure (e.g., Cap, Top, or Plug)	***CR Postal Code:***	15108
How Failed Code:	308	***CR Non US State:***	
How Failed Desc:	Leaked	***CR Fed DOT ID:***	265752
Failure Cause Code:	526	***CR Hazmat Reg ID:***	051910551007S
Failure Cause Desc:	Loose Closure, Component, or Device	***CR Country:***	US
Ident. Markings:		***Shipper Name:***	OHL/EcoLabs
Cont1 Pkging Type:	Jerrican	***Shipper Street Name:***	13277 San Bernardino Ave
Cont1 Const Mat:	Plastic	***Shipper City:***	Fontana
Cont1 Head Type:		***Shipper State:***	CA
Cont1 Pkg Capacity:	0	***Shipper Postal:***	92336
C1 Capacity UOM:		***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	595080272446877
Cont1 Pkg No:	0	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	0	***Origin City:***	
Cont1 Pkg Mnfctr:		***Origin State:***	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	***Origin Country:***	
C1 Test Const Mat:	Plastic	***Destination City:***	FREMONT
C1 Pkg Dsign Pres.:	0	***Destination State:***	CALIFORNIA
C1 Dsign Press UOM:		***Destination Postal:***	94539
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:			

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0

RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	Yes	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	GEORGE FETSKO
Damage > 500:	No	***Contact Title:***	HAZMAT - SAFETY ADVISOR
Material Loss:	0	***Contact Business:***	Fedex Ground Package System, Inc.
Carrier Damage:	0	***Contact Street:***	1000 Fedex Drive
Property Damage:	0	***Contact City:***	CORAOPOLIS
Response Cost:	0	***Contact State:***	PA
Remediation Cost:	0	***Contact Postal:***	15108
Damage Old Form:	0	***Contact Non US St:***	
Total Damages Amt:	0	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	Carrier
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	DRUM NON-METAL
Haz Hosp Old Form:	0	***HMIS Container Code:***	PAIL PLS
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Plastic pail, open head, capacity 10 gallons or less
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	No
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No

Description of Events: The package was unloaded with leakage noted on the box. Examination of the inner container revealed that the container(s) had loose cap(s) and leaked. The leakage was contained. The cap(s) were secured. The carton was wet but otherwise undamaged. The undamaged portion of the package was repacked for return to shipper.

Recommend Actions Taken:

Site: ***ALAMEDA APARTMENTS/DEL CORONADO APARTMENTS***
544 CENTRAL AVE, UNIT'S 217 & 212 ALAMEDA CA 94501

RCRA NON GEN

EPA Handler ID:	CAC003172515
Gen Status Universe:	No Report
Contact Name:	ALAMEDA APARTMENTS/DEL CORONADO APA
Contact Address:	544 CENTRAL AVE , , ALAMEDA , CA, 94501 ,
Contact Phone No and Ext:	408-209-5993
Contact Email:	BMACKEY@CMCAPARTMENTS.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20220422
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20220422
Handler Name:	ALAMEDA APARTMENTS/DEL CORONADO APARTMENTS
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	544 CENTRAL AVE
Name:	ALAMEDA APARTMENTS/DEL CORONADO APA	***Street 2:***	
Date Became Current:		***City:***	ALAMEDA
Date Ended Current:		***State:***	CA
Phone:	408-209-5993	***Country:***	
Source Type:	Implementer	***Zip Code:***	94501

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	544 CENTRAL AVE
Name:	ALAMEDA APARTMENTS/DEL CORONADO APA	***Street 2:***	
Date Became Current:		***City:***	ALAMEDA
Date Ended Current:		***State:***	CA
Phone:	408-209-5993	***Country:***	
Source Type:	Implementer	***Zip Code:***	94501

Site: ***INTERLINK ELECTRONICS INC***
8430 CENTRAL AVE STE C & D NEWARK CA 94560

RCRA NON GEN

EPA Handler ID:	CAL000479219
Gen Status Universe:	No Report
Contact Name:	DR VINAY PATEL
Contact Address:	8430 CENTRAL AVE STE C & D , , NEWARK , CA, 94560 ,
Contact Phone No and Ext:	510-340-5283
Contact Email:	VPATEL@IESENSORS.COM
Contact Country:	
County Name:	ALAMEDA
EPA Region:	09
Land Type:	
Receive Date:	20230710
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note:	NO RECORDS: As of Jan 2024, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20230710
Handler Name:	INTERLINK ELECTRONICS INC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	8430 CENTRAL AVE STE C & D
Name:	DR VINAY PATEL	***Street 2:***	
Date Became Current:		***City:***	NEWARK
Date Ended Current:		***State:***	CA
Phone:	510-340-5283	***Country:***	
Source Type:	Implementer	***Zip Code:***	94560

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1 JENNER STE 200
Name:	INTERLINK ELECTRONICS INC	***Street 2:***	
Date Became Current:		***City:***	IRVINE
Date Ended Current:		***State:***	CA
Phone:	805-484-8855	***Country:***	
Source Type:	Implementer	***Zip Code:***	92618

Site: ***LESLIE SALT CO MAGNESIA PILE PROPERTY***
BASE OF ENTERPRISE DR NEWARK CA 94560

SEMS ARCHIVE

Site ID:	0901945	***FIPS Code:***	06001
EPA ID:	CAD980673982	***Cong District:***	10
Superfund Alte Agr:	No	***Region:***	09
Federal Facility:	No	***County:***	ALAMEDA
FF Docket:	No		
NPL:	Not on the NPL		
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information		

Action Information

Operable Units:	00	***Qual:***	
Action Code:	DS	***SEQ:***	1
Action Name:	DISCVRY	***FF:***	N
Start Actual:	10/01/1979	***FF Docket:***	N
Finish Actual:	10/01/1979	***Region:***	09
Curr Action Lead:	EPA Perf		

Operable Units:	00	***Qual:***	N
Action Code:	PA	***SEQ:***	1

Action Name:	PA	***FF:***	N
Start Actual:	10/01/1984	***FF Docket:***	N
Finish Actual:	02/01/1985	***Region:***	09
Curr Action Lead:	EPA Perf		

Operable Units:	00	***Qual:***	
Action Code:	VS	***SEQ:***	1
Action Name:	ARCH SITE	***FF:***	N
Start Actual:		***FF Docket:***	N
Finish Actual:	02/01/1985	***Region:***	09
Curr Action Lead:	EPA Perf In-Hse		

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Jan 26, 2024

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Jan 26, 2024

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 1, 2024

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Jan 1, 2024

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jan 1, 2024

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 1, 2024

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 1, 2024

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 1, 2024

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Jan 1, 2024

Federal Engineering Controls-ECs: FED ENG

List of Engineering controls (ECs) made availabe by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 29, 2024

Federal Institutional Controls- ICs: FED INST

List of Institutional controls (ICs) made available by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 29, 2024

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Oct 26, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Feb 20, 2024

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: May 2, 2023

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: May 2, 2023

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Sep 20, 2023

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Sep 22, 2023

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jan 26, 2024

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Dec 26, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Feb 15, 2024

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Feb 15, 2024

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Feb 15, 2024

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 15, 2024

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Waste Management Unit Database: WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

Government Publication Date: Jan 1, 2000

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Feb 15, 2024

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jan 17, 2024

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jan 17, 2024

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Jan 22, 2024

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Nov 30, 2023

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Nov 30, 2023

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Nov 30, 2023

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Feb 15, 2024

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

This listing includes Proposed Closure of Underground Storage Tank (UST) Cases which are being considered for closure by either the State Water Resources Control Board at a Future Board Meeting or the Executive Director that have been posted for a 60-day public comment period, and Closure of UST Cases with Closure Denials and Approved Orders. The lists are provided by the California Water Boards.

Government Publication Date: Dec 22, 2023

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Jan 24, 2024

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Mar 26, 2024

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Jan 17, 2024

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Jan 17, 2024

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Feb 15, 2024

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Nov 30, 2023

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Feb 15, 2024

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Nov 30, 2023

Delisted Cleanup Program Sites: DELISTED CLEANUP

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.
Government Publication Date: Nov 30, 2023

Delisted County Records: DELISTED COUNTY
Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.
Government Publication Date: Mar 25, 2024

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST
This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Oct 25, 2023

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST
This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Oct 25, 2023

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST
Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Oct 25, 2023

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST
Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Oct 25, 2023

County

Alameda County - LOP Sites List: LOP ALAMEDA
List of sites in the Alameda County Department of Environmental Health's (ACDEH) Local Oversight Program (LOP). The ACDEH LOP program oversees the investigation and cleanup of hazardous materials releases to the environment under two programs. The Leaking Underground Fuel Tank (LUFT) program is specific to unauthorized releases associated with petroleum underground storage tank systems. The Site Cleanup Program (SCP) oversees the investigation and cleanup of releases from hazardous materials, including but not limited to releases of pesticides, heavy metals, dry cleaner solvents, etc., including redevelopment of sites with residual contamination from historic uses.
Government Publication Date: Jan 16, 2019

Alameda County Contaminated Sites: CONT ALAMEDA
This list of contaminated sites was provided by the Alameda County Department of Environmental Health (ACDEH) up until May 2019. This data is now obtained through the State Water Resources Control Board's GeoTracker. Releases of other types of hazardous materials from underground storage tanks or other releases and/or spills that have contaminated soil, soil vapor, and/or groundwater may be regulated by ACDEH under the Site Cleanup Program, San Francisco Bay Regional Water Board, or by the California Department of Toxic Substance Control. ACDEH under LOP's SCP oversees the cleanup of contaminated property under authority of Health and Safety Code Sections 101480 through 101490.
Government Publication Date: May 27, 2019

Alameda County - UST List: UST ALAMEDA
A list of registered Underground Storage Tanks (USTs) in the County of Alameda. The list is made available by Alameda County Department of Environmental Health.
Government Publication Date: Mar 1, 2024

Alameda County Aboveground Storage Tanks: AST ALAMEDA

This database containing active and inactive aboveground storage tank facilities is maintained by the Alameda County Department of Environmental Health. These aboveground storage tanks contain petroleum-based liquid products such as gasoline, diesel, lubricants, etc. Effective July 1, 2018, tanks in an underground area (TIUGA) are subject to the Aboveground Petroleum Storage Act Program.

Government Publication Date: May 2, 2022

Alameda County - City of Berkeley CUPA Facilities: CUPA BERKELEY

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs at the City of Berkeley in Alameda County. This list is maintained by the Toxics Management Division at the City of Berkeley.

Government Publication Date: Jan 25, 2024

Alameda County - Hayward City CUPA List: CUPA HAYWARD

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Hayward City. This list is maintained by the Hayward City Fire Department.

Government Publication Date: Jul 16, 2019

Alameda County - San Leandro City CUPA Facilities List: CUPA SANLEANDRO

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in San Leandro City, Alameda County. This list is made available by San Leandro City Environmental Services Section.

Government Publication Date: Apr 11, 2019

Alameda County - Union City USTs: UST UNION

A list of Underground Storage Tanks (USTs) in the city of Union in Alameda County. This data is made available by the Environmental Programs Division of Economic & Community Development, Union City.

Government Publication Date: May 3, 2021

Alameda County - Union City CERS CUPA List: CUPA CERS UNION

A list of CERS registered facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Union. This list is made available by the City of Union Economic and Community Development Department.

Government Publication Date: May 3, 2021

Alameda County - Union City CUPA Facilities: CUPA UNION

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Union. Includes facilities with active and inactive statuses. This list is made available by the City of Union Economic and Community Development Department.

Government Publication Date: Sep 30, 2020

Alameda County - City of Livermore and Pleasanton UST List: UST LIVERMORE

A list of registered Underground Storage Tank (UST) in City of Livermore and City of Pleasanton, Alameda County. This list is maintained by the Livermore-Pleasanton Fire Department.

Government Publication Date: Feb 16, 2024

Alameda County - City of Livermore and Pleasanton AST List: AST LIVERMORE

A list of registered Aboveground Storage Tank (AST) in City of Livermore and City of Pleasanton, Alameda County. This list is maintained by the Livermore-Pleasanton Fire Department.

Government Publication Date: Feb 16, 2024

Alameda County - City of Livermore and Pleasanton CUPA Facilities: CUPA LIVERMORE

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in City of Livermore and City of Pleasanton in Alameda County. This list is maintained by the Livermore-Pleasanton Fire Department.

Government Publication Date: Feb 16, 2024

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Nov 15, 2023

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 9, 2024

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Mar 19, 2024

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to September 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Sep 5, 2023

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/

Government Publication Date: May 19, 2023

National Response Center PFAS Spills: ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Jan 24, 2024

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Feb 19, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Feb 25, 2024

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Dec 4, 2023

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: Nov 26, 2023

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Jul 26, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jan 26, 2024

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Aug 26, 2023

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 20, 2024

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2024

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Nov 6, 2023

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 1, 2023

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Nov 27, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2023

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 30, 2023

State

PFAS Sampling Locations: PFAS SAMPLING

This data is sourced from the State Water Board's GeoTracker Per- and Polyfluoroalkyl Substances (PFAS) Map tool which contains individual sampling points (i.e., soil boring, groundwater monitoring well, drinking water well for municipal drinking water systems, etc.) or a site location with PFAS analytical data. Includes analytical results that are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after it's accepted by a Regional Water Quality Control Board.

Government Publication Date: Jan 2, 2024

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Dec 20, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Jan 31, 2022

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Jan 31, 2022

PFAS GeoTracker Cleanup Sites: PFAS GT CLEANUPS

A list of applicable cleanup sites from the State Water Resources Control Board's (SWRCB) GeoTracker data management system where one or more of the potential contaminants of concern are identified in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 30, 2023

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Jan 7, 2024

PFAS Investigations: PFAS INVEST

This list of potential Per- and Polyfluoroalkyl Substance (PFAS) sites is compiled from the California State Water Resources Control Board's (SWRCB) PFAS Investigations Map tool. The SWRCB issued investigative orders, per California Water Code (CWC) Section 13267 and/or 13383, to these sites. This does not mean that PFAS has been produced, used, or discharged at these sites. Orders were also issued to the public water systems to sample wells in the vicinity of these locations. The data includes locations for airports, landfills, suspected chrome plating facilities, publicly owned treatment works (aka wastewater treatment plants), bulk fuel terminals, refineries, and military facilities that have potential sources of PFAS.

Government Publication Date: Nov 28, 2022

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Mar 15, 2023

Toxic Pit Cleanup Act Sites: TOXIC PITS

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked by the California Department of Toxic Substance Control's (DTSC) EnviroStor data management system.

Government Publication Date: Nov 23, 2023

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Feb 15, 2024

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Oct 16, 2023

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Handlers from Hazardous Waste Manifest Data: HAZNET

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Oct 24, 2016

Generators from Hazardous Waste Manifest Data: HAZ GEN

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

TSDF from Hazardous Waste Manifest Data: HAZ TSD

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Jan 2, 2024

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Mar 25, 2024

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Jan 8, 2024

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Jan 17, 2024

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Nov 30, 2023

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jun 16, 2023

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Dec 18, 2023

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Nov 30, 2023

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2020

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

FARALLON CONSULTING

September 13, 2023

Ava Lazor
Alameda County Water District
43885 South Grimmer Boulevard
Fremont, California 94538

RE: DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA
FARALLON PN: 1071-105

Dear Ava Lazor:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report on behalf of 6756-6792 Central Ave Newark CA LLC (aka Prologis) to present findings from the data gap investigation performed by Farallon and to request case closure for the property at 6756 and 6792 Central Avenue in Newark, California (herein referred to as the Site) (Figure 1). Industrial constituents were identified in soil and groundwater beneath the Site during environmental due diligence activities, as summarized in the Phase I Environmental Site Assessment Report dated June 12, 2019 (2019 Phase I Report).[1] 6756-6792 Central Ave Newark CA LLC became the Site owner in July 2019 and intends to further evaluate Site conditions to determine what actions, if any, are required to remedy the identified industrial impact. The Site was originally entered into the Leaking Underground Storage Tank program under Alameda County Water District (ACWD) oversight, but at the request of ACWD was transferred to the Site Cleanup Program.

This letter report provides a brief background of the Site; a current conceptual site model (CSM); a summary of the scope of work and the results from the temporary groundwater monitoring well installation and groundwater monitoring event conducted on March 2, 2023 in accordance with the ACWD-approved Data Gap Investigation Work Plan[2] prepared by Farallon and the Sampling and Analysis Plan presented as Table 1; Farallon's conclusions

[1] Farallon. 2019. *Phase I Environmental Site Assessment Report, 6756 and 6792 Central Avenue, Newark, California.* Prepared for Prologis. June 12 (2019 Phase I Report).
[2] Farallon. 2022. Letter Report Regarding Data Gap Investigation Work Plan, 6756 and 6792 Central Avenue, Newark, California. From Peter Sims and Scott Allin. To Ava Lazor, ACWD. September 28 (Data Gap Investigation Work Plan).

including a comparison of Site conditions with the Assessment Tool for Closure[3] criteria; and Farallon's recommendations, which include a recommendation for No Further Action status and regulatory case closure for the Site.

SITE BACKGROUND

The Site consists of Alameda County Assessor's Parcel Nos. 92A-2165-14 (2.03 acres), 92A-2165-15 (8.18 acres), 92A-2165-16 (2.79 acres), and 92A-2165-17 (4.23 acres), which total approximately 17.23 acres of land. At the time of the 2019 Phase I Report, the Site was developed with five buildings (a large building consisting of conjoined structures, a large industrial building along Central Avenue, a medium-sized building, and two smaller buildings) constructed in phases between 1946 and 1968 and occupied by industrial tenants. Between 2019 and 2022, all Site buildings except the large industrial building along Central Avenue were demolished in preparation for Site redevelopment with an industrial logistics building. Access to the Site is gained from Central Avenue, west of the Site. Former Site operations included use of two 1,000-gallon underground storage tanks containing bunker fuel and gasoline, and a 20,000-gallon diesel fuel aboveground storage tank and associated fuel islands and piping, all of which were removed from the Site between 1991 and 1993. Evidence of a release was not detected during the removal of the underground storage tanks. A release from the aboveground storage tank was detected and remediated via removal of approximately 311 tons of impacted soil and 2,300 gallons of impacted groundwater. Confirmation samples collected following excavation and dewatering did not contain detectable concentrations of petroleum constituents.

As summarized in the 2019 Phase I Report, Farallon performed an environmental investigation at the Site in phases in April and May 2019, which consisted of collecting soil and reconnaissance groundwater samples for laboratory analysis. The results from the investigation suggested that a release of total petroleum hydrocarbons (TPH) as diesel-range organics (DRO) and as oil-range organics (ORO) from historical operations occurred at the Site. Volatile constituents were not detected in groundwater samples at concentrations exceeding San Francisco Bay Regional Water Quality Control Board (Water Board) vapor intrusion human health risk Environmental Screening Levels (ESLs) for commercial/industrial properties. Previous boring locations are shown on Figure 2.

[3] San Francisco Bay Regional Water Quality Control Board (Water Board). 2009. *Assessment Tool for Closure of Low-Threat Chlorinated Solvent Sites.* July 31 (Assessment Tool for Closure).

After the completion of the 2019 Phase I Report, eight groundwater monitoring wells (MW-1 through MW-8) were installed at the Site, as documented in the letter regarding Groundwater Monitoring Well Installation and Sampling dated April 20, 2020.[4] DRO was detected at a concentration of 3,400 milligrams per kilogram (mg/kg) in the soil sample collected from boring MW-8 at a depth of 3 feet below ground surface (bgs), which exceeds the commercial/industrial ESL of 1,200 mg/kg. ORO and naphthalene were detected at concentrations of 9,700 and 2.7 mg/kg, respectively, in the soil sample collected from boring MW-8 at a depth of 3 feet bgs, which is less than the commercial/industrial ESLs of 180,000 and 17 mg/kg, respectively. The lithology beneath the Site consists of sand and gravel from the surface to depths of approximately 2 to 4 feet bgs, followed by clay and silt to depths of approximately 7.5 to 11 feet bgs, and by silt and sand to depths of approximately 13 to 14 feet bgs, where first-encountered groundwater was observed. This shallow water-bearing zone consists of silty sand and sand, and extends to depths of 19 to 22 feet bgs. Beneath the shallow water-bearing zone, an aquitard of silt and clay corresponding to the Newark Aquiclude was identified, extending to the total depth explored of 25 feet bgs. Monitoring well locations are shown on Figure 2.

Groundwater monitoring data were obtained during four groundwater monitoring events, with the findings summarized in the letter regarding First and Second Quarter 2021 Groundwater Monitoring and Request for Site Closure dated March 24, 2022.[5] Groundwater data collected using low-flow sampling procedures at the Site in 2020 and 2021 indicated that Site groundwater has not been adversely impacted by DRO or polycyclic aromatic hydrocarbons (PAHs) at concentrations exceeding the maximum contaminant level (MCL), with the exception of the results from groundwater samples collected from monitoring wells MW-5 and MW-8 on January 13 and April 6, 2021, which indicated that groundwater impacts appeared to be low threat and limited in areal extent. Data suggest that the DRO impact in groundwater may be from natural organic compounds (NOCs) or hydrocarbon oxidation products (HOPs) at concentrations less than the MCL for HOPs. Data suggest the potential for releases from surrounding properties to have contributed to groundwater impacts at the Site. According to data obtained during five groundwater monitoring events conducted in 2020, 2021, and 2023, the groundwater flow direction at the Site is southwest, with a gradient of 0.001 to 0.004 foot per foot. Groundwater elevation contours

[4] Farallon. 2020. Letter Regarding Groundwater Monitoring Well Installation and Sampling, 6756 and 6792 Central Avenue, Newark, California. From Henry Pietropaoli and Scott Allin. To Douglas Young, ACWD. April 20.
[5] Farallon. 2022. Letter Regarding First and Second Quarter 2021 Groundwater Monitoring and Request for Site Closure, 6756 and 6792 Central Avenue, Newark, California. From Peter Sims and Scott Allin. To Ava Lazor, ACWD. March 24.

and flow direction are shown on Figure 3. Historical laboratory analytical results, monitoring well construction details, and groundwater elevation measurements are presented in Tables 2 through 13. Based on the findings of the previous investigations and groundwater monitoring, Farallon requested case closure under the Water Board Low-Threat Closure Policy.

In the letter regarding Denial of Low-Threat Underground Storage Tank Case Closure Request dated May 20, 2022,[6] ACWD identified four criteria where additional data are required to qualify for case closure:

1) Update the CSM to include a description of the Newark Aquifer, the shallowest regional aquifer in the Site vicinity and a source of drinking water, and describe the potential impacts to the Newark Aquifer from releases at the Site;
2) Conduct additional sampling to delineate the down-gradient extent of the contaminant plume exceeding water quality objectives, and evaluate whether petroleum hydrocarbons detected in groundwater are hydrocarbon oxidation products;
3) Update the vapor intrusion to indoor air risk assessment; and
4) Update the CSM to address the potential discharge of impacted groundwater from the Site to the nearby aquatic habitats of the San Francisco Bay and/or salt ponds.

To fulfill ACWD's four criteria, Farallon prepared the Data Gap Investigation Work Plan, which was revised via email to Ava Lazor of ACWD on October 28, 2022.[7] In addition, because the evidence of a release at the Site originated primarily from the former 10,000-gallon aboveground storage tank, the case was transferred to the Site Cleanup Program, and ACWD stated that suitability for closure of the Site should be evaluated using the Assessment Tool for Closure. Although the criteria outlined in the Assessment Tool for Closure are intended for chlorinated solvent impacted properties, they are applicable to other contaminated properties such as the Site.

The Data Gap Investigation Work Plan included advancing three borings (F-26, F-27, and F-28) on the southwest-adjoining Cargill, Inc. (Cargill) property at 7220 Central Avenue in

[6] ACWD. 2022. Letter Regarding Denial of Low-Threat Underground Storage Tank Case Closure Request, 6756 and 6792 Central Avenue, Newark, California (ACWD Site #0692). From Michelle Myers. To Gavin Polite Fisco, 6756-6792 Central Ave Newark CA LLC. May 20.
[7] Farallon. 2022. Email Regarding 6756 and 6792 Central Avenue, Newark Work Plan. From Peter Sims. To Ava Lazor, ACWD. October 28.

Newark, California identified as Alameda County Assessor's Parcel Nos. 537-0751-007-01, 537-0751-008, and 0920253-002-01. Prologis entered into an access agreement with Cargill to advance borings F-26, F-27, and F-28 at the Cargill property. Cargill provided to Prologis a Soil Removal and Closure Report[8] that documented the removal of soil and groundwater impacted by a release of bunker fuel from three aboveground storage tanks formerly located at the Cargill property. The three former bunker fuel aboveground storage tanks were removed from the Cargill property by approximately 1959. A 1959 aerial photograph reportedly showed an area of dark stained soil around the positions of the former bunker fuel aboveground storage tanks. In the 1960s, a single-story building identified as the Cargill admin building (Figure 2) was built on top of the location of one of the former bunker fuel aboveground storage tanks. Approximately 2,900 tons of soil and 2,000 gallons of water were removed from two remedial excavations proximate to the north and east of the Cargill admin building. Excavation of impacted soil was limited by the presence of the Cargill admin building. Residual bunker fuel impacts left in-place beneath the Cargill admin building were demonstrated by concentrations of TPH in soil samples collected from locations adjoining the Cargill admin building. TPH were detected in sidewall soil samples CSEX1-#1, CSEX1-#7, CSEX2-#1, and CSEX2-#2 at concentrations of 2,200, 3,000, 6,400, and 6,400 mg/kg, respectively, at a depth of approximately 7.5 feet bgs. There is not an ESL established for bunker fuel. Samples CSEX1-#1 and CSEX1-#7 were located north of the Cargill admin building, and samples CSEX2-#1 and CSEX2-#2 were located east of the Cargill admin building.

DATA GAP INVESTIGATION

The following sections provide a summary of the scope of work and results for the implementation of the Data Gap Investigation Work Plan.

1) AND 4) UPDATE THE CONCEPTUAL SITE MODEL

A CSM is presented in Table 14. The CSM presents a set of working hypotheses regarding all aspects of the contaminant release at the Site, including regional and Site geology and hydrogeology; a review of sensitive receptors; constituents of concern (COCs); the release source; a review of contamination identified in soil and groundwater; source removal activities; and a risk evaluation. The CSM presented in Table 14 has been updated to discuss the Newark Aquifer and the nearby aquatic habitats of the salt ponds and San Francisco Bay. The potential for negative impacts to the Newark Aquifer and aquatic

[8] Hydrologic Consultants, Inc. of Colorado. 1998. *Soil Removal and Closure Report, 5.4 Acre Parcel, Cargill Salt, Newark, California Facility.* Prepared for Cargill Salt. July 7.

habitats from historical releases at the Site is evaluated in the CSM and found to be unlikely. As summarized in Table 14, the CSM indicates that significant characterization data gaps do not exist.

2) CONDUCT ADDITIONAL SAMPLING TO DELINEATE THE DOWN-GRADIENT EXTENT OF THE CONTAMINANT PLUME EXCEEDING WATER QUALITY OBJECTIVES, AND EVALUATE WHETHER PETROLEUM HYDROCARBONS DETECTED IN GROUNDWATER ARE HYDROCARBON OXIDATION PRODUCTS

The following sections provide a summary of the scope of work and results for the implementation of the temporary groundwater monitoring well installation and groundwater monitoring event presented in the Data Gap Investigation Work Plan.

Permitting

Prior to commencing drilling activities, Farallon obtained ACWD Drilling Permit No. 2023-023 from ACWD. The approved permit is provided in Attachment A.

Health and Safety Plan

Per Section 3203 of Title 8 of the California Code of Regulations (8 CCR 3203), a Health and Safety Plan (HASP) is required for all field activities, due to the potential for exposure to hazardous substances. Farallon prepared a HASP prior to commencement of any field activities. The HASP complied with the requirements of the Occupational Safety and Health Act of 1970 and 8 CCR 3203.

March 2, 2023 Temporary Groundwater Monitoring Well Installation and Destruction

On March 2, 2023, three temporary groundwater monitoring wells (F-26 , F-27, and F-28) were installed for the collection of groundwater samples at the property south-adjacent and down-gradient of the Site. Boring locations for installation of temporary groundwater monitoring wells are shown on Figure 2.

The borings for installation of temporary monitoring wells were advanced by Cascade Drilling, L.P., a California-licensed C-57 contractor, using a hand auger to depths ranging from 6 to 8 feet bgs. A Farallon Scientist observed subsurface conditions during drilling and recorded Unified Soil Classification System descriptions, soil moisture, occurrence of groundwater, physical indications of potential contamination (e.g., odor, staining), and field-screening results obtained using a photoionization detector on Farallon's Log of Boring, presented in Attachment B. Soil cuttings generated during the drilling for installation of temporary monitoring wells were containerized pending characterization for off-Site disposal.

Temporary groundwater monitoring wells F-26, F-27, and F-28 were constructed using prepacked 3/4-inch polyvinyl chloride with 5 feet of 0.010-inch slotted screen and 20/40 sand contained within a steel mesh. Farallon collected groundwater level measurements and groundwater samples as described below. After sampling, the temporary groundwater monitoring wells F-26 through F-28 were destroyed by removing the pre-packed well casing and sand, and backfilling the boring with neat cement in accordance with ACWD permit requirements.

March 2, 2023 Groundwater Monitoring

Groundwater samples were collected from temporary groundwater monitoring wells F-26 through F-28 and existing monitoring wells MW-3 through MW-8. Groundwater samples were collected from temporary groundwater monitoring wells F-26 through F-28 to evaluate potential impacts to shallow groundwater down-gradient of the Site. Groundwater samples were collected from existing monitoring wells MW-3, MW-4, MW-6, and MW-7 to evaluate background concentrations; MW-5 to evaluate DRO and PAHs, which were detected in historical groundwater samples at concentrations greater than their respective commercial/industrial ESLs; and MW-8 to evaluate PAHs, which were detected in historical groundwater samples at concentrations greater than commercial/industrial ESLs.

Groundwater-level measurements and groundwater samples were collected using low-flow groundwater sampling procedures on March 2, 2023. Groundwater sampling was conducted in accordance with Farallon's standard operating procedures, provided in Attachment C. Groundwater samples were submitted to McCampbell Analytical Inc. of Pittsburg, California, accredited under the California State Environmental Laboratory Accreditation Program for analysis in accordance with the Data Gap Investigation Work Plan and the Sampling and Analysis Plan provided in Table 1.

March 2, 2023 Groundwater Monitoring Results

Groundwater monitoring well construction information is summarized in Table 7; current and historical groundwater elevations are summarized in Table 8. Current and historical groundwater analytical results for TPH including HOPs, VOCs, PAHs, metals, and total dissolved solids (TDS) are summarized in Tables 9 through 13, respectively. The analytical results were compared with Tier 1 ESLs, MCLs, and other commercial/industrial values. Field forms used for the groundwater monitoring events are provided in Attachment D. The laboratory analytical reports are provided in Attachment E. The measured groundwater elevations and calculated groundwater flow direction for the March 2, 2023 groundwater monitoring event are shown on Figure 3.

The depth to water varied between 2.70 and 5.25 feet below the ground surface or top of the monitoring well casing (Table 1). The water-level elevation was calculated to be between 14.40 and 17.12 feet above mean sea level (Table 8). The groundwater flow direction was calculated to be southwest at a gradient of approximately 0.004 foot per foot, as illustrated on Figure 3.

DRO analyzed without and with silica gel cleanup was detected at concentrations of 200 and 130 micrograms per liter (µg/l), respectively, in reconnaissance groundwater sample F-26, which exceed the Tier 1 ESL of 100 µg/l but are equal to or less than the MCL of 200 µg/l. In the laboratory report, the fuel pattern for reconnaissance groundwater sample F-26 was qualified as "diesel range compounds are detected; no recognizable pattern." However, the analytical laboratory stated via email (May 12, 2023 email)[9] that reconnaissance groundwater sample F-26 showed a "…possible degraded bunker [fuel] oil pattern. It's missing the characteristic alkane peaks but does show pattern across [the] entire [bunker fuel oil] BO range" in the DRO analyses without and with silica gel cleanup. The potential exists for residual bunker fuel impacts left in-place beneath the Cargill admin building to have contributed to impact identified in the sample from F-26. DRO analyzed without silica gel cleanup was detected at a concentration of 120 µg/l in reconnaissance sample F-27, which is greater than the Tier 1 ESL of 100 µg/l but less than the MCL of 200 µg/l. The analytical laboratory stated via the May 12, 2023 email that DRO detected without silica gel cleanup in reconnaissance groundwater sample F-27 did not match diesel or bunker fuel patterns. DRO analyzed with silica gel cleanup was not detected at a concentration exceeding laboratory reporting limit in reconnaissance groundwater sample F-27. Detections of DRO in sample F-27 likely represent HOPs, as discussed below. DRO analyzed without or with silica gel cleanup was not detected at a concentration exceeding laboratory reporting limits in reconnaissance groundwater sample F-28. DRO analyzed with or without silica gel cleanup was not detected at a concentration exceeding laboratory reporting limits in the groundwater samples collected from monitoring wells MW-3 through MW-8. Concentrations of DRO analyzed with or without silica gel cleanup were less than the saltwater ECOTOX ESLs in reconnaissance groundwater samples F-26, F-27, and F-28, and groundwater samples collected from monitoring wells MW-3 through MW-8.

[9] McCampbell Analytical Inc. (McCampbell). 2023. Email Regarding REVISED Analytical Report for Project: 1071-105; 6756-6792 Central Ave [MAI WO#: 2303198]. From Angela Rydelius. To Peter Sims, Farallon. May 12.

The following formula provided in the ESL User's Guide[10] was used to calculate HOPs present in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8 during the March 2, 2023 groundwater monitoring event.

[HOPS] = [Total Organics] – [PHCs] – [NOCs]

Where:
[] = Concentration
[Total Organics] = Plume sample analyzed for DRO C10-C28 without silica gel cleanup
[PHCs] = Petroleum hydrocarbons; the same plume sample analyzed for DRO C10-C28 with silica gel cleanup
[NOCs] = Natural organic compounds; a sample from an unimpacted (background) area with similar vegetative and hydrogeologic characteristics as plume sample analyzed for DRO C10-C28 without silica gel cleanup

For the calculation of HOPs, the NOCs value was determined to be zero based on non-detect values for DRO C10-C28 without silica gel cleanup in groundwater samples collected from up-gradient monitoring wells MW-3 and MW-4. In addition, the HOPs calculations conservatively used zero for the PHCs value when concentrations of DRO C10-C28 with silica gel cleanup were less than the laboratory detection limit of 100 µg/l. Concentrations of HOPs were calculated to be 170 and 140 µg/l in reconnaissance groundwater samples F-26 and F-27, respectively, which exceed the Tier 1 ESL of 100 µg/l but are less than the MCL of 410 µg/l. HOPs were not detected in the reconnaissance groundwater sample F-28 or the samples collected from groundwater monitoring wells MW-3 through MW-8. Calculated HOPs concentrations were less than the saltwater ECOTOX ESL of 510 µg/l in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8. The calculation of HOPs for sample MW-5 resulted in a negative value. The analytical laboratory stated via email[11] that both the MW-5 analysis without and with silica gel cleanup were performed on the same gas chromatograph and calibration run. No carryover for samples treated with silica gel was found as the samples were analyzed after the method blank. The analytical laboratory had disposed of sample MW-5 by the time this was discovered and was not able to re-extract the sample for further investigation of the issue. The issue was found to not be significant due to the relatively low concentration of

[10] Water Board. 2019. *User's Guide: Derivation and Application of ESLs* (ESL User's Guide).
[11] McCampbell. 2023. Email Regarding Analytical Report for Project: 251-230302; W&J Enterprises [MAI WO#: 2303185]. From Christine Askari. To Peter Sims, Farallon. May 24.

DRO C10-C28 with silica gel cleanup detected in the sample collected from monitoring well MW-5.

ORO analyzed without and with silica gel cleanup was detected at concentrations of 860 and 430 µg/l, respectively, in reconnaissance groundwater sample F-26. ORO analyzed without or with silica gel cleanup was not detected at a concentration exceeding laboratory reporting limits in the reconnaissance groundwater samples F-27 and F-28 or in groundwater samples collected from monitoring wells MW-3 through MW-8. ESLs have not been established for ORO.

Several PAHs were detected at concentrations exceeding laboratory detection limits in the groundwater samples. PAHs were not detected at concentrations exceeding Tier 1 ESLs in reconnaissance groundwater samples collected from temporary monitoring wells F-26, F-27, and F-28 or groundwater samples collected from monitoring wells MW-3, MW-4, MW-6, and MW-7. Benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected at concentrations exceeding Tier 1 ESLs but less than the MCLs in groundwater samples from monitoring well MW-5. Benzo(a)pyrene was detected at a concentration exceeding the Tier 1 ESL but less than the MCL in groundwater samples from monitoring well MW-8. Concentrations of benzo(a)anthracene and naphthalene, the only PAHs with established vapor intrusion human health risk level ESLs for commercial/industrial properties, were either not detected or detected at concentrations significantly less than the vapor intrusion ESLs in groundwater samples collected during the March 2023 sampling event. Concentrations of PAHs were less than the saltwater ECOTOX ESL of 510 µg/l in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8.

TDS were detected at a maximum concentration of 11,300 mg/l in the reconnaissance groundwater sample F-27. However, the laboratory noted that the reconnaissance groundwater samples F-26, F-27, and F-28 were aqueous solutions containing greater than approximately 1 percent sediment by volume, which likely contributed to the high TDS concentrations. TDS in groundwater monitoring wells at the Site were detected at a maximum concentration of 1,960 mg/l in the groundwater sample collected from monitoring well MW-8. The Secondary MCL range for TDS is 500 mg/l (recommended) to 1,000 mg/l (upper).[12] Detected TDS concentrations in groundwater monitoring wells installed in shallow

[12] California State Water Resources Control Board. 2018. California Code of Regulations, Title 22, Division 4, Chapter 15, Article 16, *Secondary Drinking Water Standards*. October 1.

water-bearing zones at the Site are indicative of brackish water. Shallow groundwater at the Site is contained in shallow water-bearing zones of the Newark Aquiclude, which are not expected to have beneficial use, and the presence of the Newark Aquiclude prevents significant downward migration of impacted groundwater from shallow water-bearing zones to the Newark Aquifer.

Waste Disposal

Disposable sampling and health and safety supplies and equipment were disposed of in an appropriate waste dumpster. Soil cuttings, excess groundwater, and decontamination water were stored in 55-gallon drums pending receipt of laboratory analytical results. Drums were stored on the Site in coordination with the Site owner. Laboratory analytical results from a sample collected from the drum of soil cuttings and groundwater monitoring results from this data gap investigation were used to profile the waste and identify appropriate disposal options. Contents of the drums were classified as nonhazardous and the drums were removed from the Site by Belshire Environmental Services, Inc. for disposal on May 8, 2023. Waste manifests are provided in Appendix F.

3) UPDATE THE VAPOR INTRUSION TO INDOOR AIR RISK ASSESSMENT

The vapor intrusion to indoor air risk assessment has been updated to include the most recent data collected during implementation of the Data Gap Investigation Work Plan. The cumulative vapor intrusion exposure risk and hazard were calculated by entering maximum concentrations of volatile COCs detected in groundwater samples collected from monitoring wells into the Water Board ESL Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator,[13] presented in Attachment G. Only COCs that contribute to vapor intrusion exposure risk and hazard were included in the risk assessment calculations. For example, DRO was detected in groundwater, but because it does not have a commercial/industrial vapor intrusion human health risk level ESL, it does not contribute to the calculation for cumulative vapor intrusion exposure risk and hazard, and was not included in the calculation of vapor intrusion exposure risk and hazard. A review of historical data collected at the Site found detections of four COCs that contribute to the calculation for cumulative vapor intrusion exposure risk and hazard: methyl ethyl ketone, methyl tertiary-butyl ether, benzo(a)anthracene, and naphthalene. The maximum detected concentration in groundwater monitoring well samples for each of the four COCs was entered into the calculation presented in Appendix F. Cumulative cancer risk and noncancer hazard due to

[13] Water Board. 2019. *Environmental Screening Levels, Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator.* Rev. 2.

vapor intrusion were 6.3E-09 and 1.5E-04, respectively, which are less than the cancer risk and the noncancer hazard thresholds of 1.0E-6 and 1.0, respectively. Although no soil gas samples have been collected at the Site, the plethora of soil and groundwater samples with concentrations of all COCs less than commercial/industrial vapor intrusion human health risk level ESLs, and the cumulative cancer risk and noncancer hazard less than thresholds illustrate that subsurface conditions do not expose commercial workers to unacceptable health risks under continued commercial use.

CONCLUSIONS

The groundwater flow direction at the Site was calculated to be southwest at a gradient of approximately 0.004 foot per foot during the March 2, 2023 groundwater monitoring event, which is consistent with previous results.

Analytical results indicate that concentrations of COCs in groundwater at the Site are less than MCLs. The concentrations of DRO and PAHs detected in groundwater at the Site have decreased from slightly greater than the MCLs to less than the MCLs in the most recent groundwater monitoring event. COCs were not detected at concentrations exceeding the MCLs in the reconnaissance groundwater samples F-26, F-27, and F-28, and the contaminant plume exceeding water quality goals has been delineated in the down-gradient direction. The concentrations of volatile COCs detected in groundwater samples collected from on-Site monitoring wells MW-3 through MW-8 on March 2, 2023 were less than the commercial/industrial ESL for vapor intrusion human health risk level. The concentrations of COCs detected in reconnaissance samples F-26, F-27, and F-28 and samples collected from monitoring wells MW-3 through MW-8 were less than saltwater ECOTOX ESLs.

The Site is in the Niles Cone Groundwater Basin, where groundwater is considered to have beneficial use, per the Basin Plan.[14] However, groundwater quality within the Newark Aquifer near the San Francisco Bay has been degraded by saltwater intrusion. Detected TDS concentrations in groundwater monitoring wells installed in shallow water-bearing zones at the Site are indicative of brackish water, which is expected given the proximity of the Site to the San Francisco Bay and salt ponds. Shallow groundwater at the Site is contained in shallow water-bearing zones of the Newark Aquiclude, which are not expected to have beneficial use, and the presence of the Newark Aquiclude prevents significant downward

[14] Water Board. 2019. *Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin.* Updated March 7, 2023. November 5 (Basin Plan).

migration of impacted groundwater from shallow water-bearing zones to the Newark Aquifer. The down-gradient salt ponds and the San Francisco Bay were identified approximately 100 feet southwest and 2.5 miles southwest of the Site, respectively, and it is highly unlikely that they have been impacted by historical releases at the Site because COCs were not detected at concentrations exceeding aquatic habitat ESLs in the down-gradient groundwater samples F-26, F-27, and F-28. The nearest down-gradient water-supply well is approximately 1,600 feet southwest of the Site. Based on the distance to the water-supply well from the Site and the low concentrations of COCs detected in groundwater at the Site, it is highly unlikely that historical releases at the Site have impacted water-supply wells or have the potential to impact water-supply wells in the future.

Based on the findings of this data gap investigation, the CSM is complete, with no remaining data gaps. Pollutant sources have been remediated to the extent feasible. Residual chemical impact beneath the Site does not pose an unacceptable risk to human health, ecological health, or sensitive receptors, considering current and identifiable future land and water uses. Residual chemical impact does not pose an unacceptable threat to groundwater and surface water resources, considering current and identifiable future beneficial uses. Detections of COCs in the groundwater plume have decreased from slightly exceeding the MCLs to less than the MCLs in the most recent groundwater monitoring event performed on March 2, 2023, and cleanup standards have been met. Based on a review of Site conditions compared with the Assessment Tool for Closure, as summarized in Table 15, it is Farallon's opinion that the closure criteria have been met.

RECOMMENDATIONS

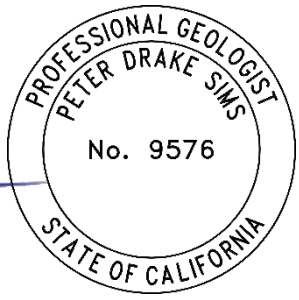
It is Farallon's opinion that the Site qualifies for closure under the Assessment Tool for Closure. Farallon recommends that the Site be granted No Further Action status and regulatory case closure. Upon receipt of concurrence from ACWD, Farallon will arrange for destruction of the Site monitoring wells.

CLOSING

Please contact Peter Sims at (949) 338-8317 or Scott Allin at (916) 616-8113 if you have questions regarding the information provided in this letter report.

Sincerely,

Farallon Consulting, L.L.C.



Peter D. Sims, P.G.
Associate Geologist

Scott Allin, R.E.P.A.
Principal Environmental Scientist

Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan Showing Boring and Monitoring Well Locations*
Figure 3, *Groundwater Elevation Contours – March 2, 2023*
Table 1, *2023 Data Gap Investigation Sampling and Analysis Plan*
Table 2, *Soil Analytical Results for TPH*
Table 3, *Soil Analytical Results for Detected VOCs*
Table 4, *Soil Analytical Results for PCBs*
Table 5, *Soil Analytical Results for PAHs*
Table 6, *Soil Analytical Results for Metals*
Table 7, *Monitoring Well Construction Information*
Table 8, *Groundwater Elevations*
Table 9, *Groundwater Analytical Results for TPH*
Table 10, *Groundwater Analytical Results for Detected VOCs*
Table 11, *Groundwater Analytical Results for PAHs*
Table 12, *Groundwater Analytical Results for Metals*
Table 13, *Groundwater Analytical Results for Total Dissolved Solids*
Table 14, *Conceptual Site Model*
Table 15, *Assessment Tool for Closure Checklist*
Attachment A, Drilling Permit
Attachment B, Boring Logs
Attachment C, Standard Operating Procedures
Attachment D, Field Forms
Attachment E, Laboratory Analytical Reports
Attachment F, Waste Manifests
Attachment G, Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator

cc: Donald J. Brown, Cargill, Inc.
Michael Skoglund, Cargill, Inc.

PS/SA:sw

LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- Accuracy of Information. Farallon reviewed certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy. Should the information upon which Farallon relied prove to be inaccurate, Farallon may revise its conclusions, opinions, and/or recommendations.
- Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Site that were not investigated or were inaccessible. Site activities beyond Farallon's control could change at any time after the completion of this report/assessment.

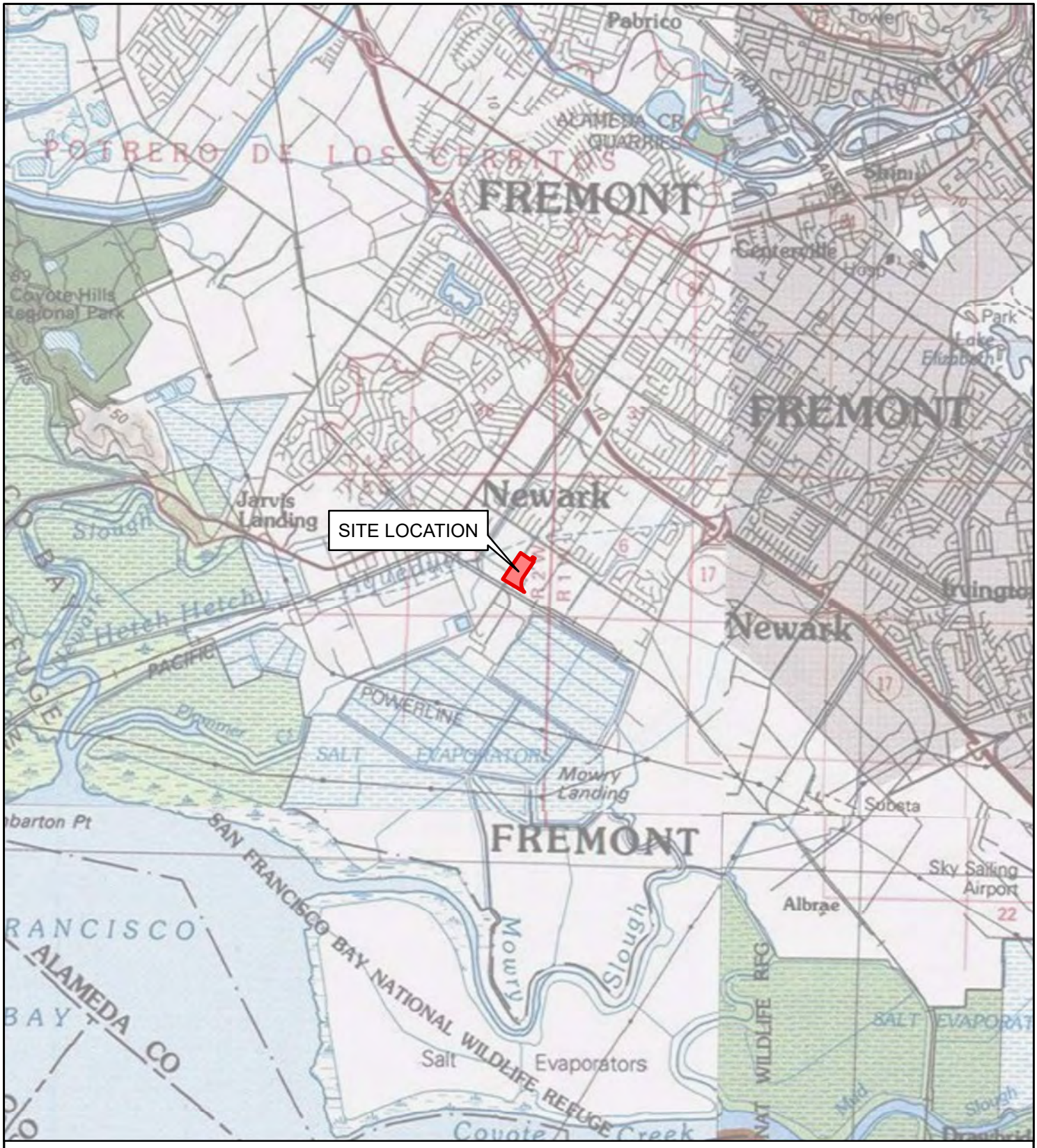
Farallon does not guarantee that the Site is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions are as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Prologis. No other warranties, representations, or certifications are made.

FIGURES

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105



REFERENCE: 7.5 MINUTE USGS QUADRANGLE NEWARK, CALIFORNIA, DATED 2013



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SCALE IN FEET

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FIGURE 1

SITE VICINITY MAP
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

Drawn By: lmurock | Checked By: PS | Date: 3/14/2023 | Disc Reference: Q:\Projects\1071 Prologis\105 6756 & 6792 Central Ave\Mapfiles\007\Figure-01_VicinityMap.mxd

F-6
F-1
F-2
F-25
F-7
MW-1
F-8
F-24
F-16
F-10
F-15
MW-2
F-9
F-14
MW-3
F-23
F-5
F-11
F-22
MW-4
F-21
F-12
MW-5
MW-6
F-3
MW-7
F-17
F-18
F-26
F-20
F-13
MW-8
F-4
F-19
F-27
F-28
CENTRAL AVENUE
RAILROAD
CARGILL ADMIN BUILDING
FORMER 1,000-GALLON BUNKER FUEL UST LOCATION
FORMER 1,000-GALLON GASOLINE UST LOCATION
FORMER 20,000-GALLON DIESEL AST LOCATION

LEGEND

- BORING
- MONITORING WELL
- FORMER SITE FEATURE
- SITE BOUNDARY

AST = ABOVEGROUND STORAGE TANK
UST = UNDERGROUND STORAGE TANK

N

0 200

SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

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FIGURE 2

SITE PLAN SHOWING BORING AND MONITORING WELL LOCATIONS
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

Drawn By: lmurock | Checked By: PS | Date: 6/1/2023 | Disc Reference:

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LEGEND

- MONITORING WELL
- FORMER SITE FEATURE
- SITE BOUNDARY
- (17.12) GROUNDWATER ELEVATION MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- 17.00 GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

AST = ABOVEGROUND STORAGE TANK
UST = UNDERGROUND STORAGE TANK

NOTES:
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FIGURE 3

GROUNDWATER ELEVATION CONTOURS
MARCH 2, 2023
6756 AND 6792 CENTRAL AVENUE
NEWARK, CALIFORNIA

FARALLON PN: 1071-105

Drawn By: lmurock | Checked By: PS | Date: 6/1/2023 | Disc Reference:

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TABLES

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

Table 1
2023 Data Gap Investigation Sampling and Analysis Plan
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Matrix	Boring/Well Depth[1]	Groundwater Depth at Time of Sampling[1]	DRO with silica gel cleanup[2]	DRO without silica gel cleanup[2]	ORO with silica gel cleanup[2]	ORO without silica gel cleanup[2]	PAHs[3]	TDS[4]
F-26	Groundwater	8.0	4.56	X	X	X	X	X	X
F-27	Groundwater	6.0	1.37	X	X	X	X	X	X
F-28	Groundwater	6.0	1.70	X	X	X	X	X	X
MW-1	---	21.0	3.37	---	---	---	---	---	---
MW-2	---	21.0	2.91	---	---	---	---	---	---
MW-3	Groundwater	21.0	3.41	X	X	X	X	X	X
MW-4	Groundwater	21.0	2.46	X	X	X	X	X	X
MW-5	Groundwater	21.0	5.25	X	X	X	X	X	X
MW-6	Groundwater	21.0	3.90	X	X	X	X	X	X
MW-7	Groundwater	21.0	2.70	X	X	X	X	X	X
MW-8	Groundwater	21.0	5.01	X	X	X	X	X	X

NOTES:

X denotes sample collected for analysis.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8015.

[3]Analyzed by U.S. Environmental Protection Agency Method 8270C/SIM.

[4]Analyzed by Standard Method 2540C.

DRO = total petroleum hydrocarbons as diesel-range organics

ORO = total petroleum hydrocarbons as oil-range organics

PAHs = polycyclic aromatic hydrocarbons

TDS = total dissolved solids

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-1	F-1 (5')	5.0	4/2/2019	< 1.0 H	1.7	< 5.0
F-2	F-2 (5')	5.0	4/2/2019	< 0.88 H	< 1.0	< 5.0
F-3	F-3 (5')	5.0	4/3/2019	< 0.88	< 1.0	< 5.0
F-4	F-4 (5')	5.0	4/3/2019	23	130	400
F-5	F-5 (5')	5.0	4/3/2019	< 0.90	< 1.0	< 5.0
F-6	F-6 (5')	5.0	4/2/2019	< 0.87 H	3.3	18
F-7	F-7 (5')	5.0	4/2/2019	< 0.85 H	< 1.0	< 5.0
F-8	F-8 (5')	5.0	4/2/2019	< 0.84 H	< 1.0	< 5.0
F-9	F-9 (5')	5.0	4/2/2019	< 0.86 H	< 1.0	< 5.0
F-10	F-10 (5')	5.0	4/3/2019	< 0.90	< 1.0	< 5.0
F-11	F-11 (5')	5.0	4/2/2019	< 0.91 H	< 1.0	8.2
F-12	F-12 (5')	5.0	4/3/2019	< 0.85	< 1.0	< 5.0
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.91	22	140
F-14	F-14 (1')	1.0	5/7/2019	< 1.0	< 1.0	8.6
	F-14 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-15	F-15 (1')	1.0	5/7/2019	< 1.0	< 1.0	< 5.0
	F-15 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
Water Board Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**
Water Board ESLs Construction Worker Soil Exposure[5]				**1,100**	**54,000**	**54,000**

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-16	F-16 (1')	1.0	5/7/2019	< 1.0	< 1.0	5.6
	F-16 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-17	F-17 (1')	1.0	5/7/2019	3.9	130	1,600
	F17- (5')	5.0	5/7/2019	< 1.0	< 1.0	5.2
F-18	F-18 (1')	1.0	5/7/2019	1.5	180	1,400
	F-18 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-19	F-19 (1')	1.0	5/7/2019	< 1.0	210	1,400
	F-19 (5')	5.0	5/7/2019	< 1.0	61	180
F-20	F-20 (1')	1.0	5/7/2019	< 1.0	27	350
	F-20 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-21	F-21 (1')	1.0	5/7/2019	< 1.0	7.5	47
	F-21 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-22	F-22 (1')	1.0	5/7/2019	< 1.0	< 1.0	< 5.0
	F-22 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-23	F-23 (1')	1.0	5/7/2019	< 1.0	12	200
	F-23 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
F-24	F-24 (1')	1.0	5/7/2019	< 1.0	1.3	31
	F-24 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
Water Board Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**
Water Board ESLs Construction Worker Soil Exposure[5]				**1,100**	**54,000**	**54,000**

Table 2
Soil Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]		
				GRO	DRO	ORO
F-25	F-25 (1')	1.0	5/7/2019	< 1.0	2.8	58
	F-25 (5')	5.0	5/7/2019	< 1.0	< 1.0	< 5.0
MW-1	MW-1 (5')	5.0	2/11/2020	---	< 1.0	< 5.0
MW-2	MW-2 (5')	5.0	2/11/2020	---	< 1.0	< 5.0
MW-3	MW-3 (5')	5.0	2/11/2020	---	< 1.0	< 5.0
MW-4	MW-4 (5')	5.0	2/12/2020	---	< 1.0	< 5.0
MW-5	MW-5 (5')	5.0	2/13/2020	---	< 1.0	< 5.0
MW-6	MW-6 (5')	5.0	2/12/2020	---	< 1.0	< 5.0
MW-7	MW-7 (5')	5.0	2/12/2020	---	< 1.0	< 5.0
MW-8	MW-8 (3')	3.0	2/13/2020	---	**3,400**	**9,700**
Water Board Tier 1 ESLs for Soil[3]				**100**	**260**	**1,600**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**2,000**	**1,200**	**180,000**
Water Board ESLs Construction Worker Soil Exposure[4]				**1,100**	**54,000**	**54,000**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding commercial/construction worker ESLs.

--- denotes sample not analyzed.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8015B.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels (Table S-1), more conservative ESL between cancer risk and non-cancer hazard, dated 2019 (Rev. 2).

DRO = total petroleum hydrocarbons as diesel-range organics

ESL = Environmental Screening Level

GRO = total petroleum hydrocarbons as gasoline-range organics

H = result was analyzed outside of holding time

ORO = total petroleum hydrocarbons as oil-range organics

Table 3
Soil Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]	
				Naphthalene	Tetrachloroethene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0091	< 0.00046
F-2	F-2 (5')	5.0	4/2/2019	< 0.0086	< 0.00043
F-3	F-3 (5')	5.0	4/3/2019	< 0.0084	< 0.00042
F-4	F-4 (5')	5.0	4/3/2019	**2.9**	0.0053
F-5	F-5 (5')	5.0	4/3/2019	< 0.0096	< 0.00048
F-6	F-6 (5')	5.0	4/2/2019	< 0.0083	< 0.00041
F-7	F-7 (5')	5.0	4/2/2019	< 0.009	< 0.00045
F-8	F-8 (5')	5.0	4/2/2019	< 0.0099	< 0.0005
F-9	F-9 (5')	5.0	4/2/2019	< 0.0082	< 0.00041
F-10	F-10 (5')	5.0	4/3/2019	< 0.0092	< 0.00046
F-11	F-11 (5')	5.0	4/2/2019	< 0.01	< 0.00051
F-12	F-12 (5')	5.0	4/3/2019	< 0.0093	< 0.00046
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.0089	< 0.00045
F-14	F-14 (1')	1.0	5/7/2019	< 0.0041	< 0.0041
	F-14 (5')	5.0	5/7/2019	< 0.0043	< 0.0043
F-15	F-15 (1')	1.0	5/7/2019	< 0.0045	< 0.0045
	F-15 (5')	5.0	5/7/2019	< 0.0041	< 0.0041
F-16	F-16 (1')	1.0	5/7/2019	< 0.0043	< 0.0043
	F-16 (5')	5.0	5/7/2019	< 0.0041	< 0.0041
Water Board Tier 1 ESLs for Soil[3]				**0.042**	**0.080**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**17**	**2.7**
Water Board ESLs Construction Worker Soil Exposure[5]				**400**	**33**

Table 3
Soil Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]	
				Naphthalene	Tetrachloroethene
F-17	F-17 (1')	1.0	5/7/2019	< 0.0059	< 0.0059
	F17- (5')	5.0	5/7/2019	< 0.005	< 0.005
F-19	F-19 (1')	1.0	5/7/2019	< 0.005	< 0.005
	F-19 (5')	5.0	5/7/2019	0.035	< 0.005
F-20	F-20 (1')	1.0	5/7/2019	**0.10**	< 0.0049
	F-20 (5')	5.0	5/7/2019	< 0.0043	< 0.0043
MW-1	MW-1 (5')	5.0	2/11/2020	< 0.0040	< 0.00081
MW-2	MW-2 (5')	5.0	2/11/2020	< 0.0041	< 0.00083
MW-3	MW-3 (5')	5.0	2/11/2020	< 0.0040	< 0.00080
MW-4	MW-4 (5')	5.0	2/12/2020	< 0.0040	< 0.00079
MW-5	MW-5 (5')	5.0	2/13/2020	< 0.0044	< 0.00088
MW-6	MW-6 (5')	5.0	2/12/2020	< 0.0041	< 0.00082
MW-7	MW-7 (5')	5.0	2/12/2020	< 0.0043	< 0.00085
MW-8	MW-8 (3')	3.0	2/13/2020	**2.7**	< 0.020
Water Board Tier 1 ESLs for Soil[3]				**0.042**	**0.080**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**17**	**2.7**
Water Board ESLs Construction Worker Soil Exposure[4]				**400**	**33**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8260B. Only detected VOCs are shown in the table; the laboratory analytical report provides a full list of analytes.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels (Table S-1), more conservative ESL between cancer risk and non-cancer hazard, dated 2019 (Rev. 2).

ESL = Environmental Screening Level

VOCs = volatile organic compounds

Table 4
Soil Analytical Results for PCBs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]							
				Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
F-1	F-1 (5')	5.0	4/2/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-3	F-3 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-5	F-5 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-7	F-7 (5')	5.0	4/2/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-12	F-12 (5')	5.0	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
F-13	F-13 (6.5')	6.5	4/3/2019	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.35
Water Board Tier 1 ESLs for Soil[3]											**0.23**
Water Board ESLs Commercial: Shallow Soil Exposure[4]											**0.94**
Water Board ESLs Construction Worker Soil Exposure[4]											**5.5**

NOTES:

< denotes analyte not detected at or exceeding the reporting limit listed.

ESL = Environmental Screening Level

PCBs = polychlorinated biphenyls

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8082.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 Environmental Screening Levels (ESLs) for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels (Table S-1) dated January 2019 (Rev. 1).

Table 5
Soil Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]								
				1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-3	F-3 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	0.0052	< 0.0013	0.0089	0.034	0.037	0.019	0.020
F-5	F-5 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	0.0014	0.0067	0.0046	0.0023	< 0.0025
F-7	F-7 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-12	F-12 (5')	5.0	4/3/2019	< 0.0013	< 0.0025	0.0043	< 0.0013	0.0061	0.026	0.026	0.014	0.014
F-13	F-13 (6.5')	6.5	4/3/2019	0.089	0.14	1.4	< 0.013	0.66	0.38	**0.35**	0.19	0.17
F-14	F-14 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-15	F-15 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0063	0.0029	0.0022	< 0.0025
F-16	F-16 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0099	0.0073	0.0057	0.0048
F-17	F17- (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	0.0016	0.0095	0.0070	0.0042	0.0053
F-18	F-18 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
F-20	F-20 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	0.0089	0.0051	0.0036	0.0027
F-24	F-24 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0013	< 0.0013	< 0.0013	< 0.005	< 0.0025	< 0.0013	< 0.0025
Water Board Tier 1 ESLs for Soil[3]				**NE**	**0.88**	**12**	**6.4**	**1.9**	**0.63**	**0.11**	**1.1**	**2.5**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**NE**	**3,000**	**45,000**	**NE**	**230,000**	**20**	**2.1**	**21**	**NE**
Water Board ESLs Construction Worker Soil Exposure[4]				**NE**	**670**	**10,000**	**NE**	**50,000**	**110**	**10**	**110**	**NE**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270C and 8270C-SIM.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow (Table S-1) dated January 2019 (Rev. 1).

B = analyte was detected in the associated method blank

ESL = Environmental Screening Level

NE = not established

PAHs = polycyclic aromatic hydrocarbons

Table 5
Soil Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]								
				Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Phenanthrene	Pyrene
F-1	F-1 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0025	0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-3	F-3 (5')	5.0	4/3/2019	0.012	0.031	0.0046	0.049	0.0026	0.014	0.0023	0.024	0.047
F-5	F-5 (5')	5.0	4/3/2019	0.0022	0.0046 B	< 0.0025	0.0072	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0067
F-7	F-7 (5')	5.0	4/2/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-12	F-12 (5')	5.0	4/3/2019	0.0089	0.022	0.0027	0.035	< 0.0025	0.011	< 0.0013	0.015	0.036
F-13	F-13 (6.5')	6.5	4/3/2019	0.10	0.37	0.060	**1.7**	0.43	0.14	**0.40**	2.0	1.6
F-14	F-14 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-15	F-15 (5')	5.0	5/7/2019	0.0018	0.0038	< 0.0025	0.0060	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0055
F-16	F-16 (5')	5.0	5/7/2019	0.0055	0.0092	< 0.0025	0.0094	< 0.0025	0.0032	< 0.0013	< 0.005	0.010
F-17	F17- (5')	5.0	5/7/2019	0.0046	0.0085	< 0.0025	0.012	< 0.0025	0.0033	< 0.0013	0.0057	0.013
F-18	F-18 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
F-20	F-20 (5')	5.0	5/7/2019	0.0029	0.0063	< 0.0025	0.0073	< 0.0025	< 0.0025	< 0.0013	< 0.005	0.0086
F-24	F-24 (5')	5.0	5/7/2019	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.0025	< 0.0025	< 0.0013	< 0.005	< 0.0025
Water Board Tier 1 ESLs for Soil[3]				**2.8**	**2.2**	**0.11**	**0.69**	**6.0**	**0.48**	**0.042**	**7.8**	**45**
Water Board ESLs Commercial: Shallow Soil Exposure[4]				**210**	**2,100**	**2.1**	**30,000**	**30,000**	**21**	**17**	**NE**	**23,000**
Water Board ESLs Construction Worker Soil Exposure[4]				**910**	**9,100**	**11**	**6,700**	**6,700**	**110**	**400**	**NE**	**5,000**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Depth in feet below ground surface.

[2]Analyzed by U.S. Environmental Protection Agency Method 8270C and 8270C-SIM.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.

[4]Water Board Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow (Table S-1) dated January 2019 (Rev. 1).

B = analyte was detected in the associated method blank

ESL = Environmental Screening Level

NE = not established

PAHs = polycyclic aromatic hydrocarbons

Table 6
Soil Analytical Results for Metals
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Identification	Sample Depth (feet)[1]	Sample Date	Analytical Results (milligrams per kilogram)[2]																
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
F-1	F-1 (5')	5.0	4/2/2019	0.86	**11**	270	0.7	< 0.25	98	18	42	12	0.082 B	0.81	**120**	< 0.5	< 0.5	< 0.5	**64**	80
F-2	F-2 (5')	5.0	4/2/2019	0.9	**9.8**	**560**	0.68	< 0.25	92	15	37	10	0.070 B	1.0	**110**	< 0.5	< 0.5	< 0.5	**61**	74
F-3	F-3 (5')	5.0	4/3/2019	0.62	**6.6**	120	0.5	< 0.25	81	12	26	7.1	< 0.05	0.66	**99**	< 0.5	< 0.5	< 0.5	**46**	52
F-4	F-4 (5')	5.0	4/3/2019	0.93	**8.1**	280	0.59	< 0.25	79	14	31	20	0.077	1.1	**89**	< 0.5	< 0.5	< 0.5	**56**	93
F-5	F-5 (5')	5.0	4/3/2019	0.82	**9.3**	260	0.61	< 0.25	87	15	34	9.6	< 0.05	0.81	**100**	< 0.5	< 0.5	< 0.5	**58**	67
F-6	F-6 (5')	5.0	4/2/2019	0.65	**7.3**	230	< 0.5	< 0.25	83	14	29	8.4	< 0.05	< 0.5	**100**	< 0.5	< 0.5	< 0.5	**46**	58
F-7	F-7 (5')	5.0	4/2/2019	0.64	**7.4**	210	0.54	< 0.25	80	12	29	8.4	< 0.05	0.56	**89**	< 0.5	< 0.5	< 0.5	**53**	55
F-8	F-8 (5')	5.0	4/2/2019	< 0.5	**6.3**	200	< 0.5	< 0.25	82	12	25	7.5	< 0.05	0.62	**98**	< 0.5	< 0.5	< 0.5	**45**	53
F-9	F-9 (5')	5.0	4/2/2019	0.75	**9.5**	160	0.68	< 0.25	93	16	36	10	0.10 B	0.77	**110**	< 0.5	< 0.5	< 0.5	**60**	71
F-10	F-10 (5')	5.0	4/3/2019	1.0	**12**	350	0.62	< 0.25	100	19	44	12	0.062 B	1.2	**130**	< 0.5	< 0.5	< 0.5	**69**	85
F-11	F-11 (5')	5.0	4/2/2019	< 5	**8.4**	220	< 5	< 2.5	77	15	38	8.6	< 0.5	< 5	**91**	< 5.0	< 5	< 5	**61**	75
F-12	F-12 (5')	5.0	4/3/2019	0.89	**10**	290	0.67	< 0.25	92	15	34	10	< 0.05	0.86	**100**	< 0.5	< 0.5	< 0.5	**61**	67
F-13	F-13 (6.5')	6.5	4/3/2019	0.67	**9.2**	240	0.55	< 0.25	75	19	27	11	0.051 B	0.77	**88**	< 0.5	< 0.5	< 0.5	**51**	64
Water Board Tier 1 ESLs for Soil[3]				**11**	**11[4]**	**390**	**5.0**	**1.9**	**160**	**23**	**180**	**32**	**13**	**6.9**	**86**	**2.4**	**25**	**0.78**	**18**	**340**
Water Board ESLs Commercial: Shallow Soil Exposure[5]				**160**	**0.31**	**220,000**	**230**	**1,100**	**NE**	**350**	**47,000**	**320**	**190**	**5,800**	**11,000**	**5,800**	**5,800**	**12**	**5,800**	**350,000**
Water Board ESLs Construction Worker Soil Exposure[4]				**50**	**0.98**	**3,000**	**27**	**51**	**NE**	**28**	**14,000**	**160**	**44**	**1,800**	**86**	**1,700**	**1,800**	**3.5**	**470**	**110,000**

NOTES:
Green highlight denotes concentrations exceeding the laboratory reporting limit.
Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.
Results in **bold** and highlighted **yellow** denote concentrations exceeding commercial or construction worker ESLs.
< denotes analyte not detected at or exceeding the laboratory reporting limit listed.
B = analyte was detected in the associated method blank
ESL = Environmental Screening Level

[1]Depth in feet below ground surface.
[2]Analyzed by U.S. Environmental Protection Agency Method 6020.
[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for soil dated January 2019.
[4]San Francisco Bay Area background arsenic concentration in soils. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, dated December 2011. Accessed at: <https://www.waterboards.ca.gov/sanfranciscobay/water_issues/available_documents/2011_Arsenic_Background_Duverge.pdf>.
[5]Water Board Direct Exposure Human Health Risk Levels for Commercial/Industrial Shallow Soil Exposure (Table S-1), dated January 2019 (Rev. 1).

Table 7
Monitoring Well Construction Information
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Monitoring Well Identification	Installation Date	Total Depth of Well (feet bgs)	Casing/Screen Diameter, Material, Wall Thickness	Screen Slot Size (inches)	Screen Length (feet)	Screened Interval (feet bgs)	Screen Filter Pack (feet bgs)	Filter Pack Type	Well Seal	Annular Seal (Fill to Surface)	Well Finish	Top of Casing Elevation (feet msl)[1]	Latitude[2]	Longitude[2]
MW-1	2/11/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	20.08	37.5257442	-122.027091
MW-2	2/11/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.85	37.5252974	-122.026691
MW-3	2/11/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.53	37.525059	-122.027669
MW-4	2/12/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.58	37.5246919	-122.026884
MW-5	2/13/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.65	37.5240946	-122.029273
MW-6	2/12/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.13	37.524098	-122.027953
MW-7	2/12/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	19.32	37.5241006	-122.027216
MW-8	2/13/2020	21.0	2-inch, PVC, Schedule 40	0.010	10.0	11.0 - 21.0	10.0 - 25.0	#2/20 Sand	Bentonite chips from top of filter pack to 8 feet bgs	Grout	8-Inch Steel Flush-Mount	20.80	37.5231907	-122.027894

NOTES:
[1]Vertical datum based on North American Vertical Datum of 1988.
[2]Horizontal datum based on North American Datum of 1983.

bgs = below ground surface
msl = mean sea level
PVC = polyvinyl chloride

Table 8
Groundwater Elevations
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Monitoring Well Identification	Top of Casing Elevation (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-1	20.08	3/5/2020	5.72	14.36
		5/27/2020	5.38	14.70
		1/13/2021	6.52	13.56
		4/6/2021	5.90	14.18
		3/2/2023	3.37	16.71
MW-2	19.85	3/5/2020	4.73	15.12
		5/27/2020	4.33	15.52
		1/13/2021	6.22	13.63
		4/6/2021	5.36	14.49
		3/2/2023	2.91	16.94
MW-3	19.53	3/5/2020	5.68	13.85
		5/27/2020	5.80	13.73
		1/13/2021	6.53	13.00
		4/6/2021	5.70	13.83
		3/2/2023	3.41	16.12
MW-4	19.58	3/5/2020	5.13	14.45
		5/27/2020	4.98	14.60
		1/13/2021	6.12	13.46
		4/6/2021	5.64	13.94
		3/2/2023	2.46	17.12
MW-5	19.65	3/5/2020	7.11	12.54
		5/27/2020	6.96	12.69
		1/13/2021	7.70	11.95
		4/6/2021	7.11	12.54
		3/2/2023	5.25	14.40
MW-6	19.13	3/5/2020	5.99	13.14
		5/27/2020	5.91	13.22
		1/13/2021	6.87	12.26
		4/6/2021	6.10	13.03
		3/2/2023	3.90	15.23

Table 8
Groundwater Elevations
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Monitoring Well Identification	Top of Casing Elevation (feet NAVD88)[1]	Monitoring Date	Depth to Water (feet)[2]	Water Level Elevation (feet NAVD88)[1]
MW-7	19.32	3/5/2020	5.40	13.92
		5/27/2020	5.09	14.23
		1/13/2021	6.31	13.01
		4/6/2021	5.55	13.77
		3/2/2023	2.70	16.62
MW-8	20.80	3/5/2020	7.84	12.96
		5/27/2020	8.09	12.71
		1/13/2021	8.99	11.81
		4/6/2021	8.22	12.58
		3/2/2023	5.01	15.79

NOTES:

[1] In feet above mean sea level.

NAVD88 = North American Vertical Datum of 1988

[2] In feet below top of well casing.

Table 9
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
			GRO	DRO		HOPs Calculation[2]				ORO	
				Without SGC	With SGC	Total Organics (C10-C28 Without SGC)	PHCs (C10-C28 With SGC)	NOCs (Background Sample C10-C28 With SGC)	HOPs	C18-C36 Without SGC	C18-C36 With SGC
Reconnaissance Groundwater Samples											
F-1	4/2/2019	F-1	< 50	72	---	---	---	---	---	480	---
F-2	4/2/2019	F-2	< 50	< 100	---	---	---	---	---	920	---
F-3	4/3/2019	F-3	< 50	< 2,500	---	---	---	---	---	20,000	---
F-4	4/3/2019	F-4	< 50	**2,100**	---	---	---	---	---	9,300	---
F-5	4/3/2019	F-5	< 50	< 50	---	---	---	---	---	< 250	---
F-6	4/2/2019	F-6	< 50	60	---	---	---	---	---	620	---
F-7	4/2/2019	F-7	< 50	< 50	---	---	---	---	---	260	---
F-8	4/2/2019	F-8	< 50	**2,200**	---	---	---	---	---	21,000	---
F-9	4/2/2019	F-9	< 50	**970**	---	---	---	---	---	8,400	---
F-10	4/3/2019	F-10	< 50	**690**	---	---	---	---	---	2,300	---
F-11	4/2/2019	F-11	< 50	< 50	---	---	---	---	---	270	---
F-12	4/3/2019	F-12	< 50	88	---	---	---	---	---	< 250	---
F-13	4/3/2019	F-13	< 50	100	---	---	---	---	---	1,400	---
F-14	5/7/2019	F-14	< 50	< 50	---	---	---	---	---	< 250	---
F-15	5/7/2019	F-15	< 50	< 50	---	---	---	---	---	< 250	---
F-16	5/7/2019	F-16	< 50	< 50	---	---	---	---	---	< 250	---
F-17	5/7/2019	F-17	< 50	**520**	---	---	---	---	---	5,000	---
F-18	5/7/2019	F-18	< 50	< 50	---	---	---	---	---	< 250	---
F-19	5/7/2019	F-19	< 50	< 50	---	---	---	---	---	< 250	---
F-20	5/7/2019	F-20	< 50	< 50	---	---	---	---	---	< 250	---
F-21	5/7/2019	F-21	< 50	**270**	---	---	---	---	---	530	---
F-22	5/7/2019	F-22	< 50	**200**	---	---	---	---	---	1,500	---
F-23	5/7/2019	F-23	< 50	**1,900**	---	---	---	---	---	21,000	---
F-24	5/7/2019	F-24	< 50	< 100	---	---	---	---	---	880	---
F-25	5/7/2019	F-25	< 50	< 100	---	---	---	---	---	< 500	---
F-26	3/2/2023	F-26*	---	**200**	**130**	410	240	< 100	**170**	860	430 J
F-27	3/2/2023	F-27*	---	**120** E2	< 100	140 E2	< 100	< 100	**140**	< 500	< 500
F-28	3/2/2023	F-28*	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
Water Board Tier 1 ESLs for Groundwater[3]			**100**	**100**	**100**				**100**	**NE**	**NE**
Water Board Direct Exposure: MCL Priority[4]			**760**	**200**	**200**				**410**	**NE**	**NE**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[5]			**NE**	**NE**	**NE**				**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[6]			**3,700**	**640**	**640**				**510**	**NE**	**NE**

Table 9
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]									
				DRO		HOPs Calculation[2]				ORO	
			GRO	Without SGC	With SGC	Total Organics (C10-C28 Without SGC)	PHCs (C10-C28 With SGC)	NOCs (Background Sample C10-C28 With SGC)	HOPs	C18-C36 Without SGC	C18-C36 With SGC
Monitoring Well Groundwater Samples											
MW-1	3/5/2020	MW-1	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-1	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-1	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-1	---	< 50	< 50	---	---	---	---	< 250	< 250
MW-1B	3/5/2020	MW-1B	---	< 50	---	---	---	---	---	< 250	---
MW-2	3/5/2020	MW-2	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-2	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-2	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-2	---	< 50	< 50	---	---	---	---	< 250	< 250
MW-3 (Background Sample)	3/5/2020	MW-3	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-3	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-3	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-3	---	< 50	---	---	---	---	---	< 250	< 250
	3/2/2023	MW-3	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-4	3/5/2020	MW-4	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-4	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-4	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-4	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-4	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-5	3/5/2020	MW-5	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-5	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-5	---	**110**	**---**	**---**	**---**	**---**	**---**	390	---
	4/6/2021	MW-5	---	**220**	< 50	**---**	**---**	**---**	**---**	< 250	< 250
	3/2/2023	MW-5	---	< 100	< 100	< 100	120	< 100	Not Detected	< 500	< 500
MW-5B	3/5/2020	MW-5B	---	< 50	---	---	---	---	---	< 250	---
Water Board Tier 1 ESLs for Groundwater[3]			**100**	**100**	**100**				**100**	**NE**	**NE**
Water Board Direct Exposure: MCL Priority[4]			**760**	**200**	**200**				**410**	**NE**	**NE**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[5]			**NE**	**NE**	**NE**				**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[6]			**3,700**	**640**	**640**				**510**	**NE**	**NE**

Table 9
Groundwater Analytical Results for TPH
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

			Analytical Results (micrograms per liter)[1]								
				DRO		HOPs Calculation[2]				ORO	
Sample Location	Sample Date	Sample Identification	GRO	Without SGC	With SGC	Total Organics (C10-C28 Without SGC)	PHCs (C10-C28 With SGC)	NOCs (Background Sample C10-C28 With SGC)	HOPs	C18-C36 Without SGC	C18-C36 With SGC
MW-6	3/5/2020	MW-6	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-6	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-6	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-6	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-6	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-7	3/5/2020	MW-7	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-7	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-7	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-7	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-7	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
MW-8	3/5/2020	MW-8	---	< 50	---	---	---	---	---	< 250	---
	5/27/2020	MW-8	---	< 50	---	---	---	---	---	< 250	---
	1/13/2021	MW-8	---	< 50	---	---	---	---	---	< 250	---
	4/6/2021	MW-8	---	< 50	< 50	---	---	---	---	< 250	< 250
	3/2/2023	MW-8	---	< 100	< 100	< 100	< 100	< 100	Not Detected	< 500	< 500
Water Board Tier 1 ESLs for Groundwater[3]			**100**	**100**	**100**				**100**	**NE**	**NE**
Water Board Direct Exposure: MCL Priority[4]			**760**	**200**	**200**				**410**	**NE**	**NE**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[5]			**NE**	**NE**	**NE**				**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[6]			**3,700**	**640**	**640**				**510**	**NE**	**NE**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs.

Results in **bold** and highlighted **orange** denote concentrations exceeding Priority MCLs and Aquatic Habitat Saltwater Ecotox Goals.

Gray text denotes reconnaissance groundwater sample.

--- denotes sample not analyzed.

< denotes analyte not detected at or exceeding the reporting limit listed.

* denotes aqueous sample containing greater than approximately 1 percent sediment by volume.

[1]Analyzed by U.S. Environmental Protection Agency Method 8015B.

[2]HOPs = Total Organics - PHCs - NOCs. For PHC or NOC concentrations reported at less than the laboratory reporting limit, zero (0) was used in the HOPs formula.

[3]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[4]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), dated 2019 (Rev. 2).

[5]Water Board Groundwater Vapor Intrusion Human Health Risk Levels (Table GW-3), dated 2019 (Rev. 2).

[6]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

E2 = no recognizable pattern

ESL = Environmental Screening Level

GRO = TPH as gasoline-range organics

HOPS = hydrocarbon oxidation products

J = result is an estimate

MCL = Maximum Contaminant Level

NE = not established

NOCs = natural organic compounds; background sample analyzed for DRO C10-C28 with SC

ORO = TPH as oil-range organics

PHCs = petroleum hydrocarbons; plume sample analyzed for DRO C10-C28 with SGC

SGC = silica gel cleanup

Total Organics = plume sample analyzed for DRO C10-C28 without SGC

Table 10
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			1,2-Dichloroethane	2-Butanone (Methyl Ethyl Ketone)	4-Methyl-2-Pentanone	Acetone	Methyl Tertiary Butyl Ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
Reconnaissance Groundwater Samples										
F-1	4/2/2019	F-1	< 0.01	< 2	0.66	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-2	4/2/2019	F-2	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-3	4/3/2019	F-3	< 0.01	< 2	1.6	27	< 0.5	**0.30**	0.78	< 0.01
F-4	4/3/2019	F-4	< 0.01	< 2	< 0.5	< 10	< 0.5	**9.0**	< 0.5	< 0.01
F-5	4/3/2019	F-5	< 0.01	< 2	< 0.5	< 10	4.2	0.15	< 0.5	< 0.01
F-6	4/2/2019	F-6	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-7	4/2/2019	F-7	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-8	4/2/2019	F-8	< 0.01	< 2	< 0.5	21	< 0.5	< 0.1	< 0.5	< 0.01
F-9	4/2/2019	F-9	0.015	< 2	< 0.5	14	< 0.5	< 0.1	< 0.5	**0.043**
F-10	4/3/2019	F-10	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-11	4/2/2019	F-11	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-12	4/3/2019	F-12	< 0.01	< 2	< 0.5	< 10	< 0.5	**0.61**	< 0.5	< 0.01
F-13	4/3/2019	F-13	< 0.01	< 2	< 0.5	< 10	< 0.5	< 0.1	< 0.5	< 0.01
F-14	5/7/2019	F-14	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-15	5/7/2019	F-15	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-16	5/7/2019	F-16	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-17	5/7/2019	F-17	< 0.5	< 5	< 0.5	14	< 0.5	< 1.0	< 0.5	< 0.5
F-19	5/7/2019	F-19	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
F-20	5/7/2019	F-20	< 0.5	< 5	< 0.5	< 10	< 0.5	< 1.0	< 0.5	< 0.5
Water Board Tier 1 ESLs for Groundwater[2]			**0.50**	**5,600**	**120**	**1,500**	**5.0**	**0.17**	**NE**	**0.0086**
Water Board Direct Exposure: MCL Priority[3]			**0.50**	**5,600**	**120**	**14,000**	**5.0**	**0.17**	**NE**	**0.50**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**9.8**	**9,500,000**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**11,000**	**NE**	**NE**	**NE**	**8,000**	**15**	**NE**	**NE**

Table 10
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			1,2-Dichloroethane	2-Butanone (Methyl Ethyl Ketone)	4-Methyl-2-Pentanone	Acetone	Methyl Tertiary Butyl Ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
Monitoring Well Groundwater Samples										
MW-1	3/5/2020	MW-1	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-1	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-1	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-1	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-1B	3/5/2020	MW-1B	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
MW-2	3/5/2020	MW-2	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-2	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-2	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-2	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-3	3/5/2020	MW-3	< 0.50	< 5.0	< 0.50	< 10	0.83	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-3	< 0.50	< 5.0	< 0.50	< 40	0.83	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-3	< 0.50	< 5.0	< 0.50	< 40	0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-3	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-4	3/5/2020	MW-4	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-4	< 25	< 250	< 25	< 2,000	< 25	< 50	< 25	< 25
	1/13/2021	MW-4	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-4	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-5	3/5/2020	MW-5	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-5	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-5	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-5	< 0.50	10	1.3 B	< 40	< 0.50	< 1.0	1.8	< 0.50
MW-5B	3/5/2020	MW-5B	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
Water Board Tier 1 ESLs for Groundwater[2]			**0.50**	**5,600**	**120**	**1,500**	**5.0**	**0.17**	**NE**	**0.0086**
Water Board Direct Exposure: MCL Priority[3]			**0.50**	**5,600**	**120**	**14,000**	**5.0**	**0.17**	**NE**	**0.50**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**9.8**	**9,500,000**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**11,000**	**NE**	**NE**	**NE**	**8,000**	**15**	**NE**	**NE**

Table 10
Groundwater Analytical Results for Detected VOCs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]							
			1,2-Dichloroethane	2-Butanone (Methyl Ethyl Ketone)	4-Methyl-2-Pentanone	Acetone	Methyl Tertiary Butyl Ether	Naphthalene	p-Isopropyltoluene	Vinyl Chloride
MW-6	3/5/2020	MW-6	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-6	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-6	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-6	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-7	3/5/2020	MW-7	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-7	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-7	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-7	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
MW-8	3/5/2020	MW-8	< 0.50	< 5.0	< 0.50	< 10	< 0.50	< 1.0	< 0.50	< 0.50
	5/27/2020	MW-8	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	1/13/2021	MW-8	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
	4/6/2021	MW-8	< 0.50	< 5.0	< 0.50	< 40	< 0.50	< 1.0	< 0.50	< 0.50
Water Board Tier 1 ESLs for Groundwater[2]			**0.50**	**5,600**	**120**	**1,500**	**5.0**	**0.17**	**NE**	**0.0086**
Water Board Direct Exposure: MCL Priority[3]			**0.50**	**5,600**	**120**	**14,000**	**5.0**	**0.17**	**NE**	**0.50**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**9.8**	**9,500,000**	**2,300,000**	**97,000,000**	**2,000**	**20**	**NE**	**0.14**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**11,000**	**NE**	**NE**	**NE**	**8,000**	**15**	**NE**	**NE**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs or Commercial/Industrial Vapor Intrusion Human Health Risk ESLs.

Gray text denotes reconnaissance groundwater sample.

< denotes analyte not detected at or exceeding the reporting limit listed.

[1]Analyzed by U.S. Environmental Protection Agency Method 8260B. Only the detected VOCs are shown in table; the laboratory analytical report provides the full list of analytes.

[2]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[3]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), MCL priority, dated 2019 (Rev. 2).

[4]Water Board Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated 2019 (Rev. 2).

[5]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

B = analyte detected in associated method blank

ESL = Environmental Screening Level

MCL = Maximum Contaminant Level

NE = not established

VOCs = volatile organic compounds

Table 11
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
Reconnaissance Groundwater Samples																				
F-1	4/2/2019	F-1	< 0.011	< 0.011	< 0.011	0.023	< 0.011	< 0.022	0.011	0.0075	< 0.022	< 0.011	< 0.011	< 0.011	0.015	< 0.011	< 0.022	< 0.011	---	< 0.022	< 0.022
F-3	4/3/2019	F-3	< 0.058	< 0.058	0.31	< 0.058	0.20	**0.62**	**0.81**	**0.42**	**0.50**	**0.26**	**0.69**	**0.10**	0.99	0.11	**0.40**	**0.21**	---	0.51	0.96
F-5	4/3/2019	F-5	< 0.014	< 0.014	< 0.014	< 0.014	0.029	< 0.028	< 0.014	< 0.007	< 0.028	< 0.014	< 0.014	< 0.014	< 0.014	< 0.014	< 0.028	< 0.014	< 0.043	< 0.028	< 0.028
F-7	4/2/2019	F-7	< 0.013	< 0.013	< 0.013	< 0.013	0.027	< 0.025	< 0.013	< 0.0063	< 0.025	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.025	< 0.013	< 0.039	< 0.025	< 0.025
F-12	4/3/2019	F-12	< 0.14	< 0.14	0.91	0.22	**1.5**	**17**	**20**	**13**	**13**	**7.6**	**18**	**3.1**	**20**	0.47	**9.6**	< 0.14	---	4.0	**23**
F-13	4/3/2019	F-13	< 0.011	< 0.011	0.017	< 0.011	0.24	**0.084**	**0.081**	**0.051**	0.063	0.041	**0.076**	**0.026**	0.14	0.012	**0.054**	0.012	---	0.056	0.12
F-14	5/7/2019	F-14	< 0.01	< 0.01	< 0.01	< 0.01	0.016	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-15	5/7/2019	F-15	< 0.01	< 0.01	< 0.01	< 0.01	0.035	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	0.014	< 0.031	< 0.02	< 0.02
F-16	5/7/2019	F-16	< 0.01	< 0.01	< 0.01	< 0.01	0.022	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-17	5/7/2019	F-17	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.8	< 0.88	< 0.44	< 1.8	< 0.88	< 0.88	< 0.88	< 0.88	< 0.88	< 1.8	< 0.88	< 2.7	< 1.8	< 1.8
F-18	5/7/2019	F-18	< 0.01	< 0.01	< 0.01	< 0.01	0.048	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-20	5/7/2019	F-20	< 0.01	< 0.01	< 0.01	< 0.01	0.16	< 0.02	< 0.01	< 0.005	< 0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.031	< 0.02	< 0.02
F-24	5/7/2019	F-24	< 0.015	< 0.015	< 0.015	< 0.015	0.019	< 0.03	< 0.015	< 0.0076	< 0.03	< 0.015	< 0.015	< 0.015	< 0.015	< 0.015	< 0.03	< 0.015	< 0.047	< 0.03	< 0.03
F-26	3/2/2023	F-26*	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 1.1	< 0.11	< 0.43	< 0.43	< 0.43	< 0.11	< 0.43	< 0.22	< 0.22	< 0.43	< 1.1	---	< 0.11	< 0.11
F-27	3/2/2023	F-27*	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.27	< 0.027	< 0.11	< 0.11	< 0.11	< 0.027	< 0.11	< 0.054	< 0.054	< 0.11	< 0.27	---	< 0.027	< 0.027
F-28	3/2/2023	F-28*	0.0054 J	0.0053 J, B	< 0.0097	< 0.0097	0.0070 J	< 0.097	< 0.0097	< 0.039	< 0.039	< 0.039	< 0.0097	< 0.039	< 0.019	< 0.019	< 0.039	< 0.097	---	0.0058 J	< 0.0097
Water Board Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.10**	**0.049**	**0.049**	**0.025**	**8.0**	**3.9**	**0.049**	**0.17**	**1.0**	**4.6**	**2.0**
Water Board Direct Exposure: MCL Priority[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.20**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**1.0**	**NE**	**120**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**20**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**NE**	**30**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**8.0**	**15**	**15**	**15**	**7.9**	**4.6**	**15**

Table 11
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
Monitoring Well Groundwater Samples																					
MW-3	4/6/2021	MW-3	< 0.0048	< 0.0095	< 0.0048	< 0.0048	0.024	< 0.048	< 0.0048	< 0.019	< 0.019	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.019	< 0.048	---	< 0.019	< 0.0095
	3/2/2023	MW-3	< 0.0047	< 0.0047	< 0.0047	0.0023 J	0.044	< 0.047	< 0.0047	< 0.019	< 0.019	< 0.019	< 0.0047	< 0.019	< 0.0094	< 0.0094	< 0.019	< 0.047	---	< 0.0047	< 0.0047
MW-4	4/6/2021	MW-4	0.0074	0.014	< 0.0048	< 0.0048	0.0098	< 0.048	0.0049	< 0.019	< 0.019	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.0095	< 0.019	< 0.048	---	< 0.019	< 0.0095
	3/2/2023	MW-4	< 0.0047	< 0.0047	< 0.0047	< 0.0047	0.016	< 0.047	< 0.0047	< 0.019	< 0.019	< 0.019	< 0.0047	< 0.019	< 0.0094	< 0.0094	< 0.019	0.029 J	---	0.0030 J	0.0021 J
MW-5	3/5/2020	MW-5	< 0.010	< 0.010	< 0.010	< 0.010	0.33 J	**0.073**	< 0.010	< 0.025	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.020	< 0.010	---	< 0.020	< 0.020
	5/27/2020	MW-5	< 0.026	< 0.052	< 0.026	< 0.026	0.31	< 0.26	< 0.052	< 0.10	< 0.10	< 0.052	< 0.052	< 0.052	< 0.052	< 0.052	< 0.10	< 0.26	---	< 0.10	< 0.052
	1/13/2021	MW-5	< 0.10	< 0.20	< 0.10	< 0.10	0.44	< 1.0	**0.28**	< 0.40	< 0.40	< 0.20	**0.34**	< 0.20	0.24	< 0.20	< 0.40	< 1.0	---	< 0.40	0.30
	4/6/2021	MW-5	< 0.095	< 0.19	< 0.095	< 0.095	< 0.19	< 0.95	**0.10**	< 0.38	< 0.38	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.38	< 0.95	---	< 0.38	< 0.19
	3/2/2023	MW-5	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.95	**0.13**	**0.14** J	< 0.38	< 0.38	**0.056** J	< 0.38	0.063 J	< 0.19	**0.14** J	< 0.95	---	< 0.095	0.062 J
MW-5B	3/5/2020	MW-5B	< 0.011	< 0.011	< 0.011	< 0.011	0.44 J	**0.096**	< 0.011	< 0.026	< 0.021	< 0.011	< 0.011	< 0.011	< 0.011	< 0.011	< 0.021	< 0.011	---	< 0.021	< 0.021
MW-6	4/6/2021	MW-6	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.019	< 0.095	< 0.0095	< 0.038	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.038	< 0.095	---	< 0.038	< 0.019
	3/2/2023	MW-6	< 0.094	< 0.094	< 0.094	< 0.094	< 0.094	< 0.94	< 0.094	< 0.38	< 0.38	< 0.38	< 0.094	< 0.38	< 0.19	< 0.19	< 0.38	< 0.94	---	< 0.094	< 0.094
MW-7	3/5/2020	MW-7	< 0.010	< 0.010	< 0.010	< 0.010	0.018 J	< 0.020	< 0.010	< 0.025	< 0.020	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.020	< 0.010	---	< 0.020	< 0.020
	5/27/2020	MW-7	< 0.010	< 0.021	< 0.010	< 0.010	< 0.021	< 0.10	< 0.021	< 0.041	< 0.041	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.041	< 0.10	---	< 0.041	< 0.021
	1/13/2021	MW-7	< 0.0095	< 0.019	< 0.0095	< 0.0095	0.019	< 0.095	< 0.0095	< 0.038	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.038	< 0.095	---	< 0.038	< 0.019
	4/6/2021	MW-7	< 0.0095	< 0.019	< 0.0095	< 0.0095	< 0.019	< 0.095	< 0.0095	< 0.038	< 0.038	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.038	< 0.095	---	< 0.038	< 0.019
	3/2/2023	MW-7	< 0.047	< 0.047	< 0.047	< 0.047	0.029 J	< 0.47	< 0.047	< 0.19	< 0.19	< 0.19	< 0.047	< 0.19	< 0.094	< 0.094	< 0.19	< 0.47	---	< 0.047	< 0.047
Water Board Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.10**	**0.049**	**0.049**	**0.025**	**8.0**	**3.9**	**0.049**	**0.17**	**1.0**	**4.6**	**2.0**
Water Board Direct Exposure: MCL Priority[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.20**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**1.0**	**NE**	**120**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**20**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**NE**	**30**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**8.0**	**15**	**15**	**15**	**7.9**	**4.6**	**15**

Table 11
Groundwater Analytical Results for PAHs
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																	
			1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)Anthracene	Benzo(a)Pyrene	Benzo(b)Fluoranthene	Benzo(g,h,i)Perylene	Benzo(k)Fluoranthene	Chrysene	Dibenzo(a,h)Anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)Pyrene	Naphthalene	Pentachlorophenol	Phenanthrene	Pyrene
MW-8	3/5/2020	MW-8	0.010	0.010	0.072	< 0.010	0.11 J	**0.056**	**0.027**	0.044 B	0.027 J	0.022	**0.050**	< 0.010	0.14	0.021	< 0.020	0.11	---	0.091	0.21
	5/27/2020	MW-8	0.015	< 0.021	0.016	< 0.010	0.10	< 0.10	< 0.021	< 0.041	< 0.041	< 0.021	< 0.021	< 0.021	0.040	< 0.021	< 0.041	< 0.10	---	< 0.041	0.046
	1/13/2021	MW-8	< 0.048	< 0.095	< 0.048	< 0.048	0.16	< 0.48	**0.12**	**0.36**	**0.23**	**0.17**	**0.42**	< 0.095	0.53	< 0.095	< 0.19	< 0.48	---	< 0.19	0.60
	4/6/2021	MW-8	< 0.024	< 0.048	< 0.024	< 0.024	0.087	< 0.24	**0.19**	**0.28**	**0.14**	**0.11**	**0.24**	**0.049**	0.30	0.061	**0.13**	< 0.24	---	0.13	0.35
	3/2/2023	MW-8	< 0.024	< 0.024	< 0.024	< 0.024	0.15	< 0.24	**0.026**	0.029 J	< 0.095	< 0.095	0.011 J	< 0.095	0.020 J	< 0.047	< 0.095	< 0.24	---	< 0.024	0.017 J
Water Board Tier 1 ESLs for Groundwater[2]			**NE**	**2.1**	**15**	**15**	**0.73**	**0.017**	**0.014**	**0.049**	**0.10**	**0.049**	**0.049**	**0.025**	**8.0**	**3.9**	**0.049**	**0.17**	**1.0**	**4.6**	**2.0**
Water Board Direct Exposure: MCL Priority[3]			**NE**	**36**	**530**	**NE**	**1,800**	**0.017**	**0.20**	**0.25**	**NE**	**2.5**	**25**	**0.025**	**800**	**290**	**0.25**	**0.17**	**1.0**	**NE**	**120**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**20**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**NE**	**30**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**15**	**8.0**	**15**	**15**	**15**	**7.9**	**4.6**	**15**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs.

Results in **bold** and highlighted **orange** denote concentrations exceeding Aquatic Habitat Saltwater Ecotox Goals and potentially Priority MCLs.

Gray text denotes reconnaissance groundwater sample.

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed.

* denotes aqueous sample containing greater than approximately 1 percent sediment by volume.

B = analyte detected in the associated method blank

ESL = Environmental Screening Levels

MCL = Maximum Contaminant Level

J = result is an estimate

NE = not established

PAHs = polycyclic aromatic hydrocarbons

[1]Analyzed by U.S. Environmental Protection Agency Method 8270C/SIM.

[2]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[3]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), MCL priority, dated 2019 (Rev. 2).

[4]Water Board Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated 2019 (Rev. 2).

[5]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

Table 12
Groundwater Analytical Results for Metals
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)[1]																
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Reconnaissance Groundwater Samples																			
F-1	4/2/2019	F-1	1.8	7.0	27	< 0.5	**0.91**	1.6	**6.7**	**210**	< 0.5	< 0.05	19	**11**	**0.66**	< 0.19	< 0.5	**22**	46
F-10	4/3/2019	F-10	1.2	4.3	18	< 0.5	< 0.25	< 0.5	1.4	**37**	< 0.5	**0.10** B	49	7.1	**0.73**	< 0.19	< 0.5	**27**	< 15
Water Board Tier 1 ESLs for Groundwater[2]			**6.0**	**10**	**1,000**	**2.7**	**0.25**	**50**	**3.0**	**3.1**	**2.5**	**0.025**	**100**	**8.2**	**0.50**	**0.19**	**2.0**	**19**	**81**
Water Board Direct Exposure: MCL Priority[3]			**6.0**	**10**	**1,000**	**4.0**	**5.0**	**50**	**6.0**	**1,000**	**15**	**2.0**	**100**	**100**	**50**	**100**	**2.0**	**NE**	**5,000**
Water Board ESLs Vapor Intrusion Human Health Risk Levels: Commercial/Industrial[4]			**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**0.38**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**
Water Board ESLs Aquatic Habitat Goal: Saltwater Ecotox[5]			**500**	**36**	**NE**	**NE**	**9.3**	**1,000[6]**	**NE**	**3.1**	**8.1**	**0.025**	**NE**	**8.2**	**0.50**	**0.19**	**210**	**NE**	**81**

NOTES:

Green highlight denotes concentrations exceeding the laboratory reporting limit.

Results in **bold** and highlighted **green** denote concentrations exceeding Tier 1 ESLs.

Results in **bold** and highlighted **yellow** denote concentrations exceeding Priority MCLs.

Results in **bold** and highlighted **orange** denote concentrations exceeding Aquatic Habitat Saltwater Ecotox Goals.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

Gray text denotes reconnaissance groundwater sample.

B = analyte was detected in the associated method blank

ESL = Environmental Screening Levels

MCL = Maximum Contaminant Level

[1]Analyzed by U.S. Environmental Protection Agency Method 200.8.

[2]San Francisco Bay Regional Water Quality Control Board (Water Board) Tier 1 ESLs for groundwater, dated 2019 (Rev. 2).

[3]Water Board Groundwater Direct Exposure Human Health Risk Levels (Table GW-1), MCL priority, dated 2019 (Rev. 2).

[4]Water Board Groundwater Vapor Intrusion Human Health Risk Levels for Commercial/Industrial (Table GW-3), dated 2019 (Rev. 2).

[5]Water Board Groundwater Aquatic Habitat Goal Levels (Table GW-2), dated 2019 (Rev. 2).

[6]Value based on ESL for chromium III.

Table 13
Groundwater Analytical Results for Total Dissolved Solids
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-105

Sample Location	Sample Date	Sample Identification	Analytical Results (milligrams per liter)[1]
			Total Dissolved Solids
F-26	3/2/2023	F-26*	1,520
F-27	3/2/2023	F-27*	11,300
F-28	3/2/2023	F-28*	6,130
MW-1	4/6/2021	MW-1	834
MW-2	4/6/2021	MW-2	864
MW-3	4/6/2021	MW-3	1,520
	3/2/2023	MW-3	782
MW-4	4/6/2021	MW-4	1,850
	3/2/2023	MW-4	1,630
MW-5	4/6/2021	MW-5	1,720
	3/2/2023	MW-5	160
MW-6	4/6/2021	MW-6	3,160
	3/2/2023	MW-6	944
MW-7	4/6/2021	MW-7	2,600
	3/2/2023	MW-7	842
MW-8	4/6/2021	MW-8	2,870
	3/2/2023	MW-8	1,960

NOTE:

[1]Analyzed by Standard Method SM 2540C.

* denotes aqueous sample containing greater than approximately 1 percent sediment by volume.

Gray text denotes reconnaissance groundwater sample.

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
Geology and Hydrogeology	Regional	The Site is in Newark, California along the southeastern coast of the San Francisco Bay, the main water body in Newark. The Site is characterized by Quaternary alluvium and marine deposits, which are composed of sequences of interbedded silts, sands, and clays to depths greater than 200 feet below ground surface (bgs). Alluvial deposits range in age from Pliocene to Holocene. The Site is in the Niles Cone Groundwater Basin, and groundwater flow beneath the region is predominantly to the west-southwest. As described in the Urban Water Management Plan,[1] the shallowest aquifer of the Niles Cone Groundwater Basin is the Newark Aquifer, which consists of gravel and sand between depths of approximately 40 and 140 feet bgs. The Newark Aquifer is overlain in most of the basin by the Newark Aquiclude, consisting of silt and clay. Layers of sand and silt within the Newark Aquiclude can act as non-regional shallow water-bearing zones. Beneath the Newark Aquifer is a clay aquitard that separates the Newark Aquifer from the Centerville Aquifer, Fremont Aquifer, and the Deep Aquifer. The Newark Aquifer is generally confined except in the area immediately west of the Hayward fault, where the overlying aquitard is absent in the forebay area. Groundwater in the Niles Cone Groundwater Basin has beneficial use per the Basin Plan.[2] The Newark Aquifer is a source of drinking water among other beneficial uses. However, groundwater quality within the Newark Aquifer near the San Francisco Bay has been degraded by saltwater intrusion. Aquifer reclamation wells up-gradient of the Site prevent further saltwater intrusion to protect drinking water as a beneficial use. As a result of the Site's location relative to the San Francisco Bay and up-gradient aquifer reclamation wells, groundwater within the Newark Aquifer beneath the Site is expected to be brackish and is not expected to be used for drinking water. Shallow water-bearing zones within the Newark Aquiclude are also expected to be brackish and are not expected to have beneficial use. The presence of the Newark Aquiclude prevents significant downward migration of impacted groundwater from shallow water-bearing zones within the Newark Aquiclude to the Newark Aquifer.
Geology and Hydrogeology	Site	According to investigations conducted by Farallon Consulting, L.L.C. (Farallon), the lithology beneath the Site consists of sand and gravel from the surface to depths of approximately 2 to 4 feet bgs, followed by clay and silt to depths of approximately 7.5 to 11 feet bgs, and by silt and sand to depths of approximately 13 to 14 feet bgs, where first-encountered groundwater was observed. This shallow water-bearing zone consists of silty sand and sand, and extends to depths of 19 to 22 feet bgs. Beneath the shallow water-bearing zone, an aquitard of silt and clay corresponding to the Newark Aquiclude was identified, extending to the total depth explored of 25 feet bgs. According to data obtained during five groundwater monitoring events conducted in 2020, 2021, and 2023, the groundwater flow direction at the Site is southwest, with a gradient of 0.001 to 0.004 foot per foot.

[1] Alameda County Water District. 2021. *Urban Water Management Plan,* 2020-2025. October 15.
[2] San Francisco Bay Regional Water Quality Control Board (Water Board). 2019. *Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin.* Updated March 7, 2023. November 5 (Basin Plan).

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
Sensitive Receptors	Surface Water Bodies	The federally designated wetlands nearest the Site are salt ponds that were identified approximately 100 feet southwest of the Site on the southwest-adjacent Cargill Salt property at 7220 Central Avenue. The water body nearest the Site was identified as the San Francisco Bay, approximately 2.5 miles southwest of the Site.
Sensitive Receptors	Nearby Wells	Water-supply wells within a 1-mile radius of the Site were identified in the California State Water Resources Control Board Groundwater Ambient Monitoring and Assessment Program database. Two wells were identified approximately 3,168 and 4,800 feet northeast and up-gradient of the Site. Five wells were identified approximately 1,600 to 4,200 feet southwest and down-gradient of the Site. Based on the distance of these wells from the Site and/or the direction of groundwater flow, it is highly unlikely that historical releases at the Site have impacted these water-supply wells or have the potential to impact water-supply wells in the future.
Constituents of Concern		Historical industrial use of the Site indicated the need for investigations at the Site. Previous investigations included laboratory analysis for: total petroleum hydrocarbons (TPH) as diesel-range organics (DRO), as oil-range organics (ORO), and as gasoline-range organics (GRO); polycyclic aromatic hydrocarbons (PAHs); polychlorinated biphenyls; metals; and volatile organic compounds (VOCs). The constituents of concern (COCs) for the Site are compounds that have been detected at concentrations exceeding Tier 1 Environmental Screening Levels (ESLs), which were identified during investigations as DRO, ORO, VOCs, PAHs, and select metals. Groundwater monitoring well sampling results confirmed that historical reconnaissance groundwater sample analytical results are not representative of groundwater conditions at the Site.
Release Source		Two 1,000-gallon underground storage tanks (USTs) containing bunker fuel and gasoline, and a 20,000-gallon diesel fuel aboveground storage tank (AST) and associated fuel islands and piping were removed from the Site between 1991 and 1993. Visual inspection and soil sampling at the time of removal indicated that a release had not occurred from the two USTs. Although visual inspection of the AST, associated fuel islands, and piping did not indicate that a release had occurred, DRO was detected at a maximum concentration of 2,800 milligrams per kilogram (mg/kg) in soil samples collected. A soil and groundwater investigation was conducted in September 1999 to determine the extent of petroleum hydrocarbon contamination from the AST. Based on the results from the investigation, an excavation was conducted north of the former location of the AST in June 2000, and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Site. Confirmation samples collected following excavation did not contain detectable concentrations of TPH. Historical industrial operations at the Site may have been a potential source of impacts to soil and groundwater. Data obtained during five groundwater monitoring events using low-flow sampling procedures at the Site in 2020, 2021, and 2023 indicated that Site groundwater has not been adversely impacted by DRO or PAHs at concentrations exceeding the maximum contaminant level (MCL), with the exception of the results from groundwater samples collected from monitoring wells MW-5 and MW-8 on January 13 and April 6, 2021, which indicated that groundwater impacts appeared to be low threat and limited in areal extent. The March 2, 2023 groundwater monitoring event found that detections of DRO and PAHs in samples collected from off-Site down-gradient

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
		temporary groundwater monitoring wells F-26, F-27, and F-28 and Site monitoring wells MW-3 through MW-8 were less than MCLs. Groundwater impacts at the Site have been characterized and are low threat. Data suggest the potential for releases from surrounding properties to have contributed to groundwater impacts at the Site.
Constituents of Concern in Soil		COC detections in soil samples collected by Farallon are summarized below: • DRO was not detected at a concentration exceeding Tier 1 ESLs, with the exception of a detection of DRO in the sample collected from boring MW-8, which also exceeded the commercial/industrial ESL. • ORO was not detected at a concentration exceeding Tier 1 ESLs, with the exception of a detection of ORO in the sample collected from boring MW-8, which was less than the commercial/industrial ESL. • VOCs were not detected at a concentration exceeding Tier 1 ESLs, with the exception of naphthalene, which was detected at concentrations less than the commercial/industrial ESL in samples collected from borings F-4, F-20, and MW-8. • PAHs were not detected at a concentration exceeding Tier 1 ESLs, with the exception of two compounds detected at concentrations less than the commercial/industrial ESL in a sample collected from boring F-13. • Arsenic, barium, nickel, and vanadium were the only metals detected at concentrations exceeding Tier 1 ESLs; all concentrations were less than commercial/industrial ESLs. Arsenic is known to occur naturally at concentrations exceeding the commercial/industrial ESL in California soil. The San Francisco Bay Regional Water Quality Control Board has identified 11 mg/kg of arsenic as an acceptable background concentration in soil. The arsenic concentrations detected at the Site were less than this background concentration, with the exception of a detection of 12 mg/kg in a sample collected from boring F-12.

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
Constituents of Concern in Groundwater		COC detections in groundwater samples collected by Farallon are summarized below: • DRO was detected in two samples collected from monitoring well MW-5, with the maximum concentration of 220 micrograms per liter (µg/l) in the sample collected on April 6, 2021 slightly exceeding the MCL of 200 µg/l. DRO was not detected at a concentration exceeding the laboratory reporting limit in the sample collected from monitoring well MW-5 and analyzed for DRO with silica gel cleanup, which is indicative of the presence of natural organic compounds or hydrocarbon oxidation products (HOPs) in groundwater. Subsequent results of groundwater monitoring at monitoring well MW-5 found DRO without or with silica gel cleanup was not detected exceeding the laboratory reporting limit. DRO without and with silica gel cleanup was detected in off-Site reconnaissance groundwater sample F-26 collected on March 2, 2023, at concentrations equal or less than the MCL, respectively. The chromatograph pattern of the DRO detected in sample F-26 matched a degraded bunker fuel pattern, rather than diesel, which is consistent with residual bunker fuel impacts remaining beneath the Cargill admin building south of the Site. The concentration of HOPs calculated for sample F-26 was less than the MCL. DRO without silica gel cleanup was detected in off-Site reconnaissance groundwater sample F-27 at a concentration less than the MCL. The concentration of HOPs calculated for sample F-27 was less than the MCL. • ORO was detected in the sample collected on January 13, 2021 from monitoring well MW-5. ORO was detected in reconnaissance groundwater sample F-26 collected on March 2, 2023. An ESL has not been established for ORO. • VOCs were not detected at a concentration exceeding Tier 1 ESLs or MCLs. • Historically, select PAHs were detected at concentrations exceeding Tier 1 ESLs and benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene and dibenzo(a,h)anthracene were detected at maximum concentrations of 0.096, 0.28, 0.36, and 0.049 µg/l, respectively, which slightly exceeded the MCLs of 0.017, 0.2, 0.25 and 0.025 µg/l, respectively. During the most recent groundwater monitoring event on March 2, 2023, PAHs were not detected at concentrations exceeding the MCLs.
Source Removal Activities		USTs formerly present at the Site consisted of two 1,000-gallon USTs containing bunker fuel and gasoline, and a 20,000-gallon diesel fuel AST. The former USTs, AST, and associated fuel islands and piping were removed from the Site between 1991 and 1993, stopping any releases that may have occurred. An excavation was conducted north of the former location of the AST in June 2000, and approximately 311 tons of soil and 2,300 gallons of groundwater were removed from the Site. Confirmation samples collected following excavation did not contain detectable concentrations of petroleum hydrocarbons.

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Risk Evaluation	Potential Receptors	The Site is used for commercial/industrial purposes, with no changes in Site use planned for the future. Potential receptors are commercial/industrial workers and construction workers. Potential exposure pathways evaluated were incidental ingestion, dermal contact, dust inhalation, and vapor inhalation. An assessment of whether an exposure pathway is potentially complete, incomplete, or insignificant follows. For direct contact with contaminated soil, the exposure pathways for incidental ingestion, dermal contact, and dust inhalation for commercial/industrial workers are considered complete. However, shallow soil throughout the Site has been sampled and analyzed, demonstrating concentrations of COCs less than commercial/industrial ESLs, which reflect the intended use of the Site. The only exceptions were a detection of arsenic that slightly exceeded the acceptable background concentration, and a detection of DRO that exceeded the commercial/industrial ESL. For direct contact with contaminated groundwater, the ingestion and dermal pathways for groundwater are considered incomplete. Shallow groundwater from permanent groundwater monitoring wells across the Site was sampled and analyzed during five sampling events conducted from March 2020 to March 2023. Free-product was not encountered during the five sampling events. Concentrations of COCs detected in groundwater samples were less than the direct exposure human health risk level ESLs, with the exceptions of a concentration of DRO detected in a groundwater sample collected from monitoring well MW-5 on April 6, 2021, and concentrations of select PAHs detected in samples collected from monitoring wells MW-5 and MW-8 on March 5, 2020 and January 13 and April 6, 2021. DRO was not detected at a concentration exceeding the laboratory reporting limit in the groundwater sample collected concurrently from monitoring well MW-5 on April 6, 2021 and analyzed by U.S. Environmental Protection Agency Method 8015 with silica gel cleanup, which is indicative of the presence of natural organic compounds or HOPs in groundwater. Subsequent groundwater monitoring performed on March 2, 2023 found concentrations of DRO without and with silica gel cleanup were not detected exceeding laboratory reporting limits in samples collected from monitoring wells MW-3 through MW-8 at the Site. Calculated HOPs concentrations were not detected in samples collected from monitoring wells MW-3 through MW-8 at the Site. The detected concentrations of DRO and PAHs historically detected in samples collected from monitoring wells MW-5 and MW-8 appear to be decreasing. Down-gradient and off-Site reconnaissance groundwater samples collected from temporary monitoring wells F-26, F-27, and F-28 have delineated the down-gradient extent of the contaminant plume. The Site is in the Niles Cone Groundwater Basin, proximate to the San Francisco Bay and the large system of salt ponds present along the San Francisco Bay's margin. Groundwater in the Niles Cone Groundwater Basin is known to experience saltwater intrusion, especially closer to the San Francisco Bay. Groundwater in the Niles Cone Groundwater Basin, including the Newark Aquifer, is considered to have beneficial use per the Basin Plan, regardless of total dissolved solids (TDS) concentrations. Concentrations of TDS detected in shallow groundwater at the Site have historically been as high as 3,160 milligrams per liter (mg/l) and generally exceed the Secondary MCL range for TDS of 500 mg/l (recommended) to 1,000 mg/l (upper). According to the Basin Plan, groundwater that contains TDS at a concentration exceeding 3,000 mg/l is not reasonably expected to supply a public water system. It is not anticipated that shallow groundwater beneath the Site would be used as a source of drinking water as part of a public water system. Shallow groundwater at the Site is contained in silt and sand zones within the Newark Aquiclude, which prevents significant migration of shallow groundwater into the Newark Aquifer below. Groundwater in the Newark aquifer is identified for beneficial uses including drinking water, but because of the presence of the Newark Aquiclude,

Table 14
Conceptual Site Model
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

Conceptual Model Element	Conceptual Model Sub-Element	Description
		impacts to shallow groundwater are unlikely to migrate to the Newark Aquifer. The down-gradient salt ponds and San Francisco Bay were identified approximately 100 feet southwest and 2.5 miles southwest of the Site, respectively, and it is unlikely that they have been impacted by historical releases at the Site because COCs were not detected at concentrations exceeding aquatic habitat ESLs in the down-gradient groundwater samples F-26, F-27, and F-28. The down-gradient water-supply well nearest the Site was identified approximately 1,600 feet southwest of the Site. Based on the distance to this well from the Site and the low concentrations of COCs detected in groundwater at the Site, it is highly unlikely that historical releases at the Site have impacted water-supply wells or have the potential to impact water-supply wells in the future. For volatilization from soil or groundwater to indoor and outdoor air, the vapor inhalation pathway is considered incomplete. The concentrations of volatile COCs detected in shallow soil and groundwater at the Site were less than the commercial/industrial vapor intrusion human health risk level ESLs. In addition, cumulative vapor intrusion exposure risk and hazard were calculated by entering maximum concentrations of volatile COCs detected in samples collected from groundwater monitoring wells into the Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator.[3] Only COCs that contribute to vapor intrusion exposure risk and hazard were included in the risk assessment calculations. For example, DRO was detected in groundwater, but because it does not have a commercial/industrial vapor intrusion human health risk level ESL, it does not contribute to the calculation for cumulative vapor intrusion exposure risk and hazard, and was not included in the calculation of vapor intrusion exposure risk and hazard. A review of historical data collected at the Site found detections of four COCs that contribute to the calculation for cumulative vapor intrusion exposure risk and hazard: methyl ethyl ketone, methyl tertiary-butyl ether, benzo(a)anthracene, and naphthalene. The maximum detected concentration in groundwater monitoring well samples for each of the four COCs was entered into the calculation presented in Appendix F. Cumulative cancer risk and cumulative noncancer hazard due to vapor intrusion were 6.3E-09 and 1.5E-04, respectively, which are less than the cancer risk and noncancer hazard thresholds of 1.0E-6 and 1.0, respectively. Although no soil gas samples have been collected at the Site, the plethora of soil and groundwater samples with concentrations of volatile COCs less than commercial/industrial vapor intrusion human health risk level ESLs, and the cumulative cancer risk and noncancer hazard less than thresholds illustrate that subsurface conditions do not expose commercial workers to unacceptable health risks under continued commercial use.

[3] Water Board. 2019. *Environmental Screening Levels, Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator.* Rev. 2.

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
1. Develop a complete conceptual site model (CSM).		**Yes**
1a) Pollutant sources are identified and evaluated.	Former underground storage tanks (USTs) at the Site consisted of two 1,000-gallon USTs containing bunker fuel and gasoline and a 20,000-gallon diesel fuel aboveground storage tank (AST). The USTs, AST, and associated fuel islands and piping were removed from the Site between 1991 and 1993, stopping any releases that may have occurred. Visual inspection and soil sampling at the time of removal indicated that a release had not occurred from the two USTs. Soil and groundwater sampling at the time of the removal of the AST and associated fuel islands and piping indicated that a release had occurred.	
1b) The Site is adequately characterized.	The constituents of concern (COCs) at the Site in soil are total petroleum hydrocarbons (TPH) as diesel-range organics (DRO), TPH as oil-range organics (ORO), naphthalene, polycyclic aromatic hydrocarbons (PAHs), and metals. Only a single detection of arsenic that slightly exceeded the acceptable background concentration, and a detection of DRO that exceeded the San Francisco Bay Regional Water Quality Control Board (Water Board) commercial/industrial Environmental Screening Level (ESL) were reported in soil samples. The COCs at the Site in groundwater are: DRO, ORO, and PAHs. During the most recent groundwater monitoring event performed on March 2, 2023, detections of COCs in groundwater were less than the maximum contaminant levels (MCLs).	
1c) Exposure pathways, receptors, and potential, risks, threats, and other environmental concerns are identified and assessed.	Potential exposure pathways evaluated were incidental ingestion, dermal contact, dust inhalation, and vapor inhalation. Potential receptors are commercial/industrial workers and construction workers. Potential impacts to surface waters, groundwater with beneficial uses, and nearby water supply wells were evaluated.	

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
2. Control sources and mitigate risks and threats.		**Yes**
2a) Pollutant sources are remediated to the extent feasible.	In June 2000, approximately 311 tons of soil and 2,300 gallons of groundwater were removed from an excavation conducted to remove secondary source material on the northern side of the former location of the 20,000-gallon diesel AST at the Site. Confirmation samples collected following excavation did not contain detectable concentrations of TPH. Concentrations of DRO and ORO detected in the soil sample collected from boring MW-8 exceeded the Water Board Tier 1 ESLs. Groundwater samples collected from monitoring well MW-8 have not shown detectable concentrations of DRO or ORO, indicating that the soil impacts are not acting as a secondary source of impacts to groundwater in the vicinity of monitoring well MW-8.	

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
2b) Unacceptable risks to human health, ecological health, and sensitive receptors, considering current and future land and water uses, are mitigated.	A risk evaluation for potential receptors was conducted, and it was demonstrated that human health and the environment is protected: • For direct contact with contaminated soil, the exposure pathways for incidental ingestion, dermal contact, and dust inhalation for commercial/industrial workers are considered complete; however, concentrations of COCs were less than commercial/industrial ESLs, with the exceptions of a single detection of arsenic that slightly exceeded the acceptable background concentration, and a single detection of DRO that exceeded the commercial/industrial ESL, which are considered low threat. • Groundwater monitoring results from the most recent event on March 2, 2023 showed that COCs in groundwater samples collected from the Site are less than the MCLs, with concentrations decreasing from historical levels. The down-gradient extent of the contaminant plume has been delineated by the off-Site down-gradient reconnaissance groundwater samples F-26, F-27, and F-28. Groundwater in the Newark Aquifer is identified for beneficial uses including drinking water, but because of the presence of the Newark Aquiclude, impacts to shallow groundwater are unlikely to migrate to the Newark Aquifer. Down-gradient surface waters are highly unlikely to have been impacted because concentrations of COCs were not detected at concentrations exceeding aquatic habitat ESLs in the down-gradient groundwater samples F-26, F-27, and F-28. Due to the distance from the Site, groundwater supply wells are unlikely to have been impacted. • For volatilization from soil or groundwater to indoor and outdoor air, the vapor inhalation pathway is considered incomplete; the concentrations of volatile COCs detected in shallow soil and groundwater at the Site were less than the commercial/industrial vapor intrusion human health risk level ESLs; and cumulative cancer risk and cumulative noncancer hazard due to vapor intrusion were 6.3E-09 and 1.5E-04, respectively, which are less than the cancer risk and noncancer hazard thresholds of 1.0E-6 and 1.0, respectively.	
2c) Unacceptable threats to groundwater and surface water resources, considering existing and potential beneficial uses, are mitigated.	Unacceptable threats to groundwater and surface water resources due to the release at the Site have been evaluated and found to be highly unlikely because detections of COCs in groundwater are less than the MCLs and aquatic habitat ESLs as of the most recent groundwater monitoring event performed on March 2, 2023.	

Table 15
Assessment Tool for Closure Checklist
6756 and 6792 Central Avenue
Newark, California
Farallon PN: 1071-040

CRITERIA	DISCUSSION	CRITERIA SATISFIED?
3. Demonstrate that residual pollution in all media will not adversely affect present and anticipated land and water uses		**Yes**
3a) Groundwater plumes are decreasing.	Detections of COCs in groundwater have decreased from slightly greater than the MCLs to less than the MCLs in the most recent groundwater monitoring event performed on March 2, 2023.	
3b) Cleanup standards can be met in a reasonable timeframe.	Detections of COCs in groundwater are less than the MCLs as of the most recent groundwater monitoring event performed on March 2, 2023.	
3c) Risk management measures are appropriate, documented, and do not require future Water Board oversight.	Risk management measures are not required for the Site.	

ATTACHMENT A
DRILLING PERMIT

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

ALAMEDA COUNTY WATER DISTRICT
43885 South Grimmer Blvd. • P.O. Box 5110
Fremont, CA 94537-5110
Permitting & Scheduling (510) 668-4460

APPLICATION FOR DRILLING PERMIT

ACWD ORDINANCE NO. 2010-01

Application Received Date: 12/12/22 By: AS | Permit Issued Date: 2/1/23 | Permit Expiration Date: 4/19/23 | Job No. 1450 | Permit No. 2023-023 | Well No. NA

JOB ADDRESS: 6756-6792 Central Ave Newark CA

PROPERTY OWNER
NAME: Prologis, Inc.
ADDRESS: Pier 1, Bay 1
San Francisco, CA
TELEPHONE: (415) 733-9451

CONSULTING ENGINEER
NAME: Peter Sims (Geologist with Farallon Consulting)
ADDRESS: 330 Franklin Street
Oakland, CA
TELEPHONE: (949) 338-8317 RG/CEG/RCE NO. 9576

DRILLING CONTRACTOR
NAME: Cascade Drilling
ADDRESS: 3459 Collins Ave
Richmond, CA 94806
E-MAIL ADDRESS: ralcartado@cascade-env.com
TELEPHONE: (510) 478-0858 STATE LIC. NO. 1058336

When properly signed

THIS APPLICATION IS A VALID PERMIT

to perform only work described below at the given job address, in accordance with ACWD Ordinance No. 2010-01 and all other applicable laws and regulations. Discontinuation of work may result in revocation of permit. ***Permittee must schedule the work in advance with ACWD.*** *ACWD's approval of drawings, designs, specifications, work plans, reports or incidental work and materials shall not relieve the permittee of responsibility for the technical adequacy of the work. Except for special circumstances, all work to be inspected must be performed within ACWD work hours – 7:00 a.m. to 4:30 p.m., Monday through Friday.*

PLEASE CHECK TYPE OF PROPOSED WORK

Each well or other excavation requires a separate permit application form unless otherwise indicated. Only one specific type of work can be checked per permit application.

WELLS
☐ CONSTRUCTION ☐ REPAIR ☐ DESTRUCTION

☐ Water Well

Monitoring Well:
- ☐ Chemical Investigation
- ☐ Injection Well (for Chemical Cleanup)
- ☐ Geotechnical Investigation

☐ Geothermal Heat Exchange Well

☐ Dewatering Well *(Multiple dewatering wells may be grouped together on the same permit application form)*
Quantity: _____

EXPLORATORY HOLES
☑ CONSTRUCT./DESTRUCT.

Multiple exploratory holes of the same type may be grouped together on the same permit application form.

- ☒ Chemical Investigation
- ☐ Injection Boreholes
- ☐ Soil Vapor Sampling
- ☐ Geotechnical Investigation

Quantity: 3

OTHER EXCAVATIONS
☐ CONSTRUCTION ☐ REPAIR ☐ DESTRUCTION

- ☐ Cathodic Protection Well
- ☐ Inclinometer
- ☐ Vibrating Wire Piezometer
- ☐ Elevator Shaft

Multiple other excavations of the same type may be grouped together on the same permit application form for the following:

- ☐ Cleanup Site Excavation(s)
- ☐ Wick Drains
- ☐ Shaft, Tunnel, or Directional Borehole (s)
- ☐ Support Piers, Piles, or Caissons
- ☐ Other: _____ Quantity: _____

DESCRIPTION OF PROPOSED WORK:
Environmental Investigation; three boreholes for hydropunch groundwater samples
All bores are temporary and will be grouted after sample collection

TOTAL ESTIMATED COST $ 475

PERMIT CONDITIONS:
Exploratory Boreholes to be Backfilled from Bottom of Borehole to Surface with Neat Cement

FEES: ☐ Private ☐ City ☐ Governmental Agency

GUARANTEE OF PERFORMANCE: ☐ Cash Deposit ☐ Bond

REFUND: Amount $ _____ Reason: _____

FEES/ DEPOSIT: Date Received 12/12/22 Estimated Amount $ 475.00
Check No. 48951 Actual Amount $ 475.00
Cash _____ Difference $ 0

ACWD SITE NO. 20692

APPROVED FOR SCHEDULING BY: FOR DATE: 12/16/22

APPROVED BY: DATE: 2/14/2023

I hereby agree to comply with all conditions of this permit in accordance with ACWD Ordinance No. 2010-01 and to furnish the District a completed copy of D.W.R. Drillers Report (form 188) within sixty (60) days after completion as well as any chemical testing results within thirty (30) days after completion.

Title: Associate Geologist Signature: Peter Sims Date: 12/9/2022

Representing: Farallon Consulting and Prologis Inc. Name (printed): Peter Sims

ACWD #458 11-12

ATTACHMENT B
BORING LOGS

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

FARALLON CONSULTING

Log of Boring: F-26

Client:	Prologis
Project:	7220 Central Avenue
Location:	Newark, CA
Farallon PN:	1071-105
Logged By:	Steffany Aguilar
Reviewed By:	Peter Sims

Date/Time Started:	3/2/2023 11:15	**Depth to Water ATD (ft bgs):**	6.0
Date/Time Completed:	3/2/2023 11:45	**Boring Diameter (in):**	NA
Drilling Company:	Cascade Drilling	**Total Boring Depth (ft bgs):**	8.0
Drilling Method:	Hand Auger	**Constructed Well Depth (ft bgs):**	NA
Drilling Equipment:	Hand Auger		
Drilling Operator:	Diego Amador		
Sampler Type:	Hand Auger		
Drive Hammer (lbs):	NA		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0' - 1.0' SILT with sand (80% fines, 15% fine sand, 5% gravel) organics in soil, loose, moist, brown.	ML							
		1.0' - 8.0' CLAY (95% fines, 5% fine sand) moist, medium plasticity, medium dense, high dry strength, brown-black. Wet at 6.0' bgs	CL			100	0 0 0 0 0 0 0 0	F-26	X	GW (ATS) @ 4.56' GW (ATD) @ 6.0'
5										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	NA	**Annular Seal:**	NA	**Surveyed Location: X:** NA	**Y:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Grout - Tremie Pipe	**Unique Well ID:** NA	

FARALLON CONSULTING

Log of Boring: F-27

Client:	Prologis
Project:	7220 Central Avenue
Location:	Newark, CA
Farallon PN:	1071-105
Logged By:	Steffany Aguilar
Reviewed By:	Peter Sims

Date/Time Started:	3/2/2023 10:00	**Depth to Water ATD (ft bgs):**	4.0
Date/Time Completed:	3/2/2023 10:20	**Boring Diameter (in):**	NA
Drilling Company:	Cascade Drilling	**Total Boring Depth (ft bgs):**	6.0
Drilling Method:	Hand Auger	**Constructed Well Depth (ft bgs):**	NA
Drilling Equipment:	Hand Auger		
Drilling Operator:	Diego Amador		
Sampler Type:	Hand Auger		
Drive Hammer (lbs):	NA		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0' - 1.0' SILT with sand (80% fines, 15% fine sand, 5% gravel) organics in soil, loose, moist, brown.	ML							
		1.0' - 6.0' CLAY (95% fines, 5% fine sand) moist, medium plasticity, medium dense, high dry strength, dark brown. Wet at 4.0' bgs	CL			100	0 0 0 0 0 0	F-27	X	▽ GW (ATS) @ 1.37' ▼ GW (ATD) @ 4.0
5										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	NA	**Annular Seal:**	NA	**Surveyed Location: X:** NA	**Y:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Grout - Tremie Pipe	**Unique Well ID:** NA	

FARALLON CONSULTING

Log of Boring: F-28

Client:	Prologis
Project:	7220 Central Avenue
Location:	Newark, CA
Farallon PN:	1071-105
Logged By:	Steffany Aguilar
Reviewed By:	Peter Sims

Date/Time Started:	3/2/2023 11:55	**Depth to Water ATD (ft bgs):**	4.5
Date/Time Completed:	3/2/2023 12:15	**Boring Diameter (in):**	NA
Drilling Company:	Cascade Drilling	**Total Boring Depth (ft bgs):**	6.0
Drilling Method:	Hand Auger	**Constructed Well Depth (ft bgs):**	NA
Drilling Equipment:	Hand Auger		
Drilling Operator:	Diego Amador		
Sampler Type:	Hand Auger		
Drive Hammer (lbs):	NA		

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USCS Graphic	Blow Counts	% Recovery	PID (ppmv)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0' - 1.0' SILT with sand (80% fines, 15% fine sand, 5% gravel) organics in soil, loose, moist, brown.	ML							
		1.0' - 6.0' CLAY (95% fines, 5% fine sand) moist, medium plasticity, medium dense, high dry strength, dark brown. Wet at 4.5' bgs	CL			100	0 0 0 0 0 0	F-28	X	▽ GW (ATS) @ 1.7' ▼ GW (ATD) @ 4.5
5										

Well Construction Information

Monument Type:	NA	**Filter Pack:**	NA	**Ground Surface Elevation (ft):**	NA
Casing Diameter (in):	NA	**Surface Seal:**	NA	**Top of Casing Elevation (ft):**	NA
Screen Slot Size (in):	NA	**Annular Seal:**	NA	**Surveyed Location: X:** NA	**Y:** NA
Screened Interval (ft bgs):	NA	**Boring Abandonment:**	Grout - Tremie Pipe	**Unique Well ID:** NA	

ATTACHMENT C
STANDARD OPERATING PROCEDURES

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

STANDARD OPERATING PROCEDURE EQ-01
EQUIPMENT DECONTAMINATION PROCEDURES

PURPOSE AND APPLICATION

The purpose of this standard operating procedure (SOP) is to provide field personnel with the methodology for decontaminating sampling equipment during various field activities. The step-by-step guidelines provided in this SOP are to be followed by the field crew during all site visits, as applicable.

EQUIPMENT AND SUPPLIES/REAGENTS

The following equipment is necessary to properly decontaminate field equipment during various field tasks:

- Rinse water or distilled water.
- Deionized water.
- Liquinox or other phosphate-free detergent.
- Paper towels.
- Labeled squirt bottles.
- Long-handled hard-bristle brushes (for sediment and soil).
- Cotton swabs.
- Plastic sheeting, garbage bags, and aluminum foil (for sediment and soil).
- Core liner caps or plastic wrap and rubber bands (for sediment and soil).
- Extension arm for cleaning core liners (for sediment and soil).
- Plastic 5-gallon bucket.
- U.S. Department of Transportation-approved drum(s) for decontamination water unless other water-handling arrangements have been made. Separate drums are needed for liquid and solid wastes (see Farallon SOP WM-01, Field-Handling of Investigation-Derived Waste). Liquid wastes should not be added to drums containing solid wastes.

Dilute Liquinox with distilled water in a squirt bottle in accordance with the instructions on the Liquinox package, and label the bottle. Fill another squirt bottle with distilled water, and label the bottle.

FIELD EQUIPMENT TO BE DECONTAMINATED AFTER USE

Decontaminate the following field equipment at the conclusion of field work each day, in accordance with the procedures outlined in this SOP:

- Water-level meter.
- Horiba/YSI multiparameter probe.
- Bladder pump.
- Submersible pump.
- Sediment and soil collection and processing equipment.

WATER-LEVEL METER DECONTAMINATION

Decontaminate the water-level meter after measuring the water level at a monitoring well before moving to a new monitoring well, using the following procedures:

- Spray the bottom half of a paper towel with the diluted Liquinox solution, and the upper half with deionized water.
- Grip the measuring tape of the water-level meter with the paper towel in one hand with the Liquinox side down toward the monitoring well casing.
- Begin slowly reeling up the water-level meter while maintaining firm contact between the measuring tape and the paper towel.
- Ensure that no debris or contamination remains on the measuring tape of the water-level meter once it has been reeled up.
- Use a clean new paper towel for each successive decontamination of the measuring tape of the water-level meter.

HORIBA/YSI MULTIPARAMETER PROBE DECONTAMINATION

Decontaminate the Horiba/YSI multiparameter probe at the end of each workday or after sampling a monitoring well with high concentrations of contamination, using the following procedures:

- Remove the multiparameter probe from the flow-through cell, and thoroughly spray each component with deionized water.
- Use a cotton swab to gently clean around each sensor probe, ensuring that all contaminated water and material has been washed away.
- Refill the protective dissolved oxygen and pH probe caps with deionized water, and replace prior to storage.
- Once the multiparameter probe has been adequately cleaned, replace the protective shield, and return the probe to the case. If the device appears to be overly wet, allow it to air-dry with the case open.

- Do not use Liquinox to clean any probes on the Horiba multiparameter probe, as it may damage the device.

BLADDER PUMP DECONTAMINATION

Decontaminate the bladder pump after sampling a well and at the end of each workday, using the following procedures:

- After extracting the bladder pump from the well, break down the pump, remove and dispose of the used bladder, and spray each component with the diluted Liquinox solution, followed by deionized water.
- Wipe away any visible contamination or debris with a paper towel.
- Capture cleaning water in a liquid waste drum for proper disposal in accordance with Farallon SOP WM-01, Field-Handling of Investigation-Derived Waste.
- Ensure that all contamination and Liquinox solution is washed off all components before reassembling the device, installing a new bladder, and moving to sample a new well.

SUBMERSIBLE PUMP DECONTAMINATION

Decontaminate the submersible pump after purging water from any well, using the following procedures:

- After extracting the submersible pump from the well, thoroughly spray down the pump with the diluted Liquinox solution, followed by deionized water.
- Wipe away any visible contamination or debris with a paper towel.
- Purge clean water through the pump and tubing to ensure that contaminated water has been cleared from all lines.
- Capture cleaning water in a liquid waste drum for proper disposal in accordance with Farallon SOP WM-01, Field-Handling of Investigation-Derived Waste.

SEDIMENT AND SOIL SAMPLING AND PROCESSING EQUIPMENT DECONTAMINATION

Decontaminate sampling equipment used to collect and process sediment and soil samples, using the following procedures:

- Place contaminated equipment and decontamination tools on plastic sheeting.
- Thoroughly rinse all used equipment with distilled water in a 5-gallon bucket to remove excess sediment or soil.
- Pour one capful of Liquinox solution into a 5-gallon bucket filled with tap water or distilled water.
- Using a long-handled hard-bristle brush, thoroughly scrub the equipment with the Liquinox solution until no sediment or soil particles remain.

- Holding the equipment over a 5-gallon bucket, double-rinse the equipment with distilled water until no Liquinox solution remains. Do not allow clean equipment to come into contact with a contaminated surface.
- Drain the equipment and place it in a clean, dry place to prevent recontamination.
- If decontaminated equipment will not be re-used immediately, wrap stainless steel equipment (e.g., bowls, spoons) in aluminum foil with the dull side facing the equipment. Seal polycarbonate core liners with core caps or cellophane plastic. Rubber-band ends to ensure a proper seal.
- After decontamination has been completed, place disposable items into a garbage bag, and store decontamination water in a drum in accordance with Farallon SOP WM-01, Field-Handling of Investigation-Derived Waste.

STANDARD OPERATING PROCEDURE EQ-02
PHOTOIONIZATION DETECTOR CALIBRATION AND OPERATION

PURPOSE AND APPLICATION

The purpose of this standard operating procedure (SOP) is to provide field personnel with the information needed to properly use, operate, and handle MiniRAE Photoionization Detector (PID) Models 2000 and 3000. The PID is used as a field-screening instrument for measurement of total volatile organic (TVO) concentrations in air. Typical uses include air monitoring of the breathing zone for health and safety purposes, screening of groundwater and soil for TVO emissions, and monitoring of the headspace of a monitoring well. The PID is a highly sensitive instrument. MiniRAE Models 2000 and 3000 have a potential operating range of 0.1 to 15,000 parts per million (ppm) isobutylene equivalents, depending on the lamp used. The detection limit is 0.1 ppm hexane or isobutylene, with a response time of less than 3 seconds.

Operation and maintenance manuals specific to this equipment should be referenced as necessary. Two user manuals are kept in Farallon's PID case: the *MiniRAE 3000 Pocket Reference;* and the *MiniRAE 3000 User's Guide*. These manuals should always be stored in the PID case so they are available for reference.

The step-by-step guidelines provided in this SOP are to be followed by the field crew when monitoring concentrations of TVO compounds in the breathing zone, a soil sample, a water sample, or the headspace of a monitoring well.

EQUIPMENT

The following equipment is necessary to calibrate and operate the PID:

- The PID instrument;
- A calibration gas regulator and silicon tubing;
- Calibration gas containing approximately 100 ppm isobutylene; and
- A 110-volt battery charger.

PID CALIBRATION CHECK

PID calibration should be checked at the beginning of the day, and as needed if drift occurs (see "PID Drift or Other Change" section below). The instructions below are to be followed to check PID calibration (refer to pages 17 and 18 of the *MiniRAE 3000 User's Guide* for information regarding the connection between buttons and control functions):

- Turn on the PID by pressing [MODE]. Wait for the PID to proceed to the default display, and allow the instrument to warm up for 10 minutes in accordance with the manufacturer's instruction. The initial reading should be 0 or 0.1 part per million volume (ppmv).
- Connect the regulator to the gas cylinder, and connect the tubing to the regulator.

- Start the gas flow by pushing in the regulator knob and turning 90 degrees. Some gas will begin to escape.
- Connect the tubing from the regulator to the PID sensor tip. The PID reading should climb to 99 to 101 ppmv.
- When the PID reading reaches the maximum level displayed, turn off the regulator and disconnect the sensor tip. The reading should return to zero.
- If any of the readings predicted above do not occur, re-calibrate the PID or arrange for repair.

PID CALIBRATION

The instructions below are to be followed to perform a zero (fresh air) calibration and a span calibration on the PID (refer to pages 35 through 46 of the MiniRAE 3000 User's Guide for information regarding calibrations):

Zero Calibration (a zero calibration always should be performed prior to a span calibration):

- Turn the unit on by pressing [MODE] for approximately 1 second.
- Press and hold [MODE] and [N/-] simultaneously until you see the Password Screen.
- Input the password:
    - The default password is 0000.
    - Use the [Y/+] to increase the number value from 0 through 9.
    - Use the [N/-] to move the cursor to a different number slot.
    - Press [MODE] once you have input the password.
- Select "Calibration" by using [Y/+].
- Select "Zero Calib" by using [Y/+].
- Apply a fresh air source to the unit. Clean ambient air without detectable contaminants may be used as a fresh air source.
- Press [Y/+] to start the zero calibration. The zero calibration will take approximately 30 seconds to complete.
- The display screen will return to the Calibration menu when the zero calibration is complete.
- Record the values read by the PID in a calibration book or in the Log Field Book.

Once the zero calibration is complete, the unit automatically returns to the Calibration menu.

If the PID does not read 0.0 ppmv following the zero calibration, repeat the zero calibration procedure. If the PID fails both attempts to zero calibrate, move on to span calibration.

SPAN CALIBRATION

- Press [N/-] to scroll down to "Span Calib."
- Press [Y/+] to select "Span Calib."
- Select the proper calibration gas. Ensure that the calibration gas and the span value on the unit's display screen have the same TVO concentration.
- Connect the regulator to the gas cylinder, and connect the tubing to the regulator.
- Press [Y/+] to begin the span calibration.
- Immediately apply the correct calibration gas to the unit's probe by turning the regulator knob 90º in either direction. The span calibration will take approximately 30 seconds.
- The calibrated value should be +/- 2 percent of the concentration indicated on the calibration gas canister. Once the span calibration is complete, the unit will automatically return to the calibration menu.
- If the calibrated value is 2 percent greater than the concentration indicated on the calibration gas canister, repeat the span calibration procedure.
- Press [MODE] twice to navigate back to the main display.
- When calibrating the PID with isobutylene, record values read by the PID in a calibration book or in the Log Field Book.
- If the PID did not initially calibrate using the zero calibration mode, re-attempt to calibrate the PID using fresh air.

If the PID does not calibrate using the span calibration gas, call and update the Project Manager on the status.

PID DRIFT OR OTHER CHANGE

PID drift commonly is a failure of the instrument to return to zero after TVO concentrations dissipate. A failure to return to zero usually reflects inaccuracy at the upper end of the instrument's detection range. Several situations can cause drift, including soil or water in the tip of the probe, soil or water in the sensor filter, or a change such as tightening or loosening the probe tip assembly since the instrument was last calibrated. The degree of drift from the initial daily calibration can be checked by exposing the PID to the calibration gas (see the "PID Calibration" section above). Re-calibration serves little purpose until the cause of the drift is determined.

If you determine that PID drift is occurring, complete the following actions:

- Unscrew the probe from the PID unit;
- Inspect the probe and the top of the unit for soil or moisture;
- Carefully remove any soil or moisture from the probe and/or unit by air drying;

- Replace the sensor filter on the probe with a new, unused sensor filter;
- Screw the probe back on the unit; and
- Apply Span Calibration gas to test the accuracy of the PID unit.

PID OPERATION

The instructions below are to be followed for PID use to screen soil and groundwater for TVO concentrations, to monitor the breathing zone for health and safety purposes, and to monitor monitoring well headspace:

- Connect the PID sample probe with filter to the PID hand-held air monitor.
- Turn on the PID by pressing [MODE]. Wait for the PID to proceed to the default display, and allow the instrument to warm up for 10 minutes in accordance with the manufacturer's instructions.
- **CAUTION!** Do not seal the soil in a plastic bag for longer than 5 minutes when conducting soil screening to avoid false readings due to moisture build-up (in wet situations, use the filter on the end of the sensor tip). Pierce the plastic bag with a clean tool, and immediately insert the sensor tip, quickly establishing a tight seal. The meter should react rapidly. Record the maximum value displayed within 30 seconds.
- To monitor groundwater and soil for TVO emissions, place the probe inlet near the groundwater or soil surface, and read the meter display showing detected concentrations. Do not allow water or soil to be sucked into the instrument.
- To monitor the breathing zone for health and safety purposes, allow the PID to monitor air quality at the breathing zone, chest, or face level, and read the meter display showing detected concentrations.
- Monitor the headspace of a monitoring well directly after the well has been opened. Place the probe inlet directly above the polyvinyl chloride well casing or tubing that is associated with a dedicated pump in the well. Read the meter display showing detected concentrations.
- Ensure that the PID is kept dry while in use. Humidity or moisture from rain can cause large fluctuations in PID readings, and can damage the instrument.
- If the PID displays erratic readings, it is possible that either moisture or dirt is in the probe, or dirt has collected in the filter. If this occurs, clean and dry the sample probe (possibly by placing it near a running heater in a vehicle), and replace the filter if necessary.

DOCUMENTATION

Document the PID measurements for all monitoring events on field forms and in a detailed field notebook, and record observations of varying weather conditions such as temperature and humidity fluctuations.

REFERENCES

PE Photovac Air Monitor/Portable Photoionization Detector Model 2000/3000 Manuals.

RAE Systems. 2010. *MiniRAE 3000 Pocket Reference.* PN: 059-4030-000-D. August.

———. 2010. *MiniRAE 3000 User's Guide.* P/N 059-4020-000. August.

STANDARD OPERATING PROCEDURE GN-01
FIELD NOTE PROCEDURES

PURPOSE AND APPLICATION

The purpose of this standard operating procedure (SOP) is to provide field personnel with the information needed to document site and sampling activities during field work. The step-by-step guidelines provided in this SOP are to be followed by the field personnel during field work.

GENERAL FIELD NOTE INSTRUCTIONS

- Use a blue or black pen.
- Always document time in military time.
- Record your full name and the names of other Farallon employees present. Initials of personnel can be used after the full names have been provided in the field notes.
- Don't leave line spaces between field note entries.
- Keep handwriting neat.
- Be concise.

ITEMS TO INCLUDE IN FIELD NOTES

At Start of Workday:

- Document when and where you started the field day and when you arrived at the site.
- Note any stops along the way to the site.

Upon Arrival at Site:

- Note the reason for the site visit/site work.
- Document the weather on page 1, and throughout the day if the weather changes.
- Document the time personnel arrive at the site and the name of the company/agency they are affiliated with.
- Document the time subcontractors arrive, the tasks they are conducting, and the time they leave the Site.
- Conduct the Health and Safety (H&S) meeting, ensure all participants sign the H&S form, and include the signed H&S form in the field notes.
- Calibrate equipment: document equipment model number/serial number, calibration method, and results. Be specific (e.g., "Calibrated Horiba for pH using 4.0 standard." "Calibrated PID using 100 ppm isobutylene span gas and ambient air as zero gas."). Note whether the instrument is Farallon's or a rental. If using a rental, include in the field notes the calibration sheet that should have come with the equipment. If using two sets of

equipment, note on the field forms which equipment was used for each location. For example, label "Horiba 1" and "Horiba 2" on the groundwater sampling sheets, and document the serial numbers of the instruments in the field notes. Make sure to document the calibration results for Farallon equipment in the Rite-in-the-Rain notebook kept in each field equipment case.

- Document when work starts at a specific task location (e.g., well or boring), and document what equipment Farallon or the subcontractors are using at that location.
- Measure out and record the sample locations (using a rolling wheel, or GPS if available), and mark utilities on a field map if applicable.
- If media samples will be collected, complete the appropriate documentation form, or record the information in the field notes. For example, record field sampling methods (e.g., grab, composite), the type of media (e.g., soil, groundwater, stormwater), the time the sample was collected, sample location and ID, analytical method(s), the laboratory conducting the analysis, the size of the sample container, the number of containers used, and the preservative included in the sample container. If a composite sample is collected, record how many composite points make up the sample, and document where the composite samples were collected.
- If multiple samples are collected using the same methods and the same type of sample containers, simply document that a sample was collected the same as previous samples.
- Document when work is complete at each location.
- If conducting groundwater monitoring, note the condition of monitoring well monuments (e.g., bolts missing, gasket needed).
- Throughout the workday, note any relevant information (e.g., QC-sampling discrepancies, unexpected conditions, abnormal sampling events).

At End of Workday:

- Decontaminate equipment and note the decontamination method (e.g., Alconox and towels).
- Review the field notes, and complete sketches of any relevant features and sample locations if necessary.
- Record whether wastes were generated. If so, record how much was generated, whether the waste was sampled, and where the waste is stored.
- Place an "Analysis Pending" label on drums of waste, and fill out the label completely.
- Complete a drum inventory sheet and note the drum/container sizes and how much waste was accumulated.
- Document when you left the site;

- Document when you returned to the office or when the field day ended.
- Note any additional work performed after returning to the office (e.g., finished field notes, downloaded field photos).

Make sure to include any of the following forms relevant for the type of field work conducted:

- Daily Field Notes
- Health and Safety Meeting form
- Water Level Summary form
- Low Flow Well Purging and Sampling Data form
- Boring and/or test pit logs
- Monitoring Well Construction Data form
- Soil Sample Data form
- SVE Monitoring form
- Any site-specific operation and maintenance or pilot test forms
- Elevation Survey Data form
- Utility Clearance Log
- Waste Inventory Tracking Sheet
- Copy of the laboratory Chain of Custody form for any samples collected
- Copies of subcontractor daily log sheets (e.g., utility locate, drilling)
- Copies of rental equipment calibration sheets
- Near Miss form (if applicable)
- Incident Report form (if applicable)

Assemble all field forms used each day, scan, save to the electronic project Field Notes folder, and give the hard copy of the forms to the Project Manager.

Refer to the Farallon Field Documentation Checklist and the *Doc Reqs by Field Task list.*

STANDARD OPERATING PROCEDURE GW-03
GROUNDWATER LEVEL MEASUREMENT IN MONITORING WELLS

PURPOSE AND APPLICATION

The purpose of this standard operating procedure (SOP) is to provide field personnel with the methodology for measuring and documenting the depth to groundwater in monitoring wells. The step-by-step guidelines provided in this SOP are to be followed by the field crew to ensure consistent and representative measurements of depth to groundwater in monitoring wells. When multiple wells are present at a site, all water-level measurements typically are taken as quickly as possible to aid in the creation of potentiometric surface maps that are representative of a "single" point in time.

EQUIPMENT AND SUPPLIES/REAGENTS

The following equipment is necessary to properly measure the depth to groundwater in monitoring wells:

- Monitoring well key, hand drill, socket set, Allen wrench, speed handle, padlock key, or other monitoring well-access equipment specific to the monitoring well monument cover plate.
- Electronic water-level meter (Solinst or equivalent) narrow enough to fit in the monitoring well, calibrated to 0.01 foot, with sufficient line to reach the bottom of the monitoring well.
- Oil-water interface probe, if light nonaqueous-phase liquid (LNAPL) is known or suspected to be present.
- Disposable bailer if LNAPL is known or suspected to be present, and the Project Manager requests that LNAPL be bailed from the well.
- Tape measure.
- Materials necessary to provide required documentation, including Groundwater Level Measurement Summary Forms and Field Report forms.
- Personal protective equipment as described in the site-specific Health and Safety Plan.
- Decontamination equipment as specified in Farallon SOP EQ-01, Equipment Decontamination Procedures.

DECONTAMINATION

Before arrival at the site, upon relocation at the site, and upon demobilization from the site, decontaminate equipment that will come into contact with groundwater, in accordance with Farallon SOP EQ-01, Equipment Decontamination Procedures.

PROCEDURES

Follow the instructions below for measuring water levels at each monitoring well:

- Don appropriate personal protective equipment as described in the site-specific Health and Safety Plan.
- Check the operation of the water-level meter by turning on the indicator switch and pressing the test button.
- Remove soil or vegetation from the monitoring well site.
- Open the monitoring well-head enclosure, and use a bilge pump or cup to remove standing water inside the monitoring well monument before opening the monitoring well cap. Dispose of standing water to the ground surface.
- Open the monitoring well cap.
- Monitor air quality at the monitoring well-head if volatile contaminants are suspected to be present, or if it is unknown whether volatile contaminants are present.
- Repeat above procedure until all monitoring wells are open.
- Allow the water level to equilibrate with ambient atmospheric pressure for approximately 15 minutes before measuring.
- Before taking any measurements, carefully measure the length of the sonde to the nearest 0.01 foot. The additional 2 to 3 inches from the zero point of the sonde to the tip of the sonde **must be discounted** for **all** total depth measurements.
- Measure and record the depth to water using a water-level meter that has been decontaminated in accordance with Farallon SOP EQ-01, Equipment Decontamination Procedures. With the water-level meter turned on to a medium level of sensitivity, slowly lower the meter into the monitoring well casing until it reaches the groundwater table. The probe will beep when it reaches the interface of the groundwater table (when the electronic circuit is first completed). Stop lowering the probe, hold the graduated water-level cable to the notch or mark on the northern side of the top of the monitoring well casing, and note the length measurement. Repeat this process to collect a second water-level measurement. If the two readings differ by more than 0.01 foot, repeat the measurements until the readings stabilize. Repeat the process until three consecutive stabilized readings have been measured. Record the water-level measurement **only** in relation to the probe being lowered into the monitoring well, *not* as it is raised out of the monitoring well. If you cannot see the top of the monitoring well casing when the water level beeps, grasp the tape with your thumb and index finger exactly at the measuring point corresponding with the notch or mark at the top of the monitoring well casing. Slowly pull the cable out of the monitoring well and read the measurement. Repeat until readings stabilize.
- Remove the cable from the monitoring well, and record the stabilized depth-to-water measurement on the Groundwater Level Measurement Summary Form to the nearest 0.01 foot.

- Measure the total monitoring well depth. **NOTE:** If groundwater samples are to be collected, measure the total monitoring well depth **after** all groundwater samples have been collected, to avoid resuspension of settled solids in the monitoring well, impacting the samples. If the monitoring well does not have a dedicated pump, lower the water-level indicator probe to the bottom of the monitoring well to measure the total depth of the monitoring well. Gently bounce the probe on the monitoring well bottom, and pull the slack in the cord to read the total monitoring well depth. Repeat three times to ensure that the monitoring well depth measurement is reproducible, and is representative of the true depth. Note on the Groundwater Level Measurement Summary Form whether the bottom of the monitoring well is hard or soft.
- Remove the cable from the monitoring well, and record the monitoring well depth measurement on the Groundwater Level Measurement Summary Form to the nearest 0.01 foot.
- Decontaminate the water-level meter in accordance with Farallon SOP EQ-01, Equipment Decontamination Procedures.
- If the presence of LNAPL is suspected or if site conditions are unknown, check for the presence of LNAPL by one of two methods:
    - Use of a bailer: Use a new 3-foot-long disposable bailer attached to a nylon rope. Slowly lower the bailer until the bottom of the bailer is approximately 2 feet below the water surface. Slowly retrieve the bailer, and measure the product thickness using a tape measure. Record the information on the Groundwater Level Measurement Summary Form. Dispose of the bailer and product or wastewater in accordance with Farallon SOP WM-01, Field Handling of Investigation-Derived Waste.
    - Use of an oil-water interface probe: Decontaminate the oil-water interface probe in accordance with Farallon SOP EQ-01, Equipment Decontamination Procedures. With the oil-water interface probe meter turned on to a medium level of sensitivity, slowly lower the probe into the monitoring well casing until it reaches the top of the LNAPL. The probe will have a steady beep when it reaches the interface of the LNAPL (when the electronic circuit is first completed). Stop lowering the probe, hold the graduated oil-water interface cable to the notch or mark on the northern side of the top of the monitoring well casing, and note the length measurement. Repeat this process to collect a second LNAPL measurement. If the two readings differ by more than 0.01 foot, repeat the measurements until the readings stabilize. Repeat the process until three consecutive stabilized readings have been measured. Record the depth to LNAPL measurement **only** in relation to the probe being lowered into the monitoring well, *not* as it is raised out of the monitoring well. If you cannot see the top of the monitoring well casing when the oil-water interface probe beeps, grasp the tape with your thumb and index finger exactly at the measuring point corresponding with the notch or mark at the top of the monitoring well casing. Slowly pull the cable out of the monitoring well and read the

measurement. Repeat until readings stabilize. Once the depth to LNAPL has been recorded, collect the water-level measurement as described above using the oil-water interface probe. Once the depth to LNAPL and the depth to the groundwater table have been determined, subtract the depth to LNAPL from the depth to the groundwater table to determine LNAPL thickness.

- Close the monitoring well as appropriate based on monitoring well-head construction. Record any concerns about monitoring well integrity on the Groundwater Level Measurement Summary Form and on the Field Report form.

DOCUMENTATION

Document monitoring well water-level measurements on the Groundwater Level Measurement Summary Form. Document any additional information on the Field Report form.

REFERENCE

U.S. Environmental Protection Agency. 1992. *RCRA Ground-Water Monitoring: Draft Technical Guidance.* Office of Solid Waste. November.

STANDARD OPERATING PROCEDURE GW-04
LOW-FLOW GROUNDWATER SAMPLING PROCEDURES

PURPOSE AND APPLICATION

The purpose of this standard operating procedure (SOP) is to provide field personnel with the methodology for collecting and documenting groundwater samples from monitoring wells using U.S. Environmental Protection Agency (EPA) low-flow groundwater sampling procedures (EPA 1996, 2017) for chemical analysis to ensure consistent and representative sampling. The step-by-step guidelines provided in this SOP are to be followed by the field crew conducting groundwater sampling.

EQUIPMENT AND SUPPLIES/REAGENTS

The following equipment is necessary to properly purge and sample a monitoring well:

- Monitoring well key, hand drill, socket set, padlock key, or other monitoring well-access equipment.
- Electronic water-level meter long enough to reach the bottom of the monitoring well, calibrated to 0.01 foot. Alternatively, to measure for light nonaqueous-phase liquid thickness in addition to groundwater, use an oil-water interface probe.
- Monitoring well purging and sampling equipment:
    - Submersible pump (bladder or Grundfos): the pump, control box, and power source (typically a portable generator or a 12-volt battery); or
    - Peristaltic pump: the pump with pump head, silicone tubing, tubing connectors (as needed), and power source (typically a 12-volt battery).
- Sample tubing of project- and site-specific type and length.
- Bailer, if a pump is not used, or if light nonaqueous-phase liquid requires removal.
- Sufficient number of 55-gallon drums, including lids, gaskets, and fasteners, to contain all purge water, unless other water-handling arrangements have been made.
- Flow-through water-quality meter(s) to measure temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential (ORP), and turbidity.
- Air-space monitoring equipment if required (photoionization detector or multi-gas meter).
- Decontamination equipment and supplies (e.g., buckets, scrub brushes, deionized or distilled water, potable water, Liquinox detergent).
- Materials necessary to provide required documentation, (e.g., sample labels, Field Report forms, Low-Flow Well Purging and Sampling Data form, Chain of Custody form, Waste Inventory Tracking Sheet).

- Sample containers with the chemical preservatives appropriate for the samples, as described in project-specific plans, or as required by the analytical laboratory at a minimum.
- Personal protective equipment as described in the site-specific Health and Safety Plan (HASP).
- Sampling-support equipment (e.g., sample coolers, ice, bubble wrap, clear tape, duct tape, resealable plastic bags, garbage bags, paper towels, distilled water, nitrile gloves, shipping supplies).
- U.S. Department of Transportation-approved drum(s) for purge water, unless other water-handling arrangements have been made. Separate drums are needed for liquid and solid wastes (Refer to Farallon SOP WM-01, Field Handling of Investigation-Derived Waste). Liquid wastes should not be added to drums containing solid wastes.

DECONTAMINATION

Before arrival at the site, upon relocation at the site, and upon demobilization from the site, decontaminate reusable equipment that will come into contact with the monitoring well(s) and/or be used to acquire samples, in accordance with Farallon SOP EQ-01, Equipment Decontamination Procedures.

PROCEDURES FOR LOW-FLOW GROUNDWATER SAMPLING

Low-flow groundwater sampling procedures have been developed for monitoring wells with a dedicated pump (dedicated monitoring wells) and for monitoring wells without a dedicated pump (non-dedicated monitoring wells). Setup, purging, sample collection, and post-sampling procedures for dedicated and non-dedicated monitoring wells are presented below.

Setup

Setup procedures differ slightly for dedicated versus non-dedicated monitoring wells. Follow the instructions below for the monitoring wells as indicated:

- Calibrate the water-quality meter for the field parameters specified in the project-specific plans. At a minimum, collect temperature, pH, and specific conductivity during purging and prior to sampling. Record on the Field Report form the equipment calibration and maintenance performed. Decontaminate the water-quality meter between monitoring wells by rinsing with distilled or deionized water. Manage the rinsate water used in collecting these measurements in the same manner as for purge water, as defined in project-specific plans, and in accordance with Farallon SOP WM-01, Field Handling of Investigation-Derived Waste.
- Don appropriate personal protective equipment as described in the site-specific HASP, including nitrile gloves for activities that might involve contact with groundwater or equipment. Change gloves between each monitoring well at a minimum, or when

contaminants could be introduced into a monitoring well or onto decontaminated equipment.

- Brush away soil and/or vegetation, and pump standing water away from the monitoring well opening. If necessary, place a plastic drop cloth around the monitoring well-head to prevent sampling equipment from contacting the ground surface.
- Inspect the condition of the monitoring well (e.g., locked monitoring well cap, tightness of monitoring well cap, well-marked measuring point on casing, disturbance of surface casing, straightness of monitoring well casing, condition of concrete pad). Indicate the monitoring well condition on the Low-Flow Well Purging and Sampling Data form.
- Open the monitoring well cap. If the site-specific HASP identifies organic compounds as potential contaminants of concern, screen the monitoring well headspace and the breathing zone headspace (if specified in the HASP) for organic vapors using the appropriate field monitoring instrument (e.g., photoionization detector, multi-gas meter).
- Measure and record the depth to water using a decontaminated water-level meter in accordance with Farallon SOP GW-03, Groundwater Level Measurements in Monitoring Wells.
- If light nonaqueous-phase liquid may be present (see site-specific plans), obtain a sample from the monitoring well using a bailer (if a dedicated pump is not in use), as specified in Farallon SOP GW-03, Groundwater Level Measurements in Monitoring Wells. Alternatively, measure free-floating product thickness using an oil-water interface probe.
- Calculate the monitoring well casing volume as follows:

  Monitoring well casing volume in gallons = $(\pi * r^2) * h$(7.48 gallons/cubic foot)

  Where:

  r = radius of the inside of the monitoring well casing in feet

  h = length of the water column in the monitoring well casing (i.e., the depth to the bottom of the monitoring well minus the depth to water, both measured from the mark at the top of the monitoring well casing), in feet

- **For monitoring wells with dedicated pumps and tubing**: Set up a flow-through cell in preparation for purging. Connect dedicated tubing from the monitoring well to the flow-through cell. Set tubing and/or pump to the correct water depth in accordance with the constituents being sampled for, as described in project-specific plans. **DO NOT IMMERSE water-quality probes or meters in purge water containing nonaqueous-phase liquids, which could damage the probes.** Turn the pump controller to its lowest setting, set the memory in the flow-through cell to record readings every 3 minutes, and turn on the pump. Begin purging slowly (i.e., less than 500 milliliters per minute [ml/min]) to prevent drawing down the water table.

- **For monitoring wells with non-dedicated pumps**: Connect dedicated silicon tubing to the peristaltic pump. Place the tubing intake at the midpoint of the screen, or at the depth pre-determined in the project-specific plans. If using a bladder pump, insert the bladder pump and attach the dedicated polyethylene tubing so the pump intake is at the approximate midpoint of the screened interval, or set the pump intake to the depth pre-determined in the project-specific plans.

Purging Procedures

The purging instructions below are to be followed for dedicated and non-dedicated monitoring wells:

- Begin purging, and initiate water-quality testing for temperature, pH, specific conductivity, dissolved oxygen, ORP, and turbidity. Purge monitoring wells using a peristaltic or bladder pump, and dedicated polyethylene and silicon tubing. Record water-quality parameters every 3 minutes.
- Record water levels every 3 minutes, as possible. It is imperative that the water level not drop by more than 0.33 foot during the low-flow purging process. If the water level drops more than 0.33 foot during purging, reduce the flow rate on the pump. Recommended purge rates generally are less than 500 ml/min. Actual purge rates will vary based on aquifer material and monitoring well construction. If the water level continues to drop by more than 0.33 foot during the low-flow purging at a rate less than 100 ml/min, notify and consult with the Project Manager on how to proceed.
- Record flow rates every 3 minutes. Ensure that the flow rate does not exceed 500 ml/min during the low-flow purging process.

Purging Requirements

Continue purging at a constant rate until the water-quality parameters have stabilized for three successive measurements according to the stability criteria provided in the table below. Before samples can be collected from each monitoring well, the groundwater must stabilize according to following criteria:

- Drawdown is no greater than 0.33 foot for low-flow sampling, and
- The water-quality parameters should stabilize according to the criteria specified below:

Water-Quality Parameter	Stability Criterion
Turbidity (if required)	10% for values greater than 5 NTU or three consecutive values < 5 NTU
Dissolved oxygen	10% for values greater than 0.5 mg/l, or three consecutive values <0.5 mg/l
Specific conductivity	3%
Oxidation-reduction potential	+/- 10 millivolts
pH	+/- 0.1 unit
Temperature	3%

Notes:
mg/l = milligrams per liter
NTU = nephelometric turbidity unit

Although under some circumstances, a monitoring well may not stabilize according to the above criteria, the monitoring well can still be sampled if the monitoring well does not meet stability criteria due to the instrument accuracy, or the water level drops below the minimum value using low-flow sampling procedures. For example, a fluctuation in ORP greater than 10 millivolts does not meet the stability criterion. However, because the accuracy range of the ORP instrument is ±20 millivolt, the stability criterion would be considered satisfied and within the range of instrument accuracy. Consult the manual for the instrument to determine the accuracy range.

Also, if the water level drops below the minimum value using low-flow sampling procedures (i.e., the pump intake, or the top of the screen if the aquifer is confined) during purging and one monitoring well volume of groundwater has been removed from the monitoring well, or the monitoring well runs dry during the purging procedure, sample the monitoring well as soon as the water level has recovered sufficiently to allow collection of the volume of groundwater necessary for all samples. Use the following equation to determine the minimum volume of groundwater to remove before sampling:

Minimum purge volume = 2*[500 milliliters + M*(length of tubing in feet)]

Where: M = volume (in milliliters) contained in a 1-foot length of tubing

The value of M is provided below for the inner diameters of tubing listed:

Inner Diameter (inches)	M (milliliters)
0.125	2.4
0.25	9.7
0.5	39

Record on the Field Report form and the Low-Flow Well Purging and Sampling Data form if any monitoring well did not meet the drawdown and stability criteria and explain the rationale for sampling the monitoring well at the time it was sampled. If stability criteria have not been achieved following completion of all entries in the Low-Flow Well Purging and Sampling Data form, notify

and consult with the Project Manager whether to continue purging until stability criteria have been achieved or begin sample collection.

Sample Collection

During low-flow sampling, do not stop pumping once the purging requirements have been met. Turn down the flow rate on the pump so the water flow is minimal, but maintain sufficient pressure in the system to prevent water from the tubing or flow-through cell from flowing back into the monitoring well. Disconnect the pump discharge hose from the flow-through cell, or cut the tubing just before the connection to the flow-through cell. It is imperative not to lower the water table or disturb the water column. Fill pre-cleaned laboratory-supplied sample containers directly from the pump discharge tube into the proper sample container, and fill to capacity. Place a bucket beneath the sampling tube to catch any unsampled water between filling the sample jars. When collecting groundwater samples for multiple analyses, collect the samples in the order listed below per the EPA (1992) groundwater sampling technical guidance:

- Volatile organic compounds (VOCs);
- Dissolved gases and total organic carbon;
- Semivolatile organic compounds;
- Metals and cyanide;
- Major water quality cations and anions;
- Radionuclides; and
- Dissolved (filtered) inorganics (if required).

When collecting samples for VOCs, adjust the flow rate as low as possible without introducing air bubbles into the system. When filling the VOC containers, hold the cap in hand to minimize contamination, and direct the flow from the pump discharge tubing down the side of the sample container to minimize aeration. Fill all VOC sample containers to the top, ensuring a positive meniscus when the cap is screwed down on the container. Tap the filled VOC container, and invert several times to ensure no air bubbles are present in the sample container. If an air bubble is present, the VOC sample must be recollected using a fresh VOC sample container. If sampling for other analytes, the flow rate may be increased.

If dissolved inorganics are required, attach a new disposable 0.45-micrometer filter cartridge to the discharge line. Collect filtered samples last. Pre-rinse the disposable filter cartridges by running a minimum of 0.25 gallon of groundwater through them (collecting the groundwater into a waste bucket) prior to collecting the samples directly into the sample container. Alternate field filtration methods may be specified in the project-specific plans. Remove the pump and/or tubing from the monitoring well.

Post-Sampling

- Record the depth to water of well to determine whether the water level changed from the original reading.
- Close and lock the monitoring well or tap and record any monitoring well integrity concerns on the Field Report form and the Low-Flow Well Purging and Sampling Data form.
- Transfer purge, wash, and rinse water into a U.S. Department of Transportation-approved drum(s) and label. Separate drums are needed for liquid and solid wastes, in accordance with SOP WM-01, Field Handling of Investigation-Derived Waste. Do not add liquid wastes to drums containing solid wastes.

PROCEDURES FOR RECONNAISSANCE GROUNDWATER SAMPLING

Collect reconnaissance groundwater samples from borings using direct-push or hollow-stem auger drilling methods and 0.75- or 2-inch-inside-diameter temporary monitoring well casing and 0.010-inch slotted screen. In some cases, alternate well casing diameters or screen slot sizes may be appropriate based on the drilling equipment or project-specific requirements. Follow the instructions below for reconnaissance groundwater sample collection:

- Withdraw the drill casing when the desired sampling depth has been reached, so the temporary monitoring well screen is exposed to water-bearing material.
- Insert disposable polyethylene tubing to the approximate midpoint of the temporary monitoring well screen. Attach the appropriate length of pre-cleaned disposable silicon tubing from the polyethylene tubing to connect with the peristaltic or bladder pump.
- Set up the peristaltic or bladder pump in preparation for purging. Turn the pump to its lowest setting and turn on the pump. Begin purging slowly to prevent drawing down the water table.
- Purge each temporary monitoring well point using a peristaltic or bladder pump until visual turbidity is as low as possible, or until the temporary monitoring well is purged dry of water.
- Purge a minimum of 1 to 2 liters before sample collection, if possible. If the temporary monitoring well is completely dewatered during purging, collect samples when sufficient recharge has occurred to allow filling of the sample containers.
- Slow the pumping rate to less than 500 ml/min to reduce the potential for volatilization of chemicals during sample collection.
- Collect the sample as described above.
- If insufficient groundwater is available to collect a sample using a peristaltic or bladder pump (i.e., the boring pumps dry or cannot maintain a sufficient flow of less than 100 ml/min) or if the depth to groundwater exceeds the maximum practicable limit for sampling using a peristaltic or bladder pump, use a disposable polyethylene bailer lowered

into the monitoring well screen to collect a groundwater sample from the screened interval, if possible.

DOCUMENTATION

Document the monitoring well purging and sampling activities on the Low-Flow Well Purging and Sampling Data form and on the Field Report form. Track samples on a Chain of Custody form. Track waste generated during groundwater sampling on a Waste Inventory Tracking Sheet.

REFERENCES

U.S. Environmental Protection Agency (EPA). 1992. *RCRA Ground-Water Monitoring: Draft Technical Guidance.* Office of Solid Waste. November.

———. 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures.* EPA/540/S-95/504. April.

———. 2017. *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells.* EQASOP-GW4. September.

ATTACHMENT D
FIELD FORMS

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

Project Name: W & J Enterprises

Job Number: 251-230302

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: McCampbell	Site Address: 6792 & 6756 Centeral Ave, Newark, CA	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg, CA	California Global ID No.: T10000013242	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: Yes No	Confluence Log Code: CESC
Phone/ Fax: 925-252-9262	Consultant / PM: Farallon / Peter Simms	Report to: psims@farallonconsulting.com
	Phone / Fax: 949-338-8317	Invoice to: Farallon

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Requested Analysis: DRO & ORO w/ & w/o SGC (8015)	Requested Analysis: TDS	Requested Analysis: PAHs (8270SIM)	Notes and Comments
	MW-3	1025	3/2/23		X			6	6					X	X	X	
	MW-4	1105	3/2/23		X			6	6					X	X	X	
	MW-6	1140	3/2/23		X			6	6					X	X	X	
	MW-7	1250	3/2/23		X			6	6					X	X	X	
	MW-8	1330	3/2/23		X			6	6					X	X	X	
	MW-5	1410	3/2/23		X			6	6					X	X	X	

Sampler's Name: Z. STERMER	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Confluence Environmental	3/2 CEI	3/2/23	1730		3/2/23	1730
Shipment Date: 3/2/23						
Shipment Method:						

Special Instructions:

1.60 WEA

General COC

MAI Work Order #

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD X | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Dry Weight | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | Detect Summary

Report To: Peter Sims Bill To: Farallon
Company: Farallon Consulting
Email: PSims@farallonconsulting.com
Alt Email: Saguilar@farallonconsulting.com
Project Name: 6756-6792 Central Ave Project #: 1071-105
Project Location: Newark, CA PO #
Sampler Signature: [signature]

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	TPH	VOCs	Metals Title 22	DRO w/ silica gel #8015B	DRO w/o silica gel #8015B	ORO w/ silica gel #8015B	ORO w/o silica gel #8015B	PAHs #8270C/SIM	TDS SM #2540C
1DW-03022023	3/2/23	14:00	1	Soil	no	X	X	X						
F-26	↓	12:45	6	GW	NO				X	X	X	X	X	X
F-27	↓	13:00	↓	↓	↓				X	X	X	X	X	X
F-28	↓	13:15	↓	↓	↓				X	X	X	X	X	X

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature] Farallon	3/2/23	14:30			
[signature] CEI	3/2/23	1730	[signature]	3/2/2023	1730

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 1.3 °C Initials WET

Meter Calibration Log

EQUIPMENT MAKE	EQUIPMENT MODEL	SERIAL NUMBER	DATE	TIME	TEMP OF CALIBRATION STANDARD (°C or °F)	pH STANDARD 4	pH STANDARD 7	pH STANDARD 10	SPECIFIC CONDUCTANCE 1413 µS/cm	ORP SEE BELOW mV	DISSOLVED OXYGEN 100.0 mg/L or %
YSI	PRO PLUS	417	3/2/23	0900	10.5	4.00	7.00	10.00	1413	250.8	100.0

Confluence Environmental, Inc.

ORP Values (degrees in C then value): 5:257.0 10:250.5 15:244.0 20:237.5 25:231.0 30:224.5 35:218.0 40:211.5

Drum Log

Site: W&J Enterprises Newark, CA

Drum(s) Location On Site: Near MW-2

Date		# of drums: full	partial	empty	total	contents (s=soil w=water m=mixed ?=unknown)	labeled (y or n)	label legible (y or n)	tech initial	Notes:
2/27/20	Arrival	13	—	—	13	S	Y	Y	JhS	Soil cuttings from well install
2/28/20	Departure	18	—	—	18	S/W	Y	Y	JhS	
3-5-20	Arrival	18	—	—	18	M	Y	Y	JA	
3-5-20	Departure	18	1	—	19	M	Y	Y	JA	
5-27-20	Arrival	—	—	—	—	—	—	—	DC	
5-27-20	Departure	—	1	—	1	W	Y	Y	DC	
1-13-21	Arrival	—	—	1	1	—	N	N	DC	Empty is rusted trash
1-13-21	Departure	—	1	1	2	W	Y	Y	DC	
4-6-21	Arrival	—	1	1	2	W	Y	Y	TF	Empty is rusted trash
4-6-21	Departure	—	1	1	2	W	Y	Y	TF	
3/2/23	Arrival	1	0	0	1	W	Y	Y	ZS	
3/2/23	Departure	1	1	0	2	W	Y	Y	ZS	
	Arrival									
	Departure									
	Arrival									
	Departure									
	Arrival									
	Departure									

Well Maintenance Inspection Form

Client: Farallon Site: W&J Enterprises Date: 3/2/23

Job #: Technician: ZS Page 1 of 1

Inspection Point	Well Inspected - No Corrective Action Required	Entry Indicates Deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (# missing / # total tabs)	Tabs stripped (# stripped / # total tabs.)	Tabs broken (# broken / # of total tabs)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (Note any repairs made while on site)
MW-1							1 2								
MW-2	X														
MW-3	X														
MW-4	X														
MW-5		X		X	2 2					X	X		X		LID MISSING TOC SMASHED; DEFORMED
MW-6	X														
MW-7	X														
MW-8	X														

Notes:

Repair codes: **rt**=retap/ bolts added or replaced **as**=annular seal repair,

Water Level Measurements

Job Number: 251-230302 Date: 3/2/23 Client: Farallon

Site: W& J Enterprises

Well I.D.	Time	Dia	Depth to NAPL	Thickness of NAPL	Depth to water (DTW)	Total Depth (measured)	Total Depth (historical)	Ref Point TOC/TOB		
MW-1	0930	2			3.37	20.56	20.58	TOC		
MW-2	0910	2			2.91	20.80	20.80	"		
MW-3	0959	2			3.41	20.83	20.80	"		
MW-4	0920	2			2.46	20.60	20.61	"		
MW-5	0940	2			5.25	20.22	20.22	"		
MW-6	0925	2			3.90	20.80	20.80	"		
MW-7	0945	2			2.70	20.54	20.54	"		
MW-8	0950	2			5.01	20.76	20.78	"		

Purging And Sampling Data Sheet

Job#: ZS1-230302	**Sampler:** Z. Stermer	**Client:** Farallon
Well ID: MW3	**Date:** 3/2/23	**Site:** W&J Enterprises
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 3.61	**Total Depth:** 20.88
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: MS	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	

(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _____ X _____ = _____ (Total Purge) 80%=_____

1008 Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or ml / min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
1011	16.7	7.65	3245	26.8	200	0.6	0.71	81.3	3.61	CLEAR/ NOODOR
1014	16.9	7.57	3244	20.6	|	1.2	0.36	84.9	3.65	|
1017	17.0	7.54	3246	16.6	|	1.8	0.17	78.7	3.65	|
1020	17.2	7.52	3241	16.5	|	2.4	0.17	79.1	3.65	|
1023	17.1	7.51	3244	16.1	↓	3.0	0.17	78.6	3.65	↓

Did well dewater? YES (NO)	Total volume removed: 3.0 (gal / (L))	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 3/2/23	Sample time: 1025	DTW at sample: 3.65
Sample ID: MW-3	Lab: McCampbell	Number of bottles: 6
Analysis: See COC		

Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: ZS1-230302	**Sampler:** Z. Stermer	**Client:** Farallon
Well ID: MW-4	**Date:** 3/2/23	**Site:** W&J Enterprises
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 2.46	**Total Depth:** 20.60
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: MS	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	

(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)

1 Volume = _____ X _____ = _____ (Total Purge) 80%=_____

1049 Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL / min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
1052	16.5	7.47	5716	25.7	200	0.6	1.45	85.9	2.51	CLEAR / NO ODOR
1055	16.7	7.38	5730	19.4	↓	1.2	1.15	82.8	2.61	↓
1058	17.1	7.43	5711	18.9		1.8	0.96	77.0	2.70	
1101	17.1	7.44	5709	19.0		2.4	0.94	76.3	2.70	
1104	17.2	7.44	5704	19.4	↓	3.0	0.91	75.1	2.70	↓

Did well dewater? YES (NO)	Total volume removed: 3.0 (gal / (L))	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 3/2/23	Sample time: 1105	DTW at sample: 2.70
Sample ID: MW-4	Lab: McCampbell	Number of bottles: 6
Analysis: See COC		

Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^{+}$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: ZS1-230302	**Sampler:** Z. Stermer	**Client:** Farallon
Well ID: MW-5	**Date:** 3/2/23	**Site:** W&J Enterprises
Well diam: 1/4" 1" (2") 3" 4" 6" Other:		**DTW:** 5.25 **Total Depth:** 20.22
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: MS	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%= _____

1355 Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
1358	18.8	7.23	652	64.7	200	0.6	0.16	-0.8	5.25	CLEAN/ NO ODOR
1401	18.7	7.18	640	34.1	↓	1.2	0.15	-23.2	5.61	↓
1404	18.6	7.18	645	34.7	↓	1.8	0.15	-25.9	5.61	↓
1407	18.6	7.19	649	33.2	↓	2.4	0.15	-26.7	5.61	↓

Did well dewater? YES (NO)	Total volume removed: 2.4 (gal / L)	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 3/2/23	Sample time: 1410	DTW at sample: 5.61
Sample ID: MW-5	Lab: McCampbell	Number of bottles: 6
Analysis: See COC		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: ZS1-230302	**Sampler:** Z. Stermer	**Client:** Farallon
Well ID: MW-6	**Date:** 3/2/23	**Site:** W&J Enterprises
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 3.90	**Total Depth:** 20.80
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: NS	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%=_____

1120 Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
1123	15.0	7.80	3104	22.5	200	0.6	4.11	72.5	4.01	CLEAR/ NO ODOR
1126	15.1	7.77	3103	14.0	|	1.2	4.00	72.7	4.05	|
1129	15.0	7.76	3096	7.24	|	1.8	3.77	73.0	4.05	|
1132	15.3	7.74	3104	6.91	|	2.4	3.76	73.2	4.05	|
1135	15.3	7.73	3109	6.74	↓	3.0	3.74	73.4	4.05	↓

Did well dewater? YES (NO)	Total volume removed: 3.0 (gal / L)	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 3/2/23	Sample time: 1140	DTW at sample: 4.05
Sample ID: MW-6	Lab: McCampbell	Number of bottles: 6
Analysis: See COC		
Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: ZS1-230302	**Sampler:** Z. Stermer	**Client:** Farallon
Well ID: MW-7	**Date:** 3/2/23	**Site:** W&J Enterprises
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 2.70	**Total Depth:** 20.54
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: mS	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius^2 X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%=_____

1230 Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or mL/ min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
1233	16.8	7.91	3019	8.59	200	0.6	0.58	75.9	2.95	CLEAR/ NO ODOR
1236	17.0	7.90	3029	6.11	↓	1.2	0.49	76.1	2.95	↓
1239	17.0	7.85	3035	4.64		1.8	0.36	76.5	2.95	
1242	17.2	7.83	3033	3.89		2.4	0.36	76.3	2.95	
1245	17.2	7.81	3033	3.30	↓	3.0	0.33	76.1	2.95	↓

Did well dewater? YES (NO)	Total volume removed: 3.0 (gal / L)	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 3/2/23	Sample time: 1250	DTW at sample: 2.95
Sample ID: MW-7	Lab: McCampbell	Number of bottles: 6
Analysis: See COC		

Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

Purging And Sampling Data Sheet

Job#: ZS1-230302	**Sampler:** Z. Stermer	**Client:** Farallon
Well ID: MW-8	**Date:** 3/2/23	**Site:** W&J Enterprises
Well diam: 1/4" 1" (2") 3" 4" 6" Other:	**DTW:** 5.01	**Total Depth:** 20.76
Purge equip: ES - diam: Bladder (Peri) Waterra Positive Air Displacement Ext. System		
disp bailer teflon bailer other:	**Tubing:** OD: New (Dedicated) NA	
Purge method: 3-5 Case Volume (Micro/Low-Flow) Extraction Other:		
Pump depth/ intake: MS	**Multipliers:** 1"= 0.04 2"= 0.16 3"= 0.37 4"= 0.65 5"=1.02 6"= 1.47 Radius² X 0.163	
(TD - DTW X Multiplier = 1 Volume	80% Recovery (TD - DTW X 0.20 + DTW)	

1 Volume = _____ X _____ = _____ (Total Purge) 80%= _____

1310 Time	Temp (°C / °F)	pH	Cond (mS / µS)	Turbidity (NTU)	Purge Rate (gal or ml / min)	Volume Removed (gal / L)	DO (mg/l)	ORP (mv)	DTW	Notes
1313	17.1	7.42	7858	13.9	200	0.6	2.30	91.9	5.10	CLEAR/ NO ODOR
1316	18.0	7.37	7992	5.09	"	1.2	1.25	92.3	5.10	"
1319	18.0	7.35	8036	9.14	"	1.8	1.14	92.1	5.10	"
1322	18.1	7.34	8030	4.11	"	2.4	1.15	92.1	5.10	"
1325	18.3	7.34	8029	2.89	"	3.0	1.15	92.0	5.10	"
1328	18.2	7.33	8031	3.07	"	3.6	1.14	92.0	5.10	"

Did well dewater? YES (NO)	Total volume removed: 3.6 (gal / (L))	
Sample method: Disp Bailer (Ded. Tubing) New Tubing Ext. Port Other:		
Sample date: 3/2/23	Sample time: 1330	DTW at sample: 5.10
Sample ID: MW-8	Lab: McCampbell	Number of bottles: 6
Analysis: See COC		

Equipment blank ID @	Field blank ID @	
Duplicate ID:	Pre-purge DO:	Post purge DO:
$Fe2^+$:	Pre-purge ORP:	Post purge ORP:
NAPL depth:	Volume of NAPL:	Volume removed: ml

ATTACHMENT E
LABORATORY ANALYTICAL REPORTS

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder:	2303185	**Amended:**	05/24/2023
		Revision:	3
Report Created for:	Farallon Consulting		
	330 Franklin Street, Ste. 200 Oakland, CA 94607		
Project Contact:	Peter Sims		
Project P.O.:			
Project:	251-230302; W&J Enterprises		
Project Received:	03/02/2023		

Analytical Report reviewed & approved for release on 03/09/2023 by:

Christine Askari
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Revision History

Client: Farallon Consulting **WorkOrder:** 2303185

Project: 251-230302; W&J Enterprises

Date	Revision	Reason
03/16/2023	1	Revised to report down to the MDL for PNAs and TPH DMO.
05/17/2023	2	Revised to update the TPH Diesel Range for with and without silica gel cleanup (water) per client email.
05/23/2023	3	Revised to report both Diesel ranges (C10-C24) and (C10-28) for TPH with and without silica gel. Fuel finger print also included.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Farallon Consulting **WorkOrder:** 2303185

Project: 251-230302; W&J Enterprises

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Farallon Consulting **WorkOrder:** 2303185

Project: 251-230302; W&J Enterprises

TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
c2	Surrogate recovery outside of the control limits due to suspected matrix interference.
j1	See attached narrative

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Case Narrative

Client: Farallon Consulting
Project: 251-230302; W&J Enterprises

Work Order: 2303185
March 09, 2023

j1:

Total Extractable Petroleum Hydrocarbons- Diesel, Motor Oil

Samples 2303185-003A, -004A, -00B, -005A, -005B, -006A were analyzed on an instrument sequence with a passing closing continuing calibration verification (CCV) that was analyzed outside of the method recommendation of a 12-hour time frame due to tower error that stopped the sequence prior to its completion. The CCV recoveries were within control limits both before and after the tower error; therefore, there is no impact to the results. The quality of the data is acceptable and reportable.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	**2303185-001D**	**Water**	**03/02/2023 10:25**	**GC21 03062316.D**	**264841**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acenaphthene	ND		0.0019	0.0047	1	03/06/2023 15:58
Acenaphthylene	**0.0023**	J	0.00087	0.0047	1	03/06/2023 15:58
Anthracene	**0.044**		0.0025	0.0047	1	03/06/2023 15:58
Benzo (a) anthracene	ND		0.011	0.047	1	03/06/2023 15:58
Benzo (a) pyrene	ND		0.0029	0.0047	1	03/06/2023 15:58
Benzo (b) fluoranthene	ND		0.0053	0.019	1	03/06/2023 15:58
Benzo (g,h,i) perylene	ND		0.0048	0.019	1	03/06/2023 15:58
Benzo (k) fluoranthene	ND		0.0049	0.019	1	03/06/2023 15:58
Chrysene	ND		0.0019	0.0047	1	03/06/2023 15:58
Dibenzo (a,h) anthracene	ND		0.0053	0.019	1	03/06/2023 15:58
Fluoranthene	ND		0.0025	0.0094	1	03/06/2023 15:58
Fluorene	ND		0.0027	0.0094	1	03/06/2023 15:58
Indeno (1,2,3-cd) pyrene	ND		0.0068	0.019	1	03/06/2023 15:58
1-Methylnaphthalene	ND		0.0023	0.0047	1	03/06/2023 15:58
2-Methylnaphthalene	ND		0.0014	0.0047	1	03/06/2023 15:58
Naphthalene	ND		0.011	0.047	1	03/06/2023 15:58
Phenanthrene	ND		0.0024	0.0047	1	03/06/2023 15:58
Pyrene	ND		0.0018	0.0047	1	03/06/2023 15:58

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorobiphenyl	69		63-115	03/06/2023 15:58
2-Fluorophenol	16	S	20-103	03/06/2023 15:58

Analyst(s): KVE Analytical Comments: c2

(Cont.)

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	**2303185-002D**	**Water**	**03/02/2023 11:05**	**GC21 03062317.D**	**264841**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acenaphthene	ND		0.0019	0.0047	1	03/06/2023 16:25
Acenaphthylene	ND		0.00088	0.0047	1	03/06/2023 16:25
Anthracene	**0.016**		0.0025	0.0047	1	03/06/2023 16:25
Benzo (a) anthracene	ND		0.011	0.047	1	03/06/2023 16:25
Benzo (a) pyrene	ND		0.0029	0.0047	1	03/06/2023 16:25
Benzo (b) fluoranthene	ND		0.0053	0.019	1	03/06/2023 16:25
Benzo (g,h,i) perylene	ND		0.0048	0.019	1	03/06/2023 16:25
Benzo (k) fluoranthene	ND		0.0049	0.019	1	03/06/2023 16:25
Chrysene	ND		0.0019	0.0047	1	03/06/2023 16:25
Dibenzo (a,h) anthracene	ND		0.0053	0.019	1	03/06/2023 16:25
Fluoranthene	ND		0.0025	0.0094	1	03/06/2023 16:25
Fluorene	ND		0.0027	0.0094	1	03/06/2023 16:25
Indeno (1,2,3-cd) pyrene	ND		0.0068	0.019	1	03/06/2023 16:25
1-Methylnaphthalene	ND		0.0023	0.0047	1	03/06/2023 16:25
2-Methylnaphthalene	ND		0.0014	0.0047	1	03/06/2023 16:25
Naphthalene	**0.029**	J	0.011	0.047	1	03/06/2023 16:25
Phenanthrene	**0.0030**	J	0.0025	0.0047	1	03/06/2023 16:25
Pyrene	**0.0021**	J	0.0018	0.0047	1	03/06/2023 16:25

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorobiphenyl	63		63-115	03/06/2023 16:25
2-Fluorophenol	8	S	20-103	03/06/2023 16:25

Analyst(s): KVE Analytical Comments: c2

(Cont.)

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	2303185-003D	Water	03/02/2023 11:40	GC21 03062318.D	264841

Analytes	Result	MDL	RL	DF	Date Analyzed
Acenaphthene	ND	0.038	0.094	20	03/06/2023 16:52
Acenaphthylene	ND	0.018	0.094	20	03/06/2023 16:52
Anthracene	ND	0.051	0.094	20	03/06/2023 16:52
Benzo (a) anthracene	ND	0.23	0.94	20	03/06/2023 16:52
Benzo (a) pyrene	ND	0.058	0.094	20	03/06/2023 16:52
Benzo (b) fluoranthene	ND	0.11	0.38	20	03/06/2023 16:52
Benzo (g,h,i) perylene	ND	0.096	0.38	20	03/06/2023 16:52
Benzo (k) fluoranthene	ND	0.098	0.38	20	03/06/2023 16:52
Chrysene	ND	0.038	0.094	20	03/06/2023 16:52
Dibenzo (a,h) anthracene	ND	0.11	0.38	20	03/06/2023 16:52
Fluoranthene	ND	0.051	0.19	20	03/06/2023 16:52
Fluorene	ND	0.055	0.19	20	03/06/2023 16:52
Indeno (1,2,3-cd) pyrene	ND	0.14	0.38	20	03/06/2023 16:52
1-Methylnaphthalene	ND	0.045	0.094	20	03/06/2023 16:52
2-Methylnaphthalene	ND	0.028	0.094	20	03/06/2023 16:52
Naphthalene	ND	0.23	0.94	20	03/06/2023 16:52
Phenanthrene	ND	0.049	0.094	20	03/06/2023 16:52
Pyrene	ND	0.036	0.094	20	03/06/2023 16:52

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorobiphenyl	75		63-115	03/06/2023 16:52
2-Fluorophenol	3	S	20-103	03/06/2023 16:52

Analyst(s): KVE Analytical Comments: a3,c1

(Cont.)

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	**2303185-004D**	**Water**	**03/02/2023 12:50**	**GC21 03062319.D**	**264841**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acenaphthene	ND		0.019	0.047	10	03/06/2023 17:19
Acenaphthylene	ND		0.0087	0.047	10	03/06/2023 17:19
Anthracene	**0.029**	J	0.025	0.047	10	03/06/2023 17:19
Benzo (a) anthracene	ND		0.11	0.47	10	03/06/2023 17:19
Benzo (a) pyrene	ND		0.029	0.047	10	03/06/2023 17:19
Benzo (b) fluoranthene	ND		0.053	0.19	10	03/06/2023 17:19
Benzo (g,h,i) perylene	ND		0.048	0.19	10	03/06/2023 17:19
Benzo (k) fluoranthene	ND		0.049	0.19	10	03/06/2023 17:19
Chrysene	ND		0.019	0.047	10	03/06/2023 17:19
Dibenzo (a,h) anthracene	ND		0.053	0.19	10	03/06/2023 17:19
Fluoranthene	ND		0.025	0.094	10	03/06/2023 17:19
Fluorene	ND		0.027	0.094	10	03/06/2023 17:19
Indeno (1,2,3-cd) pyrene	ND		0.068	0.19	10	03/06/2023 17:19
1-Methylnaphthalene	ND		0.023	0.047	10	03/06/2023 17:19
2-Methylnaphthalene	ND		0.014	0.047	10	03/06/2023 17:19
Naphthalene	ND		0.11	0.47	10	03/06/2023 17:19
Phenanthrene	ND		0.024	0.047	10	03/06/2023 17:19
Pyrene	ND		0.018	0.047	10	03/06/2023 17:19

Surrogates	REC (%)	Limits	
2-Fluorobiphenyl	72	63-115	03/06/2023 17:19
2-Fluorophenol	30	20-103	03/06/2023 17:19

Analyst(s): KVE Analytical Comments: a3

(Cont.)

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	**2303185-005D**	**Water**	**03/02/2023 13:30**	**GC21 03062320.D**	**264841**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acenaphthene	ND		0.0095	0.024	5	03/06/2023 17:46
Acenaphthylene	ND		0.0044	0.024	5	03/06/2023 17:46
Anthracene	**0.15**		0.013	0.024	5	03/06/2023 17:46
Benzo (a) anthracene	ND		0.057	0.24	5	03/06/2023 17:46
Benzo (a) pyrene	**0.026**		0.015	0.024	5	03/06/2023 17:46
Benzo (b) fluoranthene	**0.029**	J	0.026	0.095	5	03/06/2023 17:46
Benzo (g,h,i) perylene	ND		0.024	0.095	5	03/06/2023 17:46
Benzo (k) fluoranthene	ND		0.025	0.095	5	03/06/2023 17:46
Chrysene	**0.011**	J	0.0095	0.024	5	03/06/2023 17:46
Dibenzo (a,h) anthracene	ND		0.026	0.095	5	03/06/2023 17:46
Fluoranthene	**0.020**	J	0.013	0.047	5	03/06/2023 17:46
Fluorene	ND		0.014	0.047	5	03/06/2023 17:46
Indeno (1,2,3-cd) pyrene	ND		0.034	0.095	5	03/06/2023 17:46
1-Methylnaphthalene	ND		0.011	0.024	5	03/06/2023 17:46
2-Methylnaphthalene	ND		0.0071	0.024	5	03/06/2023 17:46
Naphthalene	ND		0.057	0.24	5	03/06/2023 17:46
Phenanthrene	ND		0.012	0.024	5	03/06/2023 17:46
Pyrene	**0.017**	J	0.0090	0.024	5	03/06/2023 17:46

Surrogates	REC (%)	Limits	
2-Fluorobiphenyl	67	63-115	03/06/2023 17:46
2-Fluorophenol	28	20-103	03/06/2023 17:46

Analyst(s): KVE Analytical Comments: c1

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5	**2303185-006D**	**Water**	**03/02/2023 14:10**	**GC21 03062321.D**	**264841**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acenaphthene	ND		0.038	0.095	20	03/06/2023 18:13
Acenaphthylene	ND		0.018	0.095	20	03/06/2023 18:13
Anthracene	ND		0.052	0.095	20	03/06/2023 18:13
Benzo (a) anthracene	ND		0.23	0.95	20	03/06/2023 18:13
Benzo (a) pyrene	**0.13**		0.059	0.095	20	03/06/2023 18:13
Benzo (b) fluoranthene	**0.14**	J	0.11	0.38	20	03/06/2023 18:13
Benzo (g,h,i) perylene	ND		0.097	0.38	20	03/06/2023 18:13
Benzo (k) fluoranthene	ND		0.099	0.38	20	03/06/2023 18:13
Chrysene	**0.056**	J	0.038	0.095	20	03/06/2023 18:13
Dibenzo (a,h) anthracene	ND		0.11	0.38	20	03/06/2023 18:13
Fluoranthene	**0.063**	J	0.052	0.19	20	03/06/2023 18:13
Fluorene	ND		0.055	0.19	20	03/06/2023 18:13
Indeno (1,2,3-cd) pyrene	**0.14**	J	0.14	0.38	20	03/06/2023 18:13
1-Methylnaphthalene	ND		0.046	0.095	20	03/06/2023 18:13
2-Methylnaphthalene	ND		0.029	0.095	20	03/06/2023 18:13
Naphthalene	ND		0.23	0.95	20	03/06/2023 18:13
Phenanthrene	ND		0.050	0.095	20	03/06/2023 18:13
Pyrene	**0.062**	J	0.036	0.095	20	03/06/2023 18:13

Surrogates	REC (%)	Limits	
2-Fluorobiphenyl	88	63-115	03/06/2023 18:13
2-Fluorophenol	45	20-103	03/06/2023 18:13

Analyst(s): KVE

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	SM2540 C-1997
Date Prepared:	03/07/2023-03/08/2023	**Analytical Method:**	SM2540 C-1997
Project:	251-230302; W&J Enterprises	**Unit:**	mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	2303185-001C	Water	03/02/2023 10:25	WetChem	265118

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**782**	10.0	1	03/08/2023 10:00

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	2303185-002C	Water	03/02/2023 11:05	WetChem	265189

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**1630**	10.0	1	03/09/2023 13:05

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	2303185-003C	Water	03/02/2023 11:40	WetChem	265189

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**944**	10.0	1	03/09/2023 13:10

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	2303185-004C	Water	03/02/2023 12:50	WetChem	265189

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**842**	10.0	1	03/09/2023 13:20

Analyst(s): JME

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	SM2540 C-1997
Date Prepared:	03/07/2023-03/08/2023	**Analytical Method:**	SM2540 C-1997
Project:	251-230302; W&J Enterprises	**Unit:**	mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	**2303185-005C**	**Water**	**03/02/2023 13:30**	**WetChem**	**265189**

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**1960**	10.0	1	03/09/2023 13:25

Analyst(s): JME

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5	**2303185-006C**	**Water**	**03/02/2023 14:10**	**WetChem**	**265189**

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**160**	10.0	1	03/09/2023 13:30

Analyst(s): JME

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3510C/3630C
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	2303185-001B	Water	03/02/2023 10:25	GC11B 03072357.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/08/2023 03:45
TPH-Diesel (C10-C28)	ND	99	100	1	03/08/2023 03:45
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/08/2023 03:45

Surrogates	REC (%)	Limits	
C9	92	70-130	03/08/2023 03:45

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	2303185-002B	Water	03/02/2023 11:05	GC11B 03072361.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/08/2023 05:02
TPH-Diesel (C10-C28)	ND	99	100	1	03/08/2023 05:02
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/08/2023 05:02

Surrogates	REC (%)	Limits	
C9	92	70-130	03/08/2023 05:02

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	2303185-003B	Water	03/02/2023 11:40	GC11B 03072365.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/08/2023 06:19
TPH-Diesel (C10-C28)	ND	99	100	1	03/08/2023 06:19
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/08/2023 06:19

Surrogates	REC (%)	Limits	
C9	93	70-130	03/08/2023 06:19

Analyst(s): JIS

(Cont.)

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3510C/3630C
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	2303185-004B	Water	03/02/2023 12:50	GC6A 03082318.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/09/2023 00:43
TPH-Diesel (C10-C28)	ND	99	100	1	03/09/2023 00:43
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/09/2023 00:43

Surrogates	REC (%)	Limits	
C9	102	70-130	03/09/2023 00:43

Analyst(s): JIS Analytical Comments: j1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	2303185-005B	Water	03/02/2023 13:30	GC6A 03082322.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/09/2023 02:01
TPH-Diesel (C10-C28)	ND	99	100	1	03/09/2023 02:01
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/09/2023 02:01

Surrogates	REC (%)	Limits	
C9	107	70-130	03/09/2023 02:01

Analyst(s): JIS Analytical Comments: j1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5	2303185-006B	Water	03/02/2023 14:10	GC6A 03092312.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/09/2023 12:24
TPH-Diesel (C10-C28)	**120**	99	100	1	03/09/2023 12:24
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/09/2023 12:24

Surrogates	REC (%)	Limits	
C9	105	70-130	03/09/2023 12:24

Analyst(s): JIS

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3510C
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-3	2303185-001A	Water	03/02/2023 10:25	GC11B 03072359.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/08/2023 04:23
TPH-Diesel (C10-C28)	ND	85	100	1	03/08/2023 04:23
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/08/2023 04:23

Surrogates	REC (%)	Limits	
C9	95	70-130	03/08/2023 04:23

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-4	2303185-002A	Water	03/02/2023 11:05	GC11B 03072363.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/08/2023 05:40
TPH-Diesel (C10-C28)	ND	85	100	1	03/08/2023 05:40
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/08/2023 05:40

Surrogates	REC (%)	Limits	
C9	95	70-130	03/08/2023 05:40

Analyst(s): JIS

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-6	2303185-003A	Water	03/02/2023 11:40	GC6A 03082316.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/09/2023 00:04
TPH-Diesel (C10-C28)	ND	85	100	1	03/09/2023 00:04
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/09/2023 00:04

Surrogates	REC (%)	Limits	
C9	98	70-130	03/09/2023 00:04

Analyst(s): JIS Analytical Comments: j1

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3510C
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	251-230302; W&J Enterprises	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-7	2303185-004A	Water	03/02/2023 12:50	GC6A 03082320.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/09/2023 01:22
TPH-Diesel (C10-C28)	ND	85	100	1	03/09/2023 01:22
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/09/2023 01:22

Surrogates	REC (%)	Limits	
C9	100	70-130	03/09/2023 01:22

Analyst(s): JIS Analytical Comments: j1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-8	2303185-005A	Water	03/02/2023 13:30	GC6A 03082324.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/09/2023 02:40
TPH-Diesel (C10-C28)	ND	85	100	1	03/09/2023 02:40
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/09/2023 02:40

Surrogates	REC (%)	Limits	
C9	102	70-130	03/09/2023 02:40

Analyst(s): JIS Analytical Comments: j1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MW-5	2303185-006A	Water	03/02/2023 14:10	GC6A 03082326.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/09/2023 03:19
TPH-Diesel (C10-C28)	ND	85	100	1	03/09/2023 03:19
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/09/2023 03:19

Surrogates	REC (%)	Limits	
C9	103	70-130	03/09/2023 03:19

Analyst(s): JIS Analytical Comments: j1

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Farallon Consulting	Client Project ID: W&J Enterprises	Date Sampled: 03/02/23
		Date Received: 03/03/23
330 Franklin Street, Ste. 200	Client Contact: Peter Sims	Date Extracted: 03/03/23
Oakland, CA 94607	Client P.O.:	Date Analyzed: 03/09/23

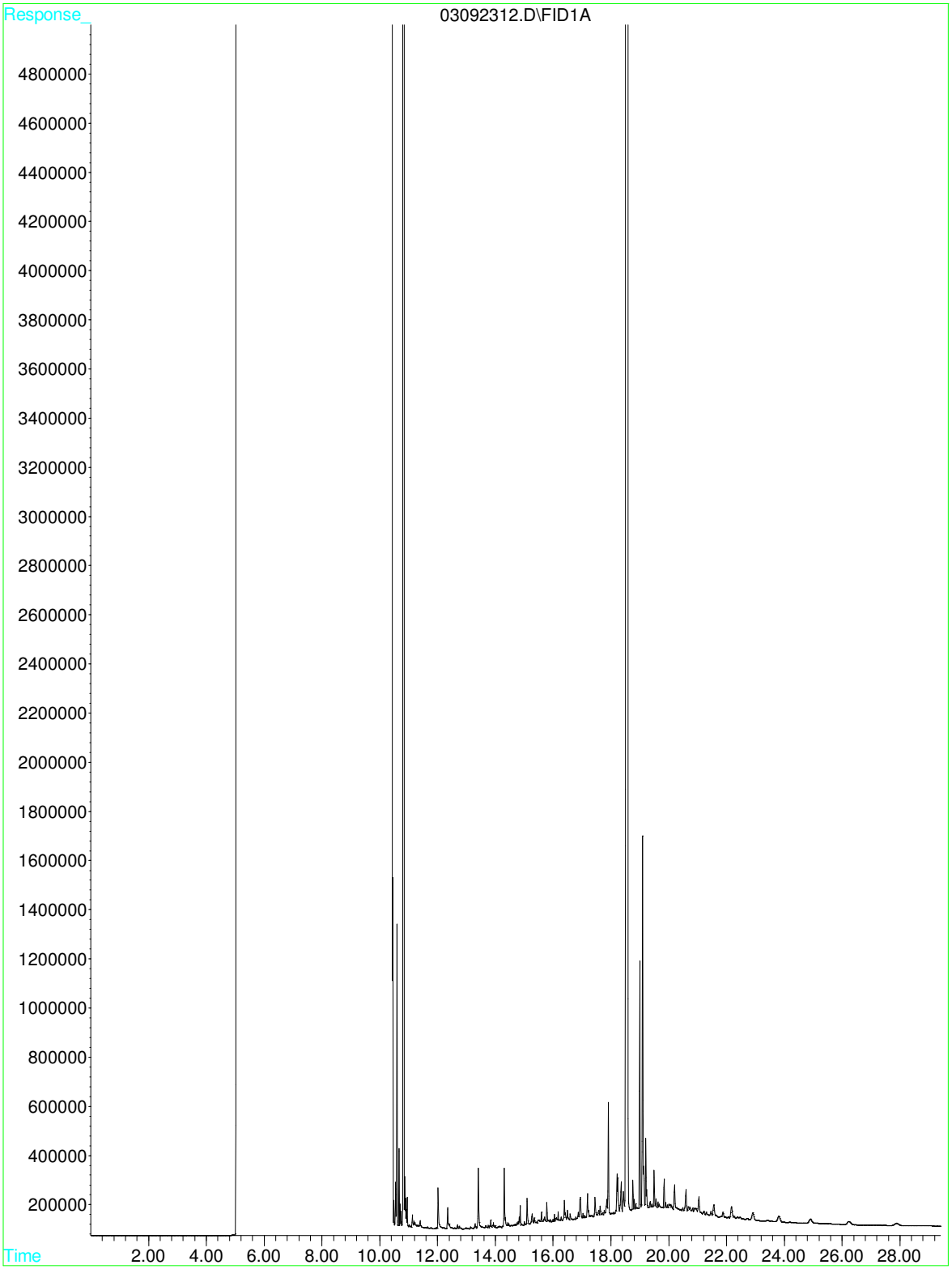
Fuel FingerPrint *

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 2303185

Lab ID	Client ID	Matrix	Fuel Fingerprint
2303185-006B	MW-5	W	This sample has a small pattern within diesel range. Chromatogram enclosed.

NELAP 4033ORELAP TD Analyst's Initial

File : D:\HPCHEM\GC6\DATAA\03092312.D
Operator :
Acquired : 9 Mar 2023 12:24 pm using AcqMethod GC6A_G.M
Instrument : GC-6
Sample Name: 2303185-006B W WSG
Misc Info :
Vial Number: 6



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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Prepared:	03/03/2023	**BatchID:**	264841
Date Analyzed:	03/03/2023	**Extraction Method:**	E625
Instrument:	GC48	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	251-230302; W&J Enterprises	**Sample ID:**	MB/LCS/LCSD-264841

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0020	0.0050	-	-	-
Acenaphthylene	ND	0.00093	0.0050	-	-	-
Anthracene	ND	0.0027	0.0050	-	-	-
Benzo (a) anthracene	ND	0.012	0.050	-	-	-
Benzo (a) pyrene	ND	0.0031	0.0050	-	-	-
Benzo (b) fluoranthene	ND	0.0056	0.020	-	-	-
Benzo (g,h,i) perylene	ND	0.0051	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0052	0.020	-	-	-
Chrysene	ND	0.0020	0.0050	-	-	-
Dibenzo (a,h) anthracene	ND	0.0056	0.020	-	-	-
Fluoranthene	ND	0.0027	0.010	-	-	-
Fluorene	ND	0.0029	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0072	0.020	-	-	-
1-Methylnaphthalene	ND	0.0024	0.0050	-	-	-
2-Methylnaphthalene	0.0016,J	0.0015	0.0050	-	-	-
Naphthalene	ND	0.012	0.050	-	-	-
Pentachlorophenol	ND	0.089	0.25	-	-	-
Phenanthrene	ND	0.0026	0.0050	-	-	-
Pyrene	ND	0.0019	0.0050	-	-	-
Surrogate Recovery						
2-Fluorophenol	2.2			5	45	20-103
Phenol-d5	1.5			5	29	20-120
Nitrobenzene-d5	3.6			5	71	61-130
2-Fluorobiphenyl	3.8			5	77	63-115
2,4,6-Tribromophenol	3.7			5	74	48-149
4-Terphenyl-d14	3.1			5	61	32-113

(Cont.)

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Prepared:	03/03/2023	**BatchID:**	264841
Date Analyzed:	03/03/2023	**Extraction Method:**	E625
Instrument:	GC48	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	251-230302; W&J Enterprises	**Sample ID:**	MB/LCS/LCSD-264841

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.24	0.24	0.25	95	97	60-132	2.51	25
Acenaphthylene	0.20	0.20	0.25	78	81	54-126	3.67	25
Anthracene	0.25	0.27	0.25	102	108	60-130	6.30	25
Benzo (a) anthracene	0.26	0.28	0.25	104	112	60-130	7.20	25
Benzo (a) pyrene	0.26	0.28	0.25	104	114	60-130	8.96	25
Benzo (b) fluoranthene	0.27	0.30	0.25	106	119	60-130	11.6	25
Benzo (g,h,i) perylene	0.26	0.29	0.25	104	115	50-130	10.3	25
Benzo (k) fluoranthene	0.28	0.28	0.25	110	112	60-130	1.10	25
Chrysene	0.25	0.26	0.25	98	106	70-130	7.39	25
Dibenzo (a,h) anthracene	0.27	0.30	0.25	109	120	50-130	9.80	25
Fluoranthene	0.26	0.28	0.25	102	111	65-130	7.95	25
Fluorene	0.23	0.24	0.25	91	95	70-120	4.01	25
Indeno (1,2,3-cd) pyrene	0.27	0.29	0.25	107	118	50-130	9.99	25
1-Methylnaphthalene	0.22	0.23	0.25	86	91	65-130	4.97	25
2-Methylnaphthalene	0.21	0.22	0.25	86	89	60-130	3.76	25
Naphthalene	0.23	0.23	0.25	91	93	70-130	2.12	25
Phenanthrene	0.26	0.28	0.25	103	110	65-120	6.66	25
Pyrene	0.24	0.26	0.25	97	105	70-120	7.00	25
Surrogate Recovery								
2-Fluorophenol	2.1	2.2	5	42	43	20-103	3.00	25
Phenol-d5	1.4	1.5	5	29	30	20-120	5.55	25
Nitrobenzene-d5	3.7	3.8	5	74	77	61-130	4.06	25
2-Fluorobiphenyl	3.9	3.9	5	79	77	63-115	2.06	25
2,4,6-Tribromophenol	4.5	4.9	5	89	97	48-149	8.14	25

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Prepared:	03/07/2023	**BatchID:**	265118
Date Analyzed:	03/08/2023	**Extraction Method:**	SM2540 C-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 C-1997
Matrix:	Water	**Unit:**	mg/L
Project:	251-230302; W&J Enterprises	**Sample ID:**	MB/LCS/LCSD-265118

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	1080	1020	1000	108	102	80-120	5.14	10

(Cont.)

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Prepared:	03/08/2023	**BatchID:**	265189
Date Analyzed:	03/09/2023	**Extraction Method:**	SM2540 C-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 C-1997
Matrix:	Water	**Unit:**	mg/L
Project:	251-230302; W&J Enterprises	**Sample ID:**	MB/LCS/LCSD-265189 2303185-003C

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	1020	1020	1000	102	102	80-120	0.196	10

Analyte	SAMP Result	DUP Result	RPD	RPD Limit
Total Dissolved Solids	944	886	6.34	10

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Prepared:	03/03/2023	**BatchID:**	264876
Date Analyzed:	03/06/2023	**Extraction Method:**	SW3510C/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	251-230302; W&J Enterprises	**Sample ID:**	MB/LCS/LCSD-264876

QC Report for SW8015B w/ Silica Gel Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	73	100	-	-	-
TPH-Diesel (C10-C24)	ND	76	100	-	-	-
TPH-Diesel (C10-C28)	ND	99	100	-	-	-
TPH-Motor Oil (C18-C36)	ND	180	500	-	-	-
Surrogate Recovery						
C9	600			625	97	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1000	1000	1000	102	104	70-130	1.84	20
Surrogate Recovery								
C9	610	600	625	97	96	70-130	0.932	20

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303185
Date Prepared:	03/03/2023	**BatchID:**	264875
Date Analyzed:	03/03/2023	**Extraction Method:**	SW3510C
Instrument:	GC31B	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	251-230302; W&J Enterprises	**Sample ID:**	MB/LCS/LCSD-264875

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	53	100	-	-	-
TPH-Diesel (C10-C24)	ND	49	100	-	-	-
TPH-Diesel (C10-C28)	**110**	85	100	-	-	-
TPH-Motor Oil (C18-C36)	ND	190	500	-	-	-
Surrogate Recovery						
C9	580			625	93	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1100	1100	1000	109	112	70-130	2.39	20
Surrogate Recovery								
C9	570	570	625	92	91	70-130	0.948	20

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2303185 **ClientCode: FCOKC**

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☑ Dry-Weight ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☑ Excel []

Report to:
Peter Sims
Farallon Consulting
330 Franklin Street, Ste. 200
Oakland, CA 94607
(510) 879-6806 FAX:

Email: psims@farallonconsulting.com
cc/3rd Party:
PO:
Project: 251-230302; W&J Enterprises

Bill to:
Accounts Payable
Farallon Consulting
975 5th Avenue Northwest
Issaquah, WA 98027
ap@farallonconsulting.com

Requested TAT: **5 days;**

Date Received: **03/02/2023**
Date Logged: **03/03/2023**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2303185-001	MW-3	Water	3/2/2023 10:25	☐	D	A	C	A	B							
2303185-002	MW-4	Water	3/2/2023 11:05	☐	D	A	C	A	B							
2303185-003	MW-6	Water	3/2/2023 11:40	☐	D	A	C	A	B							
2303185-004	MW-7	Water	3/2/2023 12:50	☐	D	A	C	A	B							
2303185-005	MW-8	Water	3/2/2023 13:30	☐	D	A	C	A	B							
2303185-006	MW-5	Water	3/2/2023 14:10	☐	D	A	C	A	B							

Test Legend:

1	8270_PNA_W	2	PRDisposal Fee	3	TDS_W	4	TPH(DMO)_W
5	TPH(DMO)WSG_W	6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: FARALLON CONSULTING
Client Contact: Peter Sims
Contact's Email: psims@farallonconsulting.com

Project: 251-230302; W&J Enterprises
Comments

Work Order: 2303185
QC Level: LEVEL 2
Date Logged: 3/3/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	MW-3	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 10:25	5 days	3/9/2023	Present	☐	☐
001B	MW-3	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 10:25	5 days	3/9/2023	Present	☐	☐
001C	MW-3	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 10:25	5 days	3/9/2023	Present	☐	☐
001D	MW-3	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 10:25	5 days	3/9/2023	Present	☐	☐
002A	MW-4	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 11:05	5 days	3/9/2023	Present	☐	☐
002B	MW-4	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 11:05	5 days	3/9/2023	Present	☐	☐
002C	MW-4	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 11:05	5 days	3/9/2023	Present	☐	☐
002D	MW-4	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 11:05	5 days	3/9/2023	Present	☐	☐
003A	MW-6	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 11:40	5 days	3/9/2023	Present	☐	☐
003B	MW-6	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 11:40	5 days	3/9/2023	Present	☐	☐
003C	MW-6	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 11:40	5 days	3/9/2023	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

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WORK ORDER SUMMARY

Client Name: FARALLON CONSULTING
Client Contact: Peter Sims
Contact's Email: psims@farallonconsulting.com

Project: 251-230302; W&J Enterprises
Comments

Work Order: 2303185
QC Level: LEVEL 2
Date Logged: 3/3/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
003D	MW-6	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 11:40	5 days	3/9/2023	Present	☐	☐
004A	MW-7	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 12:50	5 days	3/9/2023	Present	☐	☐
004B	MW-7	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 12:50	5 days	3/9/2023	Present	☐	☐
004C	MW-7	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 12:50	5 days	3/9/2023	Present	☐	☐
004D	MW-7	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 12:50	5 days	3/9/2023	Present	☐	☐
005A	MW-8	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 13:30	5 days	3/9/2023	Present	☐	☐
005B	MW-8	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 13:30	5 days	3/9/2023	Present	☐	☐
005C	MW-8	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 13:30	5 days	3/9/2023	Present	☐	☐
005D	MW-8	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 13:30	5 days	3/9/2023	Present	☐	☐
006A	MW-5	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 14:10	5 days	3/9/2023	Present	☐	☐
006B	MW-5	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 14:10	5 days	3/9/2023	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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WORK ORDER SUMMARY

Client Name: FARALLON CONSULTING
Client Contact: Peter Sims
Contact's Email: psims@farallonconsulting.com

Project: 251-230302; W&J Enterprises
Comments

Work Order: 2303185
QC Level: LEVEL 2
Date Logged: 3/3/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
006C	MW-5	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 14:10	5 days	3/9/2023	Present	☐	☐
006D	MW-5	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 14:10	5 days	3/9/2023	Present	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

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230318S

Confluence Environmental, Inc.
3308 El Camino Ave, Suite 300 #148
Sacramento, CA 95821
916-760-7641 - main
916-473-8617 - fax
www.confluence-env.com

Chain of Custody

Project Name: W & J Enterprises

Job Number: 251-230302

TAT: (STANDARD) 5 DAY 2 DAY 24 HOUR OTHER:

Lab: McCampbell	Site Address: 6792 & 6756 Centeral Ave, Newark, CA	Confluence PM: Jason Brown
Address: 1534 Willow Pass Rd, Pittsburg, CA	California Global ID No.: T10000013242	Phone / Fax: 916-760-7641 / 916-473-8617
Contact:	Include EDF w/ Report: Yes No	Confluence Log Code: CESC
Phone/ Fax: 925-252-9262	Consultant / PM: Farallon / Peter Simms	Report to: psims@farallonconsulting.com
	Phone / Fax: 949-338-8317	Invoice to: Farallon

	Sample ID	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: NaOH	Preservative:	Requested Analysis: DRO & ORO w/ & w/o SGC (8015)	Requested Analysis: TDS	Requested Analysis: PAHs (8270SIM)	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Requested Analysis:	Notes and Comments
	MW-3	1025	3/2/23		X			6	6						X	X	X							
	MW-4	1105	3/2/23		X			6	6						X	X	X							
	MW-6	1140	3/2/23		X			6	6						X	X	X							
	MW-7	1250	3/2/23		X			6	6						X	X	X							
	MW-8	1330	3/2/23		X			6	6						X	X	X							
	MW-5	1410	3/2/23		X			6	6						X	X	X							

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Z. STERMER						
Sampler's Company: Confluence Environmental	3/2 CEI	3/2/23	1730		3/2/23	1730
Shipment Date: 3/2/23						
Shipment Method:						

Special Instructions:

1.6C wet

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Farallon Consulting	Date and Time Received:	3/2/2023 17:30
Project:	251-230302; W&J Enterprises	Date Logged:	3/3/2023
		Received by:	Agustina Venegas
WorkOrder №:	2303185 Matrix: Water	Logged by:	Lilly Ortiz
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Sample IDs noted by Client on COC?	Yes	☑	No	☐		
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐		
Sampler's name noted on COC?	Yes	☑	No	☐		
COC agrees with Quote?	Yes	☐	No	☐	NA	☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA	☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA	☑
Shipping container/cooler in good condition?	Yes	☑	No	☐		
Samples in proper containers/bottles?	Yes	☑	No	☐		
Sample containers intact?	Yes	☑	No	☐		
Sufficient sample volume for indicated test?	Yes	☑	No	☐		

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA	☐
Samples Received on Ice?	Yes	☑	No	☐		
(Ice Type: WET ICE)						
Sample/Temp Blank temperature	Temp: 1.6°C				NA	☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA	☑
Sample labels checked for correct preservation?	Yes	☑	No	☐		
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA	☑
UCMR Samples:						
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA	☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA	☑

Comments:

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Analytical Report

WorkOrder:	2303198	**Amended:**	05/24/2023
		Revision:	3
Report Created for:	Farallon Consulting		
	330 Franklin Street, Ste. 200 Oakland, CA 94607		
Project Contact:	Peter Sims		
Project P.O.:			
Project:	1071-105; 6756-6792 Central Ave		
Project Received:	03/02/2023		

Analytical Report reviewed & approved for release on 03/09/2023 by:



Christine Askari

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Revision History

Client: Farallon Consulting **WorkOrder:** 2303198

Project: 1071-105; 6756-6792 Central Ave

Date	Revision	Reason
03/16/2023	1	Revised to report down to the MDL for PNAs and TPH DMO.
05/17/2023	2	Revised to update the TPH Diesel Range for with and without silica gel cleanup (water) per client email.
05/24/2023	3	Revised to report both Diesel ranges (C10-C24) and (C10-28) for TPH with and without silica gel. Fuel finger print also included.

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Glossary of Terms & Qualifier Definitions

Client: Farallon Consulting **WorkOrder:** 2303198

Project: 1071-105; 6756-6792 Central Ave

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit [1]
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit [2]
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

[1] MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016.

[2] RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)

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Glossary of Terms & Qualifier Definitions

Client: Farallon Consulting **WorkOrder:** 2303198

Project: 1071-105; 6756-6792 Central Ave

TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

B	Analyte detected in the associated Method Blank at a concentration greater than 1/10 the reported sample result.
J	Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.
S	Surrogate recovery outside accepted recovery limits.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
b1	Aqueous sample that contains greater than ~1 vol. % sediment
c1	Surrogate recovery outside of the control limits due to the dilution of the sample.
e2	Diesel range compounds are detected; no recognizable pattern
e7	Oil range compounds are detected.
j1	See attached narrative

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Case Narrative

Client: Farallon Consulting
Project: 1071-105; 6756-6792 Central Ave

Work Order: 2303198
March 09, 2023

j1:

Total Extractable Petroleum Hydrocarbons- Diesel, Motor Oil

Samples 2303198-002A, -002B, -003A, -003B were analyzed on an instrument sequence with a passing closing continuing calibration verification (CCV) that was analyzed outside of the method recommendation of a 12-hour time frame due to tower error that stopped the sequence prior to its completion. The CCV recoveries were within control limits both before and after the tower error; therefore, there is no impact to the results. The quality of the data is acceptable and reportable.

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW5030B
Date Prepared:	03/03/2023	**Analytical Method:**	SW8260B
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
IDW-03022023	2303198-001A	Soil	03/02/2023 14:00	GC45 03082327.D	264883

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.20	1	03/09/2023 03:02
tert-Amyl methyl ether (TAME)	ND	0.0050	1	03/09/2023 03:02
Benzene	ND	0.0050	1	03/09/2023 03:02
Bromobenzene	ND	0.0050	1	03/09/2023 03:02
Bromochloromethane	ND	0.0050	1	03/09/2023 03:02
Bromodichloromethane	ND	0.0050	1	03/09/2023 03:02
Bromoform	ND	0.0050	1	03/09/2023 03:02
Bromomethane	ND	0.0050	1	03/09/2023 03:02
2-Butanone (MEK)	ND	0.10	1	03/09/2023 03:02
t-Butyl alcohol (TBA)	ND	0.050	1	03/09/2023 03:02
n-Butyl benzene	ND	0.0050	1	03/09/2023 03:02
sec-Butyl benzene	ND	0.0050	1	03/09/2023 03:02
tert-Butyl benzene	ND	0.0050	1	03/09/2023 03:02
Carbon Disulfide	ND	0.0050	1	03/09/2023 03:02
Carbon Tetrachloride	ND	0.0050	1	03/09/2023 03:02
Chlorobenzene	ND	0.0050	1	03/09/2023 03:02
Chloroethane	ND	0.0050	1	03/09/2023 03:02
Chloroform	ND	0.0050	1	03/09/2023 03:02
Chloromethane	ND	0.0050	1	03/09/2023 03:02
2-Chlorotoluene	ND	0.0050	1	03/09/2023 03:02
4-Chlorotoluene	ND	0.0050	1	03/09/2023 03:02
Dibromochloromethane	ND	0.0050	1	03/09/2023 03:02
1,2-Dibromo-3-chloropropane	ND	0.00050	1	03/09/2023 03:02
1,2-Dibromoethane (EDB)	ND	0.00025	1	03/09/2023 03:02
Dibromomethane	ND	0.0050	1	03/09/2023 03:02
1,2-Dichlorobenzene	ND	0.0050	1	03/09/2023 03:02
1,3-Dichlorobenzene	ND	0.0050	1	03/09/2023 03:02
1,4-Dichlorobenzene	ND	0.0050	1	03/09/2023 03:02
Dichlorodifluoromethane	ND	0.0050	1	03/09/2023 03:02
1,1-Dichloroethane	ND	0.0050	1	03/09/2023 03:02
1,2-Dichloroethane (1,2-DCA)	ND	0.00010	1	03/09/2023 03:02
1,1-Dichloroethene	ND	0.0050	1	03/09/2023 03:02
cis-1,2-Dichloroethene	ND	0.0050	1	03/09/2023 03:02
trans-1,2-Dichloroethene	ND	0.0050	1	03/09/2023 03:02
1,2-Dichloropropane	ND	0.0050	1	03/09/2023 03:02
1,3-Dichloropropane	ND	0.0050	1	03/09/2023 03:02
2,2-Dichloropropane	ND	0.0050	1	03/09/2023 03:02

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW5030B
Date Prepared:	03/03/2023	**Analytical Method:**	SW8260B
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
IDW-03022023	2303198-001A	Soil	03/02/2023 14:00	GC45 03082327.D	264883

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.0050	1	03/09/2023 03:02
cis-1,3-Dichloropropene	ND	0.0050	1	03/09/2023 03:02
trans-1,3-Dichloropropene	ND	0.0050	1	03/09/2023 03:02
Diisopropyl ether (DIPE)	ND	0.0050	1	03/09/2023 03:02
Ethylbenzene	ND	0.0050	1	03/09/2023 03:02
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	03/09/2023 03:02
Freon 113	ND	0.0050	1	03/09/2023 03:02
Hexachlorobutadiene	ND	0.0050	1	03/09/2023 03:02
Hexachloroethane	ND	0.0050	1	03/09/2023 03:02
2-Hexanone	ND	0.0050	1	03/09/2023 03:02
Isopropylbenzene	ND	0.0050	1	03/09/2023 03:02
4-Isopropyl toluene	ND	0.0050	1	03/09/2023 03:02
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	03/09/2023 03:02
Methylene chloride	ND	0.020	1	03/09/2023 03:02
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	03/09/2023 03:02
Naphthalene	ND	0.0050	1	03/09/2023 03:02
n-Propyl benzene	ND	0.0050	1	03/09/2023 03:02
Styrene	ND	0.0050	1	03/09/2023 03:02
1,1,1,2-Tetrachloroethane	ND	0.0050	1	03/09/2023 03:02
1,1,2,2-Tetrachloroethane	ND	0.0050	1	03/09/2023 03:02
Tetrachloroethene	ND	0.0050	1	03/09/2023 03:02
Toluene	ND	0.0050	1	03/09/2023 03:02
1,2,3-Trichlorobenzene	ND	0.0050	1	03/09/2023 03:02
1,2,4-Trichlorobenzene	ND	0.0050	1	03/09/2023 03:02
1,1,1-Trichloroethane	ND	0.0050	1	03/09/2023 03:02
1,1,2-Trichloroethane	ND	0.0050	1	03/09/2023 03:02
Trichloroethene	ND	0.0050	1	03/09/2023 03:02
Trichlorofluoromethane	ND	0.0050	1	03/09/2023 03:02
1,2,3-Trichloropropane	ND	0.00025	1	03/09/2023 03:02
1,2,4-Trimethylbenzene	ND	0.0050	1	03/09/2023 03:02
1,3,5-Trimethylbenzene	ND	0.0050	1	03/09/2023 03:02
Vinyl Chloride	ND	0.00025	1	03/09/2023 03:02
m,p-Xylene	ND	0.0050	1	03/09/2023 03:02
o-Xylene	ND	0.0050	1	03/09/2023 03:02
Xylenes, Total	ND	0.0050	1	03/09/2023 03:02

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW5030B
Date Prepared:	03/03/2023	**Analytical Method:**	SW8260B
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/kg

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
IDW-03022023	2303198-001A	Soil	03/02/2023 14:00	GC45 03082327.D	264883

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	101	70-140		03/09/2023 03:02
Toluene-d8	123	70-140		03/09/2023 03:02
4-BFB	113	70-140		03/09/2023 03:02
Benzene-d6	95	50-140		03/09/2023 03:02
Ethylbenzene-d10	105	50-140		03/09/2023 03:02
1,2-DCB-d4	82	40-140		03/09/2023 03:02

Analyst(s): LT

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-26	2303198-002C	Water	03/02/2023 12:45	GC21 03072309.D	264841

Analytes	Result	MDL	RL	DF	Date Analyzed
Acenaphthene	ND	0.043	0.11	20	03/07/2023 13:39
Acenaphthylene	ND	0.020	0.11	20	03/07/2023 13:39
Anthracene	ND	0.059	0.11	20	03/07/2023 13:39
Benzo (a) anthracene	ND	0.26	1.1	20	03/07/2023 13:39
Benzo (a) pyrene	ND	0.067	0.11	20	03/07/2023 13:39
Benzo (b) fluoranthene	ND	0.12	0.43	20	03/07/2023 13:39
Benzo (g,h,i) perylene	ND	0.11	0.43	20	03/07/2023 13:39
Benzo (k) fluoranthene	ND	0.11	0.43	20	03/07/2023 13:39
Chrysene	ND	0.043	0.11	20	03/07/2023 13:39
Dibenzo (a,h) anthracene	ND	0.12	0.43	20	03/07/2023 13:39
Fluoranthene	ND	0.059	0.22	20	03/07/2023 13:39
Fluorene	ND	0.063	0.22	20	03/07/2023 13:39
Indeno (1,2,3-cd) pyrene	ND	0.16	0.43	20	03/07/2023 13:39
1-Methylnaphthalene	ND	0.052	0.11	20	03/07/2023 13:39
2-Methylnaphthalene	ND	0.033	0.11	20	03/07/2023 13:39
Naphthalene	ND	0.26	1.1	20	03/07/2023 13:39
Phenanthrene	ND	0.056	0.11	20	03/07/2023 13:39
Pyrene	ND	0.041	0.11	20	03/07/2023 13:39

Surrogates	REC (%)	Limits	
2-Fluorobiphenyl	66	63-115	03/07/2023 13:39
2-Fluorophenol	40	20-103	03/07/2023 13:39

Analyst(s): MV Analytical Comments: a3,b1

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-27	2303198-003C	Water	03/02/2023 13:00	GC21 03082313.D	264841

Analytes	Result	MDL	RL	DF	Date Analyzed
Acenaphthene	ND	0.011	0.027	5	03/08/2023 15:55
Acenaphthylene	ND	0.0050	0.027	5	03/08/2023 15:55
Anthracene	ND	0.015	0.027	5	03/08/2023 15:55
Benzo (a) anthracene	ND	0.065	0.27	5	03/08/2023 15:55
Benzo (a) pyrene	ND	0.017	0.027	5	03/08/2023 15:55
Benzo (b) fluoranthene	ND	0.030	0.11	5	03/08/2023 15:55
Benzo (g,h,i) perylene	ND	0.028	0.11	5	03/08/2023 15:55
Benzo (k) fluoranthene	ND	0.028	0.11	5	03/08/2023 15:55
Chrysene	ND	0.011	0.027	5	03/08/2023 15:55
Dibenzo (a,h) anthracene	ND	0.030	0.11	5	03/08/2023 15:55
Fluoranthene	ND	0.015	0.054	5	03/08/2023 15:55
Fluorene	ND	0.016	0.054	5	03/08/2023 15:55
Indeno (1,2,3-cd) pyrene	ND	0.039	0.11	5	03/08/2023 15:55
1-Methylnaphthalene	ND	0.013	0.027	5	03/08/2023 15:55
2-Methylnaphthalene	ND	0.0081	0.027	5	03/08/2023 15:55
Naphthalene	ND	0.065	0.27	5	03/08/2023 15:55
Phenanthrene	ND	0.014	0.027	5	03/08/2023 15:55
Pyrene	ND	0.010	0.027	5	03/08/2023 15:55

Surrogates	REC (%)	Qualifiers	Limits	
2-Fluorobiphenyl	51	S	63-115	03/08/2023 15:55
2-Fluorophenol	25		20-103	03/08/2023 15:55

Analyst(s): MV

Analytical Comments: c1,b1

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	E625
Date Prepared:	03/03/2023	**Analytical Method:**	SW8270C
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	µg/L

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-28	2303198-004C	Water	03/02/2023 13:15	GC21 03082314.D	264841

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Acenaphthene	ND		0.0039	0.0097	2	03/08/2023 16:23
Acenaphthylene	ND		0.0018	0.0097	2	03/08/2023 16:23
Anthracene	**0.0070**	J	0.0052	0.0097	2	03/08/2023 16:23
Benzo (a) anthracene	ND		0.023	0.097	2	03/08/2023 16:23
Benzo (a) pyrene	ND		0.0060	0.0097	2	03/08/2023 16:23
Benzo (b) fluoranthene	ND		0.011	0.039	2	03/08/2023 16:23
Benzo (g,h,i) perylene	ND		0.0099	0.039	2	03/08/2023 16:23
Benzo (k) fluoranthene	ND		0.010	0.039	2	03/08/2023 16:23
Chrysene	ND		0.0039	0.0097	2	03/08/2023 16:23
Dibenzo (a,h) anthracene	ND		0.011	0.039	2	03/08/2023 16:23
Fluoranthene	ND		0.0052	0.019	2	03/08/2023 16:23
Fluorene	ND		0.0056	0.019	2	03/08/2023 16:23
Indeno (1,2,3-cd) pyrene	ND		0.014	0.039	2	03/08/2023 16:23
1-Methylnaphthalene	**0.0054**	J	0.0046	0.0097	2	03/08/2023 16:23
2-Methylnaphthalene	**0.0053**	JB	0.0029	0.0097	2	03/08/2023 16:23
Naphthalene	ND		0.023	0.097	2	03/08/2023 16:23
Phenanthrene	**0.0058**	J	0.0050	0.0097	2	03/08/2023 16:23
Pyrene	ND		0.0037	0.0097	2	03/08/2023 16:23

Surrogates	REC (%)	Limits	
2-Fluorobiphenyl	78	63-115	03/08/2023 16:23
2-Fluorophenol	43	20-103	03/08/2023 16:23

Analyst(s): MV

Analytical Comments: b1

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3050B
Date Prepared:	03/03/2023	**Analytical Method:**	SW6020
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
IDW-03022023	2303198-001A	Soil	03/02/2023 14:00	ICP-MS4 142SMPL.d	264843

Analytes	Result	RL	DF	Date Analyzed
Antimony	**1.1**	0.50	1	03/06/2023 12:33
Arsenic	**33**	0.50	1	03/06/2023 12:33
Barium	**250**	5.0	1	03/06/2023 12:33
Beryllium	ND	0.50	1	03/06/2023 12:33
Cadmium	ND	0.50	1	03/06/2023 12:33
Chromium	**75**	0.50	1	03/06/2023 12:33
Cobalt	**15**	0.50	1	03/06/2023 12:33
Copper	**32**	0.50	1	03/06/2023 12:33
Lead	**25**	0.50	1	03/06/2023 12:33
Mercury	ND	0.050	1	03/06/2023 12:33
Molybdenum	**0.97**	0.50	1	03/06/2023 12:33
Nickel	**85**	0.50	1	03/06/2023 12:33
Selenium	ND	0.50	1	03/06/2023 12:33
Silver	ND	0.50	1	03/06/2023 12:33
Thallium	ND	0.50	1	03/06/2023 12:33
Vanadium	**53**	0.50	1	03/06/2023 12:33
Zinc	**67**	5.0	1	03/06/2023 12:33

Surrogates	REC (%)	Limits	
Terbium	101	70-130	03/06/2023 12:33

Analyst(s): WV

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW5035
Date Prepared:	03/03/2023	**Analytical Method:**	SW8021B/8015Bm
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/Kg

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
IDW-03022023	**2303198-001A**	**Soil**	**03/02/2023 14:00**	**GC7 03042329.D**	**264888**

Analytes	Result	RL	DF	Date Analyzed
TPH(g) (C6-C12)	ND	1.0	1	03/05/2023 00:20
MTBE	---	0.050	1	03/05/2023 00:20
Benzene	---	0.0050	1	03/05/2023 00:20
Toluene	---	0.0050	1	03/05/2023 00:20
Ethylbenzene	---	0.0050	1	03/05/2023 00:20
m,p-Xylene	---	0.010	1	03/05/2023 00:20
o-Xylene	---	0.0050	1	03/05/2023 00:20
Xylenes	---	0.0050	1	03/05/2023 00:20

Surrogates	REC (%)	Limits	
2-Fluorotoluene	76	62-126	03/05/2023 00:20

Analyst(s): IA

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SM2540 C-1997
Date Prepared:	03/08/2023	**Analytical Method:**	SM2540 C-1997
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/L

Total Dissolved Solids

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-26	2303198-002D	Water	03/02/2023 12:45	WetChem	265189

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**1520**	10.0	1	03/09/2023 13:35

Analyst(s): JME Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-27	2303198-003D	Water	03/02/2023 13:00	WetChem	265189

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**11,300**	50.0	5	03/09/2023 13:40

Analyst(s): JME Analytical Comments: b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-28	2303198-004D	Water	03/02/2023 13:15	WetChem	265189

Analytes	Result	RL	DF	Date Analyzed
Total Dissolved Solids	**6130**	50.0	5	03/09/2023 13:45

Analyst(s): JME Analytical Comments: b1

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3510C/3630C
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/ Silica Gel Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-26	2303198-002B	Water	03/02/2023 12:45	GC6A 03082328.D	264876

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	**130**		76	100	1	03/09/2023 03:57
TPH-Diesel (C10-C28)	**240**		99	100	1	03/09/2023 03:57
TPH-Motor Oil (C18-C36)	**430**	J	180	500	1	03/09/2023 03:57

Surrogates	REC (%)	Limits	
C9	99	70-130	03/09/2023 03:57

Analyst(s): JIS Analytical Comments: e2,j1,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-27	2303198-003B	Water	03/02/2023 13:00	GC6A 03082332.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/09/2023 05:15
TPH-Diesel (C10-C28)	ND	99	100	1	03/09/2023 05:15
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/09/2023 05:15

Surrogates	REC (%)	Limits	
C9	98	70-130	03/09/2023 05:15

Analyst(s): JIS Analytical Comments: j1,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-28	2303198-004B	Water	03/02/2023 13:15	GC11B 03082309.D	264876

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	76	100	1	03/08/2023 18:56
TPH-Diesel (C10-C28)	ND	99	100	1	03/08/2023 18:56
TPH-Motor Oil (C18-C36)	ND	180	500	1	03/08/2023 18:56

Surrogates	REC (%)	Limits	
C9	90	70-130	03/08/2023 18:56

Analyst(s): JIS Analytical Comments: b1

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3550B
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
IDW-03022023	**2303198-001A**	**Soil**	**03/02/2023 14:00**	**GC11A 03072346.D**	**264880**

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND		1.2	2.0	1	03/07/2023 23:55
TPH-Motor Oil (C18-C36)	**6.9**	J	5.0	10	1	03/07/2023 23:55

Surrogates	REC (%)	Limits	
C9	87	70-130	03/07/2023 23:55

Analyst(s): JIS

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Analytical Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Received:	03/02/2023 17:30	**Extraction Method:**	SW3510C
Date Prepared:	03/03/2023	**Analytical Method:**	SW8015B
Project:	1071-105; 6756-6792 Central Ave	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-26	2303198-002A	Water	03/02/2023 12:45	GC6A 03082330.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	**200**	49	100	1	03/09/2023 04:36
TPH-Diesel (C10-C28)	**410**	85	100	1	03/09/2023 04:36
TPH-Motor Oil (C18-C36)	**860**	190	500	1	03/09/2023 04:36

Surrogates	REC (%)	Limits	
C9	103	70-130	03/09/2023 04:36

Analyst(s): JIS Analytical Comments: e7,e2,j1,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-27	2303198-003A	Water	03/02/2023 13:00	GC6A 03082334.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	**120**	49	100	1	03/09/2023 05:54
TPH-Diesel (C10-C28)	**140**	85	100	1	03/09/2023 05:54
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/09/2023 05:54

Surrogates	REC (%)	Limits	
C9	107	70-130	03/09/2023 05:54

Analyst(s): JIS Analytical Comments: e2,j1,b1

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
F-28	2303198-004A	Water	03/02/2023 13:15	GC11B 03082311.D	264875

Analytes	Result	MDL	RL	DF	Date Analyzed
TPH-Diesel (C10-C24)	ND	49	100	1	03/08/2023 19:34
TPH-Diesel (C10-C28)	ND	85	100	1	03/08/2023 19:34
TPH-Motor Oil (C18-C36)	ND	190	500	1	03/08/2023 19:34

Surrogates	REC (%)	Limits	
C9	93	70-130	03/08/2023 19:34

Analyst(s): JIS Analytical Comments: b1

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Farallon Consulting 330 Franklin Street, Ste. 200 Oakland, CA 94607	Client Project ID: 6756-6792 Central Ave	Date Sampled: 03/02/23
		Date Received: 03/03/23
	Client Contact: Peter Sims	Date Extracted: 03/03/23
	Client P.O.:	Date Analyzed: 03/09/23

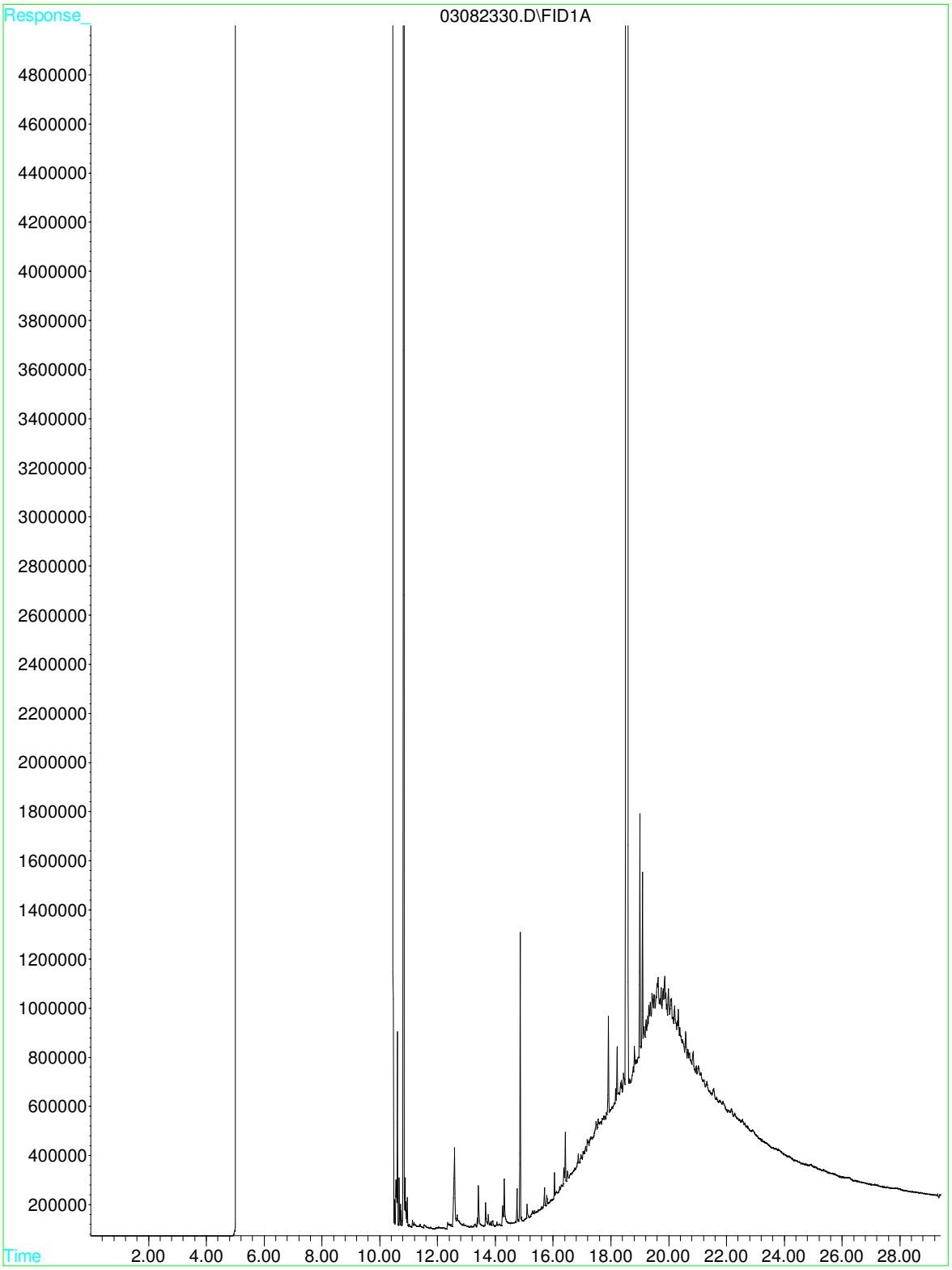
Fuel FingerPrint *

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 2303198

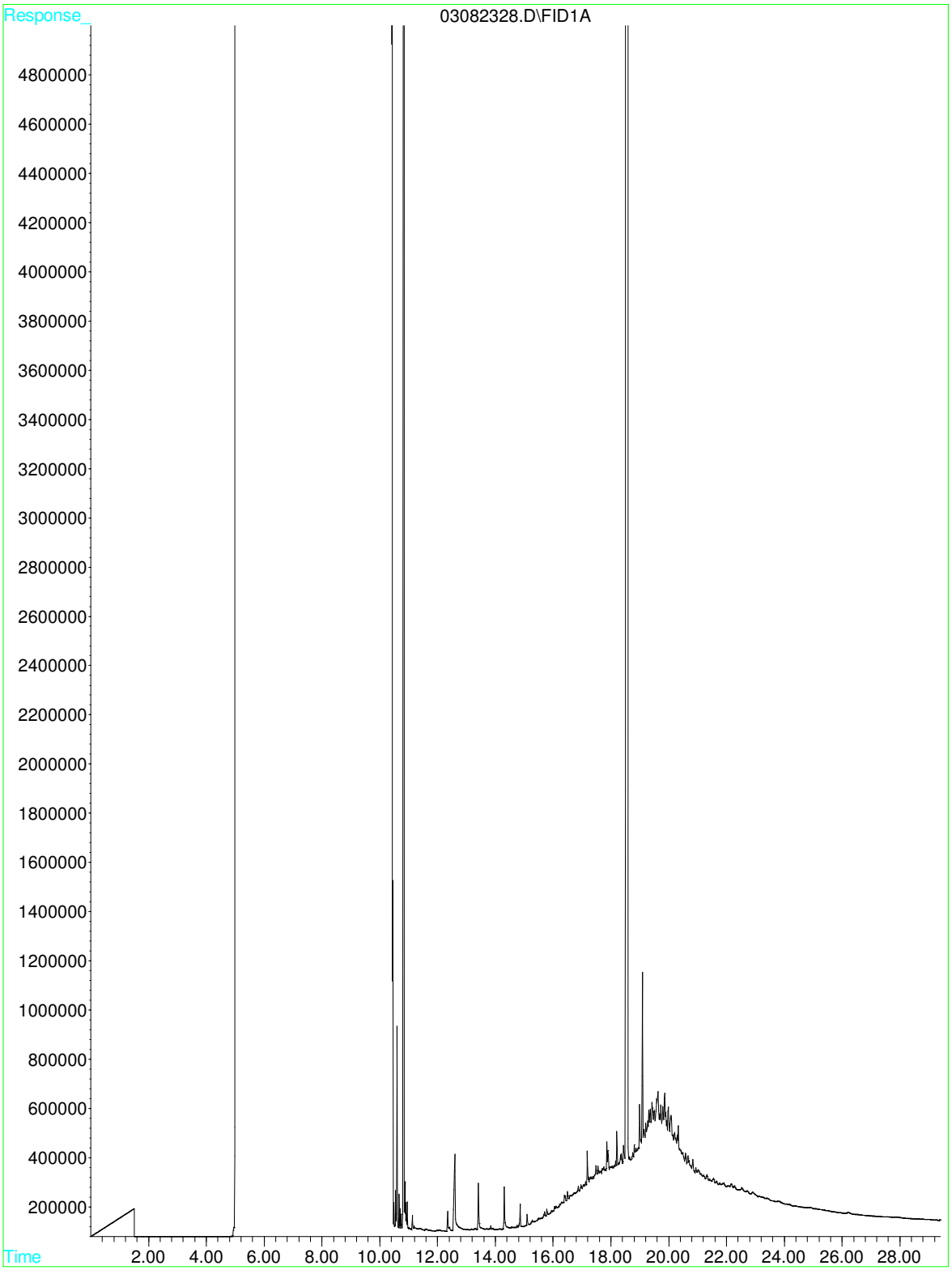
Lab ID	Client ID	Matrix	Fuel Fingerprint
2303198-002A	F-26	W	This sample has two small patterns within the oil and diesel ranges.,b1 Chromatogram enclosed.
2303198-002B	F-26	W	This sample has two small patterns within the oil and diesel ranges.,b1 Chromatogram enclosed.
2303198-003A	F-27	W	This sample has a small pattern within diesel range.,b1 Chromatogram enclosed.

NELAP 4033ORELAP TD Analyst's Initial

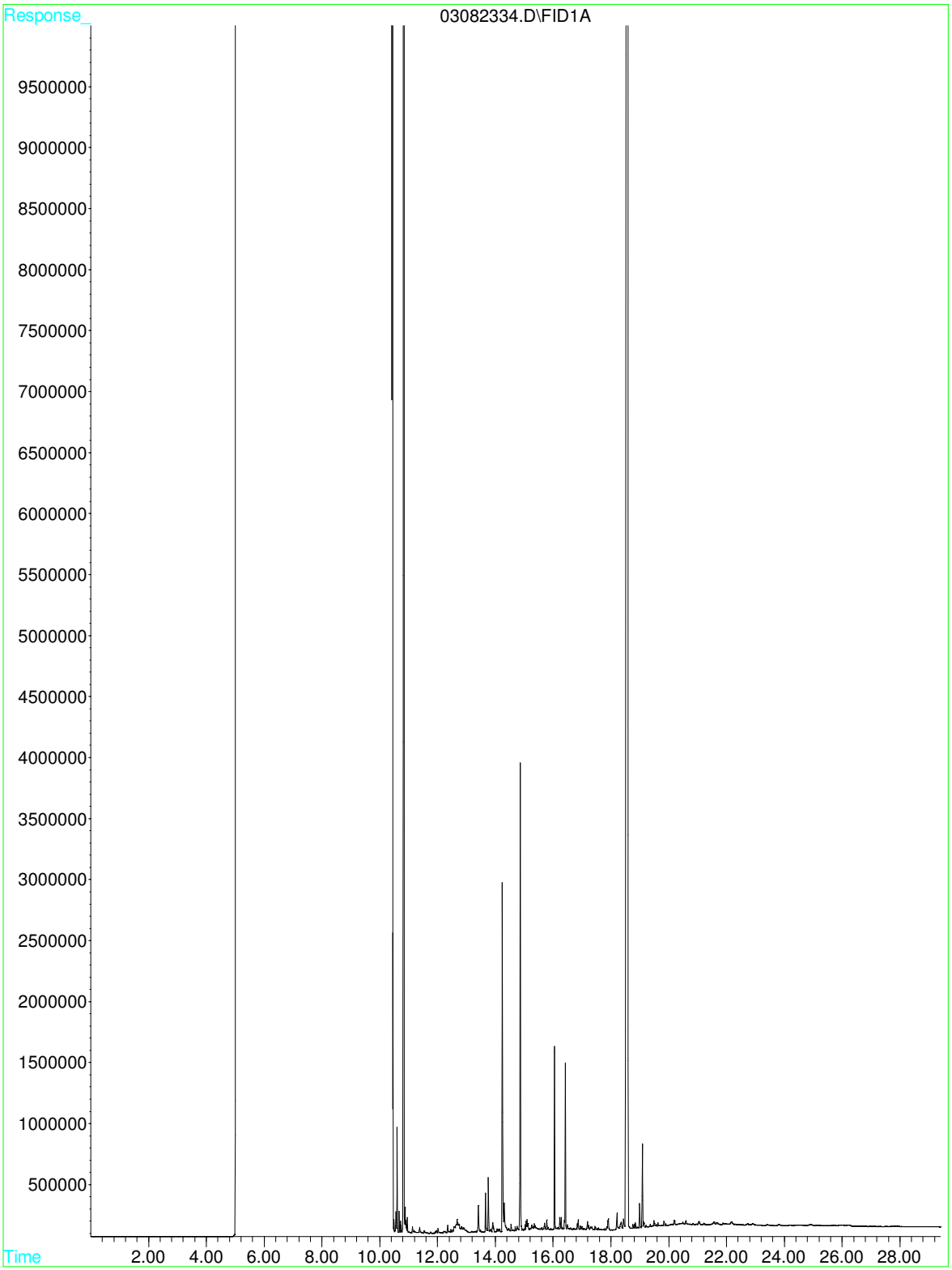
File : D:\HPCHEM\GC6\DATAA\03082330.D
Operator :
Acquired : 9 Mar 2023 4:36 am using AcqMethod GC6A_G.M
Instrument : GC-6
Sample Name: 2303198-002A W
Misc Info : TPH
Vial Number: 15



File : D:\HPCHEM\GC6\DATAA\03082328.D
Operator :
Acquired : 9 Mar 2023 3:57 am using AcqMethod GC6A_G.M
Instrument : GC-6
Sample Name: 2303198-002B W WSG
Misc Info : TPHSG
Vial Number: 14



File : D:\HPCHEM\GC6\DATAA\03082334.D
Operator :
Acquired : 9 Mar 2023 5:54 am using AcqMethod GC6A_G.M
Instrument : GC-6
Sample Name: 2303198-003A W
Misc Info : TPH
Vial Number: 17



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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264883
Date Analyzed:	03/05/2023 - 03/06/2023	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264883

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acetone	ND	0.12	0.20	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0012	0.0050	-	-	-
Benzene	ND	0.00095	0.0050	-	-	-
Bromobenzene	ND	0.0012	0.0050	-	-	-
Bromochloromethane	ND	0.0011	0.0050	-	-	-
Bromodichloromethane	ND	0.00023	0.0050	-	-	-
Bromoform	ND	0.0038	0.0050	-	-	-
Bromomethane	ND	0.0018	0.0050	-	-	-
2-Butanone (MEK)	ND	0.040	0.10	-	-	-
t-Butyl alcohol (TBA)	ND	0.024	0.050	-	-	-
n-Butyl benzene	ND	0.0016	0.0050	-	-	-
sec-Butyl benzene	ND	0.0018	0.0050	-	-	-
tert-Butyl benzene	ND	0.0021	0.0050	-	-	-
Carbon Disulfide	ND	0.0011	0.0050	-	-	-
Carbon Tetrachloride	ND	0.00017	0.0050	-	-	-
Chlorobenzene	ND	0.0012	0.0050	-	-	-
Chloroethane	ND	0.0017	0.0050	-	-	-
Chloroform	ND	0.00032	0.0050	-	-	-
Chloromethane	ND	0.0017	0.0050	-	-	-
2-Chlorotoluene	ND	0.0016	0.0050	-	-	-
4-Chlorotoluene	ND	0.0013	0.0050	-	-	-
Dibromochloromethane	ND	0.00040	0.0050	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.00048	0.00050	-	-	-
1,2-Dibromoethane (EDB)	ND	0.00013	0.00025	-	-	-
Dibromomethane	ND	0.0012	0.0050	-	-	-
1,2-Dichlorobenzene	ND	0.0017	0.0050	-	-	-
1,3-Dichlorobenzene	ND	0.0015	0.0050	-	-	-
1,4-Dichlorobenzene	ND	0.0015	0.0050	-	-	-
Dichlorodifluoromethane	ND	0.00063	0.0050	-	-	-
1,1-Dichloroethane	ND	0.0015	0.0050	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.000070	0.00010	-	-	-
1,1-Dichloroethene	ND	0.00011	0.0050	-	-	-
cis-1,2-Dichloroethene	ND	0.0012	0.0050	-	-	-
trans-1,2-Dichloroethene	ND	0.0012	0.0050	-	-	-
1,2-Dichloropropane	ND	0.0013	0.0050	-	-	-
1,3-Dichloropropane	ND	0.00088	0.0050	-	-	-
2,2-Dichloropropane	ND	0.0019	0.0050	-	-	-
1,1-Dichloropropene	ND	0.0018	0.0050	-	-	-

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264883
Date Analyzed:	03/05/2023 - 03/06/2023	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264883

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
cis-1,3-Dichloropropene	ND	0.00098	0.0050	-	-	-
trans-1,3-Dichloropropene	ND	0.00097	0.0050	-	-	-
Diisopropyl ether (DIPE)	ND	0.0018	0.0050	-	-	-
Ethylbenzene	ND	0.0011	0.0050	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0014	0.0050	-	-	-
Freon 113	ND	0.0011	0.0050	-	-	-
Hexachlorobutadiene	ND	0.0012	0.0050	-	-	-
Hexachloroethane	ND	0.00064	0.0050	-	-	-
2-Hexanone	ND	0.0027	0.0050	-	-	-
Isopropylbenzene	ND	0.0018	0.0050	-	-	-
4-Isopropyl toluene	ND	0.0019	0.0050	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0015	0.0050	-	-	-
Methylene chloride	ND	0.012	0.020	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	0.0017	0.0050	-	-	-
Naphthalene	ND	0.0030	0.0050	-	-	-
n-Propyl benzene	ND	0.0019	0.0050	-	-	-
Styrene	ND	0.0014	0.0050	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.0013	0.0050	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.00044	0.0050	-	-	-
Tetrachloroethene	ND	0.00029	0.0050	-	-	-
Toluene	ND	0.0016	0.0050	-	-	-
1,2,3-Trichlorobenzene	ND	0.0021	0.0050	-	-	-
1,2,4-Trichlorobenzene	ND	0.0016	0.0050	-	-	-
1,1,1-Trichloroethane	ND	0.0016	0.0050	-	-	-
1,1,2-Trichloroethane	ND	0.0012	0.0050	-	-	-
Trichloroethene	ND	0.0014	0.0050	-	-	-
Trichlorofluoromethane	ND	0.0013	0.0050	-	-	-
1,2,3-Trichloropropane	ND	0.00017	0.00025	-	-	-
1,2,4-Trimethylbenzene	ND	0.0016	0.0050	-	-	-
1,3,5-Trimethylbenzene	ND	0.0017	0.0050	-	-	-
Vinyl Chloride	ND	0.00012	0.00025	-	-	-
m,p-Xylene	ND	0.0026	0.0050	-	-	-
o-Xylene	ND	0.0014	0.0050	-	-	-

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264883
Date Analyzed:	03/05/2023 - 03/06/2023	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264883

QC Summary Report for SW8260B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Surrogate Recovery						
Dibromofluoromethane	0.12			0.125	94	70-140
Toluene-d8	0.13			0.125	104	70-140
4-BFB	0.012			0.0125	93	70-140
Benzene-d6	0.095			0.1	95	70-140
Ethylbenzene-d10	0.11			0.1	105	70-140
1,2-DCB-d4	0.081			0.1	81	70-140

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264883
Date Analyzed:	03/05/2023 - 03/06/2023	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264883

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acetone	0.20	0.20	0.20	101	100	60-140	1.14	30
tert-Amyl methyl ether (TAME)	0.014	0.014	0.020	72	71	50-140	1.38	30
Benzene	0.017	0.017	0.020	85	84	60-140	0.748	30
Bromobenzene	0.016	0.016	0.020	79	79	60-140	1.16	30
Bromochloromethane	0.016	0.015	0.020	80	77	60-140	3.75	30
Bromodichloromethane	0.016	0.016	0.020	79	78	60-140	0.950	30
Bromoform	0.012	0.012	0.020	59	61	40-140	3.00	30
Bromomethane	0.022	0.022	0.020	109	108	30-140	0.250	30
2-Butanone (MEK)	0.067	0.068	0.080	83	85	50-140	1.59	30
t-Butyl alcohol (TBA)	0.070	0.067	0.080	87	84	50-140	3.17	30
n-Butyl benzene	0.022	0.022	0.020	111	110	60-150	1.01	30
sec-Butyl benzene	0.023	0.023	0.020	115	113	60-150	2.30	30
tert-Butyl benzene	0.021	0.020	0.020	105	100	60-140	4.82	30
Carbon Disulfide	0.017	0.016	0.020	83	81	50-140	1.42	30
Carbon Tetrachloride	0.018	0.018	0.020	90	90	60-140	0.390	30
Chlorobenzene	0.016	0.016	0.020	79	79	60-140	0.576	30
Chloroethane	0.019	0.020	0.020	97	99	50-140	2.59	30
Chloroform	0.018	0.018	0.020	91	90	60-140	1.01	30
Chloromethane	0.018	0.018	0.020	88	91	20-140	2.94	30
2-Chlorotoluene	0.020	0.019	0.020	98	96	60-140	2.36	30
4-Chlorotoluene	0.018	0.018	0.020	91	90	60-140	1.32	30
Dibromochloromethane	0.016	0.015	0.020	78	77	50-140	1.15	30
1,2-Dibromo-3-chloropropane	0.0072	0.0071	0.010	72	71	30-140	1.65	30
1,2-Dibromoethane (EDB)	0.0077	0.0076	0.010	77	76	40-140	0.558	30
Dibromomethane	0.016	0.015	0.020	79	76	60-140	3.90	30
1,2-Dichlorobenzene	0.014	0.014	0.020	70	70	60-140	0.521	30
1,3-Dichlorobenzene	0.018	0.017	0.020	88	84	60-140	4.65	30
1,4-Dichlorobenzene	0.016	0.015	0.020	79	77	60-140	2.25	30
Dichlorodifluoromethane	0.0095	0.0093	0.020	48	47	10-140	1.97	30
1,1-Dichloroethane	0.017	0.017	0.020	84	84	60-140	0.772	30
1,2-Dichloroethane (1,2-DCA)	0.017	0.017	0.020	84	83	60-140	0.886	30
1,1-Dichloroethene	0.018	0.018	0.020	90	90	60-140	0.502	30
cis-1,2-Dichloroethene	0.016	0.016	0.020	81	80	60-140	0.382	30
trans-1,2-Dichloroethene	0.017	0.017	0.020	84	83	60-140	0.914	30
1,2-Dichloropropane	0.016	0.016	0.020	81	81	60-140	0.780	30
1,3-Dichloropropane	0.017	0.016	0.020	83	81	60-140	2.07	30
2,2-Dichloropropane	0.018	0.018	0.020	90	90	60-140	0.569	30
1,1-Dichloropropene	0.017	0.017	0.020	87	87	60-140	0.225	30

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264883
Date Analyzed:	03/05/2023 - 03/06/2023	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264883

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
cis-1,3-Dichloropropene	0.016	0.016	0.020	81	80	60-140	0.533	30
trans-1,3-Dichloropropene	0.017	0.017	0.020	84	84	60-140	0.546	30
Diisopropyl ether (DIPE)	0.016	0.016	0.020	80	79	60-140	0.781	30
Ethylbenzene	0.018	0.018	0.020	90	89	60-140	0.938	30
Ethyl tert-butyl ether (ETBE)	0.016	0.016	0.020	79	78	60-140	0.485	30
Freon 113	0.015	0.015	0.020	75	75	50-140	0.511	30
Hexachlorobutadiene	0.018	0.018	0.020	91	90	60-140	1.10	30
Hexachloroethane	0.020	0.020	0.020	102	100	60-140	1.29	30
2-Hexanone	0.016	0.016	0.020	82	81	40-140	1.48	30
Isopropylbenzene	0.022	0.021	0.020	109	107	60-140	1.63	30
4-Isopropyl toluene	0.021	0.020	0.020	104	102	60-150	2.42	30
Methyl-t-butyl ether (MTBE)	0.016	0.016	0.020	79	78	50-140	0.964	30
Methylene chloride	0.021	0.020	0.020	103	102	60-140	1.73	30
4-Methyl-2-pentanone (MIBK)	0.015	0.015	0.020	77	75	50-140	2.15	30
Naphthalene	0.0087	0.0085	0.020	44	42	30-140	2.54	30
n-Propyl benzene	0.022	0.022	0.020	109	108	60-140	1.12	30
Styrene	0.015	0.015	0.020	75	74	60-140	1.87	30
1,1,1,2-Tetrachloroethane	0.016	0.016	0.020	79	78	60-140	1.63	30
1,1,2,2-Tetrachloroethane	0.017	0.017	0.020	85	84	40-140	1.96	30
Tetrachloroethene	0.018	0.018	0.020	90	90	60-140	0.327	30
Toluene	0.017	0.017	0.020	86	85	60-140	1.05	30
1,2,3-Trichlorobenzene	0.010	0.010	0.020	50	51	40-140	1.62	30
1,2,4-Trichlorobenzene	0.011	0.011	0.020	57	57	50-140	0.151	30
1,1,1-Trichloroethane	0.017	0.017	0.020	86	85	60-140	1.15	30
1,1,2-Trichloroethane	0.016	0.015	0.020	78	77	60-140	1.19	30
Trichloroethene	0.016	0.016	0.020	81	81	60-140	0.230	30
Trichlorofluoromethane	0.016	0.016	0.020	81	81	50-140	0.627	30
1,2,3-Trichloropropane	0.0086	0.0085	0.010	86	85	60-130	1.70	30
1,2,4-Trimethylbenzene	0.019	0.019	0.020	96	94	30-140	2.01	30
1,3,5-Trimethylbenzene	0.020	0.020	0.020	101	99	60-140	1.68	30
Vinyl Chloride	0.0093	0.0094	0.010	93	94	30-140	1.01	30
m,p-Xylene	0.032	0.032	0.040	80	79	60-140	0.783	30
o-Xylene	0.017	0.017	0.020	86	84	60-140	2.18	30

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264883
Date Analyzed:	03/05/2023 - 03/06/2023	**Extraction Method:**	SW5030B
Instrument:	GC38	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264883

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Surrogate Recovery								
Dibromofluoromethane	0.12	0.12	0.12	97	97	70-140	0.711	30
Toluene-d8	0.13	0.13	0.12	102	103	70-140	0.884	30
4-BFB	0.011	0.011	0.012	91	91	70-140	0.504	30
Benzene-d6	0.092	0.092	0.10	92	92	70-140	0.0016	30
Ethylbenzene-d10	0.10	0.10	0.10	102	102	70-140	0.679	30
1,2-DCB-d4	0.077	0.075	0.10	77	75	70-140	2.14	30

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264841
Date Analyzed:	03/03/2023	**Extraction Method:**	E625
Instrument:	GC48	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264841

QC Summary Report for SW8270C

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Acenaphthene	ND	0.0020	0.0050	-	-	-
Acenaphthylene	ND	0.00093	0.0050	-	-	-
Anthracene	ND	0.0027	0.0050	-	-	-
Benzo (a) anthracene	ND	0.012	0.050	-	-	-
Benzo (a) pyrene	ND	0.0031	0.0050	-	-	-
Benzo (b) fluoranthene	ND	0.0056	0.020	-	-	-
Benzo (g,h,i) perylene	ND	0.0051	0.020	-	-	-
Benzo (k) fluoranthene	ND	0.0052	0.020	-	-	-
Chrysene	ND	0.0020	0.0050	-	-	-
Dibenzo (a,h) anthracene	ND	0.0056	0.020	-	-	-
Fluoranthene	ND	0.0027	0.010	-	-	-
Fluorene	ND	0.0029	0.010	-	-	-
Indeno (1,2,3-cd) pyrene	ND	0.0072	0.020	-	-	-
1-Methylnaphthalene	ND	0.0024	0.0050	-	-	-
2-Methylnaphthalene	0.0016,J	0.0015	0.0050	-	-	-
Naphthalene	ND	0.012	0.050	-	-	-
Pentachlorophenol	ND	0.089	0.25	-	-	-
Phenanthrene	ND	0.0026	0.0050	-	-	-
Pyrene	ND	0.0019	0.0050	-	-	-
Surrogate Recovery						
2-Fluorophenol	2.2			5	45	20-103
2-Fluorobiphenyl	3.8			5	77	63-115

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264841
Date Analyzed:	03/03/2023	**Extraction Method:**	E625
Instrument:	GC48	**Analytical Method:**	SW8270C
Matrix:	Water	**Unit:**	µg/L
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264841

QC Summary Report for SW8270C

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acenaphthene	0.24	0.24	0.25	95	97	60-132	2.51	25
Acenaphthylene	0.20	0.20	0.25	78	81	54-126	3.67	25
Anthracene	0.25	0.27	0.25	102	108	60-130	6.30	25
Benzo (a) anthracene	0.26	0.28	0.25	104	112	60-130	7.20	25
Benzo (a) pyrene	0.26	0.28	0.25	104	114	60-130	8.96	25
Benzo (b) fluoranthene	0.27	0.30	0.25	106	119	60-130	11.6	25
Benzo (g,h,i) perylene	0.26	0.29	0.25	104	115	50-130	10.3	25
Benzo (k) fluoranthene	0.28	0.28	0.25	110	112	60-130	1.10	25
Chrysene	0.25	0.26	0.25	98	106	70-130	7.39	25
Dibenzo (a,h) anthracene	0.27	0.30	0.25	109	120	50-130	9.80	25
Fluoranthene	0.26	0.28	0.25	102	111	65-130	7.95	25
Fluorene	0.23	0.24	0.25	91	95	70-120	4.01	25
Indeno (1,2,3-cd) pyrene	0.27	0.29	0.25	107	118	50-130	9.99	25
1-Methylnaphthalene	0.22	0.23	0.25	86	91	65-130	4.97	25
2-Methylnaphthalene	0.21	0.22	0.25	86	89	60-130	3.76	25
Naphthalene	0.23	0.23	0.25	91	93	70-130	2.12	25
Phenanthrene	0.26	0.28	0.25	103	110	65-120	6.66	25
Pyrene	0.24	0.26	0.25	97	105	70-120	7.00	25
Surrogate Recovery								
2-Fluorophenol	2.1	2.2	5	42	43	20-103	3.00	25
2-Fluorobiphenyl	3.9	3.9	5	79	77	63-115	2.06	25

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264843
Date Analyzed:	03/06/2023	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264843

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.12	0.50	-	-	-
Arsenic	ND	0.11	0.50	-	-	-
Barium	ND	0.71	5.0	-	-	-
Beryllium	ND	0.10	0.50	-	-	-
Cadmium	ND	0.092	0.50	-	-	-
Chromium	ND	0.13	0.50	-	-	-
Cobalt	ND	0.064	0.50	-	-	-
Copper	ND	0.13	0.50	-	-	-
Lead	ND	0.065	0.50	-	-	-
Mercury	ND	0.038	0.050	-	-	-
Molybdenum	ND	0.092	0.50	-	-	-
Nickel	0.089,J	0.080	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.057	0.50	-	-	-
Thallium	ND	0.072	0.50	-	-	-
Vanadium	ND	0.11	0.50	-	-	-
Zinc	ND	2.5	5.0	-	-	-
Surrogate Recovery						
Terbium	560			500	111	70-130

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264843
Date Analyzed:	03/06/2023	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264843

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Antimony	49	49	50	99	98	75-125	0.859	20
Arsenic	49	48	50	97	96	75-125	1.55	20
Barium	510	500	500	101	100	75-125	0.677	20
Beryllium	50	51	50	100	101	75-125	0.820	20
Cadmium	50	49	50	100	99	75-125	1.12	20
Chromium	51	50	50	102	101	75-125	1.02	20
Cobalt	50	50	50	101	100	75-125	0.634	20
Copper	51	50	50	102	100	75-125	1.85	20
Lead	49	49	50	99	98	75-125	1.17	20
Mercury	1.3	1.2	1.25	100	100	75-125	0.240	20
Molybdenum	49	50	50	99	99	75-125	0.456	20
Nickel	51	50	50	101	99	75-125	1.66	20
Selenium	51	50	50	101	99	75-125	2.03	20
Silver	46	46	50	92	92	75-125	0.628	20
Thallium	50	50	50	101	100	75-125	0.446	20
Vanadium	50	50	50	101	101	75-125	0.189	20
Zinc	510	500	500	101	99	75-125	1.65	20
Surrogate Recovery								
Terbium	540	530	500	107	107	70-130	0.617	20

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264888
Date Analyzed:	03/04/2023 - 03/08/2023	**Extraction Method:**	SW5035
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264888

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH(g) (C6-C12)	ND	0.55	1.0	-	-	-
MTBE	ND	0.0026	0.050	-	-	-
Benzene	ND	0.0018	0.0050	-	-	-
Toluene	ND	0.0022	0.0050	-	-	-
Ethylbenzene	ND	0.0015	0.0050	-	-	-
m,p-Xylene	ND	0.0026	0.010	-	-	-
o-Xylene	ND	0.00098	0.0050	-	-	-
Surrogate Recovery						
2-Fluorotoluene	0.095			0.1	95	75-134

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH(btex)	0.49	0.54	0.60	82	89	82-118	8.60	20
MTBE	0.097	0.094	0.10	97	94	61-119	2.93	20
Benzene	0.10	0.10	0.10	102	102	77-128	0.0649	20
Toluene	0.11	0.10	0.10	107	105	74-132	2.42	20
Ethylbenzene	0.10	0.10	0.10	100	100	84-127	0.250	20
m,p-Xylene	0.21	0.21	0.20	106	106	80-120	0.0512	20
o-Xylene	0.10	0.099	0.10	100	99	80-120	1.12	20
Surrogate Recovery								
2-Fluorotoluene	0.095	0.095	0.10	95	95	75-134	0.0490	20

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/08/2023	**BatchID:**	265189
Date Analyzed:	03/09/2023	**Extraction Method:**	SM2540 C-1997
Instrument:	WetChem	**Analytical Method:**	SM2540 C-1997
Matrix:	Water	**Unit:**	mg/L
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-265189

QC Summary Report for Total Dissolved Solids

Analyte	MB Result	MDL	RL			
Total Dissolved Solids	ND	10.0	10.0	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Total Dissolved Solids	1020	1020	1000	102	102	80-120	0.196	10

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264876
Date Analyzed:	03/06/2023	**Extraction Method:**	SW3510C/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264876

QC Report for SW8015B w/ Silica Gel Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	73	100	-	-	-
TPH-Diesel (C10-C24)	ND	76	100	-	-	-
TPH-Diesel (C10-C28)	ND	99	100	-	-	-
TPH-Motor Oil (C18-C36)	ND	180	500	-	-	-
Surrogate Recovery						
C9	600			625	97	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1000	1000	1000	102	104	70-130	1.84	20
Surrogate Recovery								
C9	610	600	625	97	96	70-130	0.932	20

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Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264880
Date Analyzed:	03/04/2023 - 03/08/2023	**Extraction Method:**	SW3550B
Instrument:	GC11A, GC31B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264880 2303198-001AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	1.2	2.0	-	-	-
TPH-Motor Oil (C18-C36)	ND	5.0	10	-	-	-
Surrogate Recovery						
C9	22			25	89	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	40	40	40	101	101	70-130	0.0128	20
Surrogate Recovery								
C9	23	22	25	92	89	70-130	2.47	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1	37	36	40	ND	93	91	70-130	2.15	20
Surrogate Recovery										
C9	1	21	21	25		86	85	70-130	0.833	20

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Farallon Consulting	**WorkOrder:**	2303198
Date Prepared:	03/03/2023	**BatchID:**	264875
Date Analyzed:	03/03/2023	**Extraction Method:**	SW3510C
Instrument:	GC31B	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	1071-105; 6756-6792 Central Ave	**Sample ID:**	MB/LCS/LCSD-264875

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
TPH-Diesel (C10-C23)	ND	53	100	-	-	-
TPH-Diesel (C10-C24)	ND	49	100	-	-	-
TPH-Diesel (C10-C28)	**110**	85	100	-	-	-
TPH-Motor Oil (C18-C36)	ND	190	500	-	-	-
Surrogate Recovery						
C9	580			625	93	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	1100	1100	1000	109	112	70-130	2.39	20
Surrogate Recovery								
C9	570	570	625	92	91	70-130	0.948	20

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2303198 **ClientCode: FCOKC**

☐ WaterTrax ☐ CLIP ☐ EDF ☐ EQuIS ☑ Dry-Weight ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☑ Excel []

Report to:
Peter Sims
Farallon Consulting
330 Franklin Street, Ste. 200
Oakland, CA 94607
(510) 879-6806 FAX:

Email: psims@farallonconsulting.com
cc/3rd Party: saguilar@farallonconsulting.com;
PO:
Project: 1071-105; 6756-6792 Central Ave

Bill to:
Accounts Payable
Farallon Consulting
975 5th Avenue Northwest
Issaquah, WA 98027
ap@farallonconsulting.com

Requested TAT: **5 days;**

Date Received: **03/02/2023**
Date Logged: **03/03/2023**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2303198-001	IDW-03022023	Soil	3/2/2023 14:00	☐	A		A	A	A		A					
2303198-002	F-26	Water	3/2/2023 12:45	☐		C			A	D		A	B			
2303198-003	F-27	Water	3/2/2023 13:00	☐		C			A	D		A	B			
2303198-004	F-28	Water	3/2/2023 13:15	☐		C			A	D		A	B			

Test Legend:

1	8260B_S	2	8270_PNA_W	3	CAM17MS_TTLC_S	4	G-MBTEX_S
5	PRDisposal Fee	6	TDS_W	7	TPH(DMO)_S	8	TPH(DMO)_W
9	TPH(DMO)WSG_W	10		11		12	

Prepared by: Cassandra Gallegos

The following SampID: 001A contains testgroup Multi Range_S.

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: FARALLON CONSULTING **Project:** 1071-105; 6756-6792 Central Ave **Work Order:** 2303198
Client Contact: Peter Sims **QC Level:** LEVEL 2
Contact's Email: psims@farallonconsulting.com **Comments:** **Date Logged:** 3/3/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	IDW-03022023	Soil	Multi-Range TPH	1	16OZ GJ, Unpres	☐	☐	☐	3/2/2023 14:00	5 days	3/9/2023		☐	☐
			SW6020 (CAM 17)			☐	☐	☐		5 days	3/9/2023		☐	☐
			SW8260B (VOCs)			☐	☐	☐		5 days	3/9/2023		☐	☐
002A	F-26	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 12:45	5 days	3/9/2023	2%+	☐	☐
002B	F-26	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 12:45	5 days	3/9/2023	2%+	☐	☐
002C	F-26	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 12:45	5 days	3/9/2023	2%+	☐	☐
002D	F-26	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 12:45	5 days	3/9/2023	2%+	☐	☐
003A	F-27	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 13:00	5 days	3/9/2023	2%+	☐	☐
003B	F-27	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 13:00	5 days	3/9/2023	2%+	☐	☐
003C	F-27	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 13:00	5 days	3/9/2023	2%+	☐	☐
003D	F-27	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 13:00	5 days	3/9/2023	2%+	☐	☐
004A	F-28	Water	SW8015B (Diesel & Motor Oil)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 13:15	5 days	3/9/2023	2%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

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WORK ORDER SUMMARY

Client Name: FARALLON CONSULTING
Client Contact: Peter Sims
Contact's Email: psims@farallonconsulting.com
Project: 1071-105; 6756-6792 Central Ave
Comments:
Work Order: 2303198
QC Level: LEVEL 2
Date Logged: 3/3/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☑ Excel ☐ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
004B	F-28	Water	SW8015B (TPH-d,mo w/ S.G. Clean-Up)	2	aVOA, Unpres	☐	☐	☐	3/2/2023 13:15	5 days	3/9/2023	2%+	☐	☐
004C	F-28	Water	SW8270C (PAHs/PNAs)	1	1LA Narrow Mouth, Unpres	☐	☐	☐	3/2/2023 13:15	5 days	3/9/2023	2%+	☐	☐
004D	F-28	Water	SM2540C (TDS)	1	500mL HDPE, unprsv.	☐	☐	☐	3/2/2023 13:15	5 days	3/9/2023	2%+	☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

General COC

MAI Work Order # 2303198

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www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD X | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Dry Weight | Bottle Order #
Delivery Format: PDF | GeoTracker EDF | EDD | Write On (DW) | Detect Summary

Report To: Peter Sims Bill To: Farallon
Company: Farallon Consulting
Email: PSims@farallonconsulting.com
Alt Email: Saguilar@farallonconsulting.com Tele:
Project Name: 6756-6792 Central Ave Project #: 1071-105
Project Location: Newark, CA PO #
Sampler Signature: [signature]

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	TPH	VOCs	Metals Title 22	DRO w/silica gel #8015B	DRO w/o silica gel #8015B	ORO w/silica gel #8015B	ORO w/o silica gel #8015B	PAHS #8270C/SIM	TDS SM #2540C
IDW-03022023	3/2/23	14:00	1	Soil	no	X	X	X						
F-26	↓	12:45	6	GW	NO				X	X	X	X	X	X
F-27	↓	13:00	↓	↓	↓				X	X	X	X	X	X
F-28	↓	13:15	↓	↓	↓				X	X	X	X	X	X

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature] Farallon	3/2/23	14:30			
[signature] CEI	3/2/23	1730	[signature]	3/2/2023	1730

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 1.3 °C Initials WET

Page 1 of 1

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Sample Receipt Checklist

Client Name:	Farallon Consulting	Date and Time Received:	3/2/2023 17:30
Project:	1071-105; 6756-6792 Central Ave	Date Logged:	3/3/2023
		Received by:	Agustina Venegas
WorkOrder №:	2303198 Matrix: Soil/Water	Logged by:	Cassandra Gallegos
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
(Ice Type: WET ICE)					
Sample/Temp Blank temperature	Temp: 1.3°C				NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA ☑

Comments:

ATTACHMENT F
WASTE MANIFESTS

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

Manifest

Manifest #

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
5/18/23		F-550	A07	A5-5461	001

Generator and/or Consultant

Generator's Name and Billing Address:
6756-6792 CENTRAL AVE NEWARK CA LLC
1800 WAZEE STREET #500
DENVER, CO 80202

Generator's Phone #: 415-733-9410
Person to Contact:
FAX#:
Customer Account Number

Consultant's Name and Billing Address:

Consultant's Phone #:
Person to Contact:
FAX#:
Customer Account Number

Generation Site (Transport from): *(name & address)*
6756-6792 CENTRAL AVENUE
6756-6792 CENTRAL AVENUE
NEWARK, CA 94560

Site Phone #:
Person to Contact:
FAX#:

Designated Facility (Transport to): *(name & address)*
SOIL SAFE
12328 HIBISCUS AVENUE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: JOE PROVANSAL
FAX#: (760) 246-8004

Transporter Name and Mailing Address:
BELSHIRE
25971 TOWNE CENTRE DRIVE
FOOTHILL RANCH, CA 92610
1X55
BESI: 354171

Transporter's Phone #: 949-460-5200
CAR000163913
Person to Contact: LARRY MOOTHART
1629169
FAX#: 949-460-5210
Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	1 DM	Soil	38780	38100	680
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					.34

List any exception to items listed above:
Scale Ticket # 175411

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐
Stephany Aguilar
Signature and date:
Month 5 Day 8 Year 23

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Alexis Ivan Garcia
Signature and date:
Month 5 Day 8 Year 23

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Joe Provansal / Barry Meek / Bill Bishop
Signature and date: 6.8.23

Please print or type.

67566792/3222843

TRANSPORTER COPY

NO. 768413

NON-HAZARDOUS WASTE DATA FORM

1x55

BESI # 354171

GENERATOR

Generator's Name and Mailing Address
6756-6792 CENTRAL AVE NEWARK CA LLC
1800 WAZEE STREET #500
DENVER, CO 80202

Generator's Site Address (if different than mailing address)
6756-6792 CENTRAL AVENUE
6756-6792 CENTRAL AVENUE
NEWARK, CA 94560

Generator's Phone: 415-739-9410

Container type removed from site:
XX ☐ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 1

Container type transported to receiving facility:
☐ Drums XX ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other _____
Quantity 1 Volume 5 GAL

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	3.		
2. TPH		<1%	4.		

Waste Profile _____ PROPERTIES: pH 7-10 ☐ SOLID XX ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: _____

Generator Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	5	8	23

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE — Phone#: 949-460-5200

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Alexis Ivan Garcia	[signature]	5	8	23

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC. — Phone#: 714-990-6855

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year
Rafael Urena Jr	[signature]	6	13	23

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
WORLD OIL RECYCLING
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone#: 310-537-7100

Printed/Typed Name	Signature	Month	Day	Year
SOPHAL P. SVAY	[signature]	06	13	23

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form.

67566792/3225381

ATTACHMENT G
TIER 2 – SITE-SPECIFIC CUMULATIVE RISK AND HAZARD CALCULATOR

DATA GAP INVESTIGATION AND REQUEST FOR SITE CLOSURE
6756 and 6792 Central Avenue
Newark, California

Farallon PN: 1071-105

Environmental Screening Levels

San Francisco Bay Regional Water Quality Control Board

Gavin Newsom, Governor

Jared Blumenfeld, Secretary for Environmental Protection

2019 (Rev. 2) — Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator

Enter Site Data (Leave blank when no data exits)

Contaminant inputs from T2-1:	Contaminant 1: Methyl ethyl ketone	Contaminant 2: Methyl tertiary butyl ether (MTBE)	Contaminant 3: Benzo[a]anthracene [PAH]	Contaminant 4: Naphthalene [PAH]	Contaminant 5: Petroleum - Diesel
Soil Concentration (mg/kg) - dry weight:					
Groundwater Concentration (µg/L):	10.00	0.83	0.10	0.11	
Subslab/ Soil Gas Concentration (µg/m^3):					
Indoor Air Concentration (µg/m^3):					

Soil Gas VI Attenuation Factor (Use 0.03 for Screening): 0.0300

Selected Site Scenario (from T2-1)

Land Use:	Commercial or Industrial
Vegetation Level:	Minimal
Groundwater Use:	Nondrinking Water Resource
MCL Priority vs Risk-Based:	Yes
Discharge to Surface Water:	Saltwater & Freshwater
Soil Contamination Depth:	Shallow Soil

Cancer Risk:

	Methyl ethyl ketone	Methyl tertiary butyl ether (MTBE	Benzo[a]anthracene [PAH]	Naphthalene [PAH]	Petroleum - Diesel	Cumulative Risk
Soil Exposure Risk:	--	--	--	--	--	--
Tapwater Exposure Risk:	--	--	--	--	--	--
Current* Vapor Intrusion Exposure Risk:	--	4.2E-10	4.2E-10	5.5E-09	--	6.3E-09
Basis:	Groundwater VI	Groundwater VI	Groundwater VI	Groundwater VI	--	Groundwater VI
Future** Vapor Intrusion Exposure Risk:	--	4.2E-10	4.2E-10	5.5E-09	--	6.3E-09
Basis:	Groundwater VI	Groundwater VI	Groundwater VI	Groundwater VI	--	Groundwater VI

Noncancer Hazard:

	Methyl ethyl ketone	Methyl tertiary butyl ether (MTBE	Benzo[a]anthracene [PAH]	Naphthalene [PAH]	Petroleum - Diesel	Cumulative Hazard
Soil Exposure Hazard:	--	--	--	--	--	--
Tap Water Exposure Hazard:	--	--	--	--	--	--
Current* Vapor Intrusion Exposure Hazard:	1.1E-06	1.5E-06	--	1.5E-04	--	1.5E-04
Basis:	Groundwater VI	Groundwater VI	Groundwater VI	Groundwater VI	--	Groundwater VI
Future** Vapor Intrusion Exposure Hazard:	1.1E-06	1.5E-06	--	1.5E-04	--	1.5E-04
Basis:	Groundwater VI	Groundwater VI	Groundwater VI	Groundwater VI	--	Groundwater VI

Notes:

Cumulative cancer risk and noncancer hazard are not automatically calculated across pathways because exposure via multiple pathways typically is not simultaneous. This may be performed separately as part of a site-specific evaluation. See the User's Guide Section 3.3 (Addressing Cumulative Risk and Hazard).

* **Current** (VI exposure to current occupants of existing buildings) – Primarily based on indoor air data. See User's Guide Chapter 5 for further information.
In the absence of indoor air data, subslab/soil gas or groundwater data is used to predict current indoor air concentrations.
Subslab/soil gas data is given priority over groundwater data for current exposure calculations. The cumulative risk calculation follows the same hierarchy.

** **Future** (VI exposure to future occupants of existing or future buildings) – Primarily based on subslab/soil gas data. See User's Guide Chapter 5 for further information.
In the absence of subslab/soil gas data, groundwater data is used to predict future indoor air concentrations. The cumulative risk calculation follows the same hierarchy.

Acoustical Assessment
6750 Central Avenue Project
City of Newark, California

Prepared by:
Kimley-Horn and Associates, Inc.
10 S. Almaden Boulevard, Suite 1250
San José, CA 95113
Contact: Noemi Wyss, AICP
213.261.4067

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Appendix A: Noise Data

LIST OF ABBREVIATED TERMS

ADT	average daily traffic
dBA	A-weighted sound level
CNEL	community equivalent noise level
L_{dn}	day-night noise level
dB	decibel
L_{eq}	equivalent noise level
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating ventilation and air conditioning
Hz	hertz
in/sec	inches per second
L_{max}	maximum noise level
µPa	micropascals
L_{min}	minimum noise level
PPV	peak particle velocity
RMS	root mean square
sf	square feet
VdB	vibration velocity level

1 INTRODUCTION

This report documents the results of an Acoustical Assessment completed for the 6750 Central Avenue Project ("project" or "proposed project"). The purpose of this Acoustical Assessment is to evaluate the potential construction and operational noise and vibration levels associated with the project and determine the level of impact the project would have on the environment. The assessment also analyzes the vibration impacts of a nearby railway on the project.

1.1 PROJECT LOCATION

The proposed project is located at 6750 Central Avenue in Newark, California. Figure 1: Regional Vicinity and Figure 2: Site Vicinity, depict the project site in a regional and local context. The project site is located in an urban area with a mix of surrounding uses including commercial, office, residential and industrial uses. The proposed project's existing land use designation is General Industrial and existing zoning designation is Employment District. The project site is currently developed with an industrial warehouse, commercial space, and a truck trailer repair yard.

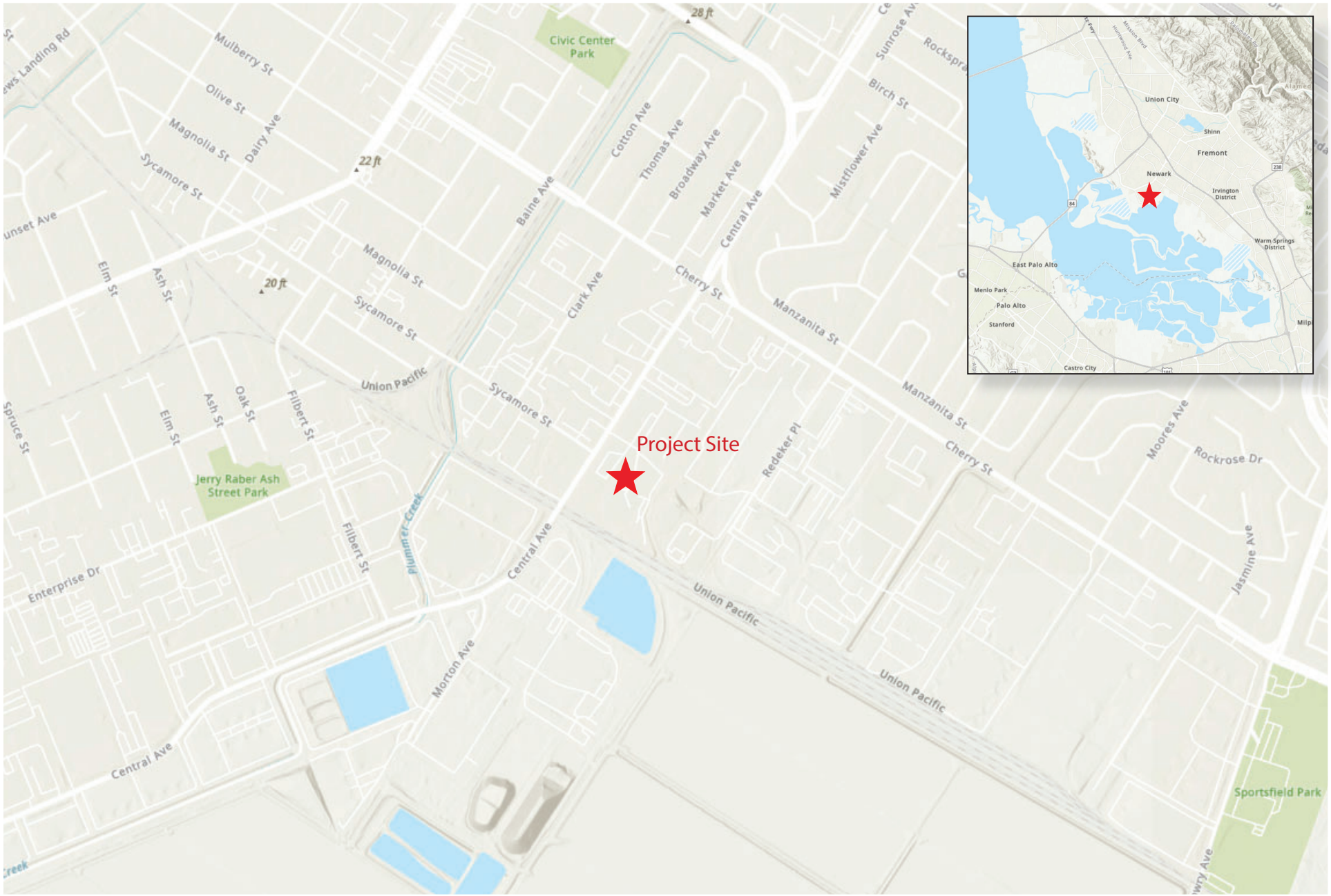
1.2 PROJECT DESCRIPTION

The project intends to redevelop the property as a modern industrial facility. The proposed project would demolish the existing on-site facilities and redevelop the property with a new approximately 315,390 square feet (sf) warehouse building. The proposed warehouse building would contain approximately 281,584 sf of warehouse space and 33,806 sf of office space (refer to Figure 3: Project Site Plan). The warehouse building would include 46 dock doors located on the southeast façade. The proposed project includes surface parking with 396 automobile (passenger vehicle) spaces.

Access to the project site would be provided by two 40-foot driveways located on the northwest corner of the site from Central Avenue. The northern driveway would provide access for trucks and trailers, in addition to passenger vehicles. The southern driveway would provide primary access for passenger vehicles. The project includes a stormwater retention area on the southern corner of the project site.

It should be noted that the City of Newark has approved and funded the installation of an overpass along the project frontage on Central Avenue. This roadway improvement would construct a four-lane grade separation structure that extends from Sycamore Street to Morton Avenue above the railway south of the project site.[1] This construction and operation of this roadway improvement would alter noise and vibration levels in the surrounding area and is the impact of its installation is analyzed in the discussion below.

[1] Alameda County Transportation Commission, *Dumbarton Corridor Improvements (Central Avenue Overpass)*, July 2018.



Source: USGS, 2023

Figure 1: Regional Vicinity

6750 Central Avenue Project

Not to scale

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Expect More. Experience Better.



Source: Nearmap, 2023

Figure 2: Project Location

6750 Central Avenue Project

Not to scale

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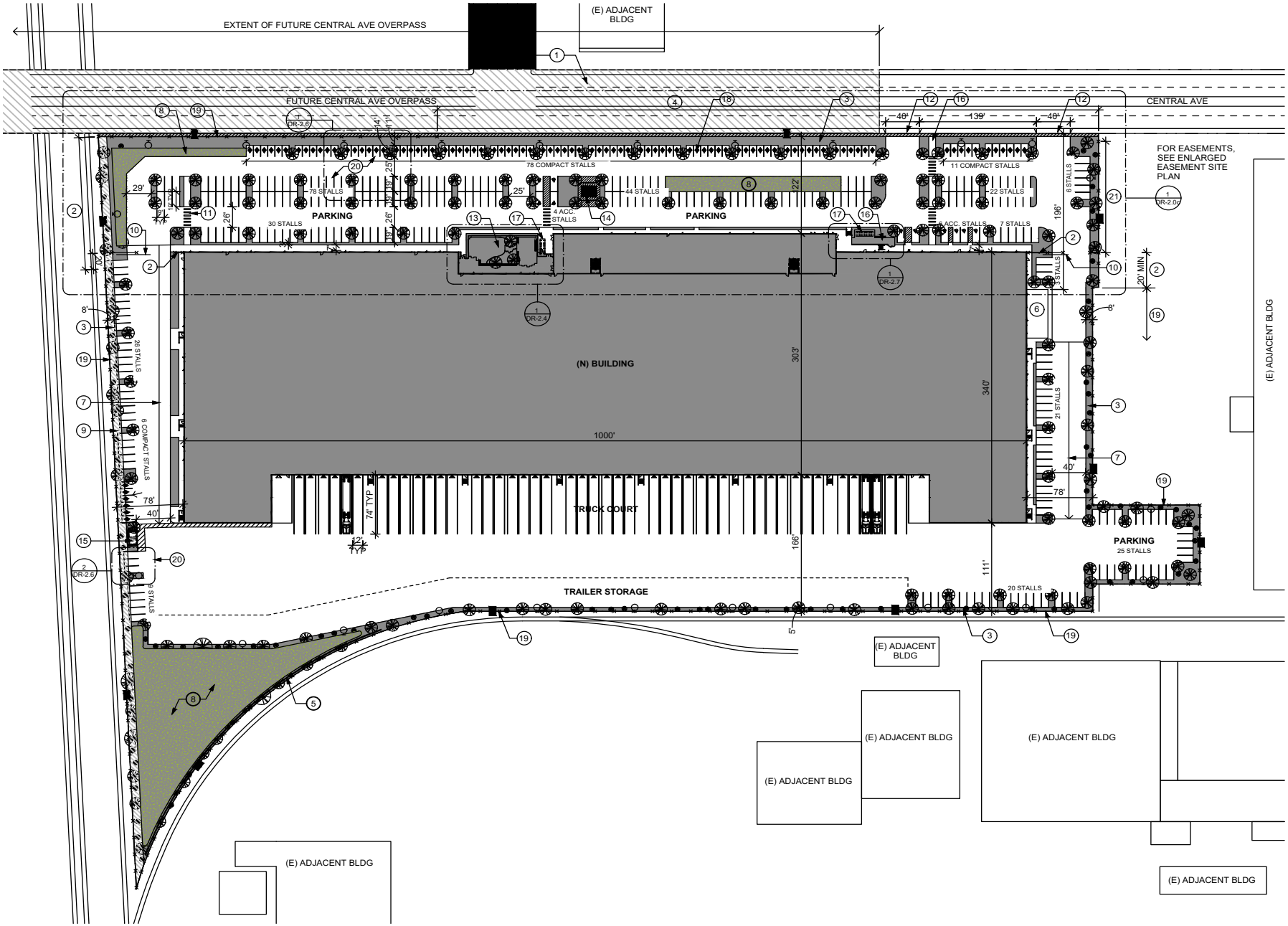

Source: Jackson Liles Architecture, March 2023

Figure 3: Project Site Plan

6750 Central Avenue Project

Not to scale

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2 ACOUSTIC FUNDAMENTALS

2.1 SOUND AND ENVIRONMENTAL NOISE

Acoustics is the science of sound. Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a medium (e.g. air) to human (or animal) ear. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or hertz (Hz).

Noise is defined as loud, unexpected, or annoying sound. The fundamental acoustics model consists of a noise source, receptor, and the propagation path between the two. The loudness of the noise source, obstructions, or atmospheric factors affecting the propagation path, determine the perceived sound level and noise characteristics at the receptor. Acoustics deal primarily with the propagation and control of sound. A typical noise environment consists of ambient noise that is the sum of many distant and indistinguishable noise sources. The sound from individual local sources is superimposed on this background noise. These sources can vary from an occasional aircraft or train passing by to continuous noise from traffic on a major highway. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a large range of numbers. To avoid this, the decibel (dB) scale was devised. The dB scale uses the hearing threshold of 20 micropascals (µPa) as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The dB scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels correspond closely to human perception of relative loudness. Table 1: Typical Noise Levels provides typical noise levels.

Table 1: Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	– 110 –	Rock Band
Jet fly-over at 1,000 feet		
	– 100 –	
Gas lawnmower at 3 feet		
	– 90 –	
Diesel truck at 50 feet at 50 miles per hour		Food blender at 3 feet
	– 80 –	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	– 70 –	Vacuum cleaner at 10 feet
Commercial area		Normal Speech at 3 feet
Heavy traffic at 300 feet	– 60 –	
		Large business office
Quiet urban daytime	– 50 –	Dishwasher in next room
Quiet urban nighttime	– 40 –	Theater, large conference room (background)
Quiet suburban nighttime		
	– 30 –	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	– 20 –	
		Broadcast/recording studio
	– 10 –	
Lowest threshold of human hearing	– 0 –	Lowest threshold of human hearing

Source: California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, September 2013.

Noise Descriptors

The dB scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. Most commonly, environmental sounds are described in terms of equivalent noise level (L_{eq}) that has the same acoustical energy as the summation of all the time-varying events. While L_{eq} represents the continuous sound pressure level over a given period, the day-night noise level (L_{dn}) and Community Equivalent Noise Level (CNEL) are measures of energy average during a 24-hour period, with dB weighted sound levels from 7:00 p.m. to 7:00 a.m. Each is applicable to this analysis and defined Table 2: Definitions of Acoustical Terms.

Table 2: Definitions of Acoustical Terms

Term	Definitions
Decibel (dB)	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in µPa (or 20 micronewtons per square meter), where 1 pascals is the pressure resulting from a force of 1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in dB as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g. 20 µPa). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency (Hz)	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level (dBA)	The sound pressure level in dB as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level (L_{eq})	The average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
Maximum Noise Level (L_{max}) Minimum Noise Level (L_{min})	The maximum and minimum dBA during the measurement period.
Day-Night Noise Level (L_{dn})	A 24-hour average Leq with a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity at nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour Leq would result in a measurement of 66.4 dBA L_{dn}.
Community Noise Equivalent Level (CNEL)	A 24-hour average Leq with a 5 dBA weighting during the hours of 7:00 a.m. to 10:00 a.m. and a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively. The logarithmic effect of these additions is that a 60 dBA 24-hour Leq would result in a measurement of 66.7 dBA CNEL.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Because sound levels can vary markedly over a short period of time, a method for describing either the sound's average character (L_{eq}) or the variations' statistical behavior (L_{xx}) must be utilized. The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The predicted models' accuracy depends on various factors, such as the distance between the noise receptor and noise source, the character of the ground surface (e.g., hard or soft), and the presence or absence of structures (e.g., walls or buildings) or topography, and how well model inputs reflect these conditions.

A-Weighted Decibels

The A-weighted decibel (dBA) sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. The perceived loudness of sounds is dependent on many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by dBA values. There is a strong correlation between dBA and the way the human ear perceives sound. For this reason, the dBA has become the standard tool of environmental noise assessment. All noise levels reported in this document are in terms of dBA, but are expressed as dB, unless otherwise noted.

Addition of Decibels

The dB scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic dB is A-weighted, an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound. When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dBA higher than one source under the same conditions. Under the dB scale, three sources of equal loudness together would produce an increase of approximately 5 dBA.

Sound Propagation and Attenuation

Sound spreads (propagates uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB for each doubling of distance from a stationary or point source. Sound from a line source, such as a highway, propagates outward in a cylindrical pattern. Sound levels attenuate at a rate of approximately 3 dB for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics. No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed. For line sources, an overall attenuation rate of 3 dB per doubling of distance is assumed.

Noise levels may also be reduced by intervening structures; generally, a single row of buildings between the receptor and the noise source reduces the noise level by about 5 dBA, while a solid wall or berm reduces noise levels by 5 to 10 dBA. The way older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. The exterior-to-interior reduction of newer residential units is generally 30 dBA or more.

Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and

contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA. Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semi-commercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in dBA, the following relationships should be noted:

- Except in carefully controlled laboratory experiments, a 1-dBA change cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A minimum 5-dBA change is required before any noticeable change in community response would be expected. A 5-dBA increase is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

Effects of Noise on People

Hearing Loss. While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise. The Occupational Safety and Health Administration has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA averaged over 8 hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

Annoyance. Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. A noise level of about 55 dBA L_{dn} is the threshold at which a substantial percentage of people begin to report annoyance[2].

2.2 GROUNDBORNE VIBRATION

Sources of groundborne vibrations include natural phenomena (earthquakes, volcanic eruptions, sea waves, landslides, etc.) or man-made causes (explosions, machinery, traffic, trains, construction equipment, etc.). Vibration sources may be continuous (e.g., factory machinery) or transient (e.g.,

[2] Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, August 1992.

explosions). Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave and is expressed in terms of inches-per-second (in/sec). The RMS velocity is defined as the average of the squared amplitude of the signal and is expressed in terms of velocity decibels (VdB). The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

Table 3: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations, displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the individual sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Table 3: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations

Maximum PPV (in/sec)	Vibration Annoyance Potential Criteria	Vibration Damage Potential Threshold Criteria	FTA Vibration Damage Criteria
0.008	-	Extremely fragile historic buildings, ruins, ancient monuments	-
0.01	Barely Perceptible	-	-
0.04	Distinctly Perceptible	-	-
0.1	Strongly Perceptible	Fragile buildings	-
0.12	-	-	Buildings extremely susceptible to vibration damage
0.2	-	-	Non-engineered timber and masonry buildings
0.25	-	Historic and some old buildings	-
0.3	-	Older residential structures	Engineered concrete and masonry (no plaster)
0.4	Severe	-	-
0.5	-	New residential structures, Modern industrial/commercial buildings	Reinforced-concrete, steel, or timber (no plaster)
PPV = peak particle velocity; in/sec = inches per second; FTA = Federal Transit Administration			
Source: California Department of Transportation, Transportation and Construction Vibration Guidance Manual, 2020 and Federal Transit administration; Transit Noise and Vibration Assessment Manual, 2018.			

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be perceptible. Common sources for groundborne vibration are planes, trains, and construction activities such as earth-moving, which requires the use of heavy-duty earth moving equipment. For the purposes of this analysis, a PPV descriptor with units of inches per second (in/sec) is used to evaluate construction-generated vibration for building damage and human complaints.

3 REGULATORY SETTING

To limit population exposure to physically or psychologically damaging as well as intrusive noise levels, the Federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise.

3.1 STATE

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 CNEL and "conditionally acceptable" up to 70 CNEL. Multiple-family residential uses are "normally acceptable" up to 65 CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 CNEL, as are office buildings and business, commercial, and professional uses.

3.2 LOCAL

City of Newark General Plan

The City of Newark General Plan identifies goals, policies, and implementations in the Noise Element. The Noise Element provides a basis for comprehensive local programs to regulate environmental noise and protect citizens from excessive exposure. Table 4: Land-Use Compatibility Guidelines for Community Noise in Newark highlights nine land-use categories and the outdoor noise compatibility guidelines.

Table 4: Land-Use Compatibility Guidelines for Community Noise in Newark

Land-Use Category	Interior CNEL or L_{dn} (dBA)	Exterior Noise Exposure (CNEL or L_{dn}), in dBA			
		Normally Acceptable[1]	Conditionally Acceptable[2]	Normally Unacceptable[3]	Clearly Unacceptable[4]
Residential-Low Density Single-Family, Duplex, Mobile Homes	45	<60	55 to 70	70 to 75	>75
Residential-Multiple Family	45	<65	60 to 70	70 to 75	>75
Transient Lodging, Motels, Hotels	45	<65	60 to 70	70 to 80	>80
Schools, Libraries, Churches, Hospitals, Nursing Homes	45	<70	60 to 70	70 to 80	>80
Auditoriums, Concert Halls, Amphitheater	-	-	-	-	>65
Sports Arena, Outdoor Spectator Sports	-	-	-	-	>70
Playgrounds, Neighborhood Parks	-	<70	68 to 75	-	>72
Golf Courses, Riding Stables, Water Recreation, Cemeteries	-	<75	70 to 80	-	>80
Office Buildings, Businesses, Commercial, Professions	50	<70	68 to 75	75 to 85	-
Industrial, Manufacturing, Utilities, Agricultural	-	<75	70 to 80	75 to 85	-

1. Normally Acceptable – Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.

2. Conditionally Acceptable – New construction should be undertaken only after a detailed analysis of the noise reduction requirement is conducted and needed noise insulation features included in the design.
3. Normally Unacceptable – New construction or development should generally be discouraged. If new construction does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.
4. Clearly Unacceptable – New Construction or development generally should not be undertaken.
Source: City of Newark General Plan, 2013.

The Newark General Plan includes the following applicable noise goal and policy:

Goal EH-6: Maintain the peace and quiet of Newark neighborhoods and promote an environment where noise does not adversely impact sensitive land uses.

Policy EH 6.3: **Truck Noise**. Establish, maintain, and enforce designated truck routes within the city to reduce noise from truck traffic near residential uses.

Policy EH 6.7: **Construction Noise – Addressing Sources of Construction Noise**. Reduce noise associated with construction activities by requiring properly maintained mufflers on construction vehicles, requiring the placement of stationary construction equipment as far as possible from developed areas, and requiring temporary acoustical barriers/ shielding to minimize construction noise impacts at adjacent receptors. Special attention should be paid to noise-sensitive receptors (including residential, hospital, school, and religious land uses).

Goal EH-7: Ensure that new structures/uses are designed and constructed to preclude excessive, inappropriate, and undesirable noise effects.

Policy EH 7.1: **Land Use Planning and Noise Compatibility**. Use the noise compatibility guidelines in Table EH-2 and the future-conditions noise contour map in Figure EH-4 to plan for appropriate land uses near existing uses that generate noise. Noise mitigation should be included to ensure that new residential areas and other noise-sensitive uses are appropriately buffered from significant noise sources.

Policy EH 7.2: **Noise Compatibility Strategies**. Where land use noise compatibility conflicts currently exist, explore the need for mitigation measures on noise sources that may be adjacent to sensitive receptors. In planning for future developments, promote the use of buffer zones, barrier/shielding measures, and/or sound insulation building techniques to preclude noise impacts to noise-sensitive land uses.

Policy EH 7.4: **Residential Noise Standard – Exterior**. Plan for and implement strategies to maintain exterior noise levels that are consistent with the noise compatibility guidelines in Table EH-2. For residential areas, this limit is 60 dBA L_{dn} for outdoor living areas. Where this level is exceeded due to freeways, arterials, and/or railroads, the construction of berms, walls, buffer zones, and other noise-reduction measures to reduce noise to the greatest extent feasible will be required.

Policy EH 7.6: **New Noise Sources**. Require developments that have the potential to create long-term noise increases to mitigate potential impact to off-site receptor properties.

Policy EH 7.7: **Acoustical Study Requirement**. Require acoustical studies for new developments in areas where the noise levels exceed the 'normally acceptable' levels for the proposed land use; based on Table EH-2. For residential uses, the analysis should include mitigation measures to limit the noise exposure in interior living spaces to 45 dB L_{dn}, consistent with California Title 24.

Acoustical Studies should have the following minimum attributes:

- Be the responsibility of the development applicant.
- Be prepared by qualified persons experienced in the fields of environmental noise assessment and architectural acoustics.
- Include representative noise level measurements with sufficient sampling periods and locations to adequately describe existing local conditions.
- Include estimates for existing and projected (20 years hence) noise levels in terms of (a) L_{dn} or CNEL and (b) any future noise regulations to be adopted by the City. Those existing and projected noise levels shall be compared to the adopted policies of the Noise Element.
- Include recommended mitigation measures to achieve compliance with the adopted policies and standards of the Noise Element. Where the noise source in question consists of intermittent single events, the report should address the effects of maximum noise levels in sleeping rooms and potential sleep disturbance issues.
- Include estimates for interior and exterior noise exposure after the prescribed mitigation measures have been implemented.
- Describe a post-project assessment program that could be used to evaluate the effectiveness of the proposed mitigation measures.

The Newark General Plan includes the following action element for vibration:

Action EH-7.D: Vibration-Intensive Construction. Implement a standard operating procedure that requires the evaluation of potential vibration impacts for individual projects which use vibration-intensive construction activities, such as pile drivers, jack hammers, and vibratory rollers, near sensitive receptors. If construction-related vibration is determined to be perceptible (i.e., in excess of Federal Transit Administrations vibration annoyance criterion) at vibration-sensitive uses, then additional requirements, such as the use of less-vibration intensive equipment or construction techniques, shall be implemented.

Action EH-7.E: **New Development Near Railroads.** Implement a standard operating procedure that requires the evaluation of potential vibration impacts for new development that occurs within 200 feet of a railroad track, in accordance with the FTA's vibration screening distances. In such instances, the project property owner/developers shall retain an acoustical engineer to conduct an acoustic analysis and identify, where appropriate, site design features and/or required building construction improvements to ensure that vibration impacts would remain below acceptable levels for residential uses.

City of Newark Municipal Code

According to Newark Municipal Code, Section 17.24.100, construction hours are limited to the hours of 7:00 a.m. to 7:00 p.m. on Monday through Saturday and 10:00 a.m. to 6:00 p.m. on Sundays and Holidays. The Municipal Code does establish quantitative noise limits for construction activities in the City. Construction noise level shall not exceed 86 dBA at any point outside the property plane and no piece of equipment is allowed to produce a noise level of 83 dBA at a distance of 25 feet from the source.

The Municipal Code also includes noise limits based on the location and type of land use. **Error! Reference source not found.** shows the standards for maximum noise level at the property line. As stated in in Municipal Code Section 17.24.120, vibrations from temporary construction, demolition, and vehicles that enter and leave the subject parcel are exempt from the City's discernable vibration standard.

Table 5: City of Newark Zoning Ordinance Noise Standards

Land Use Types	Maximum Noise Level in Decibels at Property Line
Residential between 7:00 a.m. and 9:00 p.m.	70
Residential between 9:00 p.m. and 7:00 a.m.	60
Commercial/Industrial 24 hours a day	70
Public Property 24 hours a day	60
Source: City of Newark Municipal Code section 17.24.100.	

4 EXISTING CONDITIONS

4.1 EXISTING NOISE SOURCES

The City of Newark (including the project site) is impacted by various noise sources. Mobile sources of noise, especially cars, trucks, and rail transport, are the most common and significant sources of noise in most communities. Other sources of noise are the various land uses (i.e., residential, commercial, institutional, and recreational and parks activities) throughout the City that generate stationary-source noise.

Noise Measurements

To determine ambient noise levels in the project area, three short-term (10-minute) noise measurements and one long-term (24-hour) noise measurement were taken using a Larson Davis SoundExpert LxT Type I integrating sound level meter on January 25 through January 26, 2023; refer to Appendix A for existing noise measurement data.

As shown in Figure 4: Noise Measurement Locations, short-term measurement 1 (ST-1) was taken to represent the ambient noise level at the Church northwest of the project site on Sycamore Street, ST-2 was taken to represent existing noise levels at the industrial uses northeast of the project site, and ST-3 was taken to represent the existing noise level at the industrial uses to the southwest. Long-term measurement 1 (LT-1) was taken to represent existing ambient noise levels at the project site. The primary noise sources during the noise measurements were traffic along Central Avenue, Sycamore Street, and stationary noise at industrial operations nearby. Table 6: Noise Measurements provides the ambient noise levels measured at these locations.

Table 6: Noise Measurements

Site No.	Location	L_{eq} (dBA)	L_{min} (dBA)	L_{max} (dBA)	L_{dn} (dBA)[1]	Time	Date
ST-1	Newark Community Church	59.7	51.0	74.5	-	2:00 p.m. to 2:10 p.m.	1/25/2023
ST-2	6950 Central Avenue	59.0	55.1	64.7	-	2:19 p.m. to 2:29 p.m.	1/25/2023
ST-3	7025 Central Avenue	72.1	55.4	84.5	-	2:37 p.m. to 2:47 p.m.	1/25/2023
LT-1	Project Site	69.6	51.6	96.1	73.6	3:21 p.m. to 3:21 p.m.	1/25/2023 – 1/26/2023
1. L_{dn} for short-term measurements are approximated based on the day-night variation in the long-term measurement.							
Source: Noise Measurements taken by Kimley-Horn on January 25th through 26th, 2023.							



Source: Nearmap, 2023

Figure 4: Noise Measurement Locations

6750 Central Avenue Project

Not to scale

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Existing Mobile Noise

Existing roadway noise levels were calculated for the roadway segments in the project vicinity. This task was accomplished using the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108) and existing traffic volumes provided by Kimley-Horn (2023). The noise prediction model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway geometry, and site environmental conditions. The average vehicle noise rates (also referred to as energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by Caltrans. The Caltrans data indicates that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels. The average daily noise levels along roadway segments in proximity to the project site are included in Table 7: Existing Traffic Noise.

Table 7: Existing Traffic Noise

Roadway Segment	ADT	dBA L_{dn} [1]
Sycamore Street		
Central Avenue to Clark Avenue	4,900	57.1
Central Avenue		
Morton Avenue to Sycamore Street	13,160	62.8
Sycamore Street to West Project Driveway	16,360	63.7
West Project Driveway to East Project Driveway	16,360	63.7
East Project Driveway to Cherry Street	17,090	63.9
ADT = average daily trips; dBA = A-weighted decibels; L_{dn} = day-night noise level		
1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.		
Source: Based on data provided by Kimley-Horn (2023). Refer to Appendix A for traffic noise modeling assumptions and results.		

The project site is primarily surrounded by industrial and commercial uses. The existing mobile noise in the project area are generated along Central Avenue and Sycamore Street west of the project site.

Existing Stationary Noise

The primary sources of stationary noise in the project vicinity are those associated with the operations of nearby existing commercial and industrial surrounding of the project site. The noise associated with these sources may represent a single-event noise occurrence, short-term noise, or long-term/continuous noise.

4.2 NEARBY RECEPTORS

Noise exposure standards and guidelines for various types of land uses reflect the varying noise sensitivities associated with each of these uses. Residences, hospitals, schools, guest lodging, libraries, and churches are treated as the most sensitive to noise intrusion and therefore have more stringent noise exposure targets than do other uses, such as manufacturing or agricultural uses that are not subject to impacts such as sleep disturbance.

As shown in Table 8: Noise Receivers, sensitive receptors near the project site include single-family residences and a church, refer to Figure 5: Sensitive Receptor Locations. Table 8 also highlights nearby

non-sensitive receivers such as commercial and industrial uses. These distances are from the project site to the sensitive receptor property line.

Table 8: Noise Receivers

Receptor Description	Distance and Direction from the Project Site[1]
Industrial Building	40 feet to the north
Commercial Building	100 feet northwest
Single Family Residential	670 feet northeast
Newark Community Church	800 feet northwest
Single Family Residential	930 feet northeast
1. Distances are measured from the project site boundary to the property line.	



Source: Nearmap, 2023

Figure 5: Sensitive Receptor Locations

6750 Central Avenue Project

Not to scale

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5 METHODOLOGY

5.1 SOUND METHODOLOGY

Construction

Construction noise estimates are based upon noise levels on typical noise levels generated by construction equipment published by the Federal Transit Administration (FTA) and FHWA. Construction noise is assessed in dBA L_{eq}. This unit is appropriate because L_{eq} can be used to describe noise level from operation of each piece of equipment separately, and levels can be combined to represent the noise level from all equipment operating during a given period.

Reference noise levels are used to estimate noise levels at nearby sensitive receptors based on a standard noise attenuation rate of 6 dB per doubling of distance (line-of-sight method of sound attenuation for point sources of noise). Construction noise level estimates do not account for the presence of intervening structures or topography, which may reduce noise levels at receptor locations. Therefore, the noise levels presented herein represent a conservative, reasonable worst-case estimate of actual temporary construction noise.

The City of Newark has a construction equipment noise threshold of 86 dBA at any point outside the property line between the times of 7:00 a.m. to 7:00 p.m. on Monday through Saturday and 10:00 a.m. to 6:00 p.m. on Sundays and Holidays. The City also has an ordinance providing that no piece of equipment is allowed to produce a noise level of 83 dBA at a distance of 25 feet from the source.

Operations

The analysis of the existing and future noise environments is based on noise prediction modeling and empirical observations. Reference noise level data are used to estimate the project operational noise impacts from stationary sources. Noise levels are collected from field noise measurements and other published sources from similar types of activities are used to estimate noise levels expected with the project's stationary sources. The reference noise levels are used to represent a worst-case noise environment as noise level from stationary sources can vary throughout the day.

Operational noise is evaluated based on the standards within the City's General Plan. Per Table EH-2 in the City of Newark General Plan, normally acceptable exterior noise levels of up to 55 dBA L_{dn} are acceptable for single-family residential uses, levels up to 60 dBA L_{dn} are acceptable for churches, levels up to 68 dBA L_{dn} are acceptable for commercial uses, and levels up to 70 dBA L_{dn} are acceptable for industrial uses. The General Plan also establishes an interior 45 dBA L_{dn} noise standard for residences and churches and notes that an untrained human ear typically cannot detect a difference in sound levels of less than 3 dB. The traffic noise levels in the project vicinity were calculated using the FHWA Highway Noise Prediction Model (FHWA-RD-77-108).

5.2 VIBRATION METHODOLOGY

Groundborne vibration levels associated with construction-related activities for the project were evaluated utilizing typical groundborne vibration levels associated with construction equipment, obtained from FTA published data for construction equipment. Potential groundborne vibration impacts related to structural damage and human annoyance were evaluated, considering the distance from construction activities to nearby land uses and typically applied criteria for structural damage and human annoyance.

Per FTA guidance, a vibration limit of 12.7 millimeters per second (mm/sec; 0.5 inch/sec) PPV is used for buildings that are structurally sound and designed to modern engineering standards. A conservative vibration limit of five mm/sec (0.2 inches/sec) PPV has been used for buildings that are found to be structurally sound but where structural damage is a major concern.

6 POTENTIAL IMPACTS AND MITIGATION

6.1 ACOUSTICAL IMPACTS

Threshold 6.1 Would the Project generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Construction

Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g. land clearing, grading, excavation, paving). Noise generated by construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. During construction, exterior noise levels could affect the residential neighborhoods and other sensitive receptors surrounding the construction site. Project construction would occur approximately 670 feet from the nearest sensitive receptor to the northeast. Construction activities would occur throughout the project site and would not be concentrated at a single point near sensitive receptors. Noise levels typically attenuate (or drop off) at a rate of 6 dB per doubling of distance from point sources, such as industrial machinery. During construction, exterior noise levels could affect the residential neighborhoods near the construction site.

Construction activities associated with development of the project would include demolition, site preparation, grading, paving, building construction, and architectural coating. Such activities may require dozers and tractors during site preparation; graders, dozers, and tractors during grading; cranes, forklifts, generators, tractors, and welders during building construction; pavers, rollers, mixers, tractors, and paving equipment during paving; and air compressors during architectural coating. Grading and excavation phases of project construction tend to be the shortest in duration and create the highest construction noise levels due to the operation of heavy equipment required to complete these activities. It should be noted that only a limited amount of equipment can operate near a given location at a particular time. Equipment typically used during the grading and excavation stage includes heavy-duty trucks, backhoes, bulldozers, excavators, front-end loaders, and scrapers. Operating cycles for these types of construction equipment may involve one or two minutes of full-power operation followed by three to four minutes at lower power settings. Other primary sources of noise would be shorter-duration incidents, such as placing large pieces of equipment or the hydraulic movement of machinery lifts, which would last less than one minute. According to the applicant, no pile-driving would be required during construction.

The City of Newark General Plan has not adopted a quantitative construction noise threshold. However, the Newark Municipal Code limits construction equipment noise levels to 86 dBA at the property line and, for individual pieces of equipment, 83 dBA at 25 feet from the source. It should be noted that there are no sensitive receptors located within 25 feet of the anticipated construction area or adjacent to the project property line. The closest sensitive receptors would be the residences northeast located approximately 670 feet away from the project site. The loudest piece of equipment (used during demolition) would produce a noise level of 65 dBA at 670 feet without accounting for any noise attenuation from nearby buildings or structures, as well as vegetation. These off-site noise attenuating elements include multi-story industrial buildings, multi-story commercial buildings, and trees located north and west of the project site. Typically, a solid wall or berm can reduce noise level by about 5 to 15

dBA.[3] Thus, due to nearby attenuating structures, noise levels would be reduced below 65 dBA and the construction noise would be below the Normally Acceptable Level for residences and churches as described in Table 4. At the closest industrial use, located 40 feet northwest from the edge of the project site, the loudest piece of equipment would produce a noise level of 90 dBA without accounting for any noise attenuation from nearby buildings or structures. As mentioned previously, actual construction-related noise activities would be lower than the conservative levels described above and would cease upon completion of construction. Due to the variability of construction activities and equipment for the project, overall construction noise levels would be intermittent and would fluctuate over time. These assumptions represent the worst-case noise scenario because construction activities would typically be spread throughout the project site, and thus some equipment would be farther away from the affected receptors.

Further, construction activities would be limited to daytime hours and would conform to the time-of-day restrictions of the City's Municipal Code. Construction activities also would be subject to a routine construction management plan, which constitutes a "noise source control" that is uniformly applicable to construction sites near receptors under Newark Municipal Code section 17.24.100(B) and policies in the City's General Plan, such as Policy EH-607. (*See, e.g.,* General Plan Noise Element, pp. EH-28 to EH-30, EH-41). Construction noise management plans are common conditions of approval in the City of Newark and are intended to generally minimize the detrimental noise impacts of construction. (*See* "Environmental Checklist for Streamlined Review, Pursuant to California Public Resources Code Section 21083.3 and CEQA Guidelines Sections 15168 and 15183" for 38600 Cedar Boulevard Residential Development Project (July 2023), p. 53; *see also Berkeley Hillside Pres. v. City of Berkeley* (2015) 241 Cal.App.4th 943, 959 [project exempt from CEQA where generally applicable construction management plan ensured compliance with city noise standards]; *Walters v. City of Redondo Beach* (2016) 1 Cal.App.5th 809, 815-823 [project exempt from CEQA where noise control measures ensured compliance with city ordinance standards].)

Implementation of the construction management plan below would ensure that construction noise levels remain consistent with the municipal code's quantitative noise level requirements. The plan would require the project to use noise reduction technology on construction equipment, construct temporary sound barriers at the project property line, and prohibit the idling of stationary equipment. With implementation of the construction noise management plan, noise levels associated with construction would be significantly reduced and would never exceed 86 decibels outside the project site. Therefore, construction noise impacts to nearby receptors would be consistent with the Newark General Plan and Newark Municipal Code, and would be less than significant.

Construction Noise Management Plan

Prior to Grading Permit issuance, the Applicant shall demonstrate, to the satisfaction of the City of Newark Director of Public Works or City Engineer that the Project complies with the following:

i. Construct solid plywood fences around ground level construction sites adjacent to the project property line, resulting in a decibel reduction of 5-15 dBA.

[3] Federal Highway Administration, *Highway Traffic and Construction Noise - Problem and Response*, April 2006.

ii. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. This would provide at least a 10 dBA reduction to individual equipment noise.[4]

iii. Prohibit unnecessary idling of internal combustion engines.

iv. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from the project property line. Construct temporary noise barriers to screen stationary noise-generating equipment at the project property line.

v. Utilize "quiet" air compressors and other stationary noise sources where technology exists.

vi. Control noise from construction workers' radios to a point where they are not audible at existing residences bordering the Project site.

vii. Notify all adjacent business, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of "noisy" construction activities to the adjacent land uses and nearby residences.

viii. If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.

ix. Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

Implementation of the foregoing construction noise management plan would collectively reduce construction noise by 20 to 30 decibels. Construction noise levels would be below 45 dBA at the closest residence and church, and below 70 dBA at the closest industrial receptor which is consistent with the Normally Acceptable Levels described in Table 4. With the reduction accounting for the mufflers and the surrounding walls from the construction noise management plan (approximately a 20 dBA reduction), no construction equipment would produce a noise level more than 83 dBA at 25 feet. The loudest piece of equipment would produce a noise level of 74 dBA at 25 feet and construction noise levels would not exceed 86 dBA at the project property line. Thus, construction noise would be consistent with the Newark General Plan and Newark Municipal Code, and would be less than significant.

Construction Traffic Noise

Construction noise may be generated by large trucks moving materials to and from the project site. Large trucks would be necessary to deliver building materials as well as remove dump materials. Because of the logarithmic nature of noise levels, a doubling of the traffic volume (assuming that the speed and vehicle mix do not also change) would result in a noise level increase of 3 dBA. In general, a traffic noise increase of less than 3 dBA is barely perceptible to people, while a 5-dBA increase is readily noticeable (Caltrans,

[4] United States Environmental Protection Agency, *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*, 1971.

2013). Central Avenue, from Morton Avenue to Sycamore Street, has an average daily trip volume of 11,570 vehicles (Table 7). Construction is not anticipated to generate 11,570 trips along Central Avenue and would, therefore, not double the existing average daily trip volume along Central Avenue. Thus, construction related traffic noise would not be noticeable and would not generate traffic noise above the 83 dBA construction noise threshold listed in the City's Municipal Code.

Operations

Implementation of the project would create new sources of noise in the project vicinity. The major noise sources associated with the project that would potentially impact existing and future nearby residences include the following:

- Off-site traffic noise;
- Mechanical equipment (i.e., trash compactors, air conditioners, etc.);
- Delivery trucks on the project site, and approaching and leaving the loading areas;
- Activities at the loading areas (i.e., maneuvering and idling trucks, loading/unloading, and equipment noise);
- Parking areas (i.e., car door slamming, car radios, engine start-up, and car pass-by); and
- Landscape maintenance activities.

As discussed above, the closest sensitive receptors are located approximately 670 feet to the northeast of the project site. The City of Newark normally acceptable noise standards for residential uses and churches is 55 dBA L_{dn} and 60 dBA L_{dn} respectively. For commercial and industrial uses, the normally acceptable noise standard is 68 dBA L_{dn} and 70 dBA L_{dn}. The Newark Municipal Code section 17.24.100 limits noise levels from industrial uses to 70 dBA at the property line. The nearest industrial land use is approximately 40 feet from the project site. The General Plan also notes that an untrained human ear typically cannot detect a difference in sound levels of less than 3 dB.

Off-Site Traffic Noise

Implementation of the project would generate increased traffic volumes along study roadway segments. The project is expected to generate a net increase of average daily trips, which would result in noise increases on project area roadways. In general, a traffic noise increase of less than 3 dBA is barely perceptible to people, while a 5-dBA increase is readily noticeable (Caltrans, 2013). Generally, traffic volumes on project area roadways would have to approximately double for the resulting traffic noise levels to increase by 3 dBA. Therefore, permanent increases in ambient noise levels of less than 3 dBA would not be a perceivable noise increase.

As shown in Table 9: Existing and Project Traffic Noise, the existing traffic-generated noise level on project area roadways is between 57.1 dBA L_{dn} and 63.9 dBA L_{dn} at 100 feet from the centerline. As previously described, L_{dn} is 24-hour average noise level with a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively.

Traffic noise levels for roadways primarily affected by the project were calculated using the FHWA's Highway Noise Prediction Model (FHWA-RD-77-108). Traffic noise modeling was conducted for conditions with and without the project, based on traffic volumes (Kimley-Horn, 2023). As noted in Table 9, project noise levels 100 feet from the centerline would range from 57.1 dBA L_{dn} to 64.8 dBA L_{dn}. This would result

in resulting noise levels below the normally acceptable levels for both industrial uses of 70 L_{dn} and commercial uses of 68 L_{dn}. According to the traffic analysis prepared, the project would generate net new 3,339 daily PCE trips.

Table 9: Existing and Project Traffic Noise

Roadway Segment	Existing Conditions[2]		With Project		Change from No Project Conditions	Perceivable
	ADT	dBA L_{dn}[1]	ADT	dBA L_{dn}[1]		
Sycamore Street						
Central Avenue to Clark Avenue	4,900	57.1	4,900	57.1	0.0	**No**
Central Avenue						
Morton Avenue to Sycamore Street	13,160	62.8	13,570	62.9	0.1	**No**
Sycamore Street to West Project Driveway	16,360	63.7	16,910	63.9	0.2	**No**
West Project Driveway to East Project Driveway	16,360	63.7	20,130	64.6	0.9	**No**
East Project Driveway to Cherry Street	17,090	63.9	20,850	64.8	0.9	**No**

ADT = average daily trips; dBA = A-weighted decibels; L_{dn} = day-night noise levels

1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.
2. Existing ADT shows an elevated trip count which accounts for trips associated with the existing use on-site at the time of analysis. The difference between the elevated ADT and the baseline existing ADT is negligible and would not cause the operational traffic noise level increase to be perceivable.

Source: Based on data from the Transportation Analysis (Kimley-Horn, 2023). Refer to Appendix A for traffic noise modeling assumptions and results.

Stationary Noise Sources

Implementation of the project would create new sources of noise in the project vicinity from mechanical equipment, truck loading areas, parking lot noise, and landscape maintenance. Table 10: Stationary Source Noise Levels shows the noise levels generated by various stationary noise sources and the resulting noise level at the nearest receiver.[5] Table 10 also show the project's compliance with the exterior and interior noise standards listed in Table 4. Each stationary source is discussed below.

Mechanical Equipment

Regarding mechanical equipment, the project would generate stationary-source noise associated with heating, ventilation, and air conditioning (HVAC) units. HVAC units typically generate noise levels of approximately 55 dBA at 50 feet. The project property line would be located approximately 75 feet away and would experience a noise level of 52 dBA which is consistent with the 70 dBA municipal code standard. The closest sensitive receptors to the HVAC units would be the residential area 670 feet northeast of the project site. Note that HVAC units would be mounted on the building and set back from the property line. At the distance of 670 feet, the project's mechanical equipment noise levels would be 30 dBA. On the 24-hour L_{dn} scale and assuming the units would operate intermittently, the noise level would be 33 dBA L_{dn} and would be below the City's normally acceptable residential noise standard of 55 dBA L_{dn}. Typically, a conservative estimate for interior noise levels would be a 10 dBA reduction of the exterior noise level.[6] Therefore, interior noise levels produced by mechanical equipment on the project site at the closest

5 Distances are measured from the project site boundary to the property line of the nearest receiver.

6 Federal Highway Administration, *Technique for Reviewing Noise Analyses and Associated Noise Reports*, June 2018.

sensitive receptor would reach 23 dBA L_{dn} which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines from the Newark General Plan. At the nearest industrial receptor 150 feet northwest, noise levels would be 46 dBA L_{dn} which is also below the 70 dBA noise standard. At the nearest commercial receptor 170 feet northeast, noise levels would be 44 dBA L_{dn} which is also below the 68 dBA L_{dn} noise standard Therefore, mechanical equipment would produce noise levels consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

Loading Area Noise

The project is an industrial development that potential could include deliveries. The primary noise associated with deliveries is the arrival and departure of trucks. Operations of proposed project would potentially require a mixture of deliveries from vans, light trucks, and heavy-duty trucks. Normal deliveries typically occur during daytime hours. During loading and unloading activities, noise would be generated by the trucks' diesel engines, exhaust systems, and brakes during low gear shifting' braking activities; backing up toward the docks/loading areas; dropping down the dock ramps; and maneuvering away from the docks. The project is surrounded by industrial uses to the east, west, and south.

The closest residential receptors would be approximately 1,000 feet northwest of the project's loading area. While there would be temporary noise increases during truck maneuvering and engine idling, these impacts would be of short duration and infrequent. Additionally, loading noise levels would be further attenuated by intervening structures. Table 10 shows that trucks and loading area noise would not exceed the City's General Plan normally acceptable noise levels. Typically, heavy truck operations generate a noise level of 61 dBA at a distance of 50 feet, which would be approximately 68 dBA L_{dn}. The project property line would be located 55 feet away from loading dock areas. Noise generated by loading dock activities would reach 67 dBA at the project property line which is below the 70 dBA municipal code standard. At the nearest residential receptors, the project's loading area noise levels would be 42 dBA L_{dn} which is below the City's normally acceptable residential noise standard of 55 dBA. Due to the noise reduction from building attenuation, interior noise levels produced by loading area noise would reach 32 dBA L_{dn} at the closest sensitive receptor which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines. At the nearest industrial receptor 200 feet northeast of the project's loading area, exterior noise levels would be 56 dBA L_{dn} which is also below the normally acceptable 70 dBA noise standard. At the nearest commercial building, approximately 420 feet northwest of the loading dock area, noise levels would be 50 dBA L_{dn} which is below the 68 dBA L_{dn} noise standard. Therefore, loading areas would produce levels consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

Parking Areas

Traffic associated with parking areas is typically not of sufficient volume to exceed community noise standards, which are based on a time-averaged scale such as the CNEL or L_{dn} scale. However, the instantaneous maximum sound levels generated by a car door slamming, engine starting up and car pass-bys may be an annoyance to nearby noise-sensitive receptors. Parking lot noise can also be considered a "stationary" noise source. The instantaneous maximum sound levels generated by a car door slamming, engine starting up, and car pass-bys range from 53 to 61 dBA at 50 feet and may be an annoyance to noise-sensitive receptors. Conversations in parking areas may also be an annoyance to sensitive receptors. Sound levels of speech typically range from 33 dBA at 48 feet for normal speech to 50 dBA at 50 feet for very loud speech. It should be noted that parking lot noise are instantaneous noise levels compared to noise standards in the L_{dn} scale, which are averaged over time. As a result, actual noise levels over time resulting from parking lot activities would be far lower. The project parking lot is located adjacent to the project property line and would generate a noise level of 68 dBA which is below the 70 dBA municipal

code standard. The nearest residential property line would be located approximately 670 feet away from the project's parking areas. As Table 10 shows, noise generated from the parking lot would be at 40 dBA L_{dn} at closest residential receptor 670 feet northeast, which would not exceed the normally acceptable 55 dBA noise standard listed in Table EH-2 of the City's General Plan. Due to the reduction of noise from building attenuation, the project's parking areas would produce an interior noise level of 30 dBA L_{dn} at the nearest residential receptor which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines from the Newark General Plan. At the nearest industrial receptor property line located 40 feet northeast of the parking area, noise levels would be 64 dBA which is below the City's 70 dBA industrial standard. At the nearest commercial receptor, located 100 feet to the northwest, parking lot noise would produce a noise level of 56 dBA L_{dn} which is below the 68 dBA L_{dn} noise standard. Therefore, noise produced in parking areas would produce noise levels consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

Landscape Maintenance Activities

Development and operation of the project includes new landscaping that would require periodic maintenance. Noise generated by a gasoline-powered lawnmower is estimated to be approximately 70 dBA at a distance of five feet. Landscape maintenance activities would be 50 dBA at 50 feet away. Maintenance activities would operate during daytime hours for brief periods of time and would not permanently increase ambient noise levels in the project vicinity and would be consistent with activities that currently occur at the surrounding uses. Landscape maintenance would occur adjacent to the project property line. However, noise levels would reach approximately 63 dBA and would not exceed the 70 dBA municipal code standard. Table 10 shows that landscape maintenance noise would be at 20 dBA L_{dn} at the closest residential receptor 670 feet away. Due to the reduction of noise from building attenuation, interior noise levels produced by landscape maintenance activities on the project site at the nearest sensitive receptor would be 10 dBA L_{dn} which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines from the Newark General Plan. Therefore, landscape maintenance activities would be consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

Summary

As shown in Table 10, stationary sources would not exceed the City of Newark General Plan Land Use Compatibility Standards at the adjacent industrial use or nearest residential use. Additionally, noise levels would be further attenuated by intervening terrain and structures. Noise impacts from mechanical equipment, loading area, parking area, and landscape maintenance would below the allowable noise levels listed in Table EH-2 of the City's General Plan. Therefore, the project's operational noise would be consistent with Policy EH-7.7 in the Newark General Plan.

Table 10: Stationary Source Noise Levels

Nearest Land Use	Distance (feet)[1]	Reference Level at 50 ft (dBA L_{dn})[2]	Noise Level at Receiver (dBA L_{dn})	Exterior Noise Standard[6]	Exceed Standard
Mechanical Equipment					
Property Line	75	55 dBA[3]	52 dBA	70 dBA	No
Industrial (northeast)	150		46 dBA	70 dBA	No
Commercial (northwest)	170		44 dBA	68 dBA	No
Residence (northeast)	670		33 dBA	55 dBA	No
Church (northwest)	800		31 dBA	60 dBA	No
Loading Area					
Property Line	55	68 dBA[3]	67 dBA	70 dBA	No
Industrial (northeast)	200		56 dBA	70 dBA	No
Commercial (northwest)	420		50 dBA	68 dBA	No
Residence (northeast)	1,000		42 dBA	55 dBA	No
Church (northwest)	1,250		40 dBA	60 dBA	No
Parking Area					
Property Line	25	62 dBA[4]	68 dBA	70 dBA	No
Industrial (northeast)	40		64 dBA	70 dBA	No
Commercial (northwest)	100		56 dBA	68 dBA	No
Residence (northeast)	670		40 dBA	55 dBA	No
Church (northwest)	800		38 dBA	60 dBA	No
Landscape Maintenance					
Property Line	5	43 dBA[5]	63 dBA	70 dBA	No
Industrial (northeast)	40		45 dBA	70 dBA	No
Commercial (northwest)	100		37 dBA	68 dBA	No
Residence (northeast)	670		20 dBA	55 dBA	No
Church (northwest)	800		19 dBA	60 dBA	No

1. The distance is from the location of the operational noise source to the receptor property line.
2. Reference levels are adjusted for the Ldn scale and an acoustical usage factor to represent 24-hour noise levels. Mechanical, truck, and parking is conservatively assumed to occur anytime during the 24-hour period and landscape maintenance would only occur during the daytime.
3. Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.
4. Kariel, H. G., *Noise in Rural Recreational Environments*, Canadian Acoustics 19(5), 3-10, 1991.
5. U.S. EPA, *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*, 1971.
6. Table EH-2 of the Newark General Plan establishes normally acceptable noise standards of 55 dBA for residential zones, 60 dBA for churches, and 70 dBA for industrial. The Newark Municipal Code states the noise levels cannot exceed 70 dBA at an industrial-zoned property line.

6.2 VIBRATION IMPACTS

Threshold 6.2 Would the Project generate excessive groundborne vibration or groundborne noise levels?

Construction

Increases in ground-borne vibration levels attributable to the project would be primarily associated with construction-related activities. Construction on the project site would have the potential to result in varying degrees of temporary ground-borne vibration, depending on the specific construction equipment used and the operations involved. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. The effect on buildings located in the vicinity of the construction site often varies depending on soil type, ground strata, and construction characteristics of the receiver building(s). The results from vibration can range from no perceptible effects at the lowest vibration levels, to low rumbling sounds and perceptible vibration at moderate levels, to slight damage at the highest levels. Ground-borne vibrations from construction activities rarely reach levels that damage structures.

The FTA has published standard vibration velocities for construction equipment operations. In general, depending on the building category of the nearest buildings adjacent to the potential pile driving area, the potential construction vibration damage criteria vary. For example, for a building constructed with reinforced concrete with no plaster, the FTA guidelines show that a vibration level of up to 0.50 inch per second (in/sec) peak particle velocity (PPV) is considered safe and would not result in any construction vibration damage. In general, the FTA architectural damage criterion for continuous vibrations (i.e., 0.2 in/sec) appears to be conservative.

Table 11: Typical Construction Equipment Vibration Levels, lists vibration levels at 25 feet and 165 feet for typical construction equipment. Ground-borne vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. As indicated in Table 11, based on FTA data, vibration velocities from typical heavy construction equipment operations that would be used during project construction range from 0.0002 to 0.0052 in/sec PPV at 165 feet from the source of activity. Project construction would occur approximately 165 feet from the nearest off-site use, the industrial building located to the northeast, and approximately 670 feet from the nearest sensitive receptor located to the southwest. Therefore, the nearest sensitive receptor would not experience perceptible vibration levels.

Table 11: Typical Construction Equipment Vibration Levels

Equipment	Peak Particle Velocity At 25 feet (in/sec)	Peak Particle Velocity At 165 feet (in/sec)
Large Bulldozer	0.089	0.0052
Loaded Trucks	0.076	0.0045
Rock Breaker	0.059	0.0035
Jackhammer	0.035	0.0021
Small Bulldozer/Tractors	0.003	0.0002
1. Calculated using the following formula: $PPV_{equip} = PPV_{ref} \times (25/D)^{1.5}$, where: PPV_{equip} = the peak particle velocity in in/sec of the equipment adjusted for the distance; PPV_{ref} = the reference vibration level in in/sec from Table 7-4 of the Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, 2018; D = the distance from the equipment to the receiver.		
Source: Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, September 2018.		

As shown in Table 11, the highest vibration levels are achieved with the large bulldozer operations. This construction activity is expected to take place during grading. As discussed above, project construction would occur approximately 165 feet from the closest structure. Therefore, construction equipment vibration velocities would not exceed the FTA's vibration threshold of 0.2 in/sec ppv and, therefore, is consistent with Action EH-7.D of the General Plan. In general, other construction activities would occur throughout the project site and would not be concentrated at the point closest to the nearest structure. Therefore, vibration impacts associated with the project would not be perceivable.

Operations

The project would not generate ground-borne vibration that could be felt at surrounding uses. Project operations would not involve railroads or substantial heavy truck operations, and therefore would not result in vibration impacts at surrounding uses. As a result, impacts from vibration associated with project operation would not be perceivable.

The FTA and the City of Newark do not classify industrial structures as a sensitive land use category that is susceptible to groundborne vibration and noise. Therefore, the project would not be impacted by vibration generated through the nearby railroad track.

The City of Newark requires a vibration assessment for building located within 200 feet of a railroad, and for new residential uses, requires compliance with the vibration thresholds listed in the City's General Plan (per General Plan Action EH-7.E). The closest railroad is located 10 feet southwest from the edge of the project property and is approximately 60 feet from the proposed building. The level of impact from railway vibration is influenced by multiple factors including train type, receiver building type, and geological factors. The FTA provides guidance and a reference vibration level for different types of trains at 50 feet. The highest level of vibration identified by the FTA are upper range commuter rails that produce a vibration velocity of 85 VdB at 50 feet. Common commuter rails and rapid transit trains produce a level between 70 VdB and 75 VdB at 50 feet. The FTA notes that damage for typical buildings occurs at 100 VdB and a vibration level of 85 VdB in a residence can result in strong annoyance.[7] The FTA's vibration screening procedure applies to high sensitivity buildings, residential buildings, and institutional buildings. Industrial buildings such as the proposed project are not considered vibration sensitive.[8]

[7] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, page 113, 2018.

[8] The FTA notes that if no vibration-sensitive land uses are identified, no further vibration analysis is needed (Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, page 136, 2018).

As mentioned previously, the project building is located 60 feet away from the operation of the railroad track. Therefore, the building would be below the 100 VdB building damage threshold defined in the FTA Transit Noise and Vibration Impact Assessment Manual. Additionally, due to the distance, future receptors inside the proposed industrial building also would not experience vibration levels exceeding the 85 VdB annoyance level. Notwithstanding that, and as noted above, industrial uses are not considered vibration-sensitive.

6.3 AIRPORT NOISE

Threshold 6.3 For a Project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?

The project site is not located within the two miles of a public airport or public airport use. The nearest airport to the project site is the Hayward Executive Airport located approximately 10 miles north of the project site. Therefore, the project would not expose people residing or working in the project area to excessive airport- or airstrip-related noise levels and impacts would be less than significant.

6.4 CUMULATIVE NOISE IMPACTS

Noise by definition is a localized phenomenon, and drastically reduces as distance from the source increases. The future noise impacts involve development of the project in combination with ambient growth and other related development projects. As noise levels decrease as distance from the source increases, only projects in the nearby area could combine with the project to potentially result in future noise impacts.

Future Newark Noise Regulations

The Newark General Plan Policy EH-7.7 requires an analysis of the project with the future adopted noise policies. The City of Newark General Plan Tune Up EIR from 2013 considered the current noise standards listed in the General Plan to evaluate the City's development through 2035. Therefore, the current noise standards listed in the City of Newark General Plan are not anticipated to be updated in the near future as the current standards were analyzed and approved in the General Plan Tune Up EIR for the City's buildout till 2035.

Cumulative Construction Noise

The project's construction activities would not result in a substantial temporary increase in ambient noise levels. The City permits construction hours within the hours of 7:00 a.m. to 7:00 p.m. on Monday through Saturday and 10:00 a.m. and 6:00 p.m. on Sundays and holidays. The project would contribute to other proximate construction noise impacts if construction activities were conducted concurrently. However, based on the noise analysis above, the project's construction-related noise impacts would be consistent with the City's regulations outlined in this study.

Construction activities at any future planned and approved projects would be required to take place during daytime hours, and the City and project applicants would be required to evaluate construction noise impacts and implement mitigation, if necessary, to minimize noise impacts. Each project would be required to comply with the applicable City of Newark General Plan and Municipal Code limitations on

allowable noise levels and hours of construction. Therefore, project construction would not contribute to future noise impacts and impacts in this regard are not considerable.

Cumulative Operational Noise

Future noise impacts describe how much noise levels are projected to increase over existing conditions with the development of the project and other foreseeable projects. Future noise impacts would occur primarily as a result of increased traffic on local roadways due to buildout of the project and other projects in the vicinity. However, noise from generators and other stationary sources could also generate additional noise levels. The Newark General Plan Policy EH-7.7 requires an estimate of future noise levels 20 years in the future. These future noise levels would be compared to the noise level standards established in Table EH-2 of the General Plan.

Stationary Noise

As discussed above, impacts from the project's operations would be below the thresholds listed in the General Plan. Due to site distance, intervening land uses, and the fact that noise dissipates as it travels away from its source, noise impacts from on-site activities and other stationary sources would be limited to the project site and vicinity. After review of the City of Newark current project list and specific plan list, there is one project, the Central Avenue Overpass, that is within 2,000 feet of the project vicinity and would impact future noise levels.[9,10] As mentioned previously, the City of Newark has planned and funded the construction of an overpass on Central Avenue that would start on the northwest face of the project site. This overpass construction would extend along the project frontage from Sycamore Street to Morton Avenue. This structure would attenuate any operational stationary noise produced on-site and would reduce the impact at nearby receptors across Central Avenue. Therefore, future stationary noise levels would be lower than the levels listed above. Stationary equipment on-site would also include improved technology 20 years in the future which would further reduce noise generated by the project. Therefore, future stationary equipment noise levels are estimated to be below the noise levels listed above and future impacts related to stationary noise would be below normally acceptable noise standards listed in Table EH-2 of the Newark General Plan. Thus, future operational noise impacts from related projects, in conjunction with project-specific noise impacts, would be consistent with the City's General Plan.

Traffic Noise

As discussed above, project related traffic noise increases would not be perceivable with implementation of the project. As mentioned previously, there is only one project nearby that would impact future noise. However, the implementation of the Central Avenue Overpass would not result in an increase of traffic noise in the surrounding area. As mentioned previously, the City of Newark has planned and funded the construction of an overpass on Central Avenue that would be built over the nearby railroad track. The existing ambient noise includes traffic noise generated from driving over railroad tracks. Therefore, construction of the overpass would no longer contribute to noise in the area. Furthermore, the overpass would not generate additional future trips on Central Avenue. The Overpass project is anticipated to provide roadway traffic congestion relief and a reduction in conflicts between rail traffic and the general public.[11] Additionally, the future sale and use of EV trucks and cars would further reduce noise levels on

[9] City of Newark, Specific Plans and Master Plans, Accessed at https://www.newark.org/departments/community-development/specific-plans-master-plans.

[10] City of Newark, Projects Under Environmental Review, Accessed at https://www.newark.org/departments/community-development/planning-division/projects-under-environmental-review.

[11] Alameda County Transportation Commission, *Dumbarton Corridor Improvements (Central Avenue Overpass)*, July 2018.

the surrounding roadways in the next 20 years. Therefore, future traffic noise surrounding the project site are estimated to remain below the noise standards listed in the Newark General Plan. Thus, the future operational traffic noise impacts from related projects, in conjunction with project-specific noise impacts, would be consistent with the City's General Plan.

7 REFERENCES

1. Alameda County Transportation Commission, *Dumbarton Corridor Improvements (Central Avenue Overpass)*, July 2018.
2. California Department of Transportation, *Traffic Noise Analysis Protocol*, 2020.
3. California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, 2013.
4. City of Newark, *City of Newark General Plan*, 2013.
5. City of Newark, *General Plan Tune Up Draft Program EIR*, 2013.
6. City of Newark, *Municipal Code*, 2022.
7. City of Newark, Projects Under Environmental Review, Accessed at https://www.newark.org/departments/community-development/planning-division/projects-under-environmental-review.
8. City of Newark, Specific Plans and Master Plans, Accessed at https://www.newark.org/departments/community-development/specific-plans-master-plans.
9. Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden. *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.
10. Kariel, H. G., *Noise in Rural Recreational Environments*, Canadian Acoustics 19(5), 3-10, 1991.
11. Federal Highway Administration, *Highway Traffic and Construction Noise - Problem and Response*, April 2006.
12. Federal Highway Administration, *Technique for Reviewing Noise Analyses and Associated Noise Reports*, June 2018.
13. Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, 1992.
14. Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018.
15. United States Environmental Protection Agency, *Protective Noise Levels (EPA 550/9-79-100)*, 1979.

Appendix A

Noise Data

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	1	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	2:00 PM
Location:	Church on at Clark Avenue and Sycamore Street		
Noise Sources:	Traffic along Clark Avenue and Sycamore Street, Industrial Noise		
Comments:			

Results (dBA):

	Leq:	**Lmin:**	**Lmax:**	**Peak:**
Measurement 1:	59.7	51.0	74.5	98.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	64°
Wind (mph):	8
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	33%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.034.s	Computer's File Name	LxTse_0006073-20230125 145720-LxT_Data.034.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 14:57:20	Duration	0:10:00.0		
End Time	2023-01-25 15:07:20	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	59.7 dB		
LAE	87.5 dB	SEA	--- dB
EA	62.2 µPa²h		
LZ_{peak}	98.7 dB	2023-01-25 15:03:07	
LAS_{max}	74.5 dB	2023-01-25 14:58:24	
LAS_{min}	51.0 dB	2023-01-25 14:58:02	
LA_{eq}	59.7 dB		
LC_{eq}	67.9 dB	LC_{eq} - LA_{eq}	8.2 dB
LAI_{eq}	61.7 dB	LAI_{eq} - LA_{eq}	2.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
59.7 dB	59.7 dB	0.0 dB

LDEN	LDay	LEve	LNight
59.7 dB	59.7 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	59.7 dB		67.9 dB		--- dB	
$Ls_{(max)}$	74.5 dB	2023-01-25 14:58:24	--- dB	None	--- dB	None
$LS_{(min)}$	51.0 dB	2023-01-25 14:58:02	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	98.7 dB	2023-01-25 15:03:07

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	5	0:00:13.1

Statistics

LAS 5.0	65.6 dB
LAS 10.0	62.6 dB
LAS 33.3	56.6 dB
LAS 50.0	54.9 dB
LAS 66.6	53.8 dB
LAS 90.0	52.6 dB

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	2	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	2:19 PM
Location:	Parking lot northeast of the Project Site		
Noise Sources:	Traffic along Central Avenue, Industrial Noise, Parking Lot Noise		
Comments:			

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	59.0	55.1	64.7	103.3

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	65°
Wind (mph):	6
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	32%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.035.s	Computer's File Name	LxTse_0006073-20230125 151659-LxT_Data.035.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 15:16:59	Duration	0:10:00.0		
End Time	2023-01-25 15:26:59	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	59.0 dB		
LAE	86.8 dB	SEA	--- dB
EA	53.0 µPa²h		
LZ_{peak}	103.3 dB	2023-01-25 15:26:52	
LAS_{max}	64.7 dB	2023-01-25 15:22:44	
LAS_{min}	55.1 dB	2023-01-25 15:22:18	
LA_{eq}	59.0 dB		
LC_{eq}	72.1 dB	LC_{eq} - LA_{eq}	13.1 dB
LAI_{eq}	60.5 dB	LAI_{eq} - LA_{eq}	1.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
59.0 dB	59.0 dB	0.0 dB

LDEN	LDay	LEve	LNight
59.0 dB	59.0 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	59.0 dB		72.1 dB		--- dB	
$Ls_{(max)}$	64.7 dB	2023-01-25 15:22:44	--- dB	None	--- dB	None
$LS_{(min)}$	55.1 dB	2023-01-25 15:22:18	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	103.3 dB	2023-01-25 15:26:52

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	23	0:00:59.7

Statistics

LAS 5.0	61.7 dB
LAS 10.0	60.9 dB
LAS 33.3	59.3 dB
LAS 50.0	58.6 dB
LAS 66.6	57.8 dB
LAS 90.0	56.5 dB

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	3	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	2:37 PM
Location:	Central Avenue southwest of the Project site		
Noise Sources:	Traffic along Central Avenue an, Industrial Noise		
Comments:	Noise generated by cars going over railroad tracks		

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	72.1	55.4	84.5	109.6

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	65°
Wind (mph):	6
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	32%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.036.s	Computer's File Name	LxTse_0006073-20230125 153418-LxT_Data.036.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 15:34:18	Duration	0:10:00.0		
End Time	2023-01-25 15:44:18	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	72.1 dB		
LAE	99.9 dB	SEA	--- dB
EA	1.1 mPa²h		
LZ_{peak}	109.6 dB	2023-01-25 15:43:08	
LAS_{max}	84.5 dB	2023-01-25 15:43:09	
LAS_{min}	55.4 dB	2023-01-25 15:40:18	
LA_{eq}	72.1 dB		
LC_{eq}	78.8 dB	LC_{eq} - LA_{eq}	6.7 dB
LAI_{eq}	74.8 dB	LAI_{eq} - LA_{eq}	2.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
72.1 dB	72.1 dB	0.0 dB

LDEN	LDay	LEve	LNight
72.1 dB	72.1 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	72.1 dB		78.8 dB		--- dB	
$Ls_{(max)}$	84.5 dB	2023-01-25 15:43:09	--- dB	None	--- dB	None
$LS_{(min)}$	55.4 dB	2023-01-25 15:40:18	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	109.6 dB	2023-01-25 15:43:08

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	49	0:04:14.7

Statistics

LAS 5.0	77.2 dB
LAS 10.0	75.5 dB
LAS 33.3	71.5 dB
LAS 50.0	69.4 dB
LAS 66.6	67.7 dB
LAS 90.0	63.3 dB

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	LT-1	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	3:21 PM
Location:	Intersection of Central Avenue and Sycamore Street		
Noise Sources:	Traffic along Central Avenue and Sycamore Street, Industrial Noise		
Comments:			

Results (dBA):

	Leq:	**Lmin:**	**Lmax:**	**Peak:**
Measurement 1:	69.6	51.9	96.1	117.0

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	
Wind (mph):	<10
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	33%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.037.s	Computer's File Name	LxTse_0006073-20230125 161838-LxT_Data.037.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 16:18:38	Duration	24:00:00.0		
End Time	2023-01-26 16:18:38	Run Time	24:00:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	69.6 dB		
LAE	119.0 dB	SEA	--- dB
EA	87.6 mPa²h		
LZ_{peak}	117.0 dB	2023-01-25 20:12:02	
LAS_{max}	96.1 dB	2023-01-26 13:41:33	
LAS_{min}	51.9 dB	2023-01-26 16:18:20	
LA_{eq}	69.6 dB		
LC_{eq}	77.4 dB	LC_{eq} - LA_{eq}	7.8 dB
LAI_{eq}	71.6 dB	LAI_{eq} - LA_{eq}	2.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	50	0:02:29.9
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
73.6 dB	70.9 dB	0.0 dB

LDEN	LDay	LEve	LNight
74.1 dB	71.1 dB	69.6 dB	66.1 dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	69.6 dB		77.4 dB		--- dB	
$Ls_{(max)}$	96.1 dB	2023-01-26 13:41:33	--- dB	None	--- dB	None
$LS_{(min)}$	51.9 dB	2023-01-26 16:18:20	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	117.0 dB	2023-01-25 20:12:02

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	2957	4:10:42.5

Statistics

LAS 5.0	74.9 dB
LAS 10.0	72.8 dB
LAS 33.3	67.7 dB
LAS 50.0	65.1 dB
LAS 66.6	62.8 dB
LAS 90.0	59.4 dB

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: 6750 Central Avenue Project
Project Number:
Scenario: Existing
Ldn/CNEL: Ldn

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

							Vehicle Mix		Distance from Centerline of Roadway				
				Median	ADT	Speed	Alpha	Medium	Heavy	Ldn at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 Ldn	65 Ldn	60 Ldn	55 Ldn
1	Sycamore St	Central Ave to Clark Ave	2	11	4,900	35	0	2.0%	1.0%	57.1	-	-	51	160
2	Central Ave	Morton Ave to Sycamore St	4	25	13,160	40	0	2.0%	1.0%	62.8	-	60	189	598
3	Central Ave	Sycamore St to West Project Driveway	4	25	16,360	40	0	2.0%	1.0%	63.7	-	74	235	743
4	Central Ave	West Project Driveway to East Project Driveway	4	25	16,360	40	0	2.0%	1.0%	63.7	-	74	235	743
5	Central Ave	East Project Driveway to Cherry St	4	25	17,090	40	0	2.0%	1.0%	63.9	-	78	246	776

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: 6750 Central Avenue Project
Project Number:
Scenario: Existing Plus Project
Ldn/CNEL: Ldn

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	Ldn at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 Ldn	65 Ldn	60 Ldn	55 Ldn
1	Sycamore St	Central Ave to Clark Ave	2	11	4,900	35	0	2.0%	1.0%	57.1	-	-	51	160
2	Central Ave	Morton Ave to Sycamore St	4	25	13,570	40	0	2.0%	1.0%	62.9	-	62	195	616
3	Central Ave	Sycamore St to West Project Driveway	4	25	16,910	40	0	2.0%	1.0%	63.9	-	77	243	768
4	Central Ave	West Project Driveway to East Project Driveway	4	25	20,130	40	0	2.0%	1.0%	64.6	-	91	289	915
5	Central Ave	East Project Driveway to Cherry St	4	25	20,850	40	0	2.0%	1.0%	64.8	-	95	300	947

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

General Plan Noise Policy Consistency Analysis
6750 Central Avenue Project
City of Newark, California

Prepared by:
Kimley-Horn and Associates, Inc.
10 S. Almaden Boulevard, Suite 1250
San José, CA 95113
Contact: Ms. Noemi Wyss
669.800.4152

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Appendix A: Noise Data

LIST OF ABBREVIATED TERMS

ADT	average daily traffic
dBA	A-weighted sound level
CNEL	community equivalent noise level
L_{dn}	day-night noise level
dB	decibel
L_{eq}	equivalent noise level
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
HVAC	heating ventilation and air conditioning
Hz	hertz
in/sec	inches per second
L_{max}	maximum noise level
µPa	micropascals
L_{min}	minimum noise level
PPV	peak particle velocity
RMS	root mean square
sf	square feet
VdB	vibration velocity level

1 INTRODUCTION

This analysis is in response to the City of Newark's request for compliance with General Plan Policy EH-7.7 and Action EH-7.E for the 6750 Central Avenue Project ("project" or "proposed project"). The purpose of this analysis is to evaluate the project's noise compatibility with surrounding land uses and the vibration impacts from a nearby railway on the project.

1.1 PROJECT LOCATION

The proposed project is located at 6750 Central Avenue in Newark, California. Figure 1: Regional Vicinity and Figure 2: Site Vicinity, depict the project site in a regional and local context. The project site is located in an urban area with a mix of surrounding uses including commercial, office, residential and industrial uses. The proposed project's existing land use designation is General Industrial and existing zoning designation is Employment District. The project site is currently developed with an industrial warehouse, commercial space, and a truck trailer repair yard.

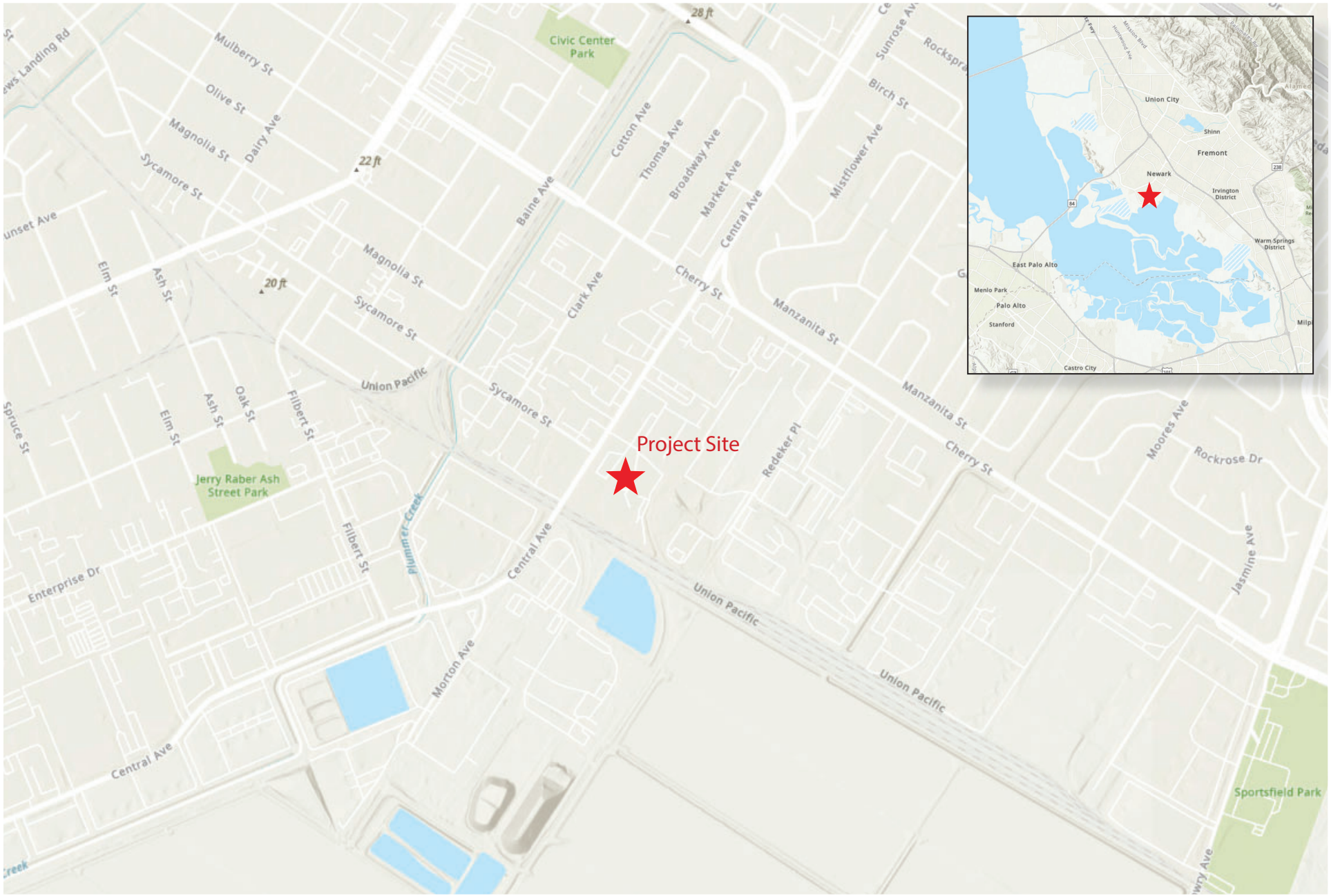
1.2 PROJECT DESCRIPTION

The project intends to redevelop the property as a modern industrial facility. The proposed project would demolish the existing on-site facilities and redevelop the property with a new approximately 315,390 square feet (sf) warehouse building. The proposed warehouse building would contain approximately 281,584 sf of warehouse space and 33,806 sf of office space (refer to Figure 3: Project Site Plan). The warehouse building would include 48 dock doors located on the southeast façade. The proposed project includes surface parking with 401 automobile (passenger vehicle) spaces.

Access to the project site would be provided by two 40-foot driveways located on the northwest corner of the site from Central Avenue. The northern driveway would provide access for trucks and trailers, in addition to passenger vehicles. The southern driveway would provide primary access for passenger vehicles. The project includes a stormwater retention area on the southern corner of the project site.

It should be noted that the City of Newark has approved and funded the installation of an overpass along the project frontage on Central Avenue. This roadway improvement would construct a four-lane grade separation structure that extends from Sycamore Street to Morton Avenue above the railway south of the project site.[1] This construction and operation of this roadway improvement would alter noise and vibration levels in the surrounding area and is the impact of its installation is analyzed in the discussion below.

[1] Alameda County Transportation Commission, *Dumbarton Corridor Improvements (Central Avenue Overpass)*, July 2018.



Source: USGS, 2023

Figure 1: Regional Location Map

6750 Central Avenue Project

Not to scale

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Source: Nearmap, 2023

Figure 2: Project Vicinity Map

6750 Central Avenue Project

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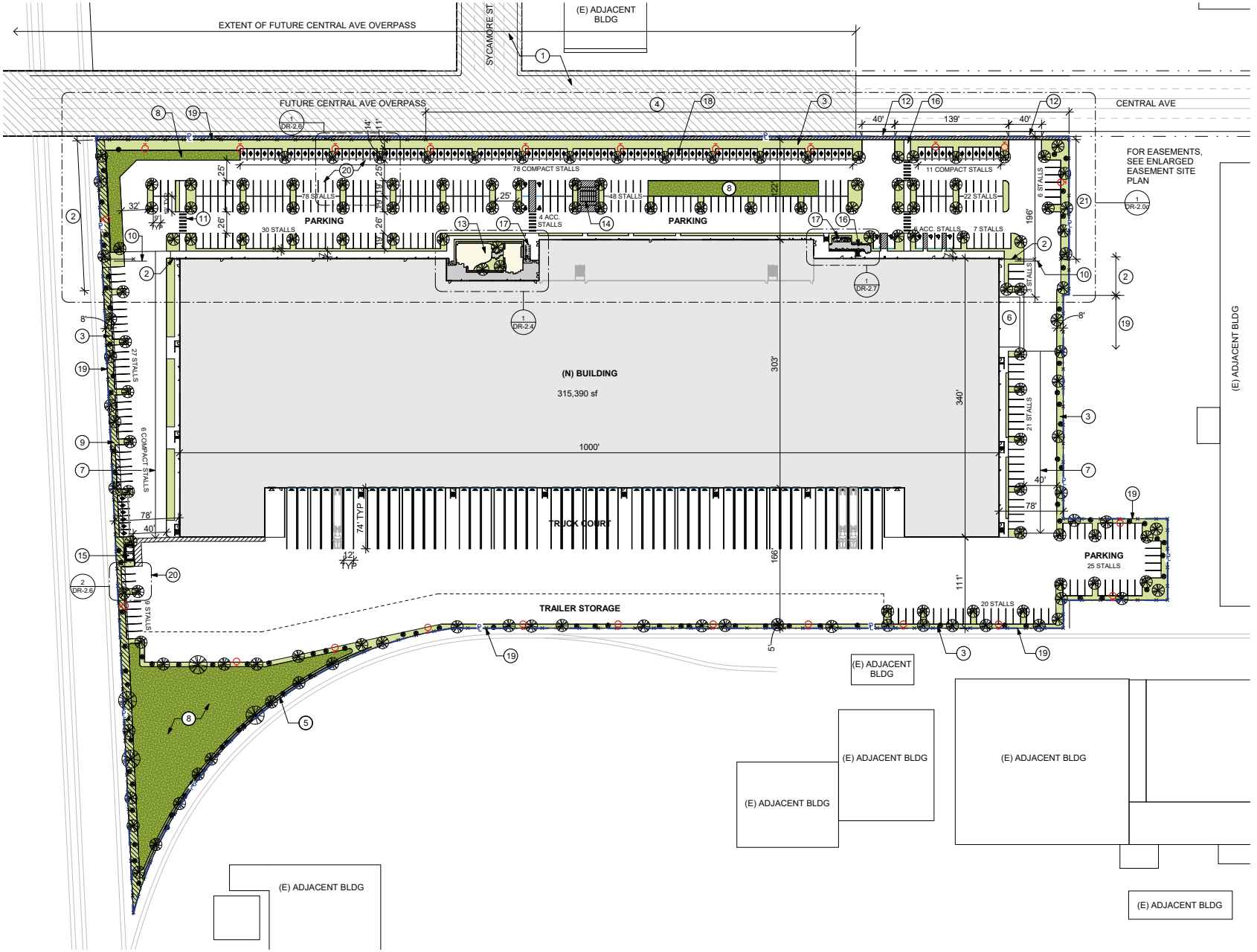

Source: Jackson Liles Architecture, March 2023

Figure 3: Conceptual Site Plan

6750 Central Avenue Project

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2 ACOUSTIC FUNDAMENTALS

2.1 SOUND AND ENVIRONMENTAL NOISE

Acoustics is the science of sound. Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a medium (e.g. air) to human (or animal) ear. If the pressure variations occur frequently enough (at least 20 times per second), they can be heard and are called sound. The number of pressure variations per second is called the frequency of sound and is expressed as cycles per second, or hertz (Hz).

Noise is defined as loud, unexpected, or annoying sound. The fundamental acoustics model consists of a noise source, receptor, and the propagation path between the two. The loudness of the noise source, obstructions, or atmospheric factors affecting the propagation path, determine the perceived sound level and noise characteristics at the receptor. Acoustics deal primarily with the propagation and control of sound. A typical noise environment consists of ambient noise that is the sum of many distant and indistinguishable noise sources. The sound from individual local sources is superimposed on this background noise. These sources can vary from an occasional aircraft or train passing by to continuous noise from traffic on a major highway. Perceptions of sound and noise are highly subjective from person to person.

Measuring sound directly in terms of pressure would require a large range of numbers. To avoid this, the decibel (dB) scale was devised. The dB scale uses the hearing threshold of 20 micropascals (µPa) as a point of reference, defined as 0 dB. Other sound pressures are then compared to this reference pressure, and the logarithm is taken to keep the numbers in a practical range. The dB scale allows a million-fold increase in pressure to be expressed as 120 dB, and changes in levels correspond closely to human perception of relative loudness. Table 1: Typical Noise Levels provides typical noise levels.

Table 1: Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	– 110 –	Rock Band
Jet fly-over at 1,000 feet		
	– 100 –	
Gas lawnmower at 3 feet		
	– 90 –	
Diesel truck at 50 feet at 50 miles per hour		Food blender at 3 feet
	– 80 –	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	– 70 –	Vacuum cleaner at 10 feet
Commercial area		Normal Speech at 3 feet
Heavy traffic at 300 feet	– 60 –	
		Large business office
Quiet urban daytime	– 50 –	Dishwasher in next room
Quiet urban nighttime	– 40 –	Theater, large conference room (background)
Quiet suburban nighttime		
	– 30 –	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	– 20 –	
		Broadcast/recording studio
	– 10 –	
Lowest threshold of human hearing	– 0 –	Lowest threshold of human hearing

Source: California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, September 2013.

Noise Descriptors

The dB scale alone does not adequately characterize how humans perceive noise. The dominant frequencies of a sound have a substantial effect on the human response to that sound. Several rating scales have been developed to analyze the adverse effect of community noise on people. Because environmental noise fluctuates over time, these scales consider that the effect of noise on people is largely dependent on the total acoustical energy content of the noise, as well as the time of day when the noise occurs. Most commonly, environmental sounds are described in terms of equivalent noise level (L_{eq}) that has the same acoustical energy as the summation of all the time-varying events. While L_{eq} represents the continuous sound pressure level over a given period, the day-night noise level (L_{dn}) and Community Equivalent Noise Level (CNEL) are measures of energy average during a 24-hour period, with dB weighted sound levels from 7:00 p.m. to 7:00 a.m. Each is applicable to this analysis and defined Table 2: Definitions of Acoustical Terms.

Table 2: Definitions of Acoustical Terms

Term	Definitions
Decibel (dB)	A unit describing the amplitude of sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure. The reference pressure for air is 20.
Sound Pressure Level	Sound pressure is the sound force per unit area, usually expressed in µPa (or 20 micronewtons per square meter), where 1 pascals is the pressure resulting from a force of 1 newton exerted over an area of 1 square meter. The sound pressure level is expressed in dB as 20 times the logarithm to the base 10 of the ratio between the pressures exerted by the sound to a reference sound pressure (e.g. 20 µPa). Sound pressure level is the quantity that is directly measured by a sound level meter.
Frequency (Hz)	The number of complete pressure fluctuations per second above and below atmospheric pressure. Normal human hearing is between 20 Hz and 20,000 Hz. Infrasonic sound are below 20 Hz and ultrasonic sounds are above 20,000 Hz.
A-Weighted Sound Level (dBA)	The sound pressure level in dB as measured on a sound level meter using the A-weighting filter network. The A-weighting filter de-emphasizes the very low and very high frequency components of the sound in a manner similar to the frequency response of the human ear and correlates well with subjective reactions to noise.
Equivalent Noise Level (L_{eq})	The average acoustic energy content of noise for a stated period of time. Thus, the L_{eq} of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
Maximum Noise Level (L_{max}) Minimum Noise Level (L_{min})	The maximum and minimum dBA during the measurement period.
Day-Night Noise Level (L_{dn})	A 24-hour average Leq with a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity at nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour Leq would result in a measurement of 66.4 dBA L_{dn}.
Community Noise Equivalent Level (CNEL)	A 24-hour average Leq with a 5 dBA weighting during the hours of 7:00 a.m. to 10:00 a.m. and a 10 dBA weighting added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively. The logarithmic effect of these additions is that a 60 dBA 24-hour Leq would result in a measurement of 66.7 dBA CNEL.
Ambient Noise Level	The composite of noise from all sources near and far. The normal or existing level of environmental noise at a given location.
Intrusive	That noise which intrudes over and above the existing ambient noise at a given location. The relative intrusiveness of a sound depends on its amplitude, duration, frequency, and time of occurrence and tonal or informational content as well as the prevailing ambient noise level.

Because sound levels can vary markedly over a short period of time, a method for describing either the sound's average character (L_{eq}) or the variations' statistical behavior (L_{xx}) must be utilized. The scientific instrument used to measure noise is the sound level meter. Sound level meters can accurately measure environmental noise levels to within about plus or minus 1 dBA. Various computer models are used to predict environmental noise levels from sources, such as roadways and airports. The predicted models' accuracy depends on various factors, such as the distance between the noise receptor and noise source, the character of the ground surface (e.g., hard or soft), and the presence or absence of structures (e.g., walls or buildings) or topography, and how well model inputs reflect these conditions.

A-Weighted Decibels

The A-weighted decibel (dBA) sound level scale gives greater weight to the frequencies of sound to which the human ear is most sensitive. The perceived loudness of sounds is dependent on many factors, including sound pressure level and frequency content. However, within the usual range of environmental noise levels, perception of loudness is relatively predictable and can be approximated by dBA values. There is a strong correlation between dBA and the way the human ear perceives sound. For this reason, the dBA has become the standard tool of environmental noise assessment. All noise levels reported in this document are in terms of dBA, but are expressed as dB, unless otherwise noted.

Addition of Decibels

The dB scale is logarithmic, not linear, and therefore sound levels cannot be added or subtracted through ordinary arithmetic. Two sound levels 10 dB apart differ in acoustic energy by a factor of 10. When the standard logarithmic dB is A-weighted, an increase of 10 dBA is generally perceived as a doubling in loudness. For example, a 70-dBA sound is half as loud as an 80-dBA sound and twice as loud as a 60-dBA sound. When two identical sources are each producing sound of the same loudness, the resulting sound level at a given distance would be 3 dBA higher than one source under the same conditions. Under the dB scale, three sources of equal loudness together would produce an increase of approximately 5 dBA.

Sound Propagation and Attenuation

Sound spreads (propagates uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB for each doubling of distance from a stationary or point source. Sound from a line source, such as a highway, propagates outward in a cylindrical pattern. Sound levels attenuate at a rate of approximately 3 dB for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics. No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed. For line sources, an overall attenuation rate of 3 dB per doubling of distance is assumed.

Noise levels may also be reduced by intervening structures; generally, a single row of buildings between the receptor and the noise source reduces the noise level by about 5 dBA, while a solid wall or berm reduces noise levels by 5 to 10 dBA. The way older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. The exterior-to-interior reduction of newer residential units is generally 30 dBA or more.

Human Response to Noise

The human response to environmental noise is subjective and varies considerably from individual to individual. Noise in the community has often been cited as a health problem, not in terms of actual physiological damage, such as hearing impairment, but in terms of inhibiting general well-being and

contributing to undue stress and annoyance. The health effects of noise in the community arise from interference with human activities, including sleep, speech, recreation, and tasks that demand concentration or coordination. Hearing loss can occur at the highest noise intensity levels.

Noise environments and consequences of human activities are usually well represented by median noise levels during the day or night or over a 24-hour period. Environmental noise levels are generally considered low when the CNEL is below 60 dBA, moderate in the 60 to 70 dBA range, and high above 70 dBA. Examples of low daytime levels are isolated, natural settings with noise levels as low as 20 dBA and quiet, suburban, residential streets with noise levels around 40 dBA. Noise levels above 45 dBA at night can disrupt sleep. Examples of moderate-level noise environments are urban residential or semi-commercial areas (typically 55 to 60 dBA) and commercial locations (typically 60 dBA). People may consider louder environments adverse, but most will accept the higher levels associated with noisier urban residential or residential-commercial areas (60 to 75 dBA) or dense urban or industrial areas (65 to 80 dBA). Regarding increases in dBA, the following relationships should be noted:

- Except in carefully controlled laboratory experiments, a 1-dBA change cannot be perceived by humans.
- Outside of the laboratory, a 3-dBA change is considered a just-perceivable difference.
- A minimum 5-dBA change is required before any noticeable change in community response would be expected. A 5-dBA increase is typically considered substantial.
- A 10-dBA change is subjectively heard as an approximate doubling in loudness and would almost certainly cause an adverse change in community response.

Effects of Noise on People

Hearing Loss. While physical damage to the ear from an intense noise impulse is rare, a degradation of auditory acuity can occur even within a community noise environment. Hearing loss occurs mainly due to chronic exposure to excessive noise but may be due to a single event such as an explosion. Natural hearing loss associated with aging may also be accelerated from chronic exposure to loud noise. The Occupational Safety and Health Administration has a noise exposure standard that is set at the noise threshold where hearing loss may occur from long-term exposures. The maximum allowable level is 90 dBA averaged over 8 hours. If the noise is above 90 dBA, the allowable exposure time is correspondingly shorter.

Annoyance. Attitude surveys are used for measuring the annoyance felt in a community for noises intruding into homes or affecting outdoor activity areas. In these surveys, it was determined that causes for annoyance include interference with speech, radio and television, house vibrations, and interference with sleep and rest. The L_{dn} as a measure of noise has been found to provide a valid correlation of noise level and the percentage of people annoyed. People have been asked to judge the annoyance caused by aircraft noise and ground transportation noise. There continues to be disagreement about the relative annoyance of these different sources. A noise level of about 55 dBA L_{dn} is the threshold at which a substantial percentage of people begin to report annoyance[2].

2.2 GROUNDBORNE VIBRATION

Sources of groundborne vibrations include natural phenomena (earthquakes, volcanic eruptions, sea waves, landslides, etc.) or man-made causes (explosions, machinery, traffic, trains, construction equipment, etc.). Vibration sources may be continuous (e.g., factory machinery) or transient (e.g.,

[2] Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, August 1992.

explosions). Ground vibration consists of rapidly fluctuating motions or waves with an average motion of zero. Several different methods are typically used to quantify vibration amplitude. One is the peak particle velocity (PPV); another is the root mean square (RMS) velocity. The PPV is defined as the maximum instantaneous positive or negative peak of the vibration wave and is expressed in terms of inches-per-second (in/sec). The RMS velocity is defined as the average of the squared amplitude of the signal and is expressed in terms of velocity decibels (VdB). The PPV and RMS vibration velocity amplitudes are used to evaluate human response to vibration.

Table 3: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations, displays the reactions of people and the effects on buildings produced by continuous vibration levels. The annoyance levels shown in the table should be interpreted with care since vibration may be found to be annoying at much lower levels than those listed, depending on the level of activity or the individual sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Low-level vibrations frequently cause irritating secondary vibration, such as a slight rattling of windows, doors, or stacked dishes. The rattling sound can give rise to exaggerated vibration complaints, even though there is very little risk of actual structural damage. In high noise environments, which are more prevalent where groundborne vibration approaches perceptible levels, this rattling phenomenon may also be produced by loud airborne environmental noise causing induced vibration in exterior doors and windows.

Table 3: Human Reaction and Damage to Buildings for Continuous or Frequent Intermittent Vibrations

Maximum PPV (in/sec)	Vibration Annoyance Potential Criteria	Vibration Damage Potential Threshold Criteria	FTA Vibration Damage Criteria
0.008	-	Extremely fragile historic buildings, ruins, ancient monuments	-
0.01	Barely Perceptible	-	-
0.04	Distinctly Perceptible	-	-
0.1	Strongly Perceptible	Fragile buildings	-
0.12	-	-	Buildings extremely susceptible to vibration damage
0.2	-	-	Non-engineered timber and masonry buildings
0.25	-	Historic and some old buildings	-
0.3	-	Older residential structures	Engineered concrete and masonry (no plaster)
0.4	Severe	-	-
0.5	-	New residential structures, Modern industrial/commercial buildings	Reinforced-concrete, steel, or timber (no plaster)
PPV = peak particle velocity; in/sec = inches per second; FTA = Federal Transit Administration			
Source: California Department of Transportation, Transportation and Construction Vibration Guidance Manual, 2020 and Federal Transit administration; Transit Noise and Vibration Assessment Manual, 2018.			

Ground vibration can be a concern in instances where buildings shake, and substantial rumblings occur. However, it is unusual for vibration from typical urban sources such as buses and heavy trucks to be perceptible. Common sources for groundborne vibration are planes, trains, and construction activities such as earth-moving, which requires the use of heavy-duty earth moving equipment. For the purposes of this analysis, a PPV descriptor with units of inches per second (in/sec) is used to evaluate construction-generated vibration for building damage and human complaints.

3 REGULATORY SETTING

To limit population exposure to physically or psychologically damaging as well as intrusive noise levels, the Federal government, the State of California, various county governments, and most municipalities in the state have established standards and ordinances to control noise.

3.1 STATE

California Government Code

California Government Code Section 65302(f) mandates that the legislative body of each county and city adopt a noise element as part of its comprehensive general plan. The local noise element must recognize the land use compatibility guidelines established by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of "normally acceptable", "conditionally acceptable", "normally unacceptable", and "clearly unacceptable" noise levels for various land use types. Single-family homes are "normally acceptable" in exterior noise environments up to 60 CNEL and "conditionally acceptable" up to 70 CNEL. Multiple-family residential uses are "normally acceptable" up to 65 CNEL and "conditionally acceptable" up to 70 CNEL. Schools, libraries, and churches are "normally acceptable" up to 70 CNEL, as are office buildings and business, commercial, and professional uses.

3.2 LOCAL

City of Newark General Plan

The City of Newark General Plan identifies goals, policies, and implementations in the Noise Element. The Noise Element provides a basis for comprehensive local programs to regulate environmental noise and protect citizens from excessive exposure. Table 4: Land-Use Compatibility Guidelines for Community Noise in Newark highlights nine land-use categories and the outdoor noise compatibility guidelines.

Table 4: Land-Use Compatibility Guidelines for Community Noise in Newark

Land-Use Category	Interior CNEL or L_{dn} (dBA)	Exterior Noise Exposure (CNEL or L_{dn}), in dBA			
		Normally Acceptable[1]	Conditionally Acceptable[2]	Normally Unacceptable[3]	Clearly Unacceptable[4]
Residential-Low Density Single-Family, Duplex, Mobile Homes	45	<60	55 to 70	70 to 75	>75
Residential-Multiple Family	45	<65	60 to 70	70 to 75	>75
Transient Lodging, Motels, Hotels	45	<65	60 to 70	70 to 80	>80
Schools, Libraries, Churches, Hospitals, Nursing Homes	45	<70	60 to 70	70 to 80	>80
Auditoriums, Concert Halls, Amphitheater	-	-	-	-	>65
Sports Arena, Outdoor Spectator Sports	-	-	-	-	>70
Playgrounds, Neighborhood Parks	-	<70	68 to 75	-	>72
Golf Courses, Riding Stables, Water Recreation, Cemeteries	-	<75	70 to 80	-	>80
Office Buildings, Businesses, Commercial, Professions	50	<70	68 to 75	75 to 85	-
Industrial, Manufacturing, Utilities, Agricultural	-	<75	70 to 80	75 to 85	-

1. Normally Acceptable – Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.
2. Conditionally Acceptable – New construction should be undertaken only after a detailed analysis of the noise reduction requirement is conducted and needed noise insulation features included in the design.

3. Normally Unacceptable – New construction or development should generally be discouraged. If new construction does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.
4. Clearly Unacceptable – New Construction or development generally should not be undertaken.
Source: City of Newark General Plan, 2013.

The Newark General Plan includes the following applicable noise goal and policy:

Goal EH-7: Ensure that new structures/uses are designed and constructed to preclude excessive, inappropriate, and undesirable noise effects.

Policy EH 7.7: **Acoustical Study Requirement**. Require acoustical studies for new developments in areas where the noise levels exceed the 'normally acceptable' levels for the proposed land use; based on Table EH-2. For residential uses, the analysis should include mitigation measures to limit the noise exposure in interior living spaces to 45 dB L_{dn}, consistent with California Title 24.

Acoustical Studies should have the following minimum attributes:

- Be the responsibility of the development applicant.
- Be prepared by qualified persons experienced in the fields of environmental noise assessment and architectural acoustics.
- Include representative noise level measurements with sufficient sampling periods and locations to adequately describe existing local conditions.
- Include estimates for existing and projected (20 years hence) noise levels in terms of (a) Ldn or CNEL and (b) any future noise regulations to be adopted by the City. Those existing and projected noise levels shall be compared to the adopted policies of the Noise Element.
- Include recommended mitigation measures to achieve compliance with the adopted policies and standards of the Noise Element. Where the noise source in question consists of intermittent single events, the report should address the effects of maximum noise levels in sleeping rooms and potential sleep disturbance issues.
- Include estimates for interior and exterior noise exposure after the prescribed mitigation measures have been implemented.
- Describe a post-project assessment program that could be used to evaluate the effectiveness of the proposed mitigation measures.

The Newark General Plan includes the following action element for vibration:

Action EH-7.E: New Development Near Railroads. Implement a standard operating procedure that requires the evaluation of potential vibration impacts for new development that occurs within 200 feet of a railroad track, in accordance with the FTA's vibration screening distances. In such instances, the project property owner/developers shall retain an acoustical engineer to conduct an acoustic

analysis and identify, where appropriate, site design features and/or required building construction improvements to ensure that vibration impacts would remain below acceptable levels for residential uses.

4 EXISTING CONDITIONS

4.1 EXISTING NOISE SOURCES

The City of Newark (including the project site) is impacted by various noise sources. Mobile sources of noise, especially cars, trucks, and rail transport, are the most common and significant sources of noise in most communities. Other sources of noise are the various land uses (i.e., residential, commercial, institutional, and recreational and parks activities) throughout the City that generate stationary-source noise.

Noise Measurements

To determine ambient noise levels in the project area, three short-term (10-minute) noise measurements and one long-term (24-hour) noise measurement were taken using a Larson Davis SoundExpert LxT Type I integrating sound level meter on January 25 through January 26, 2023; refer to Appendix A for existing noise measurement data.

As shown in Figure 4: Noise Measurement Locations, short-term measurement 1 (ST-1) was taken to represent the ambient noise level at the Church northwest of the project site on Sycamore Street, ST-2 was taken to represent existing noise levels at the industrial uses northeast of the project site, and ST-3 was taken to represent the existing noise level at the industrial uses to the southwest. Long-term measurement 1 (LT-1) was taken to represent existing ambient noise levels at the project site. The primary noise sources during the noise measurements were traffic along Central Avenue, Sycamore Street, and stationary noise at industrial operations nearby. Table 5: Noise Measurements provides the ambient noise levels measured at these locations.

Table 5: Noise Measurements

Site No.	Location	L_{eq} (dBA)	L_{min} (dBA)	L_{max} (dBA)	L_{dn} (dBA)[1]	Time	Date
ST-1	Newark Community Church	59.7	51.0	74.5	62.4	2:00 p.m. to 2:10 p.m.	1/25/2023
ST-2	6950 Central Avenue	59.0	55.1	64.7	61.7	2:19 p.m. to 2:29 p.m.	1/25/2023
ST-3	7025 Central Avenue	72.1	55.4	84.5	74.8	2:37 p.m. to 2:47 p.m.	1/25/2023
LT-1	Project Site	69.6	51.6	96.1	73.6	3:21 p.m. to 3:21 p.m.	1/25/2023 – 1/26/2023

1. L_{dn} for short-term measurements are approximated based on the day-night variation in the long-term measurement.

Source: Noise Measurements taken by Kimley-Horn on January 25th through 26th, 2023.



Source: Nearmap, 2023

Figure 4: Noise Measurement Locations

6750 Central Avenue Project

Not to scale

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Existing Mobile Noise

Existing roadway noise levels were calculated for the roadway segments in the project vicinity. This task was accomplished using the Federal Highway Administration (FHWA) Highway Traffic Noise Prediction Model (FHWA-RD-77-108) and existing traffic volumes provided by Kimley-Horn (2023). The noise prediction model calculates the average noise level at specific locations based on traffic volumes, average speeds, roadway geometry, and site environmental conditions. The average vehicle noise rates (also referred to as energy rates) used in the FHWA model have been modified to reflect average vehicle noise rates identified for California by Caltrans. The Caltrans data indicates that California automobile noise is 0.8 to 1.0 dBA higher than national levels and that medium and heavy truck noise is 0.3 to 3.0 dBA lower than national levels. The average daily noise levels along roadway segments in proximity to the project site are included in Table 7: Existing Traffic Noise.

Table 6: Existing Traffic Noise

Roadway Segment	ADT	dBA L_{dn} [1]
Sycamore Street		
Central Avenue to Clark Avenue	5,230	57.3
Central Avenue		
Morton Avenue to Sycamore Street	11,570	62.2
Sycamore Street to West Project Driveway	14,040	63.0
West Project Driveway to East Project Driveway	14,040	63.0
East Project Driveway to Cherry Street	15,060	63.4
ADT = average daily trips; dBA = A-weighted decibels; L_{dn} = day-night noise level		
1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.		
Source: Based on data provided by Kimley-Horn (2022). Refer to Appendix A for traffic noise modeling assumptions and results.		

The project site is primarily surrounded by industrial and commercial uses. The existing mobile noise in the project area are generated along Central Avenue and Sycamore Street west of the project site.

Existing Stationary Noise

The primary sources of stationary noise in the project vicinity are those associated with the operations of nearby existing commercial and industrial surrounding of the project site. The noise associated with these sources may represent a single-event noise occurrence, short-term noise, or long-term/continuous noise.

4.2 NEARBY RECEPTORS

Noise exposure standards and guidelines for various types of land uses reflect the varying noise sensitivities associated with each of these uses. Residences, hospitals, schools, guest lodging, libraries, and churches are treated as the most sensitive to noise intrusion and therefore have more stringent noise exposure targets than do other uses, such as manufacturing or agricultural uses that are not subject to impacts such as sleep disturbance.

As shown in Table 7: Noise Receivers, sensitive receptors near the project site include single-family residences and a church, refer to Figure 5: Sensitive Receptor Locations. Table 7 also highlights nearby

non-sensitive receivers such as commercial and industrial uses. These distances are from the project site to the sensitive receptor property line.

Table 7: Noise Receivers

Receptor Description	Distance and Direction from the Project Site[1]
Industrial Building	40 feet to the north
Commercial Building	100 feet northwest
Single Family Residential	670 feet northeast
Newark Community Church	800 feet northwest
Single Family Residential	930 feet northeast
1. Distances are measured from the project site boundary to the property line.	



Source: Nearmap, 2023

Figure 5: Sensitive Receptor Locations

6750 Central Avenue Project

Not to scale

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5 METHODOLOGY

5.1 SOUND METHODOLOGY

The analysis of the existing and future noise environments is based on noise prediction modeling and empirical observations. Reference noise level data are used to estimate the project operational noise impacts from stationary sources. Noise levels are collected from field noise measurements and other published sources from similar types of activities are used to estimate noise levels expected with the project's stationary sources. The reference noise levels are used to represent a worst-case noise environment as noise level from stationary sources can vary throughout the day.

Operational noise is evaluated based on the standards within the City's General Plan. Per Table EH-2 in the City of Newark General Plan, normally acceptable exterior noise levels of up to 60 dBA L_{dn} are acceptable for single-family residential uses, levels up to 70 dBA L_{dn} are acceptable for churches, and levels up to 75 dBA L_{dn} are acceptable for industrial uses. The General Plan also establishes an interior 45 dBA L_{dn} noise standard for residences and churches and notes that an untrained human ear typically cannot detect a difference in sound levels of less than 3 dB. The traffic noise levels in the project vicinity were calculated using the FHWA Highway Noise Prediction Model (FHWA-RD-77-108).

5.2 VIBRATION METHODOLOGY

Groundborne vibration levels associated with construction-related activities for the project were evaluated utilizing typical groundborne vibration levels associated with construction equipment, obtained from FTA published data for construction equipment. Potential groundborne vibration impacts related to structural damage and human annoyance were evaluated, considering the distance from construction activities to nearby land uses and typically applied criteria for structural damage and human annoyance.

Per FTA guidance, a vibration limit of 12.7 millimeters per second (mm/sec; 0.5 inch/sec) PPV is used for buildings that are structurally sound and designed to modern engineering standards. A conservative vibration limit of five mm/sec (0.2 inches/sec) PPV has been used for buildings that are found to be structurally sound but where structural damage is a major concern.

6 POTENTIAL IMPACTS AND MITIGATION

6.1 SOUND IMPACTS

Implementation of the project would create new sources of noise in the project vicinity. The major noise sources associated with the project that would potentially impact existing and future nearby residences include the following:

- Off-site traffic noise;
- Mechanical equipment (i.e., trash compactors, air conditioners, etc.);
- Delivery trucks on the project site, and approaching and leaving the loading areas;
- Activities at the loading areas (i.e., maneuvering and idling trucks, loading/unloading, and equipment noise);
- Parking areas (i.e., car door slamming, car radios, engine start-up, and car pass-by); and
- Landscape maintenance activities.

As discussed above, the closest sensitive receptors are located approximately 670 feet to the northeast of the project site. The City of Newark normally acceptable noise standards for residential areas and churches is 60 dBA L_{dn} and 70 dBA L_{dn} respectively. In industrial areas, the normally acceptable noise standard is 75 dBA L_{dn}. The nearest industrial land use is approximately 40 feet from the project site. The General Plan also notes that an untrained human ear typically cannot detect a difference in sound levels of less than 3 dB.

Off-Site Traffic Noise

Implementation of the project would generate increased traffic volumes along study roadway segments. The project is expected to generate a net increase of average daily trips, which would result in noise increases on project area roadways. In general, a traffic noise increase of less than 3 dBA is barely perceptible to people, while a 5-dBA increase is readily noticeable (Caltrans, 2013). Generally, traffic volumes on project area roadways would have to approximately double for the resulting traffic noise levels to increase by 3 dBA. Therefore, permanent increases in ambient noise levels of less than 3 dBA would not be a perceivable noise increase.

As shown in Table 8: Existing and Project Traffic Noise, the existing traffic-generated noise level on project area roadways is between 57.3 dBA L_{dn} and 63.4 dBA L_{dn} at 100 feet from the centerline. As previously described, L_{dn} is 24-hour average noise level with a 10 dBA "weighting" added to noise during the hours of 10:00 p.m. to 7:00 a.m. to account for noise sensitivity in the evening and nighttime, respectively.

Traffic noise levels for roadways primarily affected by the project were calculated using the FHWA's Highway Noise Prediction Model (FHWA-RD-77-108). Traffic noise modeling was conducted for conditions with and without the project, based on traffic volumes (Kimley-Horn, 2022). As noted in Table 8, project noise levels 100 feet from the centerline would range from 57.3 dBA L_{dn} to 64.4 dBA L_{dn}. This would result in resulting noise levels below the normally acceptable levels for both industrial uses of 75 L_{dn} and commercial uses of 70 L_{dn}.

Table 8: Existing and Project Traffic Noise

Roadway Segment	Existing Conditions		With Project		Change from No Project Conditions	Perceivable
	ADT	dBA L_{dn}[1]	ADT	dBA L_{dn}[1]		
Sycamore Street						
Central Avenue to Clark Avenue	5,230	57.3	5,230	57.3	0.0	**No**
Central Avenue						
Morton Avenue to Sycamore Street	11,570	62.2	11,790	62.3	0.1	**No**
Sycamore Street to West Project Driveway	14,040	63.0	14,440	63.2	0.2	**No**
West Project Driveway to East Project Driveway	14,040	63.0	17,900	64.1	1.1	**No**
East Project Driveway to Cherry Street	15,060	63.4	19,010	64.4	1.0	**No**

ADT = average daily trips; dBA = A-weighted decibels; L_{dn} = day-night noise levels

1. Traffic noise levels are at 100 feet from the roadway centerline. The actual sound level at any receptor location is dependent upon such factors as the source-to-receptor distance and the presence of intervening structures, barriers, and topography.

Source: Based on data from the Transportation Analysis (Kimley-Horn, 2022). Refer to Appendix A for traffic noise modeling assumptions and results.

Stationary Noise Sources

Implementation of the project would create new sources of noise in the project vicinity from mechanical equipment, truck loading areas, parking lot noise, and landscape maintenance. Table 9: Stationary Source Noise Levels shows the noise levels generated by various stationary noise sources and the resulting noise level at the nearest receiver.[3] Table 9 also show the project's compliance with the exterior and interior noise standards listed in Table 4. Each stationary source is discussed below.

Mechanical Equipment

Regarding mechanical equipment, the project would generate stationary-source noise associated with heating, ventilation, and air conditioning (HVAC) units. HVAC units typically generate noise levels of approximately 52 dBA at 50 feet. The closest sensitive receptors to the HVAC units would be the residential area 670 feet northeast of the project site. Note that HVAC units would be mounted on the building and set back from the property line. At this distance, the project's mechanical equipment noise levels would be 30 dBA. On the 24-hour L_{dn} scale and assuming the units would operate intermittently, the noise level would be 33 dBA L_{dn} and would be below the City's normally acceptable residential noise standard of 60 dBA L_{dn}. Typically, a conservative estimate for interior noise levels would be a 10 dBA reduction of the exterior noise level.[4] Therefore, interior noise levels produced by mechanical equipment on the project site at the closest sensitive receptor would reach 23 dBA L_{dn} which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines from the Newark General Plan. At the nearest industrial receptor 150 feet northeast, noise levels would be 46 dBA L_{dn} which is also below the 75 dBA noise standard. Therefore, mechanical equipment would produce interior noise levels of approximately 36 dBA $L_{dn,}$ which is consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

3 Distances are measured from the project site boundary to the property line of the nearest receiver.

4 Federal Highway Administration, *Technique for Reviewing Noise Analyses and Associated Noise Reports*, June 2018.

Loading Area Noise

The project is an industrial development that would include deliveries. The primary noise associated with deliveries is the arrival and departure of trucks. Operations of proposed project would potentially require a mixture of deliveries from vans, light trucks, and heavy-duty trucks. Normal deliveries typically occur during daytime hours. During loading and unloading activities, noise would be generated by the trucks' diesel engines, exhaust systems, and brakes during low gear shifting' braking activities; backing up toward the docks/loading areas; dropping down the dock ramps; and maneuvering away from the docks. The project is surrounded by industrial uses to the east, west, and south.

The closest residential receptors would be approximately 1,000 feet northwest of the project's loading area. While there would be temporary noise increases during truck maneuvering and engine idling, these impacts would be of short duration and infrequent. Additionally, loading noise levels would be further attenuated by intervening structures. Table 9 shows that trucks and loading area noise would not exceed the City's General Plan normally acceptable noise levels. Typically, heavy truck operations generate a noise level of 64 dBA at a distance of 50 feet, which would be approximately 61 dBA L_{dn}. At the nearest residential receptors, the project's loading area noise levels would be 42 dBA L_{dn} which is below the City's normally acceptable residential noise standard of 60 dBA. Due to the noise reduction from building attenuation, interior noise levels produced by loading area noise would reach 32 dBA L_{dn} at the closest sensitive receptor which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines. At the nearest industrial receptor 200 feet northeast of the project's loading area, exterior noise levels would be 56 dBA L_{dn} which is also below the normally acceptable 75 dBA noise standard. Therefore, loading areas would produce levels consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

Parking Areas

Traffic associated with parking areas is typically not of sufficient volume to exceed community noise standards, which are based on a time-averaged scale such as the CNEL or L_{dn} scale. However, the instantaneous maximum sound levels generated by a car door slamming, engine starting up and car pass-bys may be an annoyance to nearby noise-sensitive receptors. Parking lot noise can also be considered a "stationary" noise source. The instantaneous maximum sound levels generated by a car door slamming, engine starting up, and car pass-bys range from 53 to 61 dBA at 50 feet and may be an annoyance to noise-sensitive receptors. Conversations in parking areas may also be an annoyance to sensitive receptors. Sound levels of speech typically range from 33 dBA at 48 feet for normal speech to 50 dBA at 50 feet for very loud speech. It should be noted that parking lot noise are instantaneous noise levels compared to noise standards in the L_{dn} scale, which are averaged over time. As a result, actual noise levels over time resulting from parking lot activities would be far lower. The nearest residential property line would be located approximately 670 feet away from the project's parking areas. As Table 9 shows, noise generated from the parking lot would be at 40 dBA L_{dn} at closest residential receptor 670 feet northeast, which would not exceed the normally acceptable 60 dBA noise standard listed in Table EH-2 of the City's General Plan. Due to the reduction of noise from building attenuation, the project's parking areas would produce an interior noise level of 30 dBA L_{dn} at the nearest residential receptor which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines from the Newark General Plan. Therefore, noise produced in parking areas would produce noise levels consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan. At the nearest industrial receptor property line located 40 feet northeast of the parking area, noise levels would be 64 dBA which is below the City's 75 dBA industrial standard.

Landscape Maintenance Activities

Development and operation of the project includes new landscaping that would require periodic maintenance. Noise generated by a gasoline-powered lawnmower is estimated to be approximately 70 dBA at a distance of five feet. Landscape Maintenance activities would be 50 dBA at 50 feet away. Maintenance activities would operate during daytime hours for brief periods of time and would not permanently increase ambient noise levels in the project vicinity and would be consistent with activities that currently occur at the surrounding uses. Table 9 shows that landscape maintenance noise would be at 20 dBA L_{dn} at the closest residential receptor 670 feet away. Due to the reduction of noise from building attenuation, interior noise levels produced by landscape maintenance activities on the project site at the nearest sensitive receptor would be 10 dBA L_{dn} which is below the 45 dBA L_{dn} interior noise standard listed in the noise compatibility guidelines from the Newark General Plan. Therefore, landscape maintenance activities would be consistent with Policy EH-7.7 and Table EH-2 in the Newark General Plan.

Summary

As shown in Table 9, stationary sources would not exceed the City of Newark General Plan Land Use Compatibility Standards at the adjacent industrial use or nearest residential use. Additionally, noise levels would be further attenuated by intervening terrain and structures. Noise impacts from mechanical equipment, loading area, parking area, and landscape maintenance would below the allowable noise levels listed in Table EH-2 of the City's General Plan. Therefore, the project's operational noise would be consistent with Policy EH-7.7 in the Newark General Plan.

Table 9: Stationary Source Noise Levels

Nearest Land Use	Distance (feet)[1]	Reference Level at 50 ft (dBA L_{dn})[2]	Noise Level at Receiver (dBA L_{dn})	Exterior Noise Standard[6]	Exceed Standard
Mechanical Equipment					
Industrial (northeast)	150	55 dBA[3]	46 dBA	75 dBA	No
Residence (northeast)	670		33 dBA	60 dBA	No
Church (northwest)	800		31 dBA	70 dBA	No
Residence (northeast)	930		30 dBA	60 dBA	No
Loading Area					
Industrial (northeast)	200	68 dBA[3]	56 dBA	75 dBA	No
Residence (northeast)	1,000		42 dBA	60 dBA	No
Church (northwest)	1,250		40 dBA	70 dBA	No
Residence (northeast)	1,200		40 dBA	60 dBA	No
Parking Area					
Industrial (northeast)	40	62 dBA[4]	64 dBA	75 dBA	No
Residence (northeast)	670		40 dBA	60 dBA	No
Church (northwest)	800		38 dBA	70 dBA	No
Residence (northeast)	930		37 dBA	60 dBA	No
Landscape Maintenance					
Industrial (northeast)	150	43 dBA[5]	33 dBA	75 dBA	No
Residence (northeast)	670		20 dBA	60 dBA	No
Church (northwest)	800		19 dBA	70 dBA	No
Residence (northeast)	930		17 dBA	60 dBA	No

1. The distance is from the location of the operational noise source to the receptor property line.
2. Reference levels are adjusted for the Ldn scale and an acoustical usage factor to represent 24-hour noise levels. Mechanical, truck, and parking is conservatively assumed to occur anytime during the 24-hour period and landscape maintenance would only occur during the daytime.
3. Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.
4. Kariel, H. G., *Noise in Rural Recreational Environments*, Canadian Acoustics 19(5), 3-10, 1991.
5. U.S. EPA, *Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances*, 1971.
6. Table EH-2 of the Newark General Plan establishes normally acceptable noise standards of 60 dBA for residential zones, 70 dBA for churches, and 75 dBA for industrial.

6.2 VIBRATION IMPACTS

The FTA and the City of Newark do not classify industrial structures as a sensitive land use category that is susceptible to groundborne vibration and noise. Therefore, the project would not be impacted by vibration generated through the nearby railroad track.

The City of Newark requires a vibration assessment for building located within 200 feet of a railroad, and for new residential uses, requires compliance with the vibration thresholds listed in the City's General Plan (per General Plan Action EH-7.E). The closest railroad is located 10 feet southwest from the edge of the project property and is approximately 60 feet from the proposed building. The level of impact from railway vibration is influenced by multiple factors including train type, receiver building type, and geological factors. The FTA provides guidance and a reference vibration level for different types of trains at 50 feet. The highest level of vibration identified by the FTA are upper range commuter rails that produce a vibration velocity of 85 VdB at 50 feet. Common commuter rails and rapid transit trains produce a level between 70 VdB and 75 VdB at 50 feet. The FTA notes that damage for typical buildings occurs at 100 VdB and a vibration level of 85 VdB in a residence can result in strong annoyance.[5] The FTA's vibration screening procedure applies to high sensitivity buildings, residential buildings, and institutional buildings. Industrial buildings such as the proposed project are not considered vibration sensitive.[6]

As mentioned previously, the project building is located 60 feet away from the operation of the railroad track. Therefore, the building would be below the 100 VdB building damage threshold defined in the FTA Transit Noise and Vibration Impact Assessment Manual. Additionally, due to the distance, future receptors inside the proposed industrial building also would not experience vibration levels exceeding the 85 VdB annoyance level. . Notwithstanding that, and as noted above, industrial uses are not considered vibration-sensitive.

6.3 FUTURE NOISE IMPACTS

Noise by definition is a localized phenomenon, and drastically reduces as distance from the source increases. The future noise impacts involve development of the project in combination with ambient growth and other related development projects. As noise levels decrease as distance from the source increases, only projects in the nearby area could combine with the project to potentially result in future noise impacts.

Future Newark Noise Regulations

The Newark General Plan Policy EH-7.7 requires an analysis of the project with the future adopted noise policies. The City of Newark General Plan Tune Up EIR from 2013 considered the current noise standards listed in the General Plan to evaluate the City's development through 2035. Therefore, the current noise standards listed in the City of Newark General Plan are not anticipated to be updated in the near future as the current standards were analyzed and approved in the General Plan Tune Up EIR for the City's buildout till 2035.

Future Noise

[5] Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, page 113, 2018.

[6] The FTA notes that if no vibration-sensitive land uses are identified, no further vibration analysis is needed (Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, page 136, 2018).

Future noise impacts describe how much noise levels are projected to increase over existing conditions with the development of the project and other foreseeable projects. Future noise impacts would occur primarily as a result of increased traffic on local roadways due to buildout of the project and other projects in the vicinity. However, noise from generators and other stationary sources could also generate additional noise levels. The Newark General Plan Policy EH-7.7 requires an estimate of future noise levels 20 years in the future. These future noise levels would be compared to the noise level standards established in Table EH-2 of the General Plan.

Stationary Noise

As discussed above, impacts from the project's operations would be below the thresholds listed in the General Plan. Due to site distance, intervening land uses, and the fact that noise dissipates as it travels away from its source, noise impacts from on-site activities and other stationary sources would be limited to the project site and vicinity. After review of the City of Newark current project list and specific plan list, there is one project, the Central Avenue Overpass, that is within 2,000 feet of the project vicinity and would impact future noise levels.[7,8] As mentioned previously, the City of Newark has planned and funded the construction of an overpass on Central Avenue that would start on the northwest face of the project site. This overpass construction would extend along the project frontage from Sycamore Street to Morton Avenue. This structure would attenuate any operational stationary noise produced on-site and would reduce the impact at nearby receptors across Central Avenue. Therefore, future stationary noise levels would be lower than the levels listed above. Stationary equipment on-site would also include improved technology 20 years in the future which would further reduce noise generated by the project. Therefore, future stationary equipment noise levels are estimated to be below the noise levels listed above and future impacts related to stationary noise would be below normally acceptable noise standards listed in Table EH-2 of the Newark General Plan. Thus, future operational noise impacts from related projects, in conjunction with project-specific noise impacts, would be consistent with the City's General Plan.

Traffic Noise

As discussed above, project related traffic noise increases would not be perceivable with implementation of the project. As mentioned previously, there is only one project nearby that would impact future noise. However, the implementation of the Central Avenue Overpass would not result in an increase of traffic noise in the surrounding area. As mentioned previously, the City of Newark has planned and funded the construction of an overpass on Central Avenue that would be built over the nearby railroad track. The existing ambient noise includes traffic noise generated from driving over railroad tracks. Therefore, construction of the overpass would no longer contribute to noise in the area. Furthermore, the overpass would not generate additional future trips on Central Avenue. The Overpass project is anticipated to provide roadway traffic congestion relief and a reduction in conflicts between rail traffic and the general public.[9] Additionally, the future sale and use of EV trucks and cars would further reduce noise levels on the surrounding roadways in the next 20 years. Therefore, future traffic noise surrounding the project site are estimated to remain below the noise standards listed in the Newark General Plan. Thus, the future operational traffic noise impacts from related projects, in conjunction with project-specific noise impacts, would be consistent with the City's General Plan.

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7 City of Newark, Specific Plans and Master Plans, Accessed at https://www.newark.org/departments/community-development/specific-plans-master-plans.

8 City of Newark, Projects Under Environmental Review, Accessed at https://www.newark.org/departments/community-development/planning-division/projects-under-environmental-review.

9 Alameda County Transportation Commission, *Dumbarton Corridor Improvements (Central Avenue Overpass)*, July 2018.

7 REFERENCES

1. Alameda County Transportation Commission, *Dumbarton Corridor Improvements (Central Avenue Overpass)*, July 2018.
2. California Department of Transportation, *Traffic Noise Analysis Protocol*, 2020.
3. California Department of Transportation, *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, 2013.
4. City of Newark, *City of Newark General Plan*, 2013.
5. City of Newark, *General Plan Tune Up Draft Program EIR*, 2013.
6. City of Newark, *Municipal Code*, 2022.
7. City of Newark, Projects Under Environmental Review, Accessed at https://www.newark.org/departments/community-development/planning-division/projects-under-environmental-review.
8. City of Newark, Specific Plans and Master Plans, Accessed at https://www.newark.org/departments/community-development/specific-plans-master-plans.
9. Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden. *Noise Navigator Sound Level Database with Over 1700 Measurement Values*, July 6, 2010.
10. Kariel, H. G., *Noise in Rural Recreational Environments*, Canadian Acoustics 19(5), 3-10, 1991.
11. Federal Highway Administration, *Technique for Reviewing Noise Analyses and Associated Noise Reports*, June 2018.
12. Federal Interagency Committee on Noise, *Federal Agency Review of Selected Airport Noise Analysis Issues*, 1992.
13. Federal Transit Administration, *Transit Noise and Vibration Impact Assessment Manual*, September 2018.
14. Kent Mallett, *Newark City Council Considers Noise Limits for Entertainment Venues*, October 2022.
15. United States Environmental Protection Agency, *Protective Noise Levels (EPA 550/9-79-100)*, 1979.

Appendix A

Noise Data

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	1	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	2:00 PM
Location:	Church on at Clark Avenue and Sycamore Street		
Noise Sources:	Traffic along Clark Avenue and Sycamore Street, Industrial Noise		
Comments:			

Results (dBA):

	Leq:	**Lmin:**	**Lmax:**	**Peak:**
Measurement 1:	59.7	51.0	74.5	98.7

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	64°
Wind (mph):	8
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	33%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.034.s	Computer's File Name	LxTse_0006073-20230125 145720-LxT_Data.034.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 14:57:20	Duration	0:10:00.0		
End Time	2023-01-25 15:07:20	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	59.7 dB		
LAE	87.5 dB	SEA	--- dB
EA	62.2 µPa²h		
LZ_{peak}	98.7 dB	2023-01-25 15:03:07	
LAS_{max}	74.5 dB	2023-01-25 14:58:24	
LAS_{min}	51.0 dB	2023-01-25 14:58:02	
LA_{eq}	59.7 dB		
LC_{eq}	67.9 dB	LC_{eq} - LA_{eq}	8.2 dB
LAI_{eq}	61.7 dB	LAI_{eq} - LA_{eq}	2.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
59.7 dB	59.7 dB	0.0 dB

LDEN	LDay	LEve	LNight
59.7 dB	59.7 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	59.7 dB		67.9 dB		--- dB	
$Ls_{(max)}$	74.5 dB	2023-01-25 14:58:24	--- dB	None	--- dB	None
$LS_{(min)}$	51.0 dB	2023-01-25 14:58:02	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	98.7 dB	2023-01-25 15:03:07

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	5	0:00:13.1

Statistics

LAS 5.0	65.6 dB
LAS 10.0	62.6 dB
LAS 33.3	56.6 dB
LAS 50.0	54.9 dB
LAS 66.6	53.8 dB
LAS 90.0	52.6 dB

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	2	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	2:19 PM
Location:	Parking lot northeast of the Project Site		
Noise Sources:	Traffic along Central Avenue, Industrial Noise, Parking Lot Noise		
Comments:			

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	59.0	55.1	64.7	103.3

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	65°
Wind (mph):	6
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	32%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.035.s	Computer's File Name	LxTse_0006073-20230125 151659-LxT_Data.035.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 15:16:59	Duration	0:10:00.0		
End Time	2023-01-25 15:26:59	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	59.0 dB		
LAE	86.8 dB	SEA	--- dB
EA	53.0 µPa²h		
LZ_{peak}	103.3 dB	2023-01-25 15:26:52	
LAS_{max}	64.7 dB	2023-01-25 15:22:44	
LAS_{min}	55.1 dB	2023-01-25 15:22:18	
LA_{eq}	59.0 dB		
LC_{eq}	72.1 dB	LC_{eq} - LA_{eq}	13.1 dB
LAI_{eq}	60.5 dB	LAI_{eq} - LA_{eq}	1.5 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
59.0 dB	59.0 dB	0.0 dB

LDEN	LDay	LEve	LNight
59.0 dB	59.0 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	59.0 dB		72.1 dB		--- dB	
$Ls_{(max)}$	64.7 dB	2023-01-25 15:22:44	--- dB	None	--- dB	None
$LS_{(min)}$	55.1 dB	2023-01-25 15:22:18	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	103.3 dB	2023-01-25 15:26:52

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	23	0:00:59.7

Statistics

LAS 5.0	61.7 dB
LAS 10.0	60.9 dB
LAS 33.3	59.3 dB
LAS 50.0	58.6 dB
LAS 66.6	57.8 dB
LAS 90.0	56.5 dB

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	3	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	2:37 PM
Location:	Central Avenue southwest of the Project site		
Noise Sources:	Traffic along Central Avenue an, Industrial Noise		
Comments:	Noise generated by cars going over railroad tracks		

Results (dBA):

	Leq:	Lmin:	Lmax:	Peak:
Measurement 1:	72.1	55.4	84.5	109.6

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	65°
Wind (mph):	6
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	32%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.036.s	Computer's File Name	LxTse_0006073-20230125 153418-LxT_Data.036.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 15:34:18	Duration	0:10:00.0		
End Time	2023-01-25 15:44:18	Run Time	0:10:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	72.1 dB		
LAE	99.9 dB	SEA	--- dB
EA	1.1 mPa²h		
LZ_{peak}	109.6 dB	2023-01-25 15:43:08	
LAS_{max}	84.5 dB	2023-01-25 15:43:09	
LAS_{min}	55.4 dB	2023-01-25 15:40:18	
LA_{eq}	72.1 dB		
LC_{eq}	78.8 dB	LC_{eq} - LA_{eq}	6.7 dB
LAI_{eq}	74.8 dB	LAI_{eq} - LA_{eq}	2.7 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	0	0:00:00.0
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
72.1 dB	72.1 dB	0.0 dB

LDEN	LDay	LEve	LNight
72.1 dB	72.1 dB	--- dB	--- dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	72.1 dB		78.8 dB		--- dB	
$Ls_{(max)}$	84.5 dB	2023-01-25 15:43:09	--- dB	None	--- dB	None
$LS_{(min)}$	55.4 dB	2023-01-25 15:40:18	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	109.6 dB	2023-01-25 15:43:08

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	49	0:04:14.7

Statistics

LAS 5.0	77.2 dB
LAS 10.0	75.5 dB
LAS 33.3	71.5 dB
LAS 50.0	69.4 dB
LAS 66.6	67.7 dB
LAS 90.0	63.3 dB

Noise Measurement Field Data

Project:	6750 Central Avenue Project	**Job Number:**	097276201
Site No.:	LT-1	**Date:**	1/25/2023
Analyst:	Tanay Pradhan	**Time:**	3:21 PM
Location:	Intersection of Central Avenue and Sycamore Street		
Noise Sources:	Traffic along Central Avenue and Sycamore Street, Industrial Noise		
Comments:			

Results (dBA):

	Leq:	**Lmin:**	**Lmax:**	**Peak:**
Measurement 1:	69.6	51.9	96.1	117.0

Equipment	
Sound Level Meter:	LD SoundExpert LxT
Calibrator:	CAL200
Response Time:	Slow
Weighting:	A
Microphone Height:	5 feet

Weather	
Temp. (degrees F):	
Wind (mph):	<10
Sky:	Clear
Bar. Pressure:	30.31"
Humidity:	33%

Photo:



Kimley»Horn

Measurement Report

Report Summary

Meter's File Name	LxT_Data.037.s	Computer's File Name	LxTse_0006073-20230125 161838-LxT_Data.037.ldbin
Meter	LxT SE 0006073	Firmware	2.404
User		Location	
Job Description			
Note			

Start Time	2023-01-25 16:18:38	Duration	24:00:00.0		
End Time	2023-01-26 16:18:38	Run Time	24:00:00.0	Pause Time	0:00:00.0
Pre-Calibration	2022-06-16 12:53:06	Post-Calibration	None	Calibration Deviation	---

Results

Overall Metrics

LA_{eq}	69.6 dB		
LAE	119.0 dB	SEA	--- dB
EA	87.6 mPa²h		
LZ_{peak}	117.0 dB	2023-01-25 20:12:02	
LAS_{max}	96.1 dB	2023-01-26 13:41:33	
LAS_{min}	51.9 dB	2023-01-26 16:18:20	
LA_{eq}	69.6 dB		
LC_{eq}	77.4 dB	LC_{eq} - LA_{eq}	7.8 dB
LAI_{eq}	71.6 dB	LAI_{eq} - LA_{eq}	2.0 dB

Exceedances

	Count	Duration
LAS > 85.0 dB	50	0:02:29.9
LAS > 115.0 dB	0	0:00:00.0
LZpeak > 135.0 dB	0	0:00:00.0
LZpeak > 137.0 dB	0	0:00:00.0
LZpeak > 140.0 dB	0	0:00:00.0

Community Noise

LDN	LDay	LNight
73.6 dB	70.9 dB	0.0 dB

LDEN	LDay	LEve	LNight
74.1 dB	71.1 dB	69.6 dB	66.1 dB

Any Data

	A		C		Z	
	Level	Time Stamp	Level	Time Stamp	Level	Time Stamp
L_{eq}	69.6 dB		77.4 dB		--- dB	
$Ls_{(max)}$	96.1 dB	2023-01-26 13:41:33	--- dB	None	--- dB	None
$LS_{(min)}$	51.9 dB	2023-01-26 16:18:20	--- dB	None	--- dB	None
$L_{Peak(max)}$	--- dB	None	--- dB	None	117.0 dB	2023-01-25 20:12:02

Overloads

Count	Duration	OBA Count	OBA Duration
0	0:00:00.0	2957	4:10:42.5

Statistics

LAS 5.0	74.9 dB
LAS 10.0	72.8 dB
LAS 33.3	67.7 dB
LAS 50.0	65.1 dB
LAS 66.6	62.8 dB
LAS 90.0	59.4 dB

Stationary Noise Calculation Table

Noise Source	Nearest Land Use	Reference Level (dBA)[5]	Reference Distance (feet)	Distance to Receptor (feet)	Level at Receptor (dBA)[6]	Exterior Noise Standard[7]	Significant?
Mechanical Equipment[1]	Industrial (northeast)	55.4	50	150	46	75	
	Residence (northeast)	55.4	50	670	33	60	
	Church (northwest)	55.4	50	800	31	70	
	Residence (northeast)	55.4	50	930	30	60	
Truck and Loading Docks[2]	Industrial (northeast)	67.8	50	200	56	75	
	Residence (northeast)	67.8	50	1000	42	60	
	Church (northwest)	67.8	50	1250	40	70	
	Residence (northeast)	67.8	50	1200	40	60	
Parking[3]	Industrial (northeast)	62.2	50	40	64	75	
	Residence (northeast)	62.2	50	670	40	60	
	Church (northwest)	62.2	50	800	38	70	
	Residence (northeast)	62.2	50	930	37	60	
Landscape Maintenance[4]	Industrial (northeast)	42.6	50	150	33	75	
	Residence (northeast)	42.6	50	670	20	60	
	Church (northwest)	42.6	50	800	19	70	
	Residence (northeast)	42.6	50	930	17	60	

1. Source for reference level: Elliott H. Berger, Rick Neitzel, and Cynthia A. Kladden, *Noise Navigator Sound Level Database with Over 1700 Measurement Values* , July 6, 2010.

2. Loading dock reference noise level measurements conducted by Kimley-Horn on December 18, 2018.

3. Source for reference level: Kariel, H. G., *Noise in Rural Recreational Environments* , Canadian Acoustics 19(5), 3-10, 1991.

4. U.S. EPA, Noise from Construction Equipment and Operations, Building Equipment, and Home Appliances, 1971.

5. Reference levels are adjusted for the Ldn scale and an acoustical usage factor to represent 24-hour noise levels. Mechanical, truck, and parking is conservatively assumed to occur anytime during the 24-hour period and landscape maintenance would only occur during the daytime.

6. Calculated using the inverse square law formula for sound attenuation: $dBA_2 = dBA_1+20Log(d_1/d_2)$, where dBA_2 = estimated noise level at receptor; dBA_1 = reference noise level; d_1 = reference distance; d_2 = receptor location distance.

7. Table EH-2 of the Newark General Plan establishes normally acceptable noise standards of 60 dBA for residential zones, 70 dBA for churches, and 75 dBA for industrial.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: 6750 Central Avenue Project
Project Number:
Scenario: Existing
Ldn/CNEL: Ldn

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

								Vehicle Mix		Distance from Centerline of Roadway			
				Median	ADT	Speed	Alpha	Medium	Heavy	Ldn at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 Ldn	65 Ldn	60 Ldn	55 Ldn
1	Sycamore St	Central Ave to Clark Ave	2	11	5,230	35	0	2.0%	1.0%	57.3	-	-	54	171
2	Central Ave	Morton Ave to Sycamore St	4	25	11,570	40	0	2.0%	1.0%	62.2	-	-	166	526
3	Central Ave	Sycamore St to West Project Driveway	4	25	14,040	40	0	2.0%	1.0%	63.0	-	64	202	638
4	Central Ave	West Project Driveway to East Project Driveway	4	25	14,040	40	0	2.0%	1.0%	63.0	-	64	202	638
5	Central Ave	East Project Driveway to Cherry St	4	25	15,060	40	0	2.0%	1.0%	63.4	-	68	216	684

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels

Project Name: 6750 Central Avenue Project
Project Number:
Scenario: Existing Plus Project
Ldn/CNEL: Ldn

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

										Vehicle Mix		Distance from Centerline of Roadway		
				Median	ADT	Speed	Alpha	Medium	Heavy	Ldn at	Distance to Contour			
#	Roadway	Segment	Lanes	Width	Volume	(mph)	Factor	Trucks	Trucks	100 Feet	70 Ldn	65 Ldn	60 Ldn	55 Ldn
1	Sycamore St	Central Ave to Clark Ave	2	11	5,230	35	0	2.0%	1.0%	57.3	-	-	54	171
2	Central Ave	Morton Ave to Sycamore St	4	25	11,790	40	0	2.0%	1.0%	62.3	-	-	169	536
3	Central Ave	Sycamore St to West Project Driveway	4	25	14,440	40	0	2.0%	1.0%	63.2	-	66	207	656
4	Central Ave	West Project Driveway to East Project Driveway	4	25	17,900	40	0	2.0%	1.0%	64.1	-	81	257	813
5	Central Ave	East Project Driveway to Cherry St	4	25	19,010	40	0	2.0%	1.0%	64.4	-	86	273	864

[1] Distance is from the centerline of the roadway segment to the receptor location.
"-" = contour is located within the roadway right-of-way.

TRANSPORTATION IMPACT STUDY

6756 Central Avenue Project

PREPARED FOR:

PROLOGIS, INC.

MAY 2025 | FINAL

Prepared By:

Kimley»Horn

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A – EXISTING TRAFFIC COUNT DATA

B – ITE TRIP GENERATION COMPARISON

C – VMT PER EMPLOYEE SOUTH PLANNING AREA MAP

D – LEVEL OF SERVICE AND VEHICLE QUEUING CALCULATION

EXECUTIVE SUMMARY

The following transportation impact study (TIS) has been prepared to determine potential Vehicle Miles Traveled (VMT) impacts and/or Level of Service (LOS) deficiencies associated with the 6756 Central Avenue Project ("Project"), a 315,390 square-foot industrial building. The proposed project would be located in Newark, California. The Project site is located at 6756 Central Avenue, which is to the south of Central Avenue and near Sycamore Street. The project proposes two unsignalized driveways on Central Avenue to the east of Sycamore Street.

This TIS addresses the Project's VMT and LOS effects in order to assist the City of Newark ("City") with planning and the identification of conditions of approval, and to mitigate the Project's VMT impacts or improve identified LOS deficiencies, if necessary.

TRIP GENERATION

Since the project does not have a tenant yet, the developer would like the most flexibility within the uses of ITE Land Use 760 (Research and Development), ITE Land Use 140 (Manufacturing), ITE Land Use 150 (Warehousing), and ITE Land Use 155 (High Cube Fulfillment Center Warehouse-Sort). The Project's proposed trip generation was based on the highest trip generating land use; therefore, the equation for Research and Development (R&D) was used for the daily and AM peak hour and the rate for High Cube Fulfillment Center Warehouse-Sort was used for the PM peak hour, from the Institute of Transportation Engineer's (ITE) publication, *Trip Generation Manual, 11th Edition*. Since there is no available truck trip data for a R&D facility in the daily and AM peak hour and as a conservative approach for the PM peak hour, the highest truck trip generation from the land uses considered, Manufacturing, was used for all time periods. The number of passenger vehicles was determined by subtracting the number of truck trips from the total vehicle trips calculated from the R&D and High Cube Fulfillment Center Warehouse-Sort land uses. A Passenger Car Equivalent (PCE) of 2.0 was used for trips associated with trucks. Existing trip credits were taken by collecting driveway counts for the existing use. Daily counts were not collected and were calculated based on the assumption that PM peak hour trips account for 10 percent of the daily trips. The existing site generates a total of 110 daily trips, 11 AM peak hour trips (7 inbound and 4 outbound), and 11 PM peak hour trips (1 inbound and 10 outbound). The existing trips were removed from the driveways and study network under plus project conditions.

The Project is expected to generate a net new 3,339 daily PCE trips, a total of 303 AM peak hour PCE trips (248 inbound and 55 outbound), and 376 PM peak hour PCE trips (151 inbound and 225 outbound).

PROJECT IMPACTS AND DEFICIENCIES

The following summarizes the transportation impacts and project deficiencies, related to the proposed project in the study area. Transportation impacts are based on vehicle miles traveled and not intersection level of service. However, intersection level of service deficiencies without the project and under project conditions were also identified and summarized to identify operational deficiencies outside of CEQA impacts.

VEHICLE MILES TRAVELED (VMT)

Per guidance provided by the Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA[1], the threshold for employment-based VMT uses is set at 15 percent below the regional average. The City of Newark does not have an established VMT criteria, and therefore the OPR recommended thresholds were used. Based on the VMT per Employee map for the South Planning Area provided by the Alameda County Transportation Commission (ACTC), the target VMT is 14.6 (or 15 percent below 17.2 VMT per employee for the South Planning Area). Also based on the ACTC map, the project is located in an area with a VMT equal to 14.02 VMT per employee. Therefore, the project VMT of 14.02 VMT per employee is less than the target VMT of 14.6 VMT per employee and the project would result in a less than significant impact.

PROJECT AND INTERSECTION DEFICIENCIES

Although intersection level of service and queuing are not considered for CEQA impact, each of these transportation measures of effectiveness were evaluated for transportation operational deficiencies. The development of the proposed project and resulting traffic generation would result in no LOS operations deficiencies.

However, the project would result in a queuing deficiency at the northbound left-turn lane of intersection #5 (Cherry Street and Central Avenue) in the Existing Plus Project Conditions. The project increases the 95th percentile queue by more than 25 feet under plus project conditions and the queue under no project conditions exceeds the available storage length. To address the queuing deficiency in the AM and PM peak hours, it is recommended that a twice per cycle left-turn phase be provided for the northbound left-turn lane. The signal timing splits should be adjusted accordingly and with the recommended improvement, the project would add less than 25 feet of queue to the movement in comparison to Existing Conditions. A summary of the recommended improvement and 95th percentile queuing is shown in **Table E1**.

Table E1: Vehicle Queuing Analysis – Recommended Improvement

#	Intersection	Control	Movement	Storage Length (ft)	Scenario	AM Peak		PM Peak	
						95th Percentile Queue	Variance	95th Percentile Queue	Variance
5	Cherry Street/ Central Avenue	Signal	NBL	210	Existing	**652**	-	**614**	-
					Existing Plus Project	**855**	**203**	**729**	**115**
					Existing Plus Project (with Improvement)	**573**	**-79**	**629**	**15**

Note: NBL=northbound left. Queue lengths greater than queue storage are **bolded** and queuing deficiencies are highlighted.

[1] Technical Advisory on Evaluating Transportation Impacts in CEQA, Governor's Office of Planning and Research, December 2018.

1. INTRODUCTION

The following transportation impact study (TIS) has been prepared to determine potential Vehicle Miles Traveled (VMT) impacts and/or Level of Service (LOS) deficiencies associated with the 6756 Central Avenue Project ("Project"), a 315,390 square-foot industrial building. The proposed project would be located in Newark, California. The Project site is located at 6756 Central Avenue, which is to the south of Central Avenue and near Sycamore Street. The project proposes two unsignalized driveways on Central Avenue to the east of Sycamore Street.

Figure 1 illustrates the location of the project site in relation to the adjacent roadway network. The project proposes two unsignalized access driveways on Central Avenue. The eastern driveway is intended for truck access and the western driveway is intended for passenger car access. The site plan is presented in **Figure 2.**

This TIS addresses the Project's VMT and LOS effects in order to assist the City of Newark ("City") with planning and the identification of conditions of approval, and to mitigate the Project's VMT impacts or improve identified LOS deficiencies, if necessary.

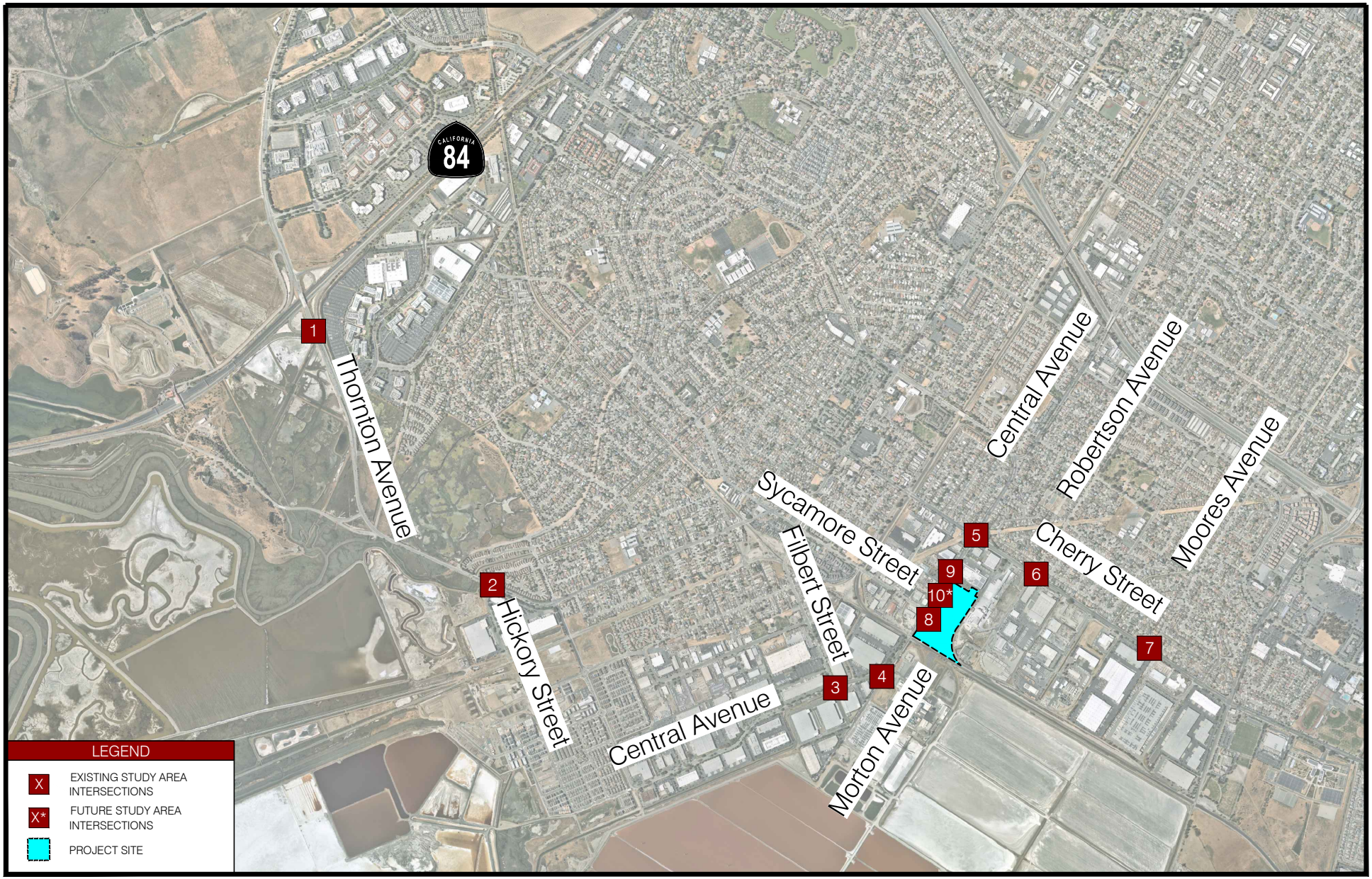
STUDY METHODOLOGY

With the passage of SB 743, Vehicle Miles Traveled (VMT) has become an important indicator for determining if a new development will result in a "significant transportation impact" under the California Environmental Quality Act (CEQA). This report summarizes the VMT analysis and resultant findings for the proposed development.

VEHICLE MILES TRAVELED (VMT)

The Alameda County Transportation Commission (ACTC) was developed to implement transportation programs and project across Alameda County. One of its responsibilities is to develop and manage the Countywide travel demand model, which is used for estimating future volumes and VMT based on future land uses and the future roadway network. ACTC has developed maps displaying estimates of VMT per employee based on traffic analysis zone (TAZ) estimates from the Alameda Countywide Travel Demand Model that were used to determine if the project would cause a significant impact.

The City does not have a specified VMT criteria, and therefore per guidance provided by the Governor's Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA*, the threshold for employment-based VMT uses is set at 15 percent below the regional average.



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N

NOT TO SCALE

FIGURE 1
STUDY AREA AND INTERSECTIONS

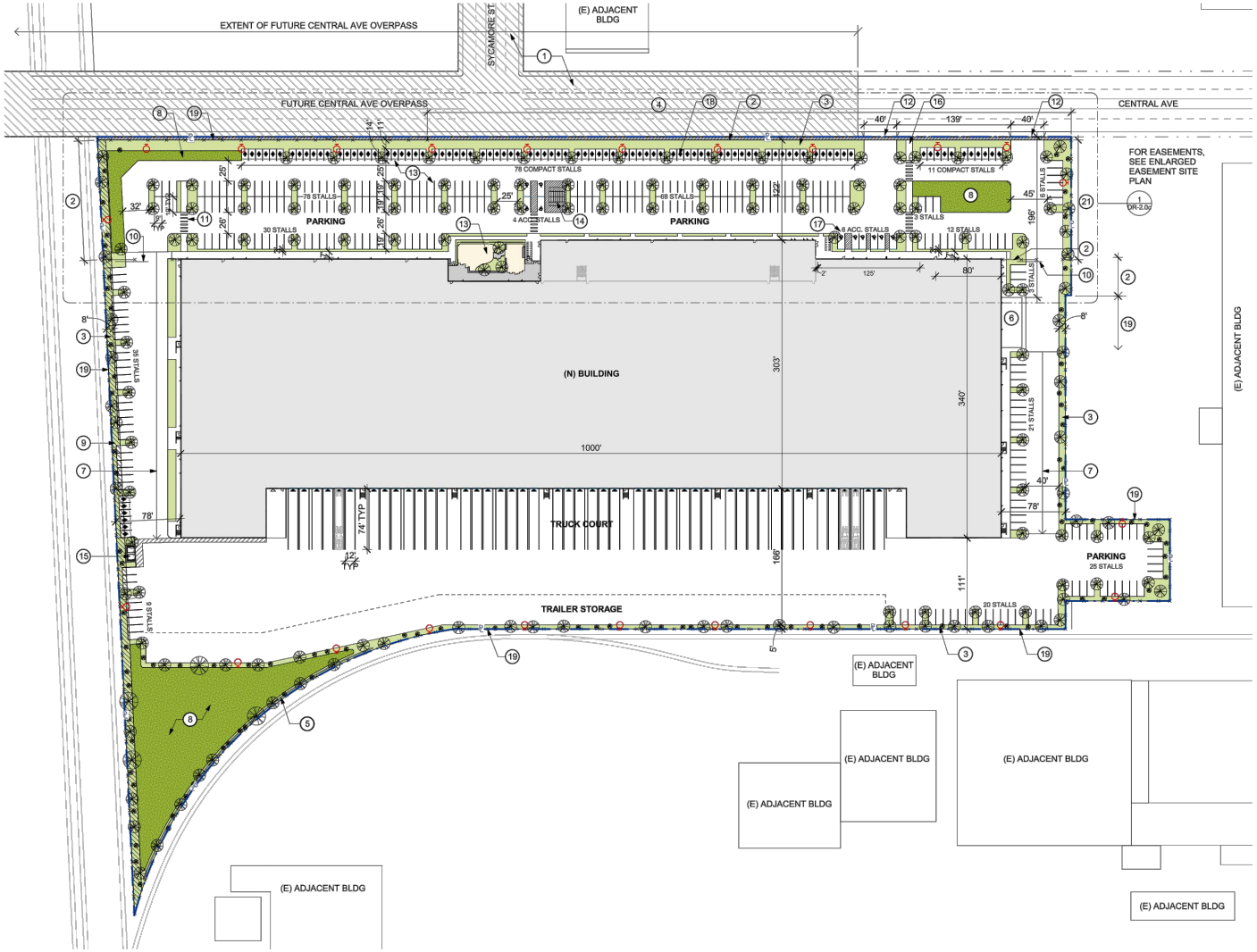

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FIGURE 2
SITE PLAN

SUPPLEMENTAL TRAFFIC OPERATIONS ANALYSIS

A supplemental traffic operations analysis was conducted to evaluate the Project's effect on LOS operations within the project's vicinity.

Study Area

The Project would generate new vehicular trips that would increase traffic volumes on the nearby street network. To assess changes in traffic conditions associated with the proposed project, the intersections in **Table 1** were evaluated. **Figure 1** illustrates the location of each intersection relative to the project site. The two (2) project driveways are also included as study intersections.

Table 1: Study Intersections

#	Intersection
1	Thornton Avenue and SR-84 EB Ramps
2	Thornton Avenue and Hickory Street
3	Central Avenue and Filbert Avenue
4	Central Avenue and Morton Avenue
5	Central Avenue and Cherry Street
6	Cherry Street and Robertson Avenue
7	Cherry Street and Moores Avenue
8	Central Avenue and Sycamore Avenue
9	Central Avenue and East Project Driveway
10	Central Avenue and West Project Driveway

Analysis Scenarios

Two (2) scenarios were analyzed as part of the supplemental traffic operations analysis, listed below:

- Existing conditions – Based on existing traffic counts collected in April 2023 and May 2023. At the time counts were collected, the 7380 Morton Avenue Project was at 64 percent occupancy. Therefore, only a portion of the trips generated by the Morton Avenue Project are accounted for in the existing counts. As a conservative approach, the remaining 36 percent of Morton Avenue Project trips were added to the existing 2023 counts to develop Existing conditions volumes. The existing roadway geometry and traffic control was assumed.
- Existing plus project traffic conditions – Based on Existing conditions plus the traffic generated by the Project.

Intersection Level of Service

The LOS of an intersection is a qualitative measure used to describe operational conditions. LOS ranges from A (best), which represents minimal delay, to F (worst), which represents heavy delay and a facility that is operating at or near its functional capacity. Levels of service for this study were determined using methods defined in the *Highway Capacity Manual, 6th Edition* (HCM 6) within the *Synchro 11* traffic analysis software.

The HCM includes procedures for analyzing side-street stop-controlled (SSSC), all-way stop-controlled (AWSC), and signalized intersections. The SSSC procedure defines LOS as the highest delay of each

minor street movement or major street left turns. Conversely, the AWSC and signalized intersection procedures define LOS as a function of average control delay for the entire intersection. **Table 2** relates the operational characteristics associated with each LOS category for signalized and unsignalized intersections.

According to the City of Newark, the level of service standard for intersections is LOS D. Therefore, project deficiencies were considered if:

- The addition of project traffic causes a signalized intersection to:
  - Operate at LOS E or F overall, or
  - Adds four (4) seconds of delay to an intersection already operating at LOS E or F under the comparable No Project scenario
- The addition of project traffic causes an unsignalized intersection to:
  - Operate at LOS E or F overall, or
  - Adds four (4) seconds of delay to an intersection already operating at LOS E or F under the comparable No Project scenario and California MUTCD Signal Warrant 3A or 3B is met for the impacted peak hour

Table 2: Intersection Level of Service Definitions

Level of Service	Description	Signalized (Avg. control delay per vehicle sec/veh.)	Unsignalized (Avg. control delay per vehicle sec/veh.)
A	Free flow with no delays. Users are virtually unaffected by others in the traffic stream	≤ 10	≤ 10
B	Stable traffic. Traffic flows smoothly with few delays.	> 10 – 20	> 10 – 15
C	Stable flow but the operation of individual users becomes affected by other vehicles. Modest delays.	> 20 – 35	> 15 – 25
D	Approaching unstable flow. Operation of individual users becomes significantly affected by other vehicles. Delays may be more than one cycle during peak hours.	> 35 – 55	> 25 – 35
E	Unstable flow with operating conditions at or near the capacity level. Long delays and vehicle queuing.	> 55 – 80	> 35 – 50
F	Forced or breakdown flow that causes reduced capacity. Stop and go traffic conditions. Excessive long delays and vehicle queuing.	> 80	> 50

Sources: Transportation Research Board, Highway Capacity Manual 2016, National Research Council, 2016.

The following assumptions were included in the analysis:

- Peak-hour factor (PHF) based on the existing traffic data was used for the Existing (2023) and Existing plus Project (2023) scenarios.

- Traffic signal timing assumptions for Existing (2023) conditions were based on existing signal timing sheets provided by the City, existing signal phasing and existing traffic volumes.
- Percent of heavy vehicles (PHV) based on a default value of 2 percent.

Vehicle Queuing

Queues that exceed the turn pocket length can create potentially hazardous conditions by blocking or disrupting through traffic in adjacent travel lanes. The effect of vehicle queuing was analyzed by reporting the 95th percentile queues for turning movements where the project would add substantial number of trips. The 95th percentile queue length represents a condition where 95 percent of the time during the peak hour, traffic queues will be less than or equal to the queue length determine by the analysis. This is referred to as the "95th percentile queue", which is less than the average queuing. For signalized intersections, the 95th percentile queue length was determined based on queue length calculation within the *Synchro 11* traffic analysis software. For unsignalized intersections, the 95th percentile queue length was determined using HCM 6 methodology.

2. EXISTING (2023) CONDITIONS

This chapter describes the existing conditions of the roadway network, traffic volumes, transit service, pedestrian facilities, and bicycle facilities within the vicinity of the project site.

ROADWAY NETWORK

In the City of Newark General Plan, roadways within the study area are designated as freeway, arterial, collector, or local road. This section provides a description of the specific roadways included in this study.

FREEWAYS

State Route 84 (SR 84) is an east-west freeway that spans across the San Francisco Bay, connecting to SR 1 to the west and Interstate 580 to the east. Within the study area, SR 84 is a six-lane freeway divided with a median. The posted speed limit is 65 mph.

ARTERIALS

Thornton Avenue is a two- to four-lane arterial spanning from SR 84 to the west and turns into SR 84 to the east. The roadway provides access to the commercial and residential areas within Newark. Thornton Avenue is a designated truck route. The posted speed limit is 45 mph between SR 84 and Willow Street and 35 mph east of Willow Street.

Central Avenue is a two- to four-lane arterial between Willow Street and Fremont Boulevard. The roadway serves commercial, industrial, and residential land uses and is divided by a two way left-turn lane (TWLTL). Central Avenue is a designated truck route. In the future, the City plans to reconfigure the roadway from at-grade to elevated from west of Morton Avenue to east of Sycamore Street. This improvement has been considered in the future analysis. The posted speed limit is 40 mph within the study area.

Cherry Street is a four-lane arterial divided by a TWLTL. The roadway provides access to industrial, commercial, and residential uses. Cherry Street is a designated truck route. It spans from Mirabeau Drive to the north and Stevenson Boulevard to the south. In the study area, the posted speed limit is 45 mph.

COLLECTORS

Filbert Street is a two-lane, north-south collector from Carter Avenue to Central Avenue. The roadway provides access to industrial and residential land uses. Filbert Street is a designated truck route. The posted speed limit is 35 mph.

Sycamore Street is a two-lane, north-south collector divided by a TWLTL from Central Avenue to Mayhews Landing Road. The roadway provides access to residential land uses. Sycamore Street is a designated truck route. Within the study area, the posted speed limit along is 35 mph.

Robertson Avenue is a two-lane undivided collector from Cherry Street to Cedar Boulevard. The roadway provides access to industrial, commercial, and residential land uses. Within the study area, the posted speed limit along is 25 mph.

Moores Avenue is a two-lane undivided collector from Cherry Street to Cedar Boulevard. The roadway provides access to industrial, commercial, and residential land uses. Within the study area, the posted speed limit along is 25 mph.

LOCAL ROADS

Hickory Street is a two-lane undivided local street. Hickory Street connects to Thornton Avenue and Railroad Avenue. The roadway serves office and industrial land uses. There is no posted speed limit, but it was assumed that the speed limit is 25 mph.

Morton Avenue a two-lane undivided local street. Morton Avenue connects to Central to the north. The roadway serves industrial land uses. There is no posted speed limit, but it was assumed that the speed limit is 25 mph.

STUDY INTERSECTION LANE CONFIGURATION AND TRAFFIC CONTROL

The intersection lane configuration and traffic controls, as of June 2023, are illustrated in **Figure 3**.

PEAK-HOUR TURNING MOVEMENT VOLUMES

Intersection turning movement volumes for the study intersections were collected on Tuesday, May 16, 2023 for all intersections except for Central Avenue and Cherry Street, which was collected on Tuesday, April 18, 2023. All counts were collected before local schools started summer break. Volumes were collected between 7:00 AM – 9:00 AM to capture the AM peak periods, and between 4:00 PM – 6:00 PM for the PM peak periods. As mentioned previously, the 7380 Morton Avenue Project was at 64 percent occupancy at the time counts were collected based on information provided by the City's Economic Development Manager. Therefore, only a portion of the trips generated by the Morton Avenue Project are accounted for in the collected counts. As a conservative approach, the remaining 36 percent of the Morton Avenue Project trips were derived from the *7380 Morton Transportation Impact Assessment Report*, by Fehr and Peers, dated March 13, 2018 (Morton TIA), and added to existing 2023 counts to develop Existing conditions volumes.

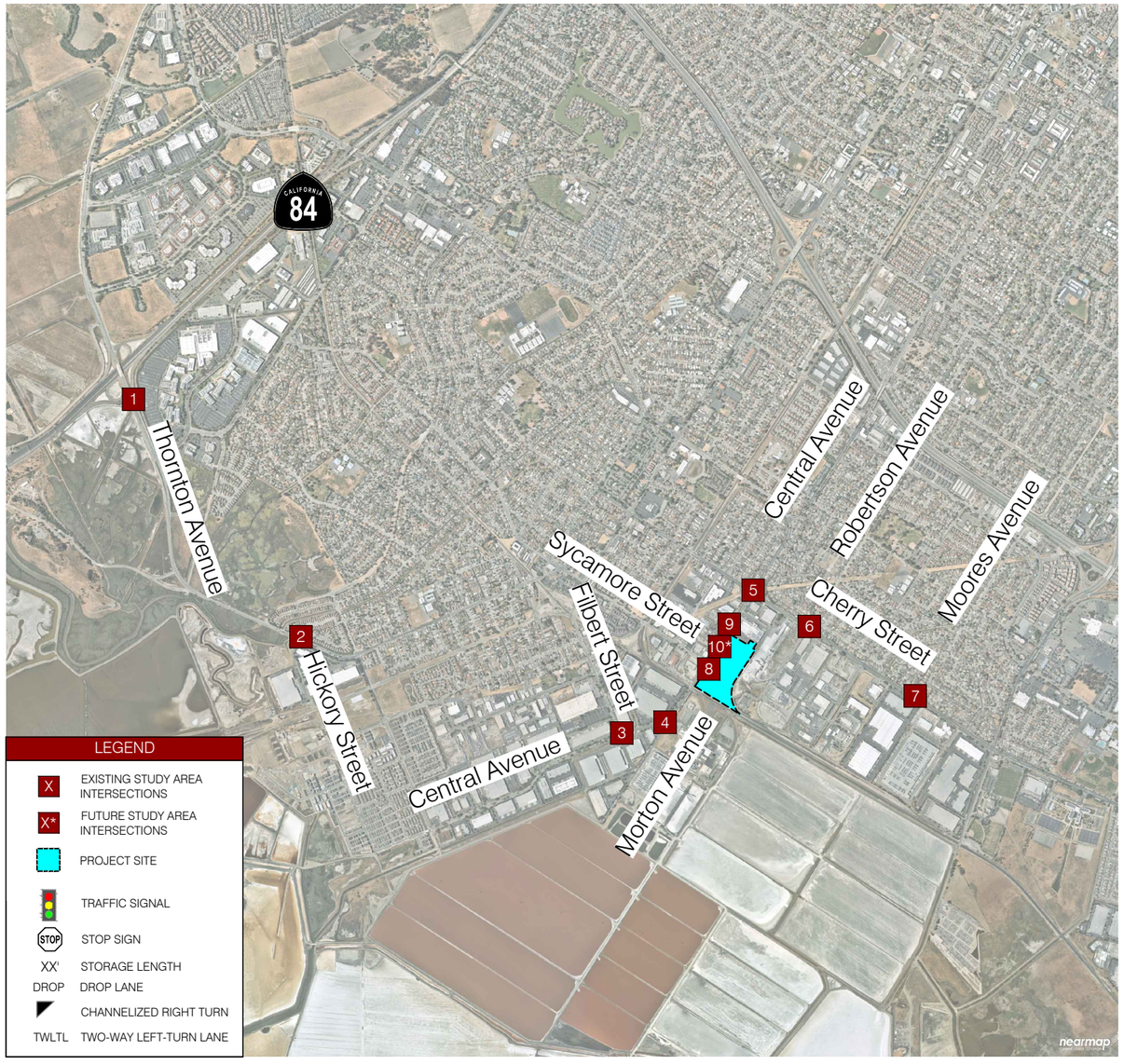
Existing peak hour turning movement volumes are shown in **Figure 4**. Existing traffic volume data sheets are provided in **Appendix A**.

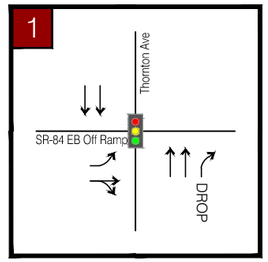
FIELD OBSERVATIONS

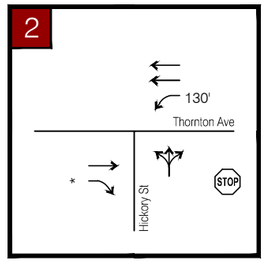
The study intersections were observed during the AM and PM peak hours. For certain intersections, there are lanes wide enough for a right-turning vehicle to bypass other vehicles in the shared through-right or shared left-through-right lane. These movements are considered de facto right turns and they have been analyzed with an exclusive right-turn lane to represent the in-field conditions more accurately. The following movements have been analyzed with a de facto right-turn lane:

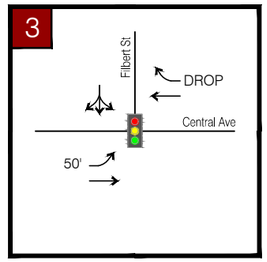
- Intersection #2—Thornton Avenue/Hickory Street (eastbound right)
- Intersection #5—Central Avenue/Cherry Street (southbound right and northbound right)
- Intersection #6—Cherry Street/Robertson Avenue (southbound right, eastbound right, and northbound right)
- Intersection #7—Cherry Street/Moores Avenue (eastbound right and northbound right)

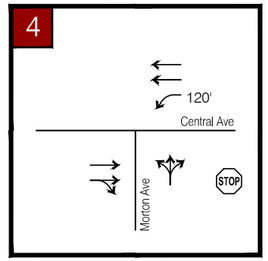
In addition, it was also confirmed that the delays at intersection #6 and #7 for the minor street approaches were consistent with the high delays output by Synchro. Delays up to 150 seconds were observed on the minor road due to the high speed and volumes along Cherry Street.

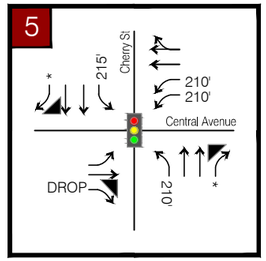


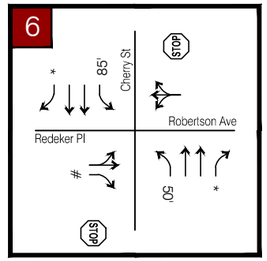


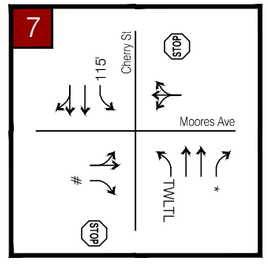


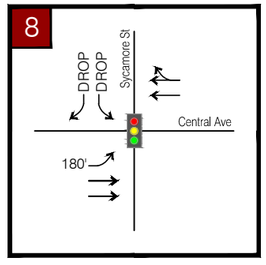


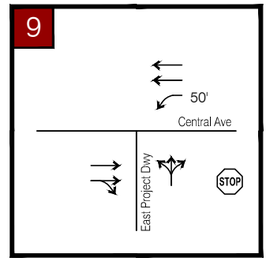


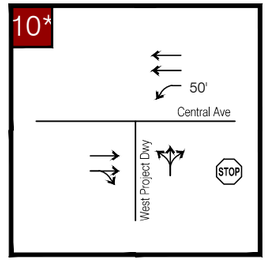












* STRIPED AS SHARED THROUGH/RIGHT TURN LANE, ANALYZED AS SEPARATE DE FACTO RIGHT TURN LANE

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FIGURE 3
LANE GEOMETRY AND TRAFFIC CONTROL

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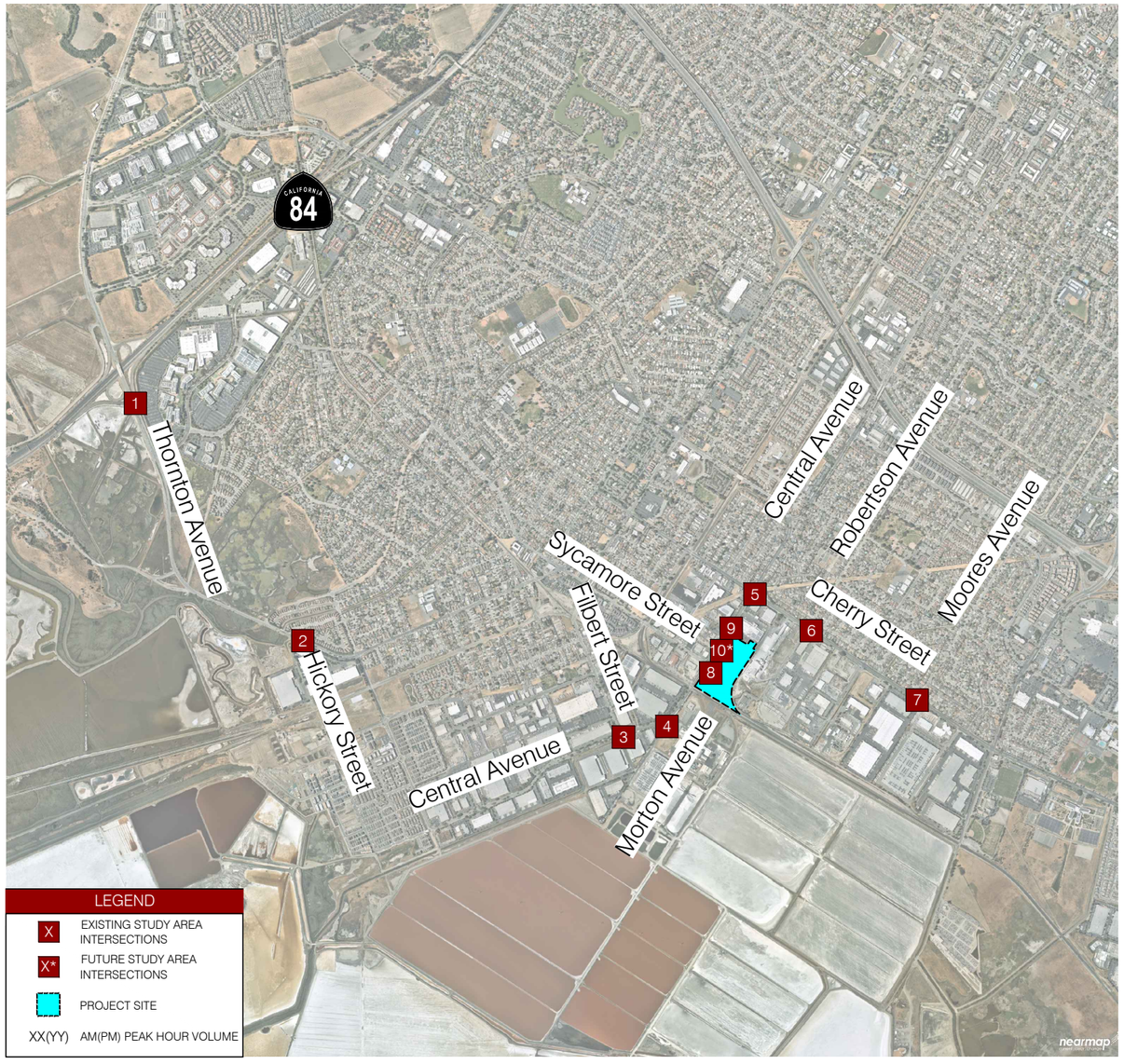

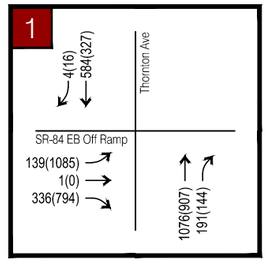

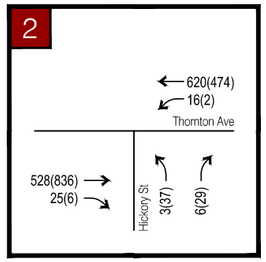

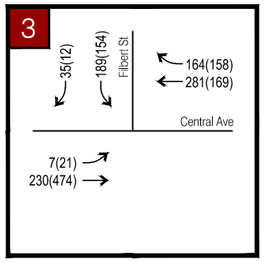

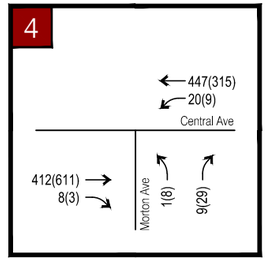

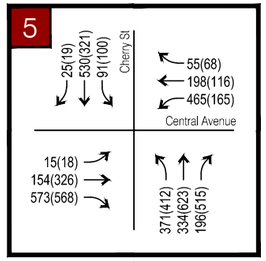

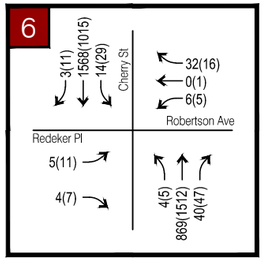

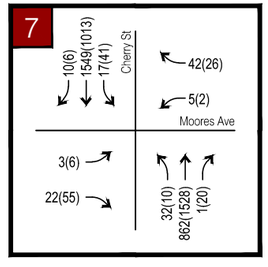

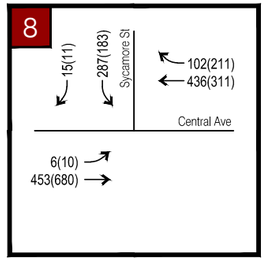

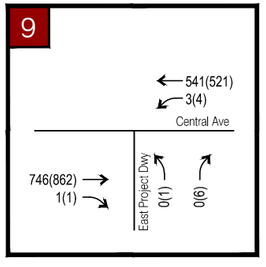

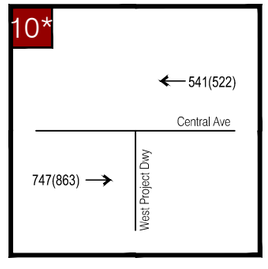

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FIGURE 4
EXISTING PEAK HOUR TURNING MOVEMENT VOLUMES

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BICYCLE FACILITIES

Figure 5 illustrates existing and proposed facilities in the study area. Class I bicycle facilities are bike paths/trails, Class II bicycle facilities are defined as bike lanes, and Class III bicycle facilities are bike routes/boulevards.

Within the project study area, there are Class I, II, and III bicycle facilities along the following corridors:

- Class I bike paths:
  - Along railroad tracks from Newark Boulevard to Cedar Boulevard
  - Birch Street from Robertson Avenue to Smith Ave
- Class II bike lanes:
  - Thornton Avenue from SR 84 to Spruce Street
  - Jarvis Avenue from Thornton Avenue to Lake Boulevard
  - Newark Boulevard from Jarvis Avenue to Cedar Boulevard
  - Cedar Boulevard from Haley Street to Newark Boulevard
  - Cedar Boulevard from Robertson Avenue to Balentine Drive
  - Haley Street from Cedar Boulevard to Sycamore Street
  - Sycamore Street from Haley Street to Central Ave
  - Newark Boulevard from Bellhaven Avenue to Central Avenue
  - Cherry Street from Central Avenue to Balentine Drive
  - Filbert Street from railroad tracks to Enterprise Drive
  - Willow Street from Peachtree Avenue to Central Avenue
  - Enterprise Drive from Willow Street to Central Avenue
  - Central Avenue from Willow Street to Morton Avenue
- Class III bike routes:
  - Central Avenue from Cherry Street to Birch Street

In addition to existing facilities, there are future proposed bike facilities throughout the study area. See **Figure 5** for the locations of future bike facilities.

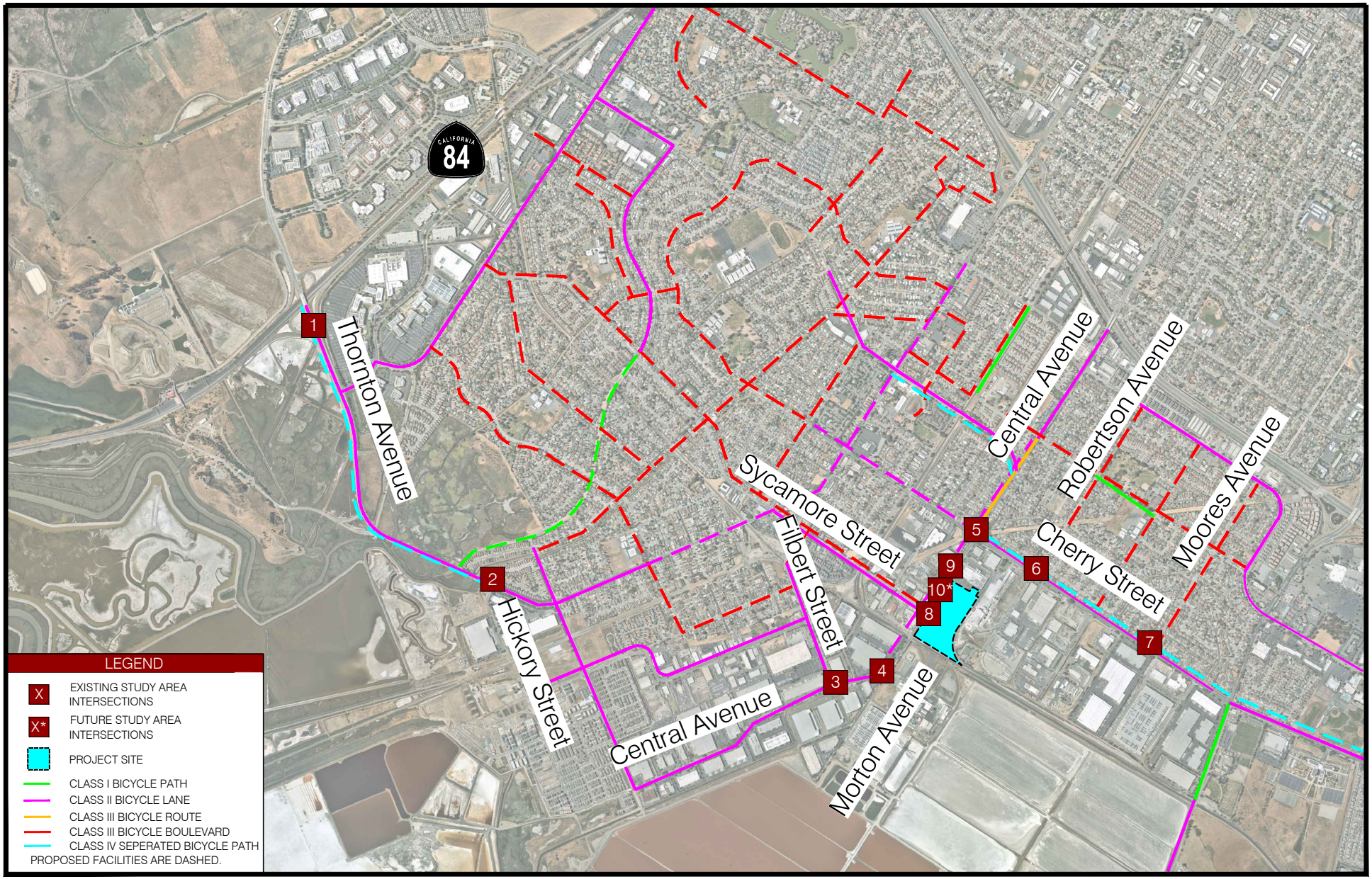

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FIGURE 5

EXISTING AND PROPOSED BICYCLE FACILITIES

TRANSIT FACILITIES

Alameda-Contra Costa Transit District (AC Transit) provides transit services in the study area. **Figure 6** illustrates the existing transit services within the study area and are described in this section. **Table 3** provides a summary of the existing transit service in the study area.

Table 3: Existing Transit Service

Route	Description	Weekdays		Weekends	
		Operating Hours	Headway[1] (minutes)	Operating Hours	Headway[1] (minutes)
200	Decoto-Newark Blvd.-Mowry	6:08 AM – 12:33 AM	20	6:13 AM – 12:53 AM	20
251	Paseo Padre-Thornton-Cherry	6:35 AM – 7:34 PM	60	6:41 AM – 7:34 PM	60
620	Newark Jr. High-Cedar	7:41 AM – 8:03 AM 2:04 PM – 2:25 PM (F) 3:10 PM – 3:31 PM (M, Tu, W, Th)	-	-	-
626	Newark Memorial-Newark Blvd.	7:48 AM – 8:10 AM 3:39 PM – 3:57 PM	-	-	-
628	Newark Memorial-Cedar	7:52 AM – 8:10 AM 3:39 PM – 3:57 PM	-	-	-
629	Newark Memorial-Cherry-Haley	7:47 AM – 8:10 AM 3:39 PM – 4:02 PM	-	-	-

Notes:
[1] Headways are defined as the time between transit vehicles on the same route.

Route 200 (Decoto-Newark Blvd.-Mowry) operates between the Union City Bay Area Rapid Transit (BART) station and the Fremont BART station. Route 200 operates on weekdays between 6:08 AM and 12:33 AM of the next day on 20-minute headways and on weekends between 6:13 AM and 12:53 AM of the next day on 20-minute headways. The route runs along Thornton Avenue, Filbert Street, Central Avenue, Cedar Boulevard, and Mowry Avenue in Newark. The nearest bus stop to the project site is located at the intersection of Central Avenue and Sycamore Street.

Route 251 (Fremont Blvd-Pacific Commons) operates between Ohlone College and the Fremont BART station on the weekdays. Route 251 operates on weekdays between 6:35 AM and 7:34 PM on 60-minute headways. On weekends, route 251 runs between Silliman Recreation Center and the Fremont BART station. Weekend operation hours are between 6:41 AM and 7:34 PM on 60-minute headways. The route runs along Cherry Street, Central Avenue, and Thornton Avenue in Newark. The nearest bus stop to the project site is located at the intersection of Cherry Street and Central Avenue.

Route 620 (Newark Jr. High-Cedar) operates on weekday mornings between Cedar Boulevard and Stevenson Boulevard to Newark Jr. High School from 7:41 AM to 8:03 AM. The route operates on weekday afternoons, except for Fridays, from Newark Jr. High School to Cedar Boulevard and Stevenson Boulevard from 3:10 PM to 3:31 PM. The route operates on weekday Friday afternoons from Newark Jr. High School to Cedar Boulevard and Stevenson Boulevard from 2:04 PM to 2:25 PM. Route 620 does not run on weekends. Route 620 runs along Newark Boulevard, Cherry Street, Thornton Avenue, Sycamore Street, Central Avenue, and Cedar Boulevard. The nearest bus stop to the project site is located at the intersection of Central Avenue and Sycamore Street.

Route 626 (Newark Memorial-Newark Blvd.) operates on weekday mornings between the Lido Faire Shopping Center and Newark Memorial High School from 7:48 AM to 8:10 AM. The route operates on

weekday afternoons from Newark Memorial High School to Lido Faire Shopping Center from 3:39 PM to 3:57 PM. Route 626 does not run on weekends. Route 626 runs along Newark Boulevard, Central Avenue, and Cedar Boulevard. The nearest bus stop to the project site is located at the intersection of Central Avenue and Birch Street.

Route 628 (Newark Memorial-Cedar) operates on weekday mornings between the Lido Faire Shopping Center and Newark Memorial High School from 7:52 AM to 8:10 AM. The route operates on weekday afternoons from Newark Memorial High School to Lido Faire Shopping Center from 3:39 PM to 3:56 PM. Route 628 does not run on weekends. Route 626 runs along Cedar Boulevard. The nearest bus stop to the project site is located at the intersection of Central Avenue and Cedar Boulevard.

Route 629 (Newark Memorial-Cherry-Haley) operates on weekday mornings between the Lido Faire Shopping Center and Newark Memorial High School from 7:47 AM to 8:10 AM. The route operates on weekday afternoons from Newark Memorial High School to Lido Faire Shopping Center from 3:39 PM to 4:02 PM. Route 629 does not run on weekends. Route 629 runs along Newark Boulevard, Cherry Street, Thornton Avenue, Sycamore Street, Central Avenue, Mowry Avenue, Haley Street, Lido Boulevard, James Avenue and Cedar Boulevard. The nearest bus stop to the project site is located at the intersection of Cherry Street and Central Avenue.

It should be noted that Routes 620, 626, 628, and 629 are school routes and do not operate in the summer.

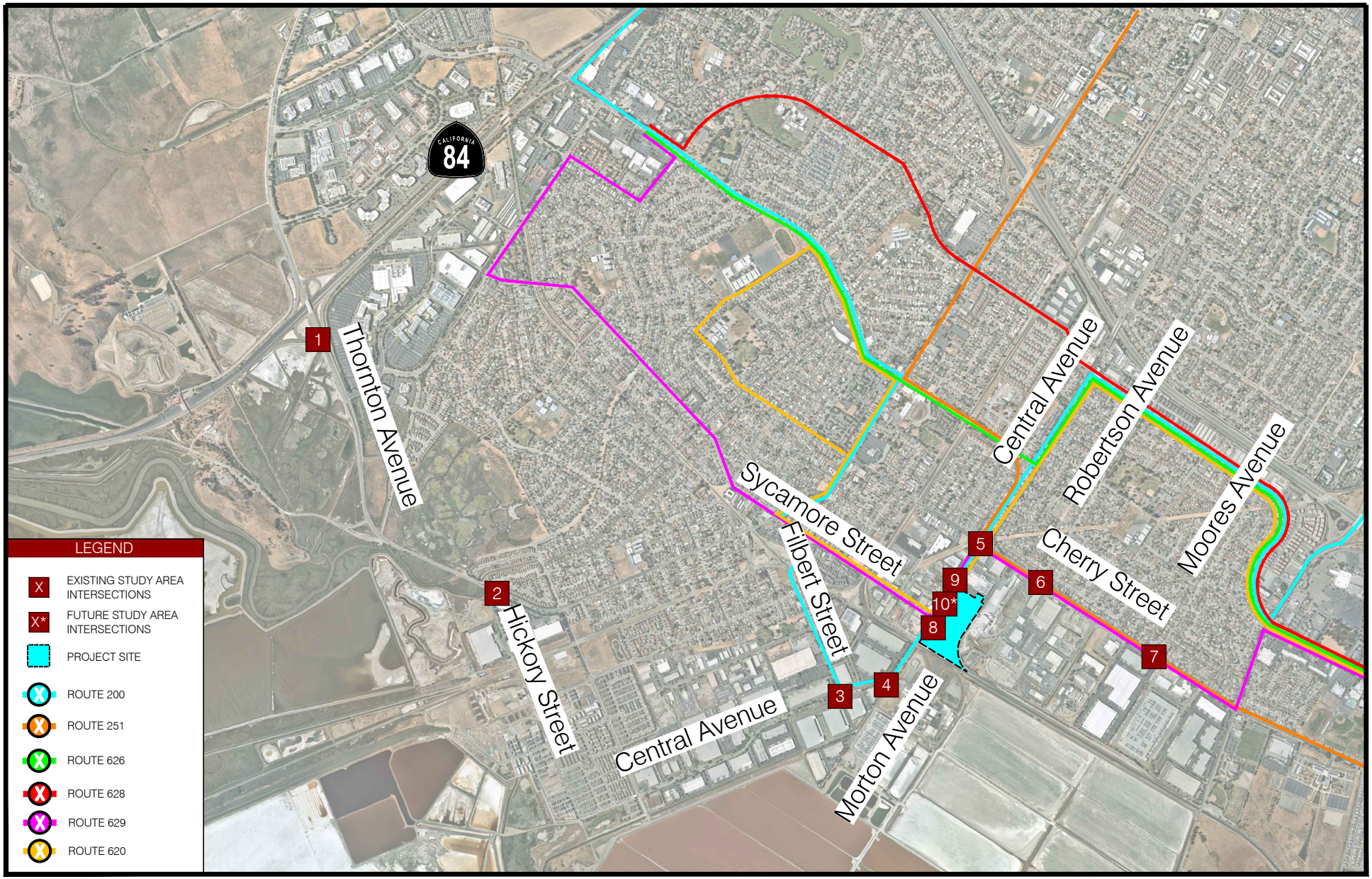

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FIGURE 6
EXISTING TRANSIT FACILITIES

3. PROJECT DESCRIPTION

This chapter presents a description of the proposed site use, trip generation, trip distribution, and trip assignment.

PROPOSED SITE USE AND OPERATIONS

The proposed project consists of a 315,390 square-foot industrial building. The proposed project would be located in Newark, California. The Project site is located at 6756 Central Avenue, which is to the south of Central Avenue and near Sycamore Street. The project proposes two unsignalized driveways on Central Avenue to the east of Sycamore Street. The eastern driveway is intended for truck access and the western driveway is intended for passenger car access. The site plan is presented in **Figure 2.**

It should be noted that the project site is located adjacent to a future roadway improvement that will be constructed by the City. The roadway project includes elevating Central Avenue from west of Morton Avenue to east of Sycamore Street. The elevated roadway will connect to the existing grade just to the west of the west project driveway and therefore will not impact the two project driveways.

TRIP GENERATION

Since the project does not have a tenant yet, the developer would like the most flexibility within the uses of ITE Land Use 760 (Research and Development), ITE Land Use 140 (Manufacturing), ITE Land Use 150 (Warehousing), and ITE Land Use 155 (High Cube Fulfillment Center Warehouse-Sort). A comparison of the generated trips per land use can be found in **Appendix B.** The Project's proposed trip generation was based on the highest trip generating land use; therefore, the equation for Research and Development was used for the daily and AM peak hour and the rate for High Cube Fulfillment Center Warehouse-Sort was used for the PM peak hour, from the Institute of Transportation Engineer's (ITE) publication, *Trip Generation Manual, 11th Edition*. Since there is no available truck trip data for a R&D facility in the daily and AM peak hour and as a conservative approach for the PM peak hour, the highest truck trip generation from the land uses considered, Manufacturing, was used for all time periods. The number of passenger vehicles was determined by subtracting the number of truck trips from the total vehicle trips calculated from the R&D and High Cube Fulfillment Center Warehouse-Sort land uses. A Passenger Car Equivalent (PCE) of 2.0 was used for trips associated with trucks. Existing trip credits were taken by collecting driveway counts to account for trips currently generated from the existing use. Daily counts were not collected and were calculated based on the assumption that PM peak hour trips account for 10 percent of the daily trips. The existing site generates a total of 110 daily trips, 11 AM peak hour trips (7 inbound and 4 outbound), and 11 PM peak hour trips (1 inbound and 10 outbound). The existing trips were removed from the driveways and study network under plus project conditions.

The Project is expected to generate a net new 3,339 daily PCE trips, a total of 303 AM peak hour PCE trips (248 inbound and 55 outbound), and 376 PM peak hour PCE trips (151 inbound and 225 outbound).

Table 4 shows the anticipated net new daily traffic, AM, peak hour, and PM peak hour traffic generated.

Table 4: Project Trip Generation

Vehicle Type	Daily	AM			PM		
		In	Out	Total	In	Out	Total
Existing (Driveway Counts)							
Total Veh	110[1]	7	4	11	1	10	11
Proposed[2] Daily and AM Peak Hour – ITE: Research & Development LU 760 PM Hour – ITE: High Cube Fulfillment Center Warehouse – Sort LU 155 Trucks – ITE: Manufacturing LU 140							
Total Veh	3,307	250	55	305	148	230	378
PC	3,165	245	51	296	144	225	369
Truck (ITE)	142	5	4	9	4	5	9
Truck (PCE[3])	284	10	8	18	8	10	18
Net Total	**3,339**	**248**	**55**	**303**	**151**	**225**	**376**

Source: Kimley-Horn (2023)
[1]Daily counts not provided. Daily trips were calculated based on the assumption that PM peak hour trips account for 10 percent of the daily trips.
[2]Fitted curve equation for ITE LU 760 (Research and Development) used to develop daily and AM peak hour passenger car trips. Average rate for ITE LU 155 (High Cube-Sort) used to develop PM peak hour passenger car trips. Average rate for ITE LU 140 (Manufacturing) used to develop all truck trips.
[3]PCE = Passenger Car Equivalent

PROJECT TRIP DISTRIBUTION AND ASSIGNMENT

The Project's trip distribution was based on the distribution in the Morton TIA. **Figure 7** shows the resulting general project traffic distribution assumed for the LOS analysis for the Existing plus Project scenario.

Based on the assumed trip distribution, the volumes generated by the project were assigned to the street network. Trip assignment to the project driveways was based on access type for each respective driveway. The eastern driveway is intended for truck access and the western driveway is intended for passenger car access. The trips generated from the existing use currently utilize an existing driveway that is between intersections #8 and #10. Therefore, when existing trip credits were subtracted from the proposed trips, it resulted in negative net project trips at intersection #9 in the northbound right-turn movement and intersection #11 in the westbound left-turn movement. **Figure 8** presents driveway peak hour trip assignment based on the existing driveway counts and proposed project trips. **Figure 9** presents the net project peak hour trip assignment, which was determined by subtracting the existing trip credit volumes from the proposed project volumes.

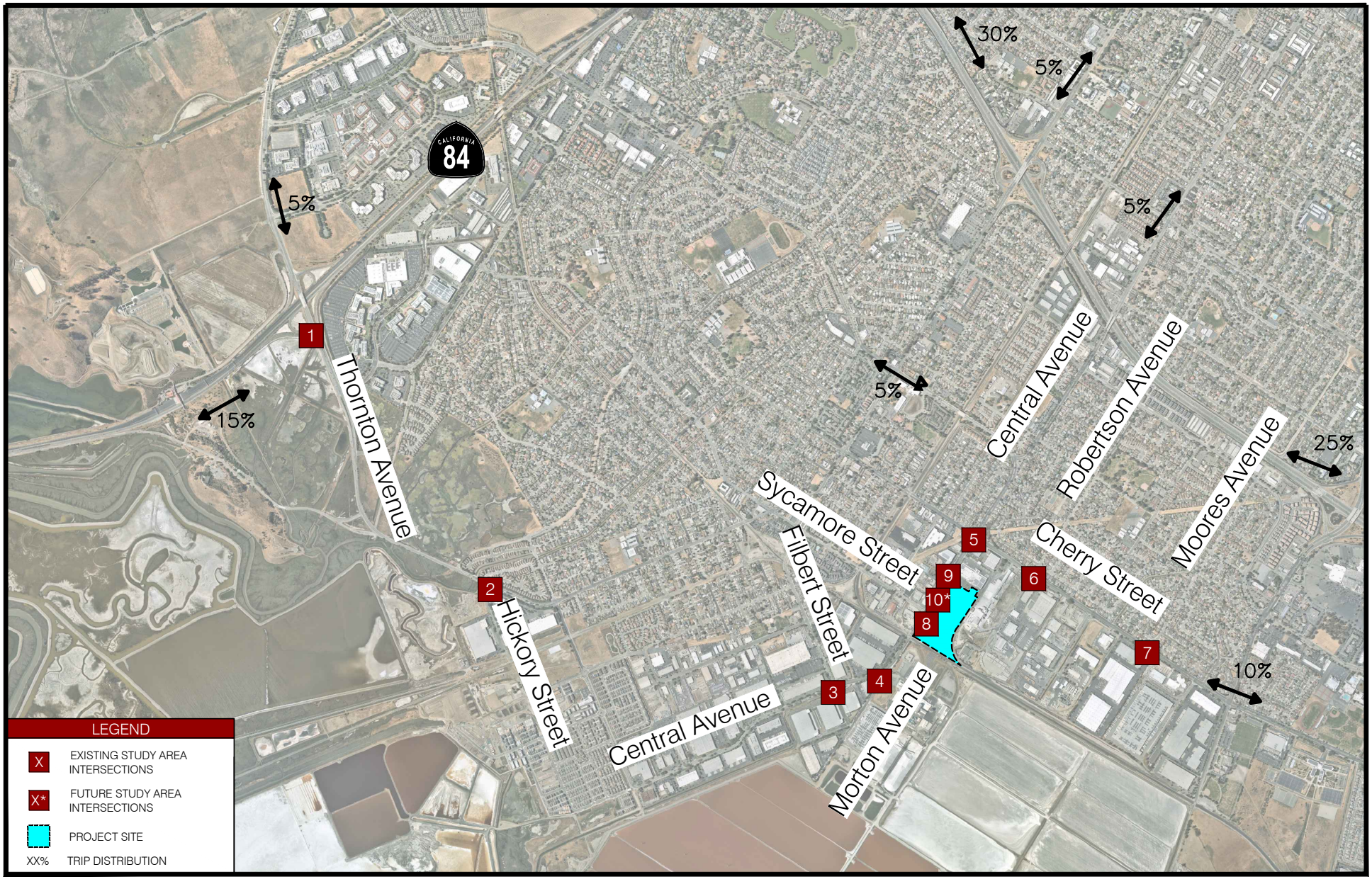

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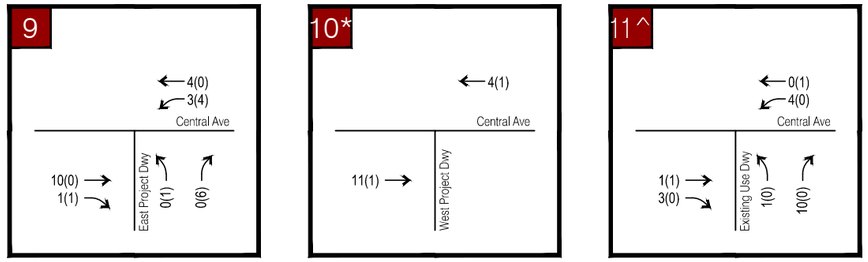
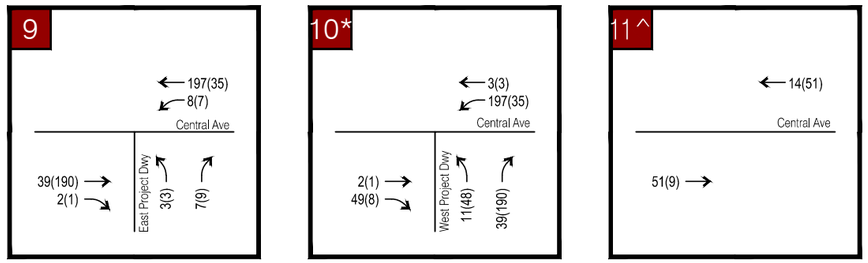
FIGURE 7
PROJECT TRIP DISTRIBUTION



EXISTING TRIP CREDIT TRIPS



PROPOSED PROJECT TRIPS



NET PROJECT TRIPS

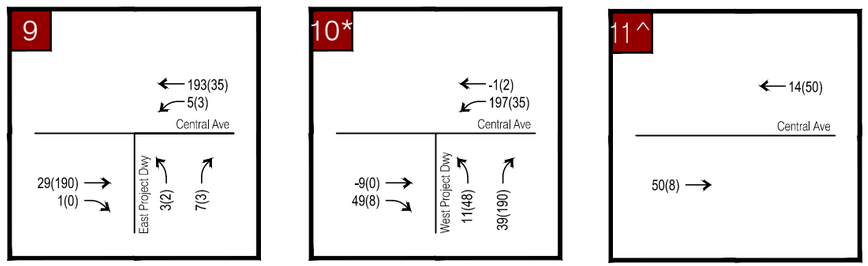


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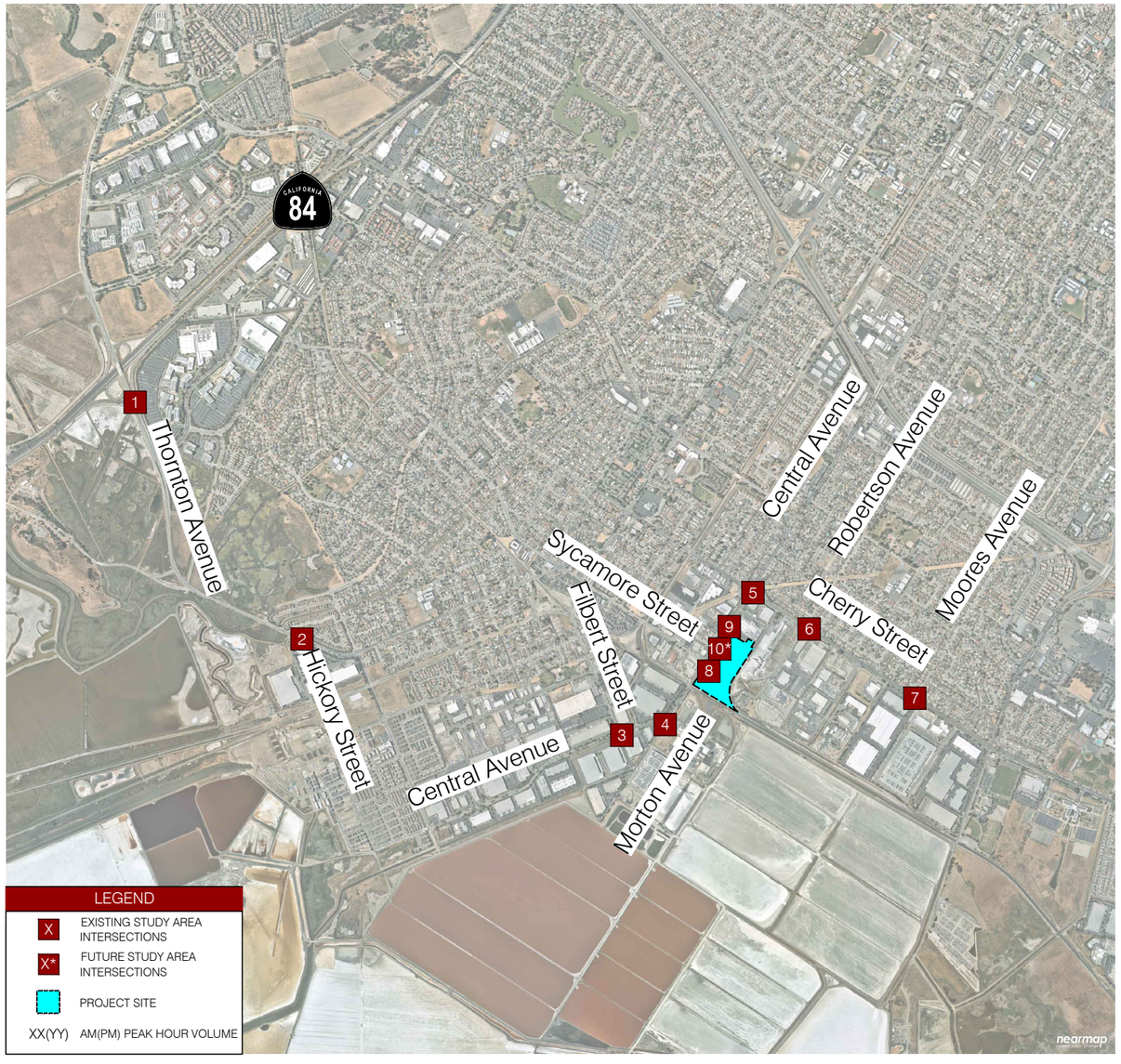
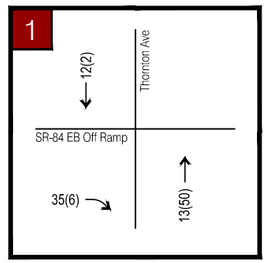
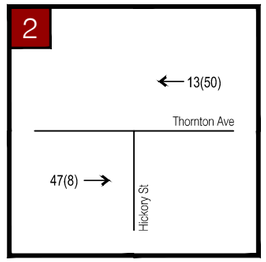
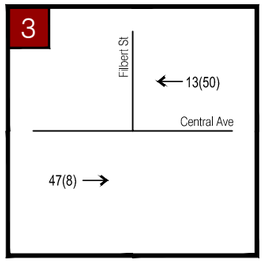
FIGURE 8
DRIVEWAY PEAK HOUR TURNING MOVEMENT VOLUMES

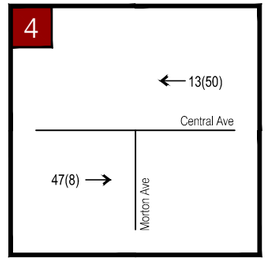
Newark Prologis TIA

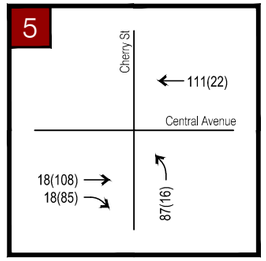


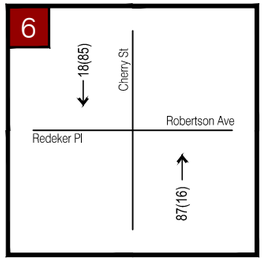


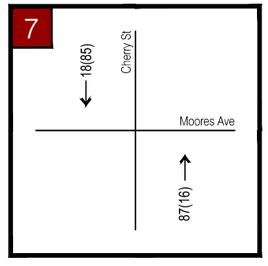


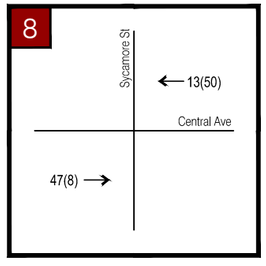


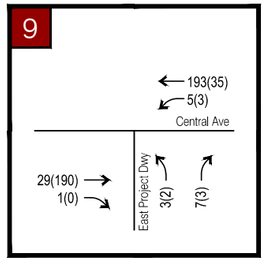












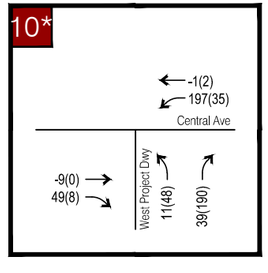


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FIGURE 9
NET PROJECT PEAK HOUR TURNING MOVEMENT VOLUMES

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Newark Prologis TIA

4. VEHICLE MILES TRAVELED (VMT)

This chapter summarizes the Project's Vehicle Miles Traveled (VMT) methodology, analysis, and results.

VMT METHODOLOGY

The City has not yet adopted VMT guidelines or a methodology for determining VMT impacts. Therefore, the Project's VMT evaluation relied on guidance provided by the Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA[2] to determine potential impacts under Senate Bill (SB) 743. It should be noted that the ACTC VMT tools and maps are consistent with OPR methodology and the recommended 15 percent below countywide average threshold. The approach outlined by the OPR Technical Advisory does not specifically address industrial facilities. For the purposes of this analysis, it is assumed that the project will be evaluated based on VMT per employee since the predominant driver of VMT for the proposed Project would be commute trips and other employee-based trips. This approach is consistent with OPR guidelines which states, "where methodologies exist that can estimate the full extent of vehicle miles traveled from a project, the lead agency should apply them to do so".

VMT ANALYSIS

The ACTC has developed maps displaying estimates of VMT per employee based on traffic analysis zone (TAZ) estimates from the Alameda Countywide Travel Demand Model. Based on the VMT per Employee map for the South Planning Area shown in **Appendix C**, the project is located in an area with a VMT equal to 14.02.

Per guidance provided by the Governor's Office of Planning and Research (OPR) Technical Advisory on Evaluating Transportation Impacts in CEQA[2], the threshold for employment-based VMT uses is set at 15 percent below the regional average. Compared to the South Planning Area Average, the target VMT is 14.6 (which is 15 percent below the 17.2 VMT per employee) and therefore the project would result in a less than significant VMT impact.

[2] Technical Advisory on Evaluating Transportation Impacts in CEQA, Governor's Office of Planning and Research, December 2018.

5. SUPPLEMENTAL TRAFFIC OPERATIONAL ANALYSIS

This chapter discusses the supplemental traffic operational analysis to determine the effects of the proposed project on the transportation system, including LOS and vehicle queuing analyses.

EXISTING (2023) CONDITIONS ANALYSIS

Existing (2023) conditions analysis is based on traffic shown in **Figure 4** as well as existing roadway geometry, and traffic controls, shown in **Figure 3**, as of June 2023. **Table 5** displays the intersection LOS analysis results under Existing (2023) Conditions. All study intersections function within acceptable LOS standards under this analysis scenario, except for the following intersections:

- #6 – Cherry St/Robertson Ave (AM and PM peak hours)
- #7 – Cherry St/Moores Ave (AM and PM peak hours)

Appendix D contains the intersection LOS calculation worksheets.

EXISTING (2023) PLUS PROJECT CONDITIONS ANALYSIS

LANE GEOMETRY AND CONTROL

Existing (2023) Plus Project conditions assumed existing lane geometry as illustrated in **Figure 3**.

TRAFFIC VOLUMES

The Project is estimated to generate 3,339 daily Passenger Car Equivalent (PCE) trips, a total of 303 AM peak hour PCE trips (248 inbound and 55 outbound), and 376 PM peak hour PCE trips (151 inbound and 225 outbound). Existing (2023) Plus Project volumes were determined by adding the total net project traffic, **Figure 9** to the Existing (2023) conditions volume, **Figure 4**. Existing Plus Project peak hour volumes are shown in **Figure 10**.

INTERSECTION LEVEL OF SERVICE

Table 5 displays the intersection LOS analysis results under Existing (2023) Plus Project Conditions. Traffic operations were evaluated at the study intersections under existing conditions plus traffic generated by the project. Unsignalized intersections that operate unacceptably are not considered a project deficiency if the intersection is operating unacceptably without the project and the increase in delay is less than four (4) seconds, or the intersection does not meet the signal warrants. The following intersections operate unacceptably and add more than four (4) seconds of delay, but each are not considered a project deficiency because the intersections do not meet signal warrants:

- #6 – Cherry St/Robertson Ave (AM and PM peak hours)
- #7 – Cherry St/Moores Ave (AM and PM peak hours)

Intersection #5 Analysis

No modifications were made in Synchro between the without and with project scenarios. In the Existing (2023) Conditions, the northbound left-turn movement operates at LOS D with 47.8 seconds of delay and the overall intersection operates at LOS D with 38.1 seconds of delay in the AM peak hour. In the Existing (2023) Plus Project Conditions, the northbound left-turn movement worsens to LOS E with 67.5 seconds of

delay and the overall intersection worsens to LOS D with 49.2 seconds of delay in the AM peak hour. The addition of the project traffic to the northbound left-turn movement in the AM peak hour does worsen the northbound left-turn movement by almost 20 seconds. Although the northbound left-turn volume is high, this movement gets 45.5 seconds of split time, as compared to the opposing southbound through movement getting a maximum of 35.5 seconds of split time. These splits are based on the existing signal timing provided by the City and are achievable due to the relatively low southbound through volume and the two southbound through lanes.

Appendix D contains the intersection LOS calculation worksheets.

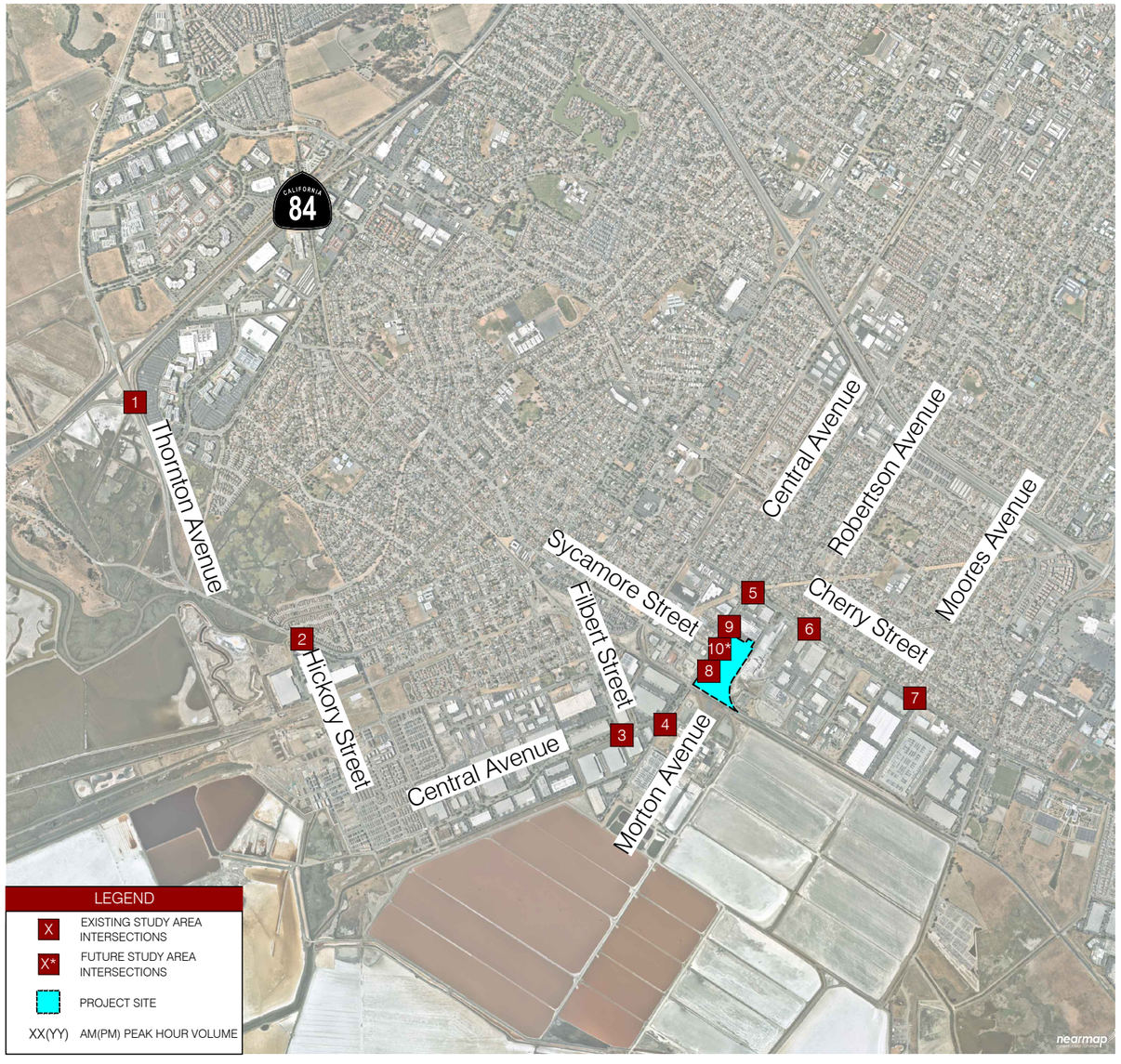
Table 5: Existing and Existing Plus Project Level of Service Summary

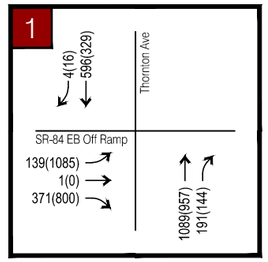
#	Intersection	LOS Criteria	Jurisdiction	Control[1]	Existing				Existing Plus Project					
					AM Peak		PM Peak		AM Peak			PM Peak		
					LOS	Delay[2] (sec)	LOS	Delay[2] (sec)	LOS	Delay[2] (sec)	Delay Var (sec)	LOS	Delay[2] (sec)	Delay Var (sec)
1	Thornton Ave/SR - 84 EB Ramp	D	Caltrans	Signal	B	13.3	C	23.9	B	14.6	1.3	C	27.1	3.2
2	Thornton Ave/Hickory St	D	City	SSSC	A	0.2	A	0.4	A	0.2	0.0	A	0.4	0.0
	Worst Approach				B	14.8	D	27.3	C	15.6	0.8	D	29.2	1.9
3	Central Ave/Filbert St	D	City	Signal	B	10.5	B	11.3	B	10.4	-0.1	B	11.4	0.1
4	Central Ave/Morton Ave	D	City	SSSC	A	1.8	A	2.7	A	1.8	0.0	A	2.6	-0.1
	Worst Approach				B	11.5	B	14.6	B	11.8	0.3	C	15.0	0.4
5	Cherry St/Central Ave	D	City	Signal	D	38.1	D	36.4	D	49.2	11.1	D	52.3	15.9
6	Cherry St/Robertson Ave	D	City	SSSC	A	1.8	A	4.6	A	2.0	0.2	A	5.7	1.1
	Worst Approach				**F**	**94.3**	**F**	**>120**	**F**	**111.9**	**17.6**	**F**	**>120**	**-**
7	Cherry St/Moores Ave	D	City	SSSC	A	1.4	A	0.9	A	1.5	0.1	A	1.0	0.1
	Worst Approach				**F**	**74.9**	**E**	**35.1**	**F**	**95.6**	**20.7**	**E**	**42.5**	**7.4**
8	Central Ave/Sycamore St	D	City	Signal	B	12.1	B	10.6	B	12.0	-0.1	B	10.6	0.0
9	Central Ave/East Project Driveway	D	City	SSSC	A	0.1	A	0.1	A	0.1	0.0	A	0.1	0.0
	Worst Approach				B	13.4	B	12.5	B	13.0	-0.4	C	17.4	4.9
10	Central Ave/West Project Driveway	D	City	SSSC	Future Intersection				A	1.8	1.8	A	4.6	4.6
	Worst Approach				Future Intersection				C	16.9	16.9	D	34.2	34.2

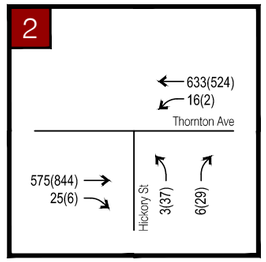
Note: Intersections that are operating below acceptable levels are shown in **BOLD**. Project caused deficiencies are shaded.

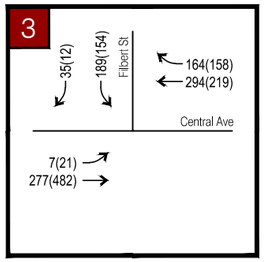
1 SSSC = Side Street Stop Control

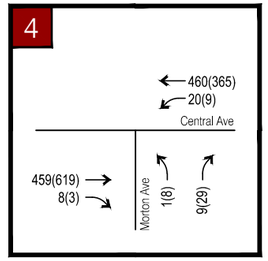
2 The average control delay is reported for signalized intersections. The average control delay and the delay for the worst movement is reported for SSSC intersections.

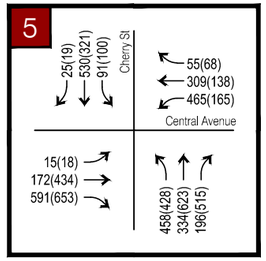


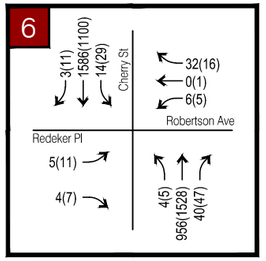


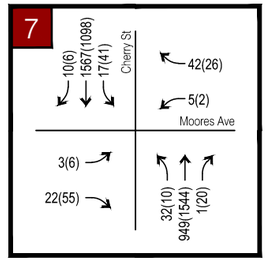


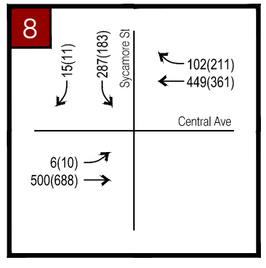


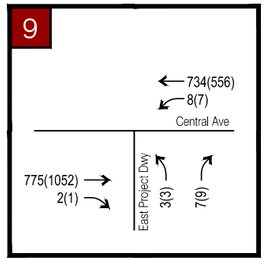












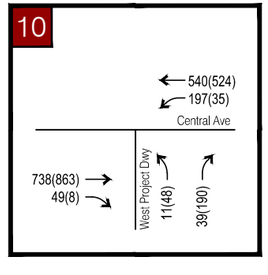


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FIGURE 10
EXISTING PLUS PROJECT PEAK HOUR TURNING MOVEMENT VOLUMES

VEHICLE QUEUING

Vehicle queuing that exceeds a turn pocket length can create potentially hazardous conditions by blocking or disrupting through traffic in adjacent travel lanes. The effect of vehicle queuing was analyzed by reporting the 95th percentile queues for turning movements where the project would add trips to existing or proposed turn pockets. The 95th percentile is defined as the queue length that has only a 5 percent probability of being exceeded during the analysis time period. The following movements were evaluated:

- Intersection #5 – Cherry Street/Central Avenue (northbound left)

The 95th percentile queue lengths are summarized in **Table 6**. The project increases the queue by more than one vehicle length (i.e. 25 feet or more) for the following movement:

- Intersection #5 – Cherry Street/Central Avenue (northbound left)

For intersection #5, the addition of the project will cause the deficient northbound left turn queue at Cherry Street and Central Avenue to increase by 203 feet in the Existing Plus Project scenario in the AM peak hour and by 115 feet in the PM peak hour.

Queuing analysis calculation sheets are provided in **Appendix D**.

Table 6: Vehicle Queuing Analysis

#	Intersection	Control	Movement	Storage Length (ft)	Existing		Existing Plus Project			
					AM Peak	PM Peak	AM Peak		PM Peak	
					95th Percentile Queue		95th Percentile Queue	Variance	95th Percentile Queue	Variance
5	Cherry Street/ Central Avenue	Signal	NBL	210	**652**	**614**	**855**	**203**	**729**	**115**

Note: NBL=northbound left. Queue lengths greater than queue storage are **bolded** and queuing deficiencies are highlighted.

RECOMMENDED IMPROVEMENTS

Since the addition of the project traffic increases the northbound left-turn queue at Cherry Street and Central Avenue by greater than 25 feet and the queue under no project conditions exceeds the available storage length, this is considered a queuing deficiency under Existing Plus Project in the AM and PM peak hours.

To address the queuing deficiency in the AM and PM peak hours, it is recommended that a twice per cycle left-turn phase be provided for the northbound left-turn lane. The signal timing splits should be adjusted accordingly and with the recommended improvement, the project would add less than 25 feet of queue to the movement in comparison to Existing Conditions. A summary of the recommended improvement and 95th percentile queuing is shown in **Table 7**.

Table 7: Vehicle Queuing Analysis – Recommended Improvement

#	Intersection	Control	Movement	Storage Length (ft)	Existing		Existing Plus Project (with Improvement)			
					AM Peak	PM Peak	AM Peak		PM Peak	
					95th Percentile Queue		95th Percentile Queue	Variance	95th Percentile Queue	Variance
5	Cherry Street/ Central Avenue	Signal	NBL	210	**652**	**614**	**573**	**-79**	**629**	**15**

Note: NBL=northbound left. Queue lengths greater than queue storage are **bolded**.

6. SITE ACCESS

This section discusses site access, site circulation, pedestrian facilities, bicycle facilities, transit recommendations, and sight distance analysis for the project.

The project proposes two unsignalized driveways on Central Avenue to the east of Sycamore Street (East Project Driveway and West Project Driveway). It was assumed that all trucks were assigned to the East Project Driveway and all passenger cars were assigned to the West Project Driveway. The following summarizes the project access locations:

- Central Ave & West Project Driveway
  - Passenger car access only
  - Stop-controlled northbound movement for project driveway
- Central Ave & East Project Driveway
  - Truck access only
  - Stop-controlled northbound movement for project driveway

Appendix D contains the queuing worksheets for the Project's driveways. These AM/PM peak hour worksheets are the results of the Existing Plus Project Conditions and show that the proposed west project driveway throat depth is not a sufficient length to accommodate the project queues during the site's peak hours.

For the east project driveway, the throat depth was measured as approximately 25 feet, which is the distance from the adjacent roadway to the first parking space on the east side of the project site. As shown, the estimated outbound vehicle queue is less than 25 feet in the AM and PM peak hours, or less than one vehicle, which does not exceed the throat depth of 25 feet. The westbound inbound queue along Central Avenue for the east driveway is less than 25 feet, or less than one vehicle in the AM and PM peak hours. The project's trip generation estimates only five inbound trucks in the AM peak hour and four inbound trucks in the PM peak hour, which equals an average of one inbound truck every 12 minutes within the peak hour. With trucks entering the site this infrequently, it is not expected that the trucks will block the through traffic. In the unexpected scenario in which there are regular traffic surges, the landlord will coordinate with the tenant to schedule truck deliveries to mitigate regular surge events. Therefore, there are no anticipated conflicts or excessive queuing along Central Avenue.

For the west project driveway, the throat depth was measured as approximately 25 feet, which is the distance from the adjacent roadway to the first drive aisle. As shown, the estimated outbound vehicle queue is 120 feet, or 4.8 vehicles in the Existing Plus Project PM peak hour, which exceeds the throat depth of 25 feet. The inbound queue along Central Avenue for the east driveway is 32.5 feet, or 1.3 vehicles in the Existing Plus Project AM peak hour. This queue can be accommodated within the two-way left-turn lane. The distance between the east and west project driveways is 145 feet; therefore, this 32.5-foot queue should not affect the operations of the east project driveway nor the driveway along the north side of Central Avenue across from the site. Therefore, there are no anticipated conflicts or excessive queuing along Central Avenue. However, the outbound queue at the west project driveway may cause the drive aisle to be blocked. It is recommended that Do Not Block Intersection markings be placed along the west project driveway at the internal drive aisle to allow inbound vehicles to use the drive aisle and prevent the inbound queue from extending onto Central Avenue.

SITE CIRCULATION

Internal circulation paths for each vehicle type are described below. Passenger vehicles will enter and exit using the west project driveway and trucks will enter and exit using the east project driveway. It is planned for passenger vehicles to utilize the parking spaces along the west, north, and east sides of the site. Passenger vehicles can park in these parking spaces and walk to the building's front entrance along the northern, western, and eastern sides of the proposed building. For trucks, it is planned for these vehicles to use the trailer storage on the southern edge of the project site and the loading docks on the south side of the project building. Access to these parking spaces and loading docks would be through the east project driveway.

PEDESTRIAN FACILITIES

There are currently paved sidewalks along the southern side of Central Avenue, to the east of the project site. This existing sidewalk provides access for the employees and visitors of the project to access nearby residential and park uses along Central Avenue. To the north of the project site, there are sidewalks on Sycamore Avenue between Central Avenue to Thornton Avenue to access commercial, retail, and food establishments. To the west of the project site on Central Avenue, there are currently no pedestrian facilities between Sycamore Street and the railroad tracks. However, with the future roadway project, there will be sidewalks on both sides of Central Avenue to the west of the project site. There are currently no sidewalks along the north edge of the project site, but the project proposes sidewalks at this location.

Within the project site, there are sidewalks along the building and crosswalks in the parking lot from the office space that provides pedestrians access to Central Avenue. On-site sidewalks are proposed along the northern building frontage, western building frontage, and eastern building frontage for pedestrian access. There are no proposed walkways along the south side of the project building where the truck loading dock bays are proposed. Since it is not anticipated that many pedestrians would need access on this side of the site, no pedestrian improvements are needed.

With the proposed sidewalk along the Central Avenue frontage of the project site, there are sufficient pedestrian facilities adjacent to the project and to nearby complimentary uses. No additional off-site pedestrian facilities besides the sidewalk along Central Avenue are recommended to be constructed by the project.

BICYCLE FACILITIES

There are many existing bicycle facilities within the study area that provide access to the project site. A shared Class III bicycle route in which bicyclists share the roadway with motorists exists in each direction along Central Avenue adjacent to the project. A Class II bicycle lane also exists on Sycamore Street from Cedar Boulevard to Central Avenue.

Within the project site, bicyclists can share the drive aisles with motorists. There are 14 long-term bicycle lockers and 20 short-term bicycle parking stalls located west of the office space along the front of the building. Since there are sufficient bicycle facilities adjacent to the project along Central Avenue and to nearby complimentary uses, no off-site bicycle facilities are recommended to be constructed by the project. The project provides sufficient long-term bicycle lockers and short-term bicycle parking stalls to meet the minimum spaces required by the City.

TRANSIT

The Project area is currently served by AC Transit. The project site is located adjacent to the nearest transit stop along Central Avenue and Sycamore Street. This bus stop serves Route 200. The other nearest bus stop for the project is located at the intersection of Central Avenue and Cherry Street, which is approximately 600 feet to the east of the project site.

Since there are sufficient transit facilities adjacent to the project along Central Avenue and to nearby complimentary uses, no additional transit facilities are recommended to be constructed by the project.

SIGHT DISTANCE

A sight distance analysis for the east project driveway was conducted to determine if vehicles and trucks exiting the stop-controlled driveway would have adequate sight distance to observe conflicting traffic along the major roadway adjacent to the project site. Intersection sight distance for the project driveway was evaluated following methodology from the American Association of State Highway and Transportation Officials (AASHTO), *A Policy on Geometric Design of Highway and Street, 7th Edition*[3]. Sight distance for each project driveway was determined based on the proposed project site plan and the following AASHTO intersection sight distance criteria formula:

$$\text{Intersection Sight Distance} = 1.47 \times V_{major} \times t_g$$

Where V_{major} is the design speed of the major road and t_g is the time gap for the vehicle to exit the project driveway and enter the major road. No spot speed study was conducted; posted speed limits and design speeds were used to determine sight distance.

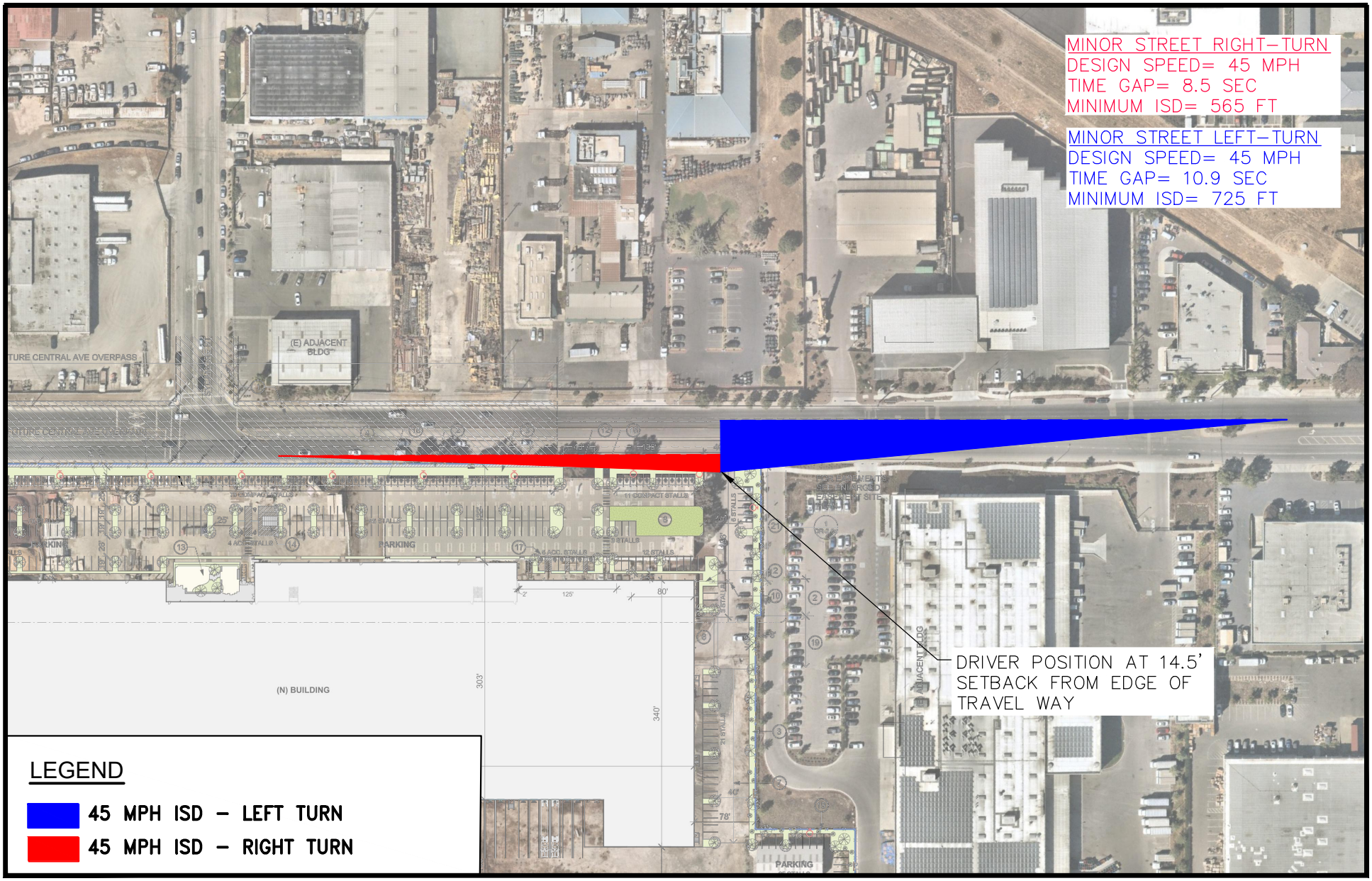
Intersection #9 – Central Avenue/East Project Driveway

The east project driveway provides truck access from the site. Using the time gap for trucks, the time gap is 8.5 seconds for a vehicle to make a right-turn movement onto Central Avenue and 10.9 seconds to make a left turn movement. With a 45 mph design speed along Central Avenue, the sight distance criteria for trucks making a right-turn is 565 feet and the sight distance criteria for trucks making a left-turn is 725 feet. As shown in the **Figure 11**, the sight triangles at the east project driveway should be clear of obstructions for a truck exiting the driveway to observe oncoming eastbound and westbound vehicles along Central Avenue.

Intersection #10 – Central Avenue/West Project Driveway

The west project driveway provides passenger car access from the site. Using the time gap for passenger cars, the time gap is 6.5 seconds for a vehicle to make a right-turn movement onto Central Avenue and 8.5 seconds to make a left turn movement. With a 45 mph design speed along Central Avenue, the sight distance criteria for passenger cars making a right-turn is 430 feet and the sight distance criteria for passenger cars making a left-turn is 565 feet. As shown in the **Figure 12**, the sight triangles at the west project driveway should be clear of obstructions for a passenger car exiting the driveway to observe oncoming eastbound and westbound vehicles along Central Avenue.

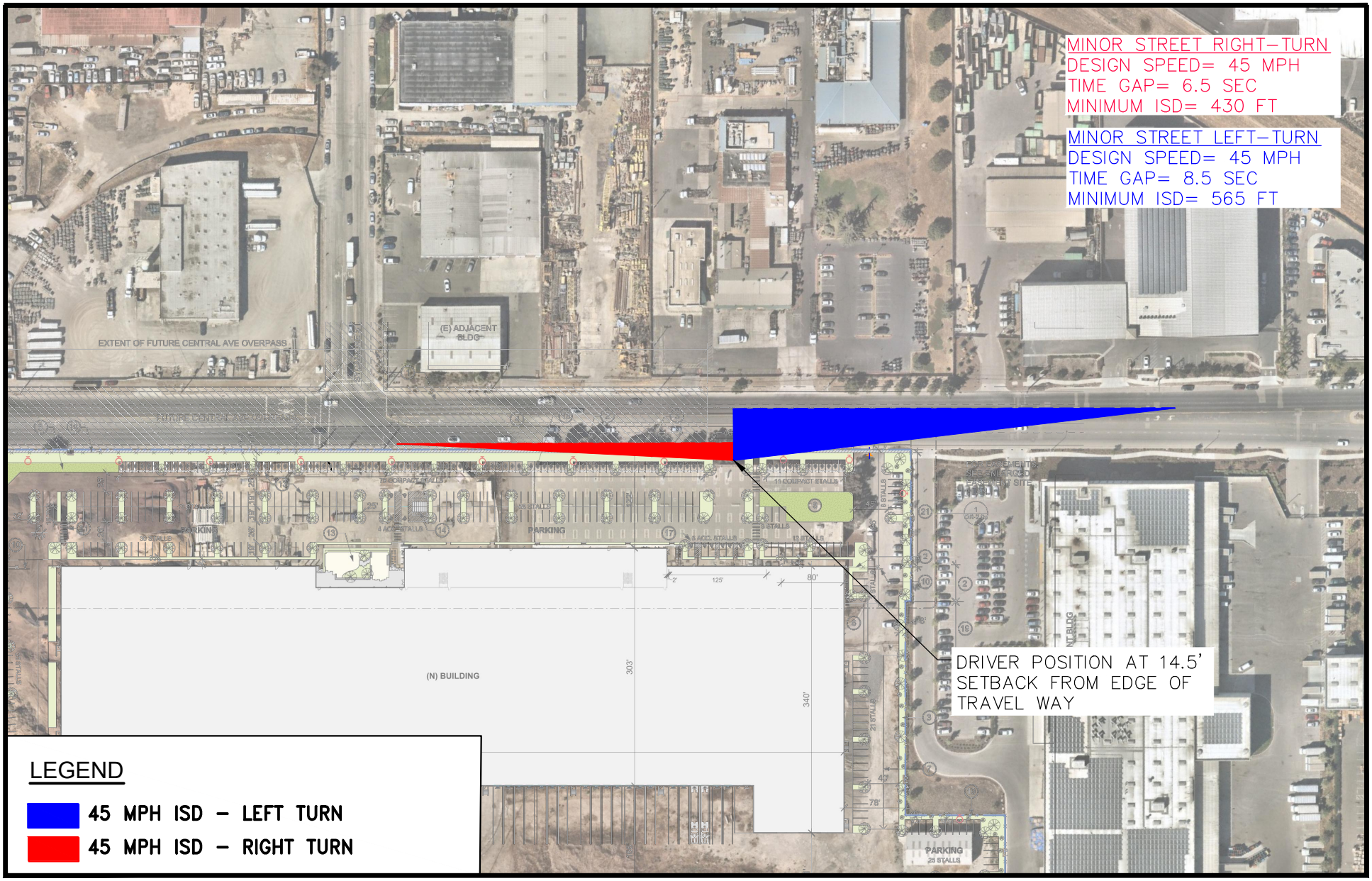
[3] *A Policy on Geometric Design of Highway and Street, 7th Edition,* American Association of State Highway and Transportation Officials (AASHTO), 2018.



Kimley»Horn

NOT TO SCALE

FIGURE 11
EAST PROJECT DRIVEWAY SIGHT DISTANCE



Kimley»Horn

NOT TO SCALE

FIGURE 12
WEST PROJECT DRIVEWAY SIGHT DISTANCE

7. PARKING

This chapter summarizes the Project's parking requirements.

NEWARK PARKING REQUIREMENTS

Parking requirements for land uses within the City of Newark are provided in Chapter 17.23 of the Newark Municipal Code. This section includes parking requirements for vehicles, on-site loading, and bicycles.

VEHICLE PARKING REQUIRED

Required parking for vehicles is based on land use. For miscellaneous industrial uses and office uses, parking shall be provided at the following rates:

- Industrial: 1 per 1,000 square feet of floor area plus 1 for each 5,000 square feet of outdoor use area
- Office: 1 per 300 square feet of floor area

Assuming the project would include 33,806 square feet of office and 281,584 square feet of industrial use, a minimum of 395 vehicle parking spaces would be required.

The site plan provided by the project applicant includes a breakdown of vehicle parking provided:

- Vehicle parking spaces = 396 parking spaces (includes 291 standard spaces, 10 accessible spaces, and 95 compact spaces)

The project provides one vehicle parking space more than required by the City.

ON-SITE LOADING REQUIRED

Loading spaces shall be provided at the following rates:

- Research and Development: 5 plus 1 per each additional 75,000 square feet over 75,000 square feet

Assuming the project area is 315,390 square feet, a minimum of 9 loading spaces would be required.

The site plan provided by the project applicant includes a breakdown of loading spaces provided:

- Loading spaces = 46 dock doors, 2 drive-in doors

The project provides excess loading spaces than required by the City.

BICYCLE PARKING REQUIRED

Required parking for bicycles is based on the City of Newark Municipal Code. The proposed office portion of the project is classified as a commercial use and therefore the City's code requires short-term bicycle parking spaces to be provided at five percent of the required automobile parking space or a minimum of four short-term bicycle parking spaces. Long-term bicycle parking shall be provided at a minimum ratio of

one space per thirty vehicle spaces. This results in 20 required short-term and 14 required long-term bicycle parking spaces. Each bicycle parking space shall be no less than six (6) feet long by two (2) feet wide and shall have a parking rack capable of supporting bicycles of various sizes in a vertical position.

The project is proposing 20 short-term bicycle rack parking spaces and 14 long-term bicycle lockers on-site. Therefore, the project provides adequate bicycle parking as required by the City.

8. CONCLUSIONS AND RECOMMENDATIONS SUMMARY

This section summarizes the results and recommendations of this TIS and subsequent project frontage and access recommendations.

PROJECT RECOMMENDATIONS

OFF-SITE ROADWAY IMPROVEMENTS

The project does not propose any off-site roadway improvements associated with the project design.

PEDESTRIAN FACILITIES

Sidewalks are proposed along the project frontage on Central Avenue. Therefore, no additional off-site pedestrian facilities are proposed.

BICYCLE FACILITIES

A shared Class III bicycle route in which bicyclists share the roadway with motorists exists in each direction along Central Avenue adjacent to the project. A Class II bicycle lane also exists on Sycamore Street from Cedar Boulevard to Central Avenue.

Therefore, no off-site bicycle facilities are proposed. The project is proposing to include 14 long-term bicycle parking spaces and 20 short-term bicycle parking spaces on-site. The project provides adequate short-term and long-term bicycle parking to meet the minimum spaces required by the City.

PARKING REQUIREMENTS

The project is proposing to provide 396 vehicle parking spaces, which exceeds the parking required by the City of 395 parking spaces by one vehicle space. The project is proposing to provide 48 loading spaces, which exceeds the loading spaces required by the City of nine parking spaces.

The project provides excess parking and loading spaces than required by the City.

PROJECT DRIVEWAYS

The development of the proposed Project will require the construction of the following driveways:

- Central Ave & West Project Driveway
    - Passenger car access only
    - Stop-controlled northbound movement for project driveway
    - It is recommended that Do Not Block Intersection markings be placed along the west project driveway at the internal drive aisle to allow inbound vehicles to use the drive aisle and prevent the inbound queue from extending onto Central Avenue.
    - It is recommended that the intersection sight triangles should be clear of any obstructions greater than 3.5 feet in height to allowed vehicles exiting the driveway to observe oncoming traffic.
- Central Ave & East Project Driveway
    - Truck access only
    - Stop-controlled northbound movement for project driveway

- It is recommended that the intersection sight triangles should be clear of any obstructions greater than 3.5 feet in height to allowed vehicles exiting the driveway to observe oncoming traffic.

PROJECT IMPACTS AND MITIGATIONS

As discussed previously in the Section 4, the project VMT/employee (14.02) is expected to be lower than the threshold of significance for VMT/employee (14.6) and as a result the project is determined to have a less than significant transportation impact.

PROJECT DEFICIENCIES

LOS DEFICIENCIES

Project deficiencies were considered if:

- The addition of project traffic causes a signalized intersection to:
  - Operate at LOS E or F overall, or
  - Adds four (4) seconds of delay to an intersection already operating at LOS E or F under the comparable No Project scenario
- The addition of project traffic causes an unsignalized intersection to:
  - Operate at LOS E or F overall, or
  - Adds four (4) seconds of delay to an intersection already operating at LOS E or F under the comparable No Project scenario and California MUTCD Signal Warrant 3A or 3B is met for the impacted peak hour

Based on the results of the traffic analysis, no intersection project deficiencies were identified.

QUEUING DEFICIENCIES

In cases when the addition of project trips causes a queue to exceed the turn pocket length or increase by one or more vehicles for vehicle queues that already exceed the turn pocket length, an intersection project queuing deficiency was identified. Based on the results of the traffic analysis, the project creates a queuing deficiency at the northbound left-turn lane of intersection #5 (Cherry Street and Central Avenue) in the Existing Plus Project Conditions under the AM and PM peak hours. To address the queuing deficiency in the AM and PM peak hours, it is recommended that a twice per cycle left-turn be provided for the northbound left-turn lane. In addition, the signal timing splits should be adjusted and the cycle length should be modified to 150 seconds. With the recommended improvement, the project would add less than 25 feet of queue to the movement in comparison to Existing Conditions.

APPENDIX

A – EXISTING TRAFFIC VOLUME DATA SHEETS

B – ITE TRIP GENERATION COMPARISON

C – VMT PER EMPLOYEE SOUTH PLANNING AREA MAP

D – LEVEL OF SERVICE AND VEHICLE QUEUING CALCULATION SHEETS

A – Existing Traffic Volume Data Sheets

Prepared by National Data & Surveying Services

Thornton Ave & SR-84 EB Ramps

Peak Hour Turning Movement Count

ID: 23-080153-001
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS

AM	08:00 AM - 09:00 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

CONTROL: Signalized

TEV	2390	0	3145
	AM	NOON	PM
PHF	0.99		0.96

SOUTHBOUND (Thornton Ave)

	Left	Thru	Right	U-Turn	Total	
AM	18	852	0	0	962	AM
NOON	0	0	0	0	0	NOON
PM	32	386	0	0	1713	PM

EASTBOUND (SR-84 EB Ramps)

	AM	NOON	PM
Left	18	0	32
U-Turn	0	0	0
Thru	200	0	973
Right	0	0	0
Left	375	0	765

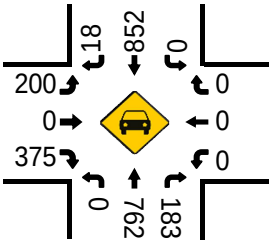
WESTBOUND (SR-84 EB Ramps)

	PM	NOON	AM
Left	0	0	0
Thru	0	0	0
Right	0	0	0
U-Turn	0	0	0
	249	0	183

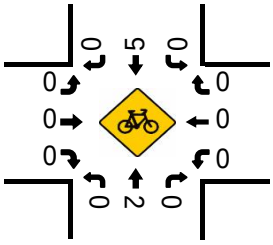
NORTHBOUND (Thornton Ave)

	Left	Thru	Right	U-Turn	Total	
PM	1151	0	0	740	249	PM
NOON	0	0	0	0	0	NOON
AM	1227	0	0	762	183	AM

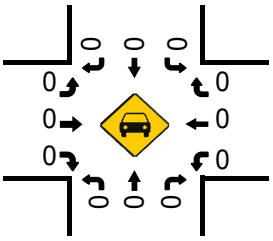
Totals (AM)



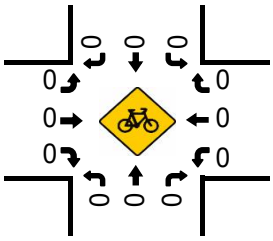
Total Bikes (AM)



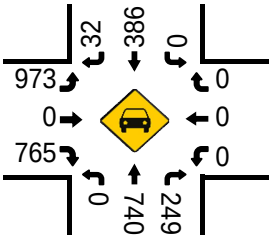
Totals (NOON)



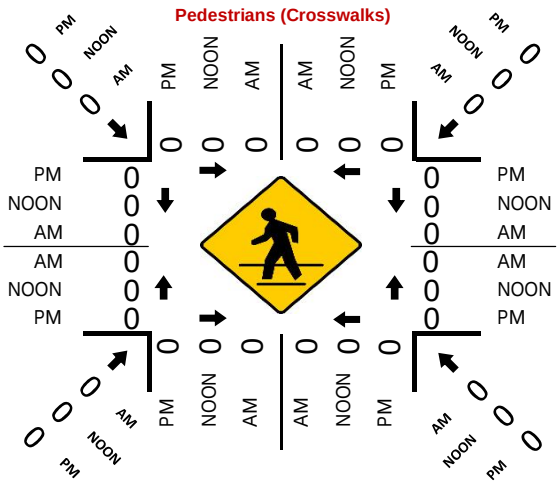
Total Bikes (NOON)



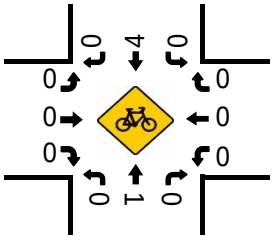
Totals (PM)



Pedestrians (Crosswalks)



Total Bikes (PM)



Prepared by National Data & Surveying Services

Thornton Ave & Hickory St

Peak Hour Turning Movement Count

ID: 23-080153-002
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS	COUNT PERIODS
08:00 AM - 09:00 AM	7:00 AM - 09:00 AM
NONE	NONE
04:45 PM - 05:45 PM	4:00 PM - 06:00 PM

SOUTHBOUND (Thornton Ave)

AM	18	479	0	0	682	AM
NOON	0	0	0	0	0	NOON
PM	7	995	0	0	470	PM
	0	2	0	0		

EASTBOUND (Hickory St)

AM	NOON	PM	
29	0	11	
1	0	0	0
4	0	12	0
0	0	0	1
7	0	10	0
AM	NOON	PM	

WESTBOUND (Hickory St)

PM	NOON	AM	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	
PM	NOON	AM	

CONTROL

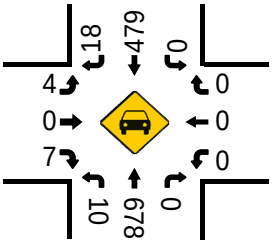
1-Way Stop(EB)

TEV	1197 AM	0 NOON	1486 PM
PHF	0.95		0.94

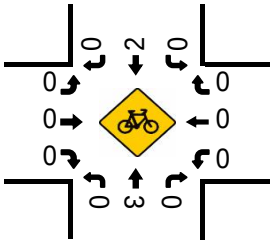
NORTHBOUND (Thornton Ave)

PM	1005	0	4	458	0	PM
NOON	0	0	0	0	0	NOON
AM	486	0	10	678	0	AM
		0	1	2	0	

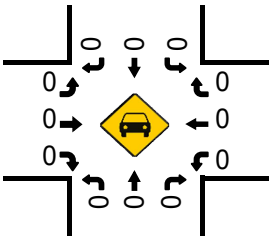
Totals (AM)



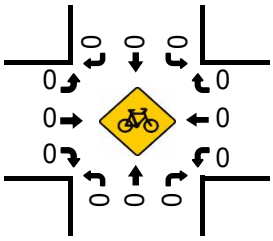
Total Bikes (AM)



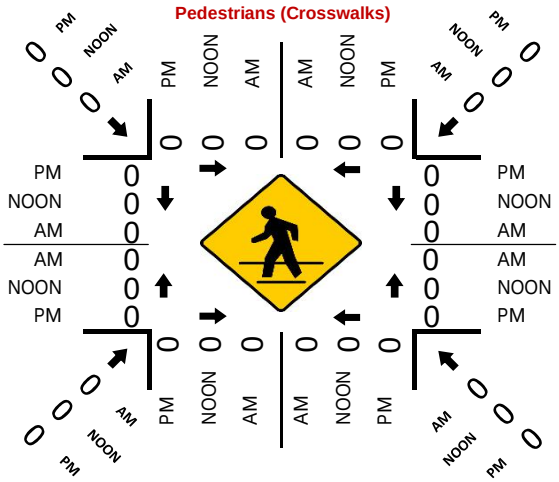
Totals (NOON)



Total Bikes (NOON)



Pedestrians (Crosswalks)


PM
NOON
AM
0
0
0
0
0
0
0
0
0
0
0

Prepared by National Data & Surveying Services

Filbert Ave & Central Ave

Peak Hour Turning Movement Count

ID: 23-080153-003
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS

AM: 07:45 AM - 08:45 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 7:00 AM - 09:00 AM
NOON: NONE
PM: 4:00 PM - 06:00 PM

SOUTHBOUND (Filbert Ave)

AM	23	0	207	0	158	AM
NOON	0	0	0	0	0	NOON
PM	8	0	209	0	138	PM
	0	1	0	0		

EASTBOUND (Central Ave)

AM	NOON	PM	
245	0	250	
0	0	0	0
5	0	8	1
319	0	360	1
0	0	0	0

WESTBOUND (Central Ave)

	PM	NOON	AM
1	130	0	153
1	242	0	222
0	0	0	0
0	0	0	0
	569	0	526

NORTHBOUND (Filbert Ave)

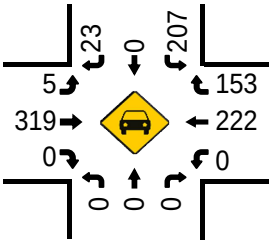
	0	0	0	0		
PM	0	0	0	0	PM	
NOON	0	0	0	0	NOON	
AM	0	0	0	0	AM	

CONTROL

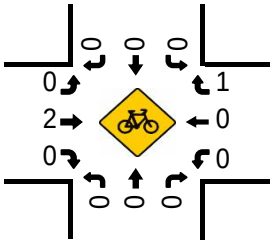
Signalized

TEV	929	0	957
	AM	NOON	PM
PHF	0.97		0.90

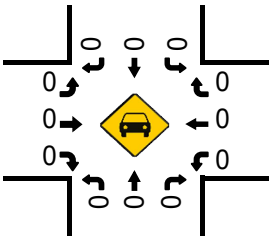
Totals (AM)



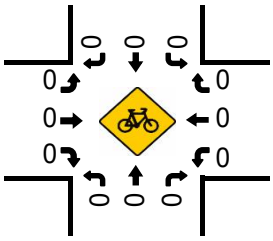
Total Bikes (AM)



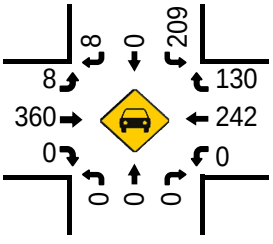
Totals (NOON)



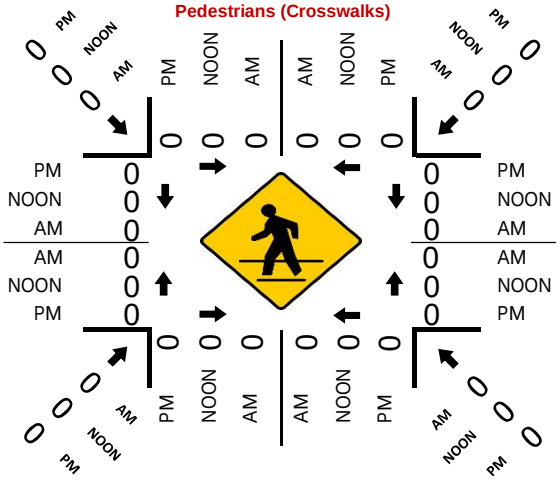
Total Bikes (NOON)



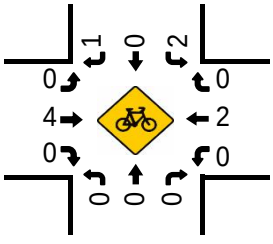
Totals (PM)



Pedestrians (Crosswalks)



Total Bikes (PM)



Prepared by National Data & Surveying Services

Morton Ave & Central Ave

Peak Hour Turning Movement Count

ID: 23-080153-004
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
04:30 PM - 05:30 PM	4:00 PM - 06:00 PM

Morton Ave

SOUTHBOUND

AM	0	0	0	0	0	AM
NOON	0	0	0	0	0	NOON
PM	0	0	0	0	0	PM

EASTBOUND

AM	NOON	PM	
381	0	369	
0	0	0	0
0	0	0	0
516	0	570	2
3	0	1	0

WESTBOUND

PM	NOON	AM	
0	0	0	0
365	0	377	2
16	0	26	1
2	0	1	0
594	0	545	

NORTHBOUND

PM	17	0	4	0	22	PM
NOON	0	0	0	0	0	NOON
AM	29	0	4	0	28	AM

Morton Ave

Central Ave

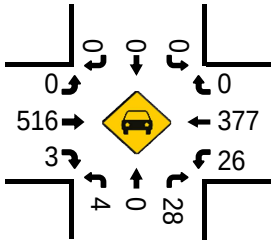
Central Ave

CONTROL

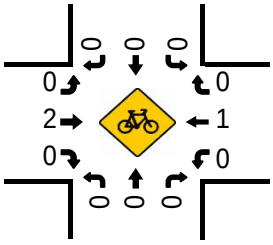
1-Way Stop(NB)

TEV	955	0	980
	AM	NOON	PM
PHF	0.98		0.92

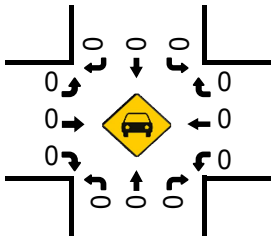
Totals (AM)



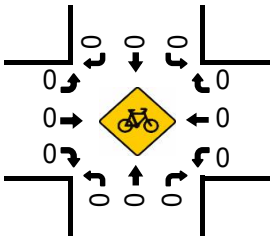
Total Bikes (AM)



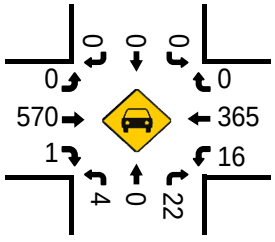
Totals (NOON)



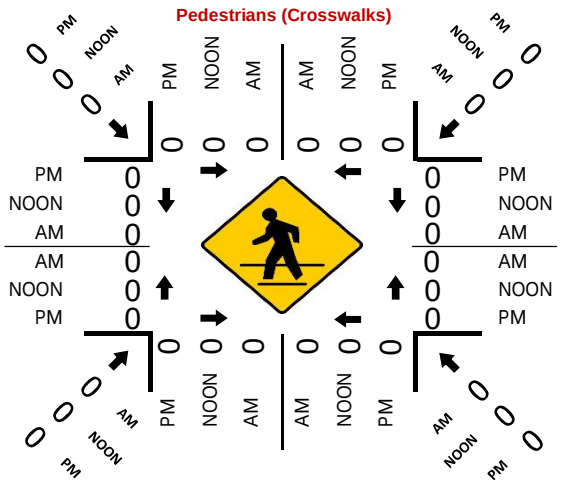
Total Bikes (NOON)



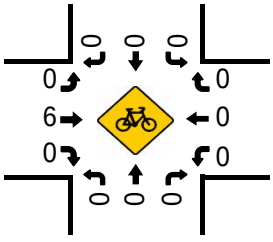
Totals (PM)



Pedestrians (Crosswalks)



Total Bikes (PM)



Prepared by National Data & Surveying Services

Robertson Ave / Redeker Pl & Cherry St

Peak Hour Turning Movement Count

ID: 23-080153-005
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS

AM	07:45 AM - 08:45 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

Robertson Ave/Redeker Pl

SOUTHBOUND

AM	35	0	10	0	56	AM
NOON	0	0	0	0	0	NOON
PM	28	3	8	0	75	PM

0 1 0 0

EASTBOUND (Cherry St)

AM	NOON	PM		
904	0	1362		
0	0	1	0	
26	0	30	1	
1457	0	1215	2	
4	0	20	0	
AM	NOON	PM		

WESTBOUND (Cherry St)

	PM	NOON	AM
0	45	0	30
2	1313	0	862
1	5	0	10
0	0	0	0
	1238	0	1480
	PM	NOON	AM

CONTROL

2-Way Stop(NB/SB)

TEV	2454 AM	0 NOON	2703 PM
PHF	0.92		0.98

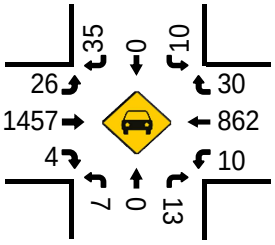
0 0 1 0

NORTHBOUND

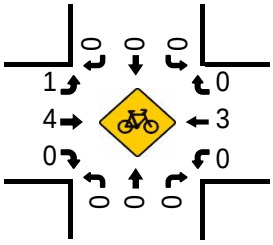
PM	28	0	20	0	15	PM
NOON	0	0	0	0	0	NOON
AM	14	0	7	0	13	AM

Robertson Ave/Redeker Pl

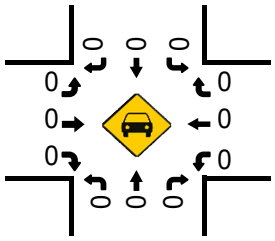
Totals (AM)



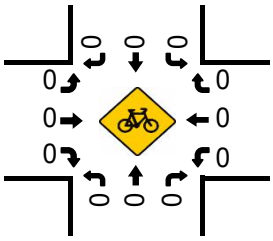
Total Bikes (AM)



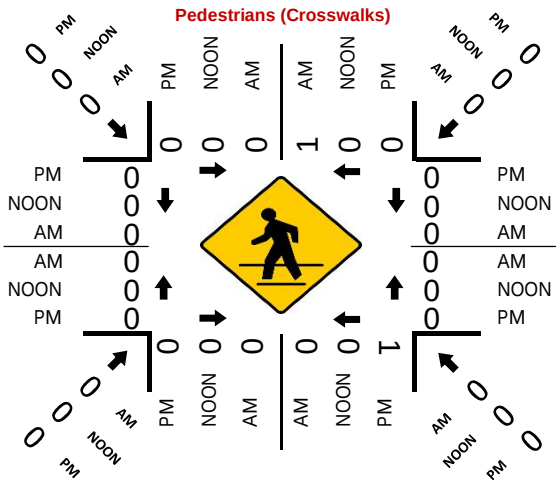
Totals (NOON)



Total Bikes (NOON)



Pedestrians (Crosswalks)


PM
NOON
AM
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Prepared by National Data & Surveying Services

Moores Ave & Cherry St

Peak Hour Turning Movement Count

ID: 23-080153-006
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS

AM	07:45 AM - 08:45 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

SOUTHBOUND (Moores Ave)

AM	48	1	7	0	82	AM
NOON	0	0	0	0	0	NOON
PM	17	1	3	0	57	PM

EASTBOUND (Cherry St)

AM	NOON	PM		
876	0	1341		
0	0	0	0	
71	0	48	1	
1411	0	1196	2	
8	0	2	0	
AM	NOON	PM		

WESTBOUND (Cherry St)

	PM	NOON	AM
0	9	0	10
2	1321	0	826
0	10	0	35
0	1	0	0
	1229	0	1431
	PM	NOON	AM

NORTHBOUND (Moores Ave)

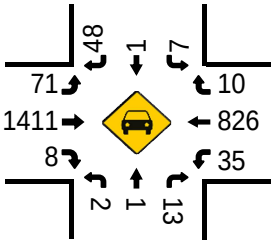
PM	13	0	3	0	29	PM
NOON	0	0	0	0	0	NOON
AM	44	0	2	1	13	AM

CONTROL

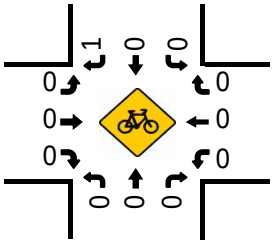
1-Way Stop(SB)

	AM	NOON	PM
TEV	2433	0	2640
PHF	0.91		0.93

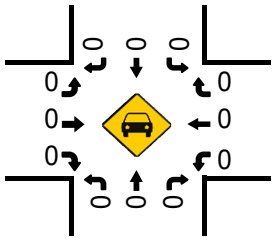
Totals (AM)



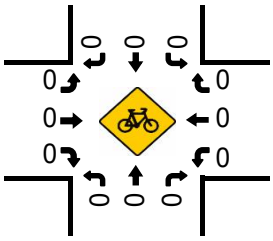
Total Bikes (AM)



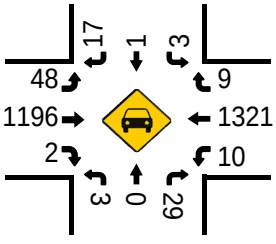
Totals (NOON)



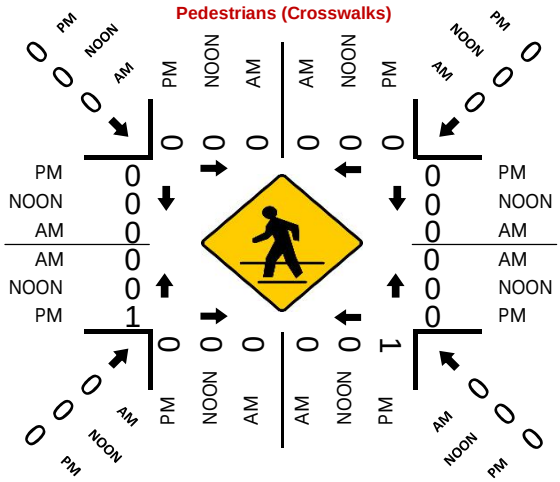
Total Bikes (NOON)



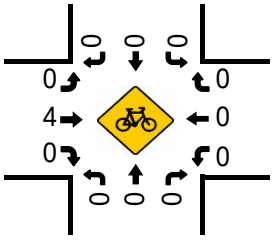
Totals (PM)



Pedestrians (Crosswalks)



Total Bikes (PM)



Prepared by National Data & Surveying Services

Central Ave & National Trench Safety North Dwy

Peak Hour Turning Movement Count

ID: 23-080153-007
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS

AM	07:45 AM - 08:45 AM
NOON	NONE
PM	05:00 PM - 06:00 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

SOUTHBOUND (Central Ave)

AM	0	536	5	0	828	AM
NOON	0	0	0	0	0	NOON
PM	0	578	0	0	844	PM

EASTBOUND (National Trench Safety North Dwy)

	AM	NOON	PM
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0

WESTBOUND (National Trench Safety North Dwy)

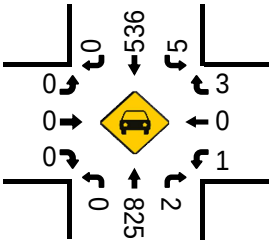
	PM	NOON	AM
	10	0	3
	0	0	0
	0	0	1
	0	0	0
	0	0	7

NORTHBOUND (Central Ave)

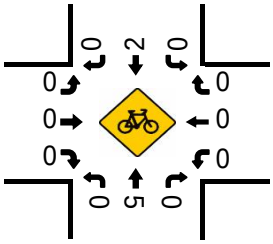
PM	578	0	0	834	0	PM
NOON	0	0	0	0	0	NOON
AM	537	0	0	825	2	AM

CONTROL			
No Control			
TEV	1372 AM	0 NOON	1422 PM
PHF	0.92		0.93

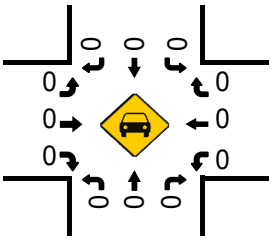
Totals (AM)



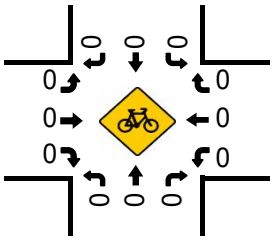
Total Bikes (AM)



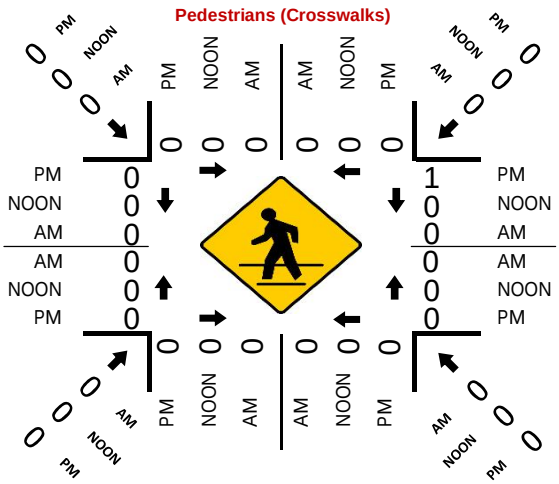
Totals (NOON)



Total Bikes (NOON)



Pedestrians (Crosswalks)


PM
NOON
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Prepared by National Data & Surveying Services

Central Ave & Sycamore St

Peak Hour Turning Movement Count

ID: 23-080153-008
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS

AM	07:45 AM - 08:45 AM
NOON	NONE
PM	04:30 PM - 05:30 PM

COUNT PERIODS

AM	7:00 AM - 09:00 AM
NOON	NONE
PM	4:00 PM - 06:00 PM

SOUTHBOUND (Central Ave)

AM	119	415	0	0	826	AM
NOON	0	0	0	0	0	NOON
PM	162	379	0	0	866	PM

EASTBOUND (Sycamore St)

AM	NOON	PM	
128	0	174	
0	0	0	0
289	0	227	1
0	0	0	0
15	0	14	1

WESTBOUND (Sycamore St)

PM	NOON	AM	
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	

NORTHBOUND (Central Ave)

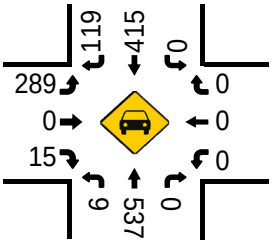
PM	393	0	12	639	0	PM
NOON	0	0	0	0	0	NOON
AM	430	0	9	537	0	AM

CONTROL

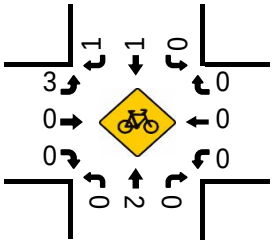
Signalized

TEV	1384 AM	0 NOON	1433 PM
PHF	0.95		0.93

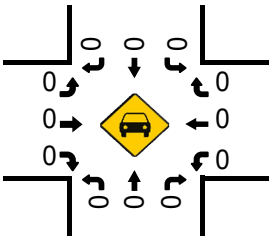
Totals (AM)



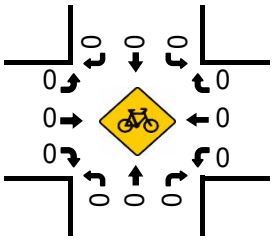
Total Bikes (AM)



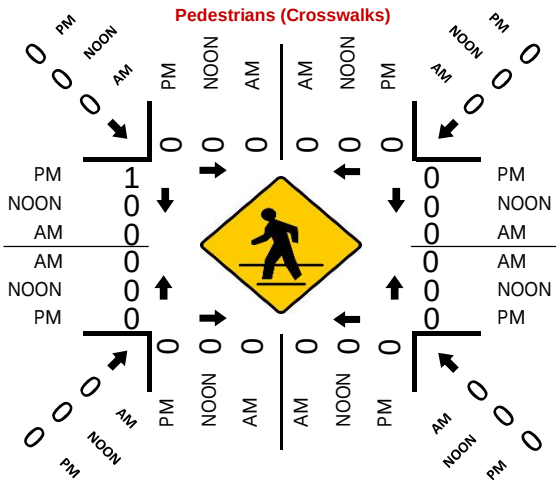
Totals (NOON)



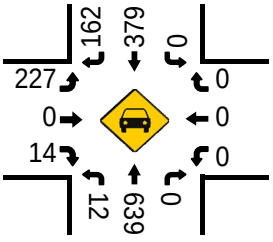
Total Bikes (NOON)



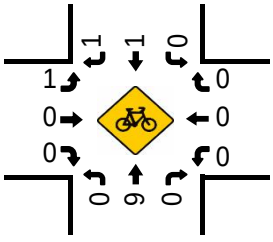
Pedestrians (Crosswalks)



Totals (PM)



Total Bikes (PM)



Prepared by National Data & Surveying Services

Central Ave & National Trench Safety South Dwy

Peak Hour Turning Movement Count

ID: 23-080153-009
City: Newark

Day: Tuesday
Date: 5/16/2023

PEAK HOURS	COUNT PERIODS
07:45 AM - 08:45 AM	7:00 AM - 09:00 AM
NONE	NONE
04:45 PM - 05:45 PM	4:00 PM - 06:00 PM

SOUTHBOUND (Central Ave)

AM	0	534	0	0	827	AM
NOON	0	0	0	0	0	NOON
PM	0	583	1	0	833	PM

EASTBOUND (National Trench Safety South Dwy)

AM	NOON	PM	
0	0	0	
0	0	0	0
0	0	0	0
0	0	0	1
0	0	0	0
AM	NOON	PM	

WESTBOUND (National Trench Safety South Dwy)

PM	NOON	AM	
0	0	0	0
0	0	0	1
0	0	0	0
0	0	0	0
1	0	0	
PM	NOON	AM	

NORTHBOUND (Central Ave)

PM	583	0	0	833	0	PM
NOON	0	0	0	0	0	NOON
AM	534	0	0	827	0	AM

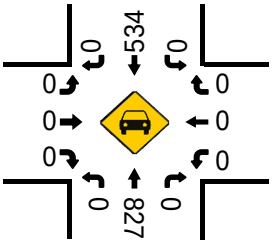
	0	2	0	0
	0	0	2	0

CONTROL

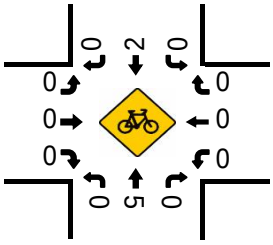
No Control

TEV	1361	0	1417
	AM	NOON	PM
PHF	0.93		0.92

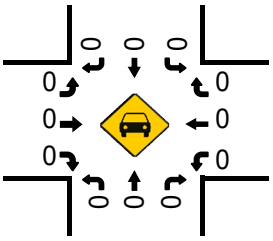
Totals (AM)



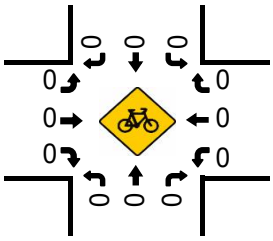
Total Bikes (AM)



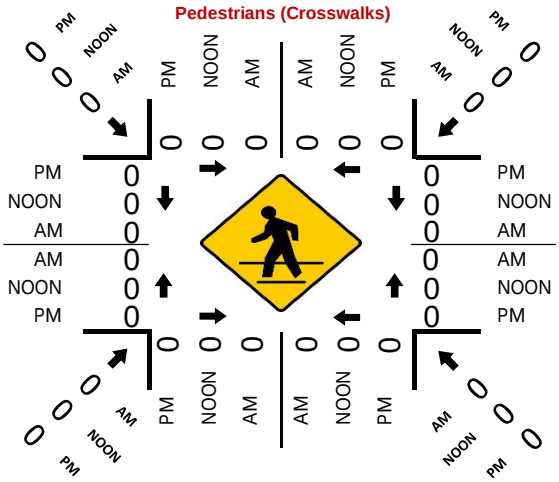
Totals (NOON)



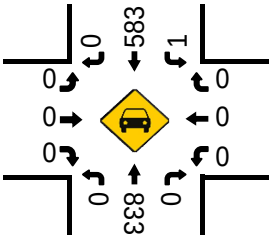
Total Bikes (NOON)



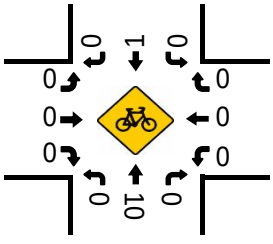
Pedestrians (Crosswalks)



Totals (PM)



Total Bikes (PM)



Prepared by National Data & Surveying Services

Central Ave & Cherry St

Peak Hour Turning Movement Count

ID: 23-080087-001
City: Newark

Day: Tuesday
Date: 4/18/2023

PEAK HOURS

AM: 07:45 AM - 08:45 AM
NOON: NONE
PM: 05:00 PM - 06:00 PM

COUNT PERIODS

AM: 7:00 AM - 09:00 AM
NOON: NONE
PM: 4:00 PM - 06:00 PM

SOUTHBOUND (Central Ave)

AM	53	210	368	0	296	AM
NOON	0	0	0	0	0	NOON
PM	56	160	158	0	361	PM

0 2 2 0

EASTBOUND (Cherry St)

AM	NOON	PM	
436	0	630	
2	0	1	0
104	0	103	1
562	0	480	2
19	0	10	1

WESTBOUND (Cherry St)

	PM	NOON	AM
1	5	0	1
2	566	0	369
1	411	0	369
0	0	0	0
	1256	0	1573

NORTHBOUND (Central Ave)

PM	581	0	7	253	618	PM
NOON	0	0	0	0	0	NOON
AM	598	0	12	191	643	AM

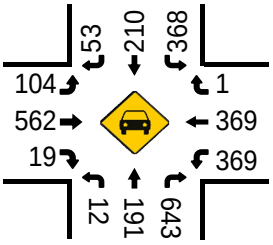
0 1 1 1

CONTROL

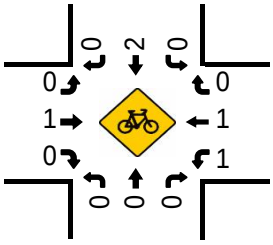
Signalized

TEV	2903	0	2828
	AM	NOON	PM
PHF	0.94		0.91

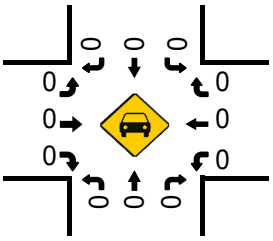
Totals (AM)



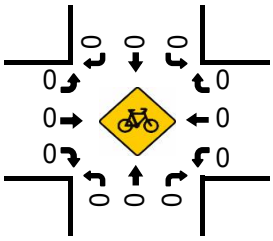
Total Bikes (AM)



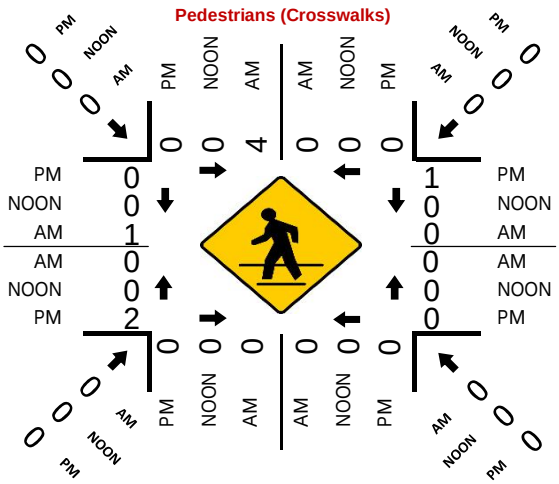
Totals (NOON)



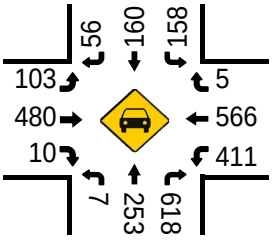
Total Bikes (NOON)



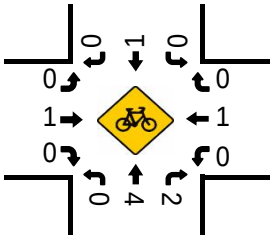
Pedestrians (Crosswalks)



Totals (PM)



Total Bikes (PM)



National Data & Surveying Services

Location: Central Ave & Cherry St
City: Newark
Control: Signalized

Project ID: 23-080087-001
Date: 4/18/2023

Data - Totals

NS/EW Streets:	Central Ave				Central Ave				Cherry St				Cherry St					
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
	1	1	1	0	2	2	0	0	1	2	1	0	1	2	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	WR2	TOTAL
7:00 AM	1	17	66	0	31	25	5	0	6	77	1	0	63	42	0	0	29	363
7:15 AM	2	30	117	0	44	36	11	0	10	124	5	0	62	55	0	0	20	516
7:30 AM	1	29	124	0	86	33	6	0	10	101	1	0	69	65	0	0	49	574
7:45 AM	2	56	172	0	88	49	13	0	28	128	7	1	95	87	0	0	86	812
8:00 AM	5	52	187	0	97	58	14	0	35	166	4	0	81	68	1	0	57	825
8:15 AM	2	39	152	0	94	49	14	0	19	139	7	1	127	136	0	0	38	817
8:30 AM	3	44	132	0	89	54	12	0	22	129	1	0	66	78	0	0	28	658
8:45 AM	1	43	124	0	101	36	7	0	26	132	2	0	74	61	1	0	28	636
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	WR2	TOTAL
TOTAL VOLUMES :	17	310	1074	0	630	340	82	0	156	996	28	2	637	592	2	0	335	5201
APPROACH %'s :	1.21%	22.13%	76.66%	0.00%	59.89%	32.32%	7.79%	0.00%	13.20%	84.26%	2.37%	0.17%	40.68%	37.80%	0.13%	0.00%	21.39%	
PEAK HR :	07:45 AM - 08:45 AM																	TOTAL
PEAK HR VOL :	12	191	643	0	368	210	53	0	104	562	19	2	369	369	1	0	209	3112
PEAK HR FACTOR :	0.600	0.853	0.860	0.000	0.948	0.905	0.946	0.000	0.743	0.846	0.679	0.500	0.726	0.678	0.250	0.000	0.608	0.943
	0.867				0.933				0.838				0.787					

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
	1	1	1	0	2	2	0	0	1	2	1	0	1	2	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	WR2	TOTAL
4:00 PM	2	76	134	0	37	34	16	0	27	89	2	1	84	120	0	1	116	739
4:15 PM	2	65	131	0	46	28	11	0	23	131	2	0	91	157	0	0	105	792
4:30 PM	4	82	174	1	63	28	17	0	22	93	0	0	73	103	0	0	75	735
4:45 PM	3	40	121	0	45	39	18	0	15	106	3	0	89	126	0	0	126	731
5:00 PM	2	67	170	0	34	44	12	0	28	101	4	1	88	142	2	0	75	770
5:15 PM	1	62	128	0	32	32	17	0	30	130	2	0	118	139	0	0	99	790
5:30 PM	3	71	181	0	38	48	11	0	28	140	2	0	113	144	1	0	97	877
5:45 PM	1	53	139	0	54	36	16	0	17	109	2	0	92	141	2	0	93	755
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	WR2	TOTAL
TOTAL VOLUMES :	18	516	1178	1	349	289	118	0	190	899	17	2	748	1072	5	1	786	6189
APPROACH %'s :	1.05%	30.12%	68.77%	0.06%	46.16%	38.23%	15.61%	0.00%	17.15%	81.14%	1.53%	0.18%	28.64%	41.04%	0.19%	0.04%	30.09%	
PEAK HR :	05:00 PM - 06:00 PM																	TOTAL
PEAK HR VOL :	7	253	618	0	158	160	56	0	103	480	10	1	411	566	5	0	364	3192
PEAK HR FACTOR :	0.583	0.891	0.854	0.000	0.731	0.833	0.824	0.000	0.858	0.857	0.625	0.250	0.871	0.983	0.625	0.000	0.919	0.910
	0.861				0.882				0.874				0.945					

B – ITE Trip Generation Comparison

Land Use	ITE Land Use Code	Vehicle Type	Daily	AM			PM		
				In	Out	Total	In	Out	Total
Manufacturing	140	PC[1]	1249	148	45	193	76	172	248
		Truck (ITE[2])	142	5	4	9	4	5	9
		Truck (PCE[3])	284	10	8	18	8	10	18
		Total	**1533**	**158**	**53**	**211**	**84**	**182**	**266**
Warehousing	150	PC[1]	348	44	11	55	13	42	55
		Truck (ITE[2])	189	3	3	6	5	4	9
		Truck (PCE[3])	378	6	6	12	10	8	18
		Total	**726**	**50**	**17**	**67**	**23**	**50**	**73**
Research & Development	760	PC[1]	3307	250	55	305	46	244	290
		Truck (ITE[2])	-	-	-	-	-	-	-
		Truck (PCE[3])	-	-	-	-	-	-	-
		Total	**3307**	**250**	**55**	**305**	**46**	**244**	**290**
High Cube Sort	155	PC[1]	1971	219	49	268	145	227	372
		Truck (ITE[2])	60	3	3	6	3	3	6
		Truck (PCE[3])	120	6	6	12	6	6	12
		Total	**2091**	**225**	**55**	**280**	**151**	**233**	**384**

Highest Trip Generation							
Vehicle Type	Daily[1]	AM (R&D LU 760)[2]			PM (High Cube Sort LU 155)[2]		
		In	Out	Total	In	Out	Total
Total Veh	3,307	250	55	305	148	230	378
PC	3,165	245	51	296	144	225	369
Truck (ITE)	142	5	4	9	4	5	9
Truck (PCE[3])	284	10	8	18	8	10	18
Net Total	**3,339**	**248**	**55**	**303**	**151**	**225**	**376**

Source: Kimley-Horn (2023)

[1]Daily counts not provided. Daily trips were calculated based on the assumption that PM peak hour trips account for 10 percent of the daily trips.

[2]Fitted curve equation for ITE LU 760 (Research and Development) used to develop daily and AM peak hour passenger car trips. Average rate for ITE LU 155 (High Cube-Sort) used to develop PM peak hour passenger car trips. Average rate for ITE LU 140 (Manufacturing) used to develop all truck trips.

[3]PCE = Passenger Car Equivalent

C – VMT Per Employee South Planning Area Map

Vehicle Miles Traveled per Employee
South Planning Area

South Planning Area Average (Target -15%): 17.2 (14.6)
Alameda County Average (Target -15%): 15.9 (13.5)

Data Source: Alameda Countywide Travel Model, Plan Bay Area 2040 version, May 2019

Vehicle miles traveled (VMT) = home-based trips (home-based work, school, shopping/errands, social/recreation) at transportation analysis zone (TAZ) containing residence site

VMT also includes estimates of non-home trips generated by residents at the non-residential end of the home-based trip (e.g. lunch trips from workplace)

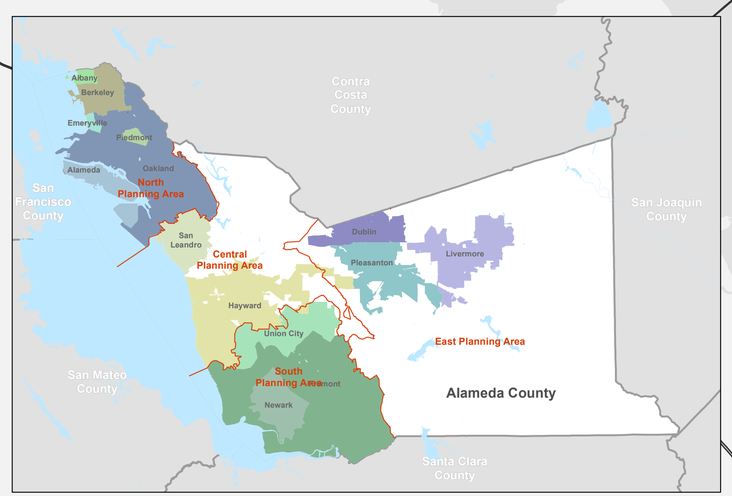
VMT per capita = home-based VMT at residence TAZ divided by total population in TAZ

VMT includes all travel within 9-county Bay Area plus San Joaquin County plus estimates of travel distances beyond the 10-county model area

TAZs with zero values (white) did not have population in the 2020 model

2020 Vehicle Miles Traveled per Employee by TAZ

- > 25.00
- 20.01 - 25.00
- 15.01 - 20.00
- 10.01 - 15.00
- 0.01 - 10.00
- 0.00



0 1 2 3 Miles

ALAMEDA County Transportation Commission

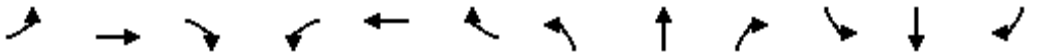
D - Level of Service and Vehicle Queuing Calculation Sheets



Lane Group	EBL	EBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	202	399	775	185	868	18
v/c Ratio	0.48	0.88	0.41	0.20	0.46	0.01
Control Delay	18.9	34.8	8.2	2.2	8.6	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	18.9	34.8	8.2	2.2	8.6	0.0
Queue Length 50th (ft)	48	79	65	0	75	0
Queue Length 95th (ft)	89	#192	110	24	125	0
Internal Link Dist (ft)		310	1104		275	
Turn Bay Length (ft)						
Base Capacity (vph)	538	550	1877	905	1877	1490
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.38	0.73	0.41	0.20	0.46	0.01

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	200	0	395	0	0	0	0	767	183	0	859	18
Future Volume (veh/h)	200	0	395	0	0	0	0	767	183	0	859	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No						No			No	
Adj Sat Flow, veh/h/ln	1811	1811	1811				0	1811	1811	0	1811	1811
Adj Flow Rate, veh/h	202	0	399				0	775	185	0	868	0
Peak Hour Factor	0.99	0.99	0.99				0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	6	6	6				0	6	6	0	6	6
Cap, veh/h	503	0	447				0	1750	764	0	1750	
Arrive On Green	0.29	0.00	0.29				0.00	0.51	0.51	0.00	0.51	0.00
Sat Flow, veh/h	1725	0	1535				0	3532	1502	0	3532	1535
Grp Volume(v), veh/h	202	0	399				0	775	185	0	868	0
Grp Sat Flow(s),veh/h/ln	1725	0	1535				0	1721	1502	0	1721	1535
Q Serve(g_s), s	4.7	0.0	12.4				0.0	7.1	3.5	0.0	8.3	0.0
Cycle Q Clear(g_c), s	4.7	0.0	12.4				0.0	7.1	3.5	0.0	8.3	0.0
Prop In Lane	1.00		1.00				0.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	503	0	447				0	1750	764	0	1750	
V/C Ratio(X)	0.40	0.00	0.89				0.00	0.44	0.24	0.00	0.50	
Avail Cap(c_a), veh/h	545	0	485				0	1750	764	0	1750	
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	14.2	0.0	17.0				0.0	7.8	6.9	0.0	8.1	0.0
Incr Delay (d2), s/veh	0.2	0.0	16.7				0.0	0.8	0.8	0.0	1.0	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	0.0	5.8				0.0	2.2	1.0	0.0	2.5	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	14.4	0.0	33.6				0.0	8.6	7.6	0.0	9.1	0.0
LnGrp LOS	B	A	C				A	A	A	A	A	
Approach Vol, veh/h		601						960			868	
Approach Delay, s/veh		27.2						8.4			9.1	
Approach LOS		C						A			A	

Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		31.2		18.8		31.2						
Change Period (Y+Rc), s		5.8		* 4.2		5.8						
Max Green Setting (Gmax), s		24.2		* 16		24.2						
Max Q Clear Time (g_c+I1), s		9.1		14.4		10.3						
Green Ext Time (p_c), s		1.1		0.1		1.3						

Intersection Summary		
HCM 6th Ctrl Delay		13.3
HCM 6th LOS		B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	0.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	506	18	10	683	5	7
Future Vol, veh/h	506	18	10	683	5	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	130	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	7	7	7	7	7	7
Mvmt Flow	533	19	11	719	5	7

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	552	0	925	543
Stage 1	-	-	-	-	543	-
Stage 2	-	-	-	-	382	-
Critical Hdwy	-	-	4.205	-	6.705	6.305
Critical Hdwy Stg 1	-	-	-	-	5.505	-
Critical Hdwy Stg 2	-	-	-	-	5.905	-
Follow-up Hdwy	-	-	2.2665	-	3.5665	3.3665
Pot Cap-1 Maneuver	-	-	987	-	275	527
Stage 1	-	-	-	-	569	-
Stage 2	-	-	-	-	648	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	987	-	272	527
Mov Cap-2 Maneuver	-	-	-	-	272	-
Stage 1	-	-	-	-	569	-
Stage 2	-	-	-	-	641	-

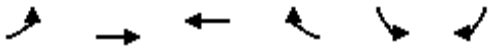
Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	14.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	379	-	-	987	-
HCM Lane V/C Ratio	0.033	-	-	0.011	-
HCM Control Delay (s)	14.8	-	-	8.7	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-



Lane Group	EBL	EBT	WBT	WBR	SBL
Lane Group Flow (vph)	5	357	234	158	237
v/c Ratio	0.02	0.50	0.36	0.24	0.50
Control Delay	22.4	11.7	12.6	3.8	18.3
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	22.4	11.7	12.6	3.8	18.3
Queue Length 50th (ft)	1	53	32	0	38
Queue Length 95th (ft)	11	122	116	33	139
Internal Link Dist (ft)		412	694		661
Turn Bay Length (ft)	50				
Base Capacity (vph)	1326	1792	1772	1508	1323
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.00	0.20	0.13	0.10	0.18

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	5	346	227	153	207	23
Future Volume (veh/h)	5	346	227	153	207	23
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1870
Adj Flow Rate, veh/h	5	357	234	158	213	24
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	6	6	6	6	6	2
Cap, veh/h	7	770	414	351	277	31
Arrive On Green	0.00	0.42	0.23	0.23	0.18	0.18
Sat Flow, veh/h	1725	1811	1811	1535	1525	172
Grp Volume(v), veh/h	5	357	234	158	238	0
Grp Sat Flow(s),veh/h/ln	1725	1811	1811	1535	1704	0
Q Serve(g_s), s	0.1	4.4	3.6	2.8	4.2	0.0
Cycle Q Clear(g_c), s	0.1	4.4	3.6	2.8	4.2	0.0
Prop In Lane	1.00			1.00	0.89	0.10
Lane Grp Cap(c), veh/h	7	770	414	351	309	0
V/C Ratio(X)	0.71	0.46	0.56	0.45	0.77	0.00
Avail Cap(c_a), veh/h	1656	3478	3478	2948	1636	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	15.5	6.4	10.7	10.4	12.2	0.0
Incr Delay (d2), s/veh	38.9	0.3	0.9	0.7	1.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	1.0	1.1	0.7	1.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	54.4	6.8	11.6	11.0	13.7	0.0
LnGrp LOS	D	A	B	B	B	A
Approach Vol, veh/h		362	392		238	
Approach Delay, s/veh		7.4	11.4		13.7	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.1	13.4			19.6	11.7
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	30.0	60.0			60.0	30.0
Max Q Clear Time (g_c+I1), s	2.1	5.6			6.4	6.2
Green Ext Time (p_c), s	0.0	1.6			1.9	0.3

Intersection Summary	
HCM 6th Ctrl Delay	10.5
HCM 6th LOS	B

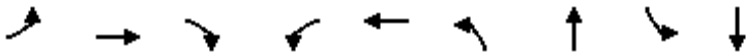
Intersection	
Int Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	519	21	129	379	8	48
Future Vol, veh/h	519	21	129	379	8	48
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	7	7	7	7	7	2
Mvmt Flow	530	21	132	387	8	49

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	551	0	999	276
Stage 1	-	-	-	-	541	-
Stage 2	-	-	-	-	458	-
Critical Hdwy	-	-	4.24	-	6.94	6.94
Critical Hdwy Stg 1	-	-	-	-	5.94	-
Critical Hdwy Stg 2	-	-	-	-	5.94	-
Follow-up Hdwy	-	-	2.27	-	3.57	3.32
Pot Cap-1 Maneuver	-	-	981	-	232	721
Stage 1	-	-	-	-	534	-
Stage 2	-	-	-	-	589	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	981	-	192	721
Mov Cap-2 Maneuver	-	-	-	-	320	-
Stage 1	-	-	-	-	534	-
Stage 2	-	-	-	-	488	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.7	11.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	612	-	-	981	-
HCM Lane V/C Ratio	0.093	-	-	0.134	-
HCM Control Delay (s)	11.5	-	-	9.2	0.5
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	-	-	0.5	-

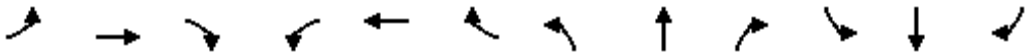


Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	13	217	695	391	341	441	616	113	618
v/c Ratio	0.19	0.57	1.03	0.78	0.28	0.93	0.49	0.68	0.91
Control Delay	74.3	58.2	60.7	69.3	31.9	77.0	31.3	83.2	73.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	74.3	58.2	60.7	69.3	31.9	77.0	31.3	83.2	73.5
Queue Length 50th (ft)	12	185	~340	184	106	404	196	104	296
Queue Length 95th (ft)	37	287	#612	241	167	#652	290	172	#422
Internal Link Dist (ft)		504			382		815		1595
Turn Bay Length (ft)	160			250		210		210	
Base Capacity (vph)	204	380	677	700	1234	481	1267	240	720
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.06	0.57	1.03	0.56	0.28	0.92	0.49	0.47	0.86

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	204	653	368	268	53	415	369	210	106	562	19
Future Volume (veh/h)	12	204	653	368	268	53	415	369	210	106	562	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811
Adj Flow Rate, veh/h	13	217	0	391	285	56	441	393	0	113	598	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	6	6	6	6	6	6	6	6	6	6	6	6
Cap, veh/h	21	266		479	796	154	478	1404		141	731	
Arrive On Green	0.01	0.15	0.00	0.14	0.28	0.28	0.28	0.41	0.00	0.08	0.21	0.00
Sat Flow, veh/h	1725	1811	1535	3346	2867	555	1725	3532	0	1725	3532	0
Grp Volume(v), veh/h	13	217	0	391	169	172	441	393	0	113	598	0
Grp Sat Flow(s),veh/h/ln	1725	1811	1535	1673	1721	1701	1725	1721	0	1725	1721	0
Q Serve(g_s), s	0.7	11.6	0.0	11.3	7.9	8.1	24.8	7.6	0.0	6.4	16.5	0.0
Cycle Q Clear(g_c), s	0.7	11.6	0.0	11.3	7.9	8.1	24.8	7.6	0.0	6.4	16.5	0.0
Prop In Lane	1.00		1.00	1.00		0.33	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	21	266		479	478	472	478	1404		141	731	
V/C Ratio(X)	0.62	0.82		0.82	0.35	0.36	0.92	0.28		0.80	0.82	
Avail Cap(c_a), veh/h	294	544		1006	655	648	691	1517		346	1035	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	49.1	41.3	0.0	41.5	28.9	29.0	35.0	19.7	0.0	45.0	37.5	0.0
Incr Delay (d2), s/veh	10.7	2.4	0.0	2.6	0.2	0.2	12.8	0.0	0.0	4.0	2.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	5.3	0.0	4.8	3.2	3.3	11.9	3.0	0.0	2.9	7.1	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	59.7	43.6	0.0	44.1	29.0	29.1	47.8	19.8	0.0	49.0	39.9	0.0
LnGrp LOS	E	D		D	C	C	D	B		D	D	
Approach Vol, veh/h		230			732			834			711	
Approach Delay, s/veh		44.6			37.1			34.6			41.3	
Approach LOS		D			D			C			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	33.2	26.7	6.7	33.2	13.7	46.2	19.8	20.1
Change Period (Y+Rc), s	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Max Green Setting (Gmax), s	40.0	30.0	17.0	38.0	20.0	44.0	30.0	30.0
Max Q Clear Time (g_c+I1), s	26.8	18.5	2.7	10.1	8.4	9.6	13.3	13.6
Green Ext Time (p_c), s	0.9	2.2	0.0	1.3	0.1	1.8	1.0	0.7

Intersection Summary	
HCM 6th Ctrl Delay	38.1
HCM 6th LOS	D

Notes

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	1.8

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	7	0	13	10	0	35	10	908	30	26	1467	4
Future Vol, veh/h	7	0	13	10	0	35	10	908	30	26	1467	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	1	1	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	100	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	8	0	14	11	0	38	11	987	33	28	1595	4

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2169	2696	800	1881	2682	511	1599	0	0	1021	0	0
Stage 1	1653	1653	-	1027	1027	-	-	-	-	-	-	-
Stage 2	516	1043	-	854	1655	-	-	-	-	-	-	-
Critical Hdwy	7.6	6.6	7	7.6	6.6	7	4.2	-	-	4.2	-	-
Critical Hdwy Stg 1	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Follow-up Hdwy	3.55	4.05	3.35	3.55	4.05	3.35	2.25	-	-	2.25	-	-
Pot Cap-1 Maneuver	25	20	322	42	21	500	392	-	-	658	-	-
Stage 1	99	150	-	245	303	-	-	-	-	-	-	-
Stage 2	502	298	-	313	149	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	22	19	322	38	20	500	392	-	-	657	-	-
Mov Cap-2 Maneuver	22	19	-	38	20	-	-	-	-	-	-	-
Stage 1	96	144	-	238	294	-	-	-	-	-	-	-
Stage 2	451	289	-	287	143	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	94.3	46.1	0.2	0.2
HCM LOS	F	E		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	392	-	-	22	322	135	657	-	-
HCM Lane V/C Ratio	0.028	-	-	0.346	0.044	0.362	0.043	-	-
HCM Control Delay (s)	14.4	-	-	238.5	16.7	46.1	10.7	-	-
HCM Lane LOS	B	-	-	F	C	E	B	-	-
HCM 95th %tile Q(veh)	0.1	-	-	1	0.1	1.5	0.1	-	-

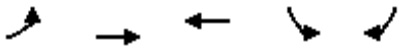
Intersection	
Int Delay, s/veh	1.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	2	1	13	7	1	48	35	872	10	71	1421	8
Future Vol, veh/h	2	1	13	7	1	48	35	872	10	71	1421	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	-	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	2	1	14	8	1	53	38	958	11	78	1562	9

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2279	2768	786	1978	2767	485	1571	0	0	969	0	0
Stage 1	1723	1723	-	1040	1040	-	-	-	-	-	-	-
Stage 2	556	1045	-	938	1727	-	-	-	-	-	-	-
Critical Hdwy	7.6	6.6	7	7.6	6.6	7	4.2	-	-	4.2	-	-
Critical Hdwy Stg 1	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Follow-up Hdwy	3.55	4.05	3.35	3.55	4.05	3.35	2.25	-	-	2.25	-	-
Pot Cap-1 Maneuver	21	18	329	35	18	520	402	-	-	689	-	-
Stage 1	90	138	-	241	299	-	-	-	-	-	-	-
Stage 2	475	297	-	278	137	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	14	13	329	24	13	520	402	-	-	689	-	-
Mov Cap-2 Maneuver	14	13	-	99	61	-	-	-	-	-	-	-
Stage 1	72	122	-	192	238	-	-	-	-	-	-	-
Stage 2	338	236	-	234	122	-	-	-	-	-	-	-

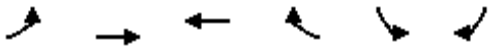
Approach	EB	WB	NB	SB
HCM Control Delay, s	74.9	19.4	0.6	0.5
HCM LOS	F	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	402	-	-	14	329	312	689	-	-
HCM Lane V/C Ratio	0.096	-	-	0.235	0.043	0.197	0.113	-	-
HCM Control Delay (s)	14.9	-	-	$ 328.5	16.4	19.4	10.9	-	-
HCM Lane LOS	B	-	-	F	C	C	B	-	-
HCM 95th %tile Q(veh)	0.3	-	-	0.6	0.1	0.7	0.4	-	-



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	9	591	674	304	16
v/c Ratio	0.04	0.42	0.53	0.58	0.03
Control Delay	26.9	10.9	14.0	21.2	8.7
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.9	10.9	14.0	21.2	8.7
Queue Length 50th (ft)	2	52	58	61	0
Queue Length 95th (ft)	18	115	183	208	13
Internal Link Dist (ft)		758	217	329	
Turn Bay Length (ft)	180				
Base Capacity (vph)	303	3319	3102	1310	1233
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.03	0.18	0.22	0.23	0.01

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	9	561	521	120	289	15
Future Volume (veh/h)	9	561	521	120	289	15
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1870
Adj Flow Rate, veh/h	9	591	548	126	304	16
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	7	7	7	7	7	2
Cap, veh/h	16	1642	909	208	395	366
Arrive On Green	0.01	0.48	0.33	0.33	0.23	0.23
Sat Flow, veh/h	1711	3503	2835	629	1711	1585
Grp Volume(v), veh/h	9	591	340	334	304	16
Grp Sat Flow(s),veh/h/ln	1711	1706	1706	1667	1711	1585
Q Serve(g_s), s	0.2	4.6	7.1	7.2	7.1	0.3
Cycle Q Clear(g_c), s	0.2	4.6	7.1	7.2	7.1	0.3
Prop In Lane	1.00			0.38	1.00	1.00
Lane Grp Cap(c), veh/h	16	1642	565	552	395	366
V/C Ratio(X)	0.55	0.36	0.60	0.61	0.77	0.04
Avail Cap(c_a), veh/h	321	4797	2398	2343	1403	1300
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.1	6.9	11.9	11.9	15.4	12.8
Incr Delay (d2), s/veh	26.4	0.1	1.0	1.1	3.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.2	2.3	2.3	2.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	47.4	7.1	13.0	13.0	18.6	12.8
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		600	674		320	
Approach Delay, s/veh		7.7	13.0		18.3	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.4	20.4			26.8	15.8
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	8.0	60.0			60.0	35.0
Max Q Clear Time (g_c+I1), s	2.2	9.2			6.6	9.1
Green Ext Time (p_c), s	0.0	5.0			4.7	1.0

Intersection Summary	
HCM 6th Ctrl Delay	12.1
HCM 6th LOS	B

Intersection	
Int Delay, s/veh	0.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	848	2	5	640	1	3
Future Vol, veh/h	848	2	5	640	1	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	1	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	922	2	5	696	1	3

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	924	0	1281	462
Stage 1	-	-	-	-	923	-
Stage 2	-	-	-	-	358	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	735	-	157	547
Stage 1	-	-	-	-	347	-
Stage 2	-	-	-	-	678	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	735	-	156	547
Mov Cap-2 Maneuver	-	-	-	-	270	-
Stage 1	-	-	-	-	347	-
Stage 2	-	-	-	-	673	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	13.4
HCM LOS			B

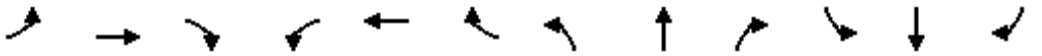
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	435	-	-	735	-
HCM Lane V/C Ratio	0.01	-	-	0.007	-
HCM Control Delay (s)	13.4	-	-	9.9	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0	-	-	0	-



Lane Group	EBL	EBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	1014	803	804	259	404	33
v/c Ratio	0.94	0.77	0.88	0.44	0.44	0.02
Control Delay	34.1	16.0	42.9	5.8	28.4	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	34.1	16.0	42.9	5.8	28.4	0.0
Queue Length 50th (ft)	475	224	225	0	98	0
Queue Length 95th (ft)	#885	475	295	54	140	0
Internal Link Dist (ft)		310	1104		275	
Turn Bay Length (ft)						
Base Capacity (vph)	1084	1047	1183	688	1183	1520
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.94	0.77	0.68	0.38	0.34	0.02

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	973	0	771	0	0	0	0	772	249	0	388	32
Future Volume (veh/h)	973	0	771	0	0	0	0	772	249	0	388	32
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No						No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841				0	1841	1841	0	1841	1841
Adj Flow Rate, veh/h	1014	0	803				0	804	259	0	404	0
Peak Hour Factor	0.96	0.96	0.96				0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	4	4	4				0	4	4	0	4	4
Cap, veh/h	1043	0	928				0	921	402	0	921	
Arrive On Green	0.60	0.00	0.60				0.00	0.26	0.26	0.00	0.26	0.00
Sat Flow, veh/h	1753	0	1560				0	3589	1527	0	3589	1560
Grp Volume(v), veh/h	1014	0	803				0	804	259	0	404	0
Grp Sat Flow(s),veh/h/ln	1753	0	1560				0	1749	1527	0	1749	1560
Q Serve(g_s), s	39.3	0.0	30.4				0.0	15.5	10.6	0.0	6.8	0.0
Cycle Q Clear(g_c), s	39.3	0.0	30.4				0.0	15.5	10.6	0.0	6.8	0.0
Prop In Lane	1.00		1.00				0.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	1043	0	928				0	921	402	0	921	
V/C Ratio(X)	0.97	0.00	0.86				0.00	0.87	0.64	0.00	0.44	
Avail Cap(c_a), veh/h	1364	0	1214				0	1484	648	0	1484	
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	13.7	0.0	11.9				0.0	24.9	23.1	0.0	21.7	0.0
Incr Delay (d2), s/veh	14.6	0.0	4.4				0.0	2.0	0.6	0.0	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	16.5	0.0	9.5				0.0	6.3	3.7	0.0	2.7	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	28.4	0.0	16.3				0.0	26.9	23.7	0.0	21.8	0.0
LnGrp LOS	C	A	B				A	C	C	A	C	
Approach Vol, veh/h		1817						1063			404	
Approach Delay, s/veh		23.0						26.2			21.8	
Approach LOS		C						C			C	

Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		24.4		46.3		24.4						
Change Period (Y+Rc), s		5.8		* 4.2		5.8						
Max Green Setting (Gmax), s		30.0		* 55		30.0						
Max Q Clear Time (g_c+I1), s		17.5		41.3		8.8						
Green Ext Time (p_c), s		1.1		0.8		0.6						

Intersection Summary		
HCM 6th Ctrl Delay		23.9
HCM 6th LOS		C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

User approved changes to right turn type.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	0.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1003	7	4	490	12	10
Future Vol, veh/h	1003	7	4	490	12	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	130	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	9	9	9	9	9	2
Mvmt Flow	1067	7	4	521	13	11

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1074	0	1340	1071
Stage 1	-	-	-	-	1071	-
Stage 2	-	-	-	-	269	-
Critical Hdwy	-	-	4.235	-	6.735	6.23
Critical Hdwy Stg 1	-	-	-	-	5.535	-
Critical Hdwy Stg 2	-	-	-	-	5.935	-
Follow-up Hdwy	-	-	2.2855	-	3.5855	3.319
Pot Cap-1 Maneuver	-	-	614	-	148	267
Stage 1	-	-	-	-	315	-
Stage 2	-	-	-	-	735	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	614	-	147	267
Mov Cap-2 Maneuver	-	-	-	-	147	-
Stage 1	-	-	-	-	315	-
Stage 2	-	-	-	-	730	-

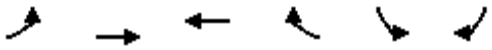
Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	27.3
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	185	-	-	614	-
HCM Lane V/C Ratio	0.127	-	-	0.007	-
HCM Control Delay (s)	27.3	-	-	10.9	-
HCM Lane LOS	D	-	-	B	-
HCM 95th %tile Q(veh)	0.4	-	-	0	-



Lane Group	EBL	EBT	WBT	WBR	SBL
Lane Group Flow (vph)	9	409	304	144	241
v/c Ratio	0.05	0.58	0.47	0.23	0.45
Control Delay	26.9	15.4	16.6	4.7	16.9
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.9	15.4	16.6	4.7	16.9
Queue Length 50th (ft)	2	70	48	0	44
Queue Length 95th (ft)	18	213	201	38	139
Internal Link Dist (ft)		412	694		661
Turn Bay Length (ft)	50				
Base Capacity (vph)	1186	1776	1695	1416	1186
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.01	0.23	0.18	0.10	0.20

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	8	368	274	130	209	8
Future Volume (veh/h)	8	368	274	130	209	8
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1796
Adj Flow Rate, veh/h	9	409	304	144	232	9
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	7	7	7	7	7	7
Cap, veh/h	12	806	478	395	313	12
Arrive On Green	0.01	0.45	0.27	0.27	0.19	0.19
Sat Flow, veh/h	1711	1796	1796	1488	1633	63
Grp Volume(v), veh/h	9	409	304	144	242	0
Grp Sat Flow(s),veh/h/ln	1711	1796	1796	1488	1703	0
Q Serve(g_s), s	0.2	5.6	5.1	2.7	4.6	0.0
Cycle Q Clear(g_c), s	0.2	5.6	5.1	2.7	4.6	0.0
Prop In Lane	1.00			1.00	0.96	0.04
Lane Grp Cap(c), veh/h	12	806	478	395	326	0
V/C Ratio(X)	0.73	0.51	0.64	0.36	0.74	0.00
Avail Cap(c_a), veh/h	1502	3154	3154	2612	1495	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	16.9	6.7	11.1	10.2	13.0	0.0
Incr Delay (d2), s/veh	26.3	0.4	1.1	0.4	3.3	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	1.3	1.6	0.7	1.7	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	43.2	7.1	12.1	10.6	16.4	0.0
LnGrp LOS	D	A	B	B	B	A
Approach Vol, veh/h		418	448		242	
Approach Delay, s/veh		7.9	11.6		16.4	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.2	15.4			21.6	12.5
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	30.0	60.0			60.0	30.0
Max Q Clear Time (g_c+I1), s	2.2	7.1			7.6	6.6
Green Ext Time (p_c), s	0.0	2.0			2.3	0.7

Intersection Summary	
HCM 6th Ctrl Delay	11.3
HCM 6th LOS	B

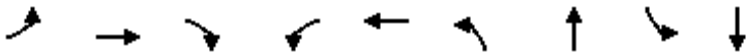
Intersection	
Int Delay, s/veh	2.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	580	6	52	366	33	141
Future Vol, veh/h	580	6	52	366	33	141
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	8	8	8	8	8	8
Mvmt Flow	630	7	57	398	36	153

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	637	0	947	319
Stage 1	-	-	-	-	634	-
Stage 2	-	-	-	-	313	-
Critical Hdwy	-	-	4.26	-	6.96	7.06
Critical Hdwy Stg 1	-	-	-	-	5.96	-
Critical Hdwy Stg 2	-	-	-	-	5.96	-
Follow-up Hdwy	-	-	2.28	-	3.58	3.38
Pot Cap-1 Maneuver	-	-	903	-	249	659
Stage 1	-	-	-	-	475	-
Stage 2	-	-	-	-	697	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	903	-	229	659
Mov Cap-2 Maneuver	-	-	-	-	350	-
Stage 1	-	-	-	-	475	-
Stage 2	-	-	-	-	641	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.4	14.6
HCM LOS			B

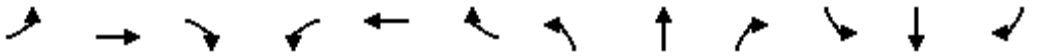
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	564	-	-	903	-
HCM Lane V/C Ratio	0.335	-	-	0.063	-
HCM Control Delay (s)	14.6	-	-	9.3	0.3
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	1.5	-	-	0.2	-



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	8	358	741	174	260	468	1027	114	538
v/c Ratio	0.11	0.83	0.97	0.57	0.22	0.86	0.75	0.66	0.83
Control Delay	65.3	65.0	40.8	64.1	28.0	58.8	34.2	73.8	61.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.3	65.0	40.8	64.1	28.0	58.8	34.2	73.8	61.6
Queue Length 50th (ft)	7	283	220	72	68	363	344	92	226
Queue Length 95th (ft)	26	#491	#534	115	123	#614	479	161	301
Internal Link Dist (ft)		504			382		815		1595
Turn Bay Length (ft)	160			250		210		210	
Base Capacity (vph)	231	430	763	792	1209	545	1363	272	815
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	0.83	0.97	0.22	0.22	0.86	0.75	0.42	0.66

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	7	326	674	158	180	56	426	566	369	104	480	10
Future Volume (veh/h)	7	326	674	158	180	56	426	566	369	104	480	10
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841
Adj Flow Rate, veh/h	8	358	0	174	198	62	468	622	0	114	527	0
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	14	409		252	759	230	507	1379		143	653	
Arrive On Green	0.01	0.22	0.00	0.07	0.29	0.29	0.29	0.39	0.00	0.08	0.19	0.00
Sat Flow, veh/h	1753	1841	1560	3401	2632	799	1753	3589	0	1753	3589	0
Grp Volume(v), veh/h	8	358	0	174	129	131	468	622	0	114	527	0
Grp Sat Flow(s),veh/h/ln	1753	1841	1560	1700	1749	1683	1753	1749	0	1753	1749	0
Q Serve(g_s), s	0.4	18.1	0.0	4.8	5.5	5.8	25.0	12.7	0.0	6.2	13.9	0.0
Cycle Q Clear(g_c), s	0.4	18.1	0.0	4.8	5.5	5.8	25.0	12.7	0.0	6.2	13.9	0.0
Prop In Lane	1.00		1.00	1.00		0.47	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	14	409		252	504	485	507	1379		143	653	
V/C Ratio(X)	0.57	0.88		0.69	0.26	0.27	0.92	0.45		0.80	0.81	
Avail Cap(c_a), veh/h	308	571		1056	688	662	726	1592		363	1086	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	47.8	36.3	0.0	43.6	26.4	26.5	33.3	21.6	0.0	43.6	37.6	0.0
Incr Delay (d2), s/veh	12.8	8.4	0.0	2.5	0.1	0.1	12.5	0.1	0.0	3.8	0.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	9.0	0.0	2.1	2.3	2.3	12.1	5.1	0.0	2.8	6.0	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	60.6	44.7	0.0	46.1	26.5	26.6	45.8	21.6	0.0	47.4	38.6	0.0
LnGrp LOS	E	D		D	C	C	D	C		D	D	
Approach Vol, veh/h		366			434			1090			641	
Approach Delay, s/veh		45.1			34.4			32.0			40.1	
Approach LOS		D			C			C			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	33.5	23.5	6.3	33.4	13.4	43.6	12.7	27.0
Change Period (Y+Rc), s	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Max Green Setting (Gmax), s	40.0	30.0	17.0	38.0	20.0	44.0	30.0	30.0
Max Q Clear Time (g_c+I1), s	27.0	15.9	2.4	7.8	8.2	14.7	6.8	20.1
Green Ext Time (p_c), s	1.0	2.1	0.0	1.0	0.1	3.0	0.4	1.0

Intersection Summary	
HCM 6th Ctrl Delay	36.4
HCM 6th LOS	D

Notes

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	4.6

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	20	0	15	8	3	28	5	1328	45	31	1271	20
Future Vol, veh/h	20	0	15	8	3	28	5	1328	45	31	1271	20
Conflicting Peds, #/hr	0	0	0	0	0	0	1	0	0	0	0	1
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	100	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	98	98	98	98	98	98	98	98	98	98	98	98
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	2
Mvmt Flow	20	0	15	8	3	29	5	1355	46	32	1297	20

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2061	2783	660	2101	2770	701	1318	0	0	1401	0	0
Stage 1	1372	1372	-	1388	1388	-	-	-	-	-	-	-
Stage 2	689	1411	-	713	1382	-	-	-	-	-	-	-
Critical Hdwy	7.58	6.58	6.98	7.58	6.58	6.98	4.18	-	-	4.18	-	-
Critical Hdwy Stg 1	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.54	4.04	3.34	3.54	4.04	3.34	2.24	-	-	2.24	-	-
Pot Cap-1 Maneuver	31	18	401	29	18	377	510	-	-	473	-	-
Stage 1	151	208	-	147	205	-	-	-	-	-	-	-
Stage 2	397	199	-	384	206	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	23	17	401	26	17	377	510	-	-	473	-	-
Mov Cap-2 Maneuver	23	17	-	26	17	-	-	-	-	-	-	-
Stage 1	149	194	-	146	203	-	-	-	-	-	-	-
Stage 2	358	197	-	344	192	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	227.5	109.6	0	0.3
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	510	-	-	23	401	70	473	-	-
HCM Lane V/C Ratio	0.01	-	-	0.887	0.038	0.569	0.067	-	-
HCM Control Delay (s)	12.1	-	-	$ 387.4	14.3	109.6	13.2	-	-
HCM Lane LOS	B	-	-	F	B	F	B	-	-
HCM 95th %tile Q(veh)	0	-	-	2.6	0.1	2.4	0.2	-	-

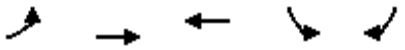
Intersection	
Int Delay, s/veh	0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	0	29	3	1	17	11	1336	9	48	1252	2
Future Vol, veh/h	3	0	29	3	1	17	11	1336	9	48	1252	2
Conflicting Peds, #/hr	1	0	0	0	0	1	1	0	0	0	0	1
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	-	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	4
Mvmt Flow	3	0	31	3	1	18	12	1437	10	52	1346	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2196	2923	675	2243	2919	725	1349	0	0	1447	0	0
Stage 1	1452	1452	-	1466	1466	-	-	-	-	-	-	-
Stage 2	744	1471	-	777	1453	-	-	-	-	-	-	-
Critical Hdwy	7.58	6.58	6.98	7.58	6.58	6.98	4.18	-	-	4.18	-	-
Critical Hdwy Stg 1	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.54	4.04	3.34	3.54	4.04	3.34	2.24	-	-	2.24	-	-
Pot Cap-1 Maneuver	24	15	392	22	15	363	496	-	-	454	-	-
Stage 1	134	190	-	132	187	-	-	-	-	-	-	-
Stage 2	368	186	-	351	190	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	19	12	392	17	12	363	496	-	-	454	-	-
Mov Cap-2 Maneuver	19	12	-	81	78	-	-	-	-	-	-	-
Stage 1	117	168	-	116	164	-	-	-	-	-	-	-
Stage 2	304	163	-	286	168	-	-	-	-	-	-	-

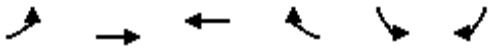
Approach	EB	WB	NB	SB
HCM Control Delay, s	35.1	23.5	0.1	0.5
HCM LOS	E	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	496	-	-	19	392	217	454	-	-
HCM Lane V/C Ratio	0.024	-	-	0.17	0.08	0.104	0.114	-	-
HCM Control Delay (s)	12.4	-	-	229.9	15	23.5	13.9	-	-
HCM Lane LOS	B	-	-	F	C	C	B	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0.5	0.3	0.3	0.4	-	-



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	13	826	664	244	15
v/c Ratio	0.06	0.54	0.48	0.51	0.03
Control Delay	25.3	11.0	11.7	20.7	9.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	25.3	11.0	11.7	20.7	9.2
Queue Length 50th (ft)	3	75	50	51	0
Queue Length 95th (ft)	21	145	156	158	13
Internal Link Dist (ft)		758	217	329	
Turn Bay Length (ft)	180				
Base Capacity (vph)	305	3438	3163	1320	1219
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.04	0.24	0.21	0.18	0.01

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	12	768	444	174	227	14
Future Volume (veh/h)	12	768	444	174	227	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1870
Adj Flow Rate, veh/h	13	826	477	187	244	15
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	5	5	5	5	5	2
Cap, veh/h	23	1740	819	319	331	301
Arrive On Green	0.01	0.50	0.34	0.34	0.19	0.19
Sat Flow, veh/h	1739	3561	2515	943	1739	1585
Grp Volume(v), veh/h	13	826	340	324	244	15
Grp Sat Flow(s),veh/h/ln	1739	1735	1735	1632	1739	1585
Q Serve(g_s), s	0.3	6.2	6.4	6.5	5.3	0.3
Cycle Q Clear(g_c), s	0.3	6.2	6.4	6.5	5.3	0.3
Prop In Lane	1.00			0.58	1.00	1.00
Lane Grp Cap(c), veh/h	23	1740	586	552	331	301
V/C Ratio(X)	0.56	0.47	0.58	0.59	0.74	0.05
Avail Cap(c_a), veh/h	349	5215	2608	2454	1525	1390
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.6	6.5	10.9	10.9	15.2	13.2
Incr Delay (d2), s/veh	19.0	0.2	0.9	1.0	3.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.5	2.0	2.0	2.0	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	38.6	6.7	11.8	11.9	18.4	13.3
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		839	664		259	
Approach Delay, s/veh		7.2	11.9		18.2	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.5	19.8			26.3	13.6
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	8.0	60.0			60.0	35.0
Max Q Clear Time (g_c+I1), s	2.3	8.5			8.2	7.3
Green Ext Time (p_c), s	0.0	5.0			7.2	0.8

Intersection Summary	
HCM 6th Ctrl Delay	10.6
HCM 6th LOS	B

Intersection	
Int Delay, s/veh	0.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	995	0	0	619	0	10
Future Vol, veh/h	995	0	0	619	0	10
Conflicting Peds, #/hr	0	1	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	1	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1070	0	0	666	0	11

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1071	0	1404	536
Stage 1	-	-	-	-	1071	-
Stage 2	-	-	-	-	333	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	647	-	131	489
Stage 1	-	-	-	-	290	-
Stage 2	-	-	-	-	698	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	646	-	131	489
Mov Cap-2 Maneuver	-	-	-	-	233	-
Stage 1	-	-	-	-	290	-
Stage 2	-	-	-	-	698	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0	12.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	489	-	-	646	-
HCM Lane V/C Ratio	0.022	-	-	-	-
HCM Control Delay (s)	12.5	-	-	0	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-



Lane Group	EBL	EBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	202	435	786	185	881	18
v/c Ratio	0.44	0.90	0.44	0.21	0.49	0.01
Control Delay	17.6	38.4	8.8	2.2	9.3	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	17.6	38.4	8.8	2.2	9.3	0.0
Queue Length 50th (ft)	45	88	73	0	85	0
Queue Length 95th (ft)	89	#222	111	24	128	0
Internal Link Dist (ft)		310	1104		275	
Turn Bay Length (ft)						
Base Capacity (vph)	538	547	1806	877	1806	1490
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.38	0.80	0.44	0.21	0.49	0.01

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	200	0	431	0	0	0	0	778	183	0	872	18
Future Volume (veh/h)	200	0	431	0	0	0	0	778	183	0	872	18
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No						No			No	
Adj Sat Flow, veh/h/ln	1811	1811	1811				0	1811	1811	0	1811	1811
Adj Flow Rate, veh/h	202	0	435				0	786	185	0	881	0
Peak Hour Factor	0.99	0.99	0.99				0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	6	6	6				0	6	6	0	6	6
Cap, veh/h	539	0	479				0	1678	732	0	1678	
Arrive On Green	0.31	0.00	0.31				0.00	0.49	0.49	0.00	0.49	0.00
Sat Flow, veh/h	1725	0	1535				0	3532	1502	0	3532	1535
Grp Volume(v), veh/h	202	0	435				0	786	185	0	881	0
Grp Sat Flow(s),veh/h/ln	1725	0	1535				0	1721	1502	0	1721	1535
Q Serve(g_s), s	4.6	0.0	13.6				0.0	7.6	3.6	0.0	8.8	0.0
Cycle Q Clear(g_c), s	4.6	0.0	13.6				0.0	7.6	3.6	0.0	8.8	0.0
Prop In Lane	1.00		1.00				0.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	539	0	479				0	1678	732	0	1678	
V/C Ratio(X)	0.37	0.00	0.91				0.00	0.47	0.25	0.00	0.53	
Avail Cap(c_a), veh/h	545	0	485				0	1678	732	0	1678	
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	13.4	0.0	16.5				0.0	8.5	7.5	0.0	8.8	0.0
Incr Delay (d2), s/veh	0.2	0.0	20.1				0.0	0.9	0.8	0.0	1.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	0.0	6.7				0.0	2.4	1.1	0.0	2.8	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	13.5	0.0	36.6				0.0	9.4	8.3	0.0	10.0	0.0
LnGrp LOS	B	A	D				A	A	A	A	B	
Approach Vol, veh/h		637						971			881	
Approach Delay, s/veh		29.3						9.2			10.0	
Approach LOS		C						A			B	

Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		30.2		19.8		30.2						
Change Period (Y+Rc), s		5.8		* 4.2		5.8						
Max Green Setting (Gmax), s		24.2		* 16		24.2						
Max Q Clear Time (g_c+I1), s		9.6		15.6		10.8						
Green Ext Time (p_c), s		1.1		0.0		1.3						

Intersection Summary		
HCM 6th Ctrl Delay		14.6
HCM 6th LOS		B

Notes

User approved pedestrian interval to be less than phase max green.

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

User approved changes to right turn type.

Intersection	
Int Delay, s/veh	0.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	555	18	10	694	5	7
Future Vol, veh/h	555	18	10	694	5	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	130	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	7	7	7	7	7	7
Mvmt Flow	584	19	11	731	5	7

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	603	0	982	594
Stage 1	-	-	-	-	594	-
Stage 2	-	-	-	-	388	-
Critical Hdwy	-	-	4.205	-	6.705	6.305
Critical Hdwy Stg 1	-	-	-	-	5.505	-
Critical Hdwy Stg 2	-	-	-	-	5.905	-
Follow-up Hdwy	-	-	2.2665	-	3.5665	3.3665
Pot Cap-1 Maneuver	-	-	944	-	254	492
Stage 1	-	-	-	-	538	-
Stage 2	-	-	-	-	643	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	944	-	251	492
Mov Cap-2 Maneuver	-	-	-	-	251	-
Stage 1	-	-	-	-	538	-
Stage 2	-	-	-	-	635	-

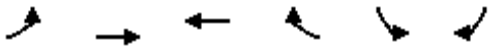
Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	15.6
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	351	-	-	944	-
HCM Lane V/C Ratio	0.036	-	-	0.011	-
HCM Control Delay (s)	15.6	-	-	8.9	-
HCM Lane LOS	C	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-



Lane Group	EBL	EBT	WBT	WBR	SBL
Lane Group Flow (vph)	5	407	245	158	237
v/c Ratio	0.03	0.55	0.36	0.23	0.50
Control Delay	23.4	12.6	12.8	3.8	18.6
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	23.4	12.6	12.8	3.8	18.6
Queue Length 50th (ft)	1	65	35	0	42
Queue Length 95th (ft)	11	149	125	33	138
Internal Link Dist (ft)		412	694		661
Turn Bay Length (ft)	50				
Base Capacity (vph)	1276	1792	1765	1504	1274
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.00	0.23	0.14	0.11	0.19

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	5	395	238	153	207	23
Future Volume (veh/h)	5	395	238	153	207	23
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1870
Adj Flow Rate, veh/h	5	407	245	158	213	24
Peak Hour Factor	0.97	0.97	0.97	0.97	0.97	0.97
Percent Heavy Veh, %	6	6	6	6	6	2
Cap, veh/h	7	777	426	361	276	31
Arrive On Green	0.00	0.43	0.23	0.23	0.18	0.18
Sat Flow, veh/h	1725	1811	1811	1535	1525	172
Grp Volume(v), veh/h	5	407	245	158	238	0
Grp Sat Flow(s),veh/h/ln	1725	1811	1811	1535	1704	0
Q Serve(g_s), s	0.1	5.2	3.8	2.8	4.2	0.0
Cycle Q Clear(g_c), s	0.1	5.2	3.8	2.8	4.2	0.0
Prop In Lane	1.00			1.00	0.89	0.10
Lane Grp Cap(c), veh/h	7	777	426	361	309	0
V/C Ratio(X)	0.71	0.52	0.58	0.44	0.77	0.00
Avail Cap(c_a), veh/h	1639	3442	3442	2917	1619	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	15.7	6.6	10.7	10.3	12.3	0.0
Incr Delay (d2), s/veh	38.9	0.4	0.9	0.6	1.5	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	1.2	1.2	0.7	1.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	54.6	7.0	11.6	10.9	13.8	0.0
LnGrp LOS	D	A	B	B	B	A
Approach Vol, veh/h		412	403		238	
Approach Delay, s/veh		7.6	11.3		13.8	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.1	13.7			19.8	11.7
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	30.0	60.0			60.0	30.0
Max Q Clear Time (g_c+I1), s	2.1	5.8			7.2	6.2
Green Ext Time (p_c), s	0.0	1.6			2.3	0.3

Intersection Summary	
HCM 6th Ctrl Delay	10.4
HCM 6th LOS	B

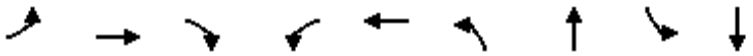
Intersection	
Int Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	568	21	129	390	8	48
Future Vol, veh/h	568	21	129	390	8	48
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	7	7	7	7	7	2
Mvmt Flow	580	21	132	398	8	49

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	601	0	1054	301
Stage 1	-	-	-	-	591	-
Stage 2	-	-	-	-	463	-
Critical Hdwy	-	-	4.24	-	6.94	6.94
Critical Hdwy Stg 1	-	-	-	-	5.94	-
Critical Hdwy Stg 2	-	-	-	-	5.94	-
Follow-up Hdwy	-	-	2.27	-	3.57	3.32
Pot Cap-1 Maneuver	-	-	939	-	213	695
Stage 1	-	-	-	-	503	-
Stage 2	-	-	-	-	586	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	939	-	175	695
Mov Cap-2 Maneuver	-	-	-	-	304	-
Stage 1	-	-	-	-	503	-
Stage 2	-	-	-	-	481	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.7	11.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	587	-	-	939	-
HCM Lane V/C Ratio	0.097	-	-	0.14	-
HCM Control Delay (s)	11.8	-	-	9.5	0.5
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	-	-	0.5	-



Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	13	243	716	391	459	535	616	113	618
v/c Ratio	0.19	0.64	1.06	0.78	0.37	1.12	0.48	0.69	0.91
Control Delay	74.3	61.2	70.9	69.7	34.2	123.2	31.2	83.4	74.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	74.3	61.2	70.9	69.7	34.2	123.2	31.2	83.4	74.1
Queue Length 50th (ft)	12	210	~381	184	153	~578	196	104	296
Queue Length 95th (ft)	37	322	#657	241	230	#855	290	172	#422
Internal Link Dist (ft)		504			382		815		1595
Turn Bay Length (ft)	160			250		210		210	
Base Capacity (vph)	204	378	677	698	1235	479	1274	240	717
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.06	0.64	1.06	0.56	0.37	1.12	0.48	0.47	0.86

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	228	673	368	379	53	503	369	210	106	562	19
Future Volume (veh/h)	12	228	673	368	379	53	503	369	210	106	562	19
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811	1811
Adj Flow Rate, veh/h	13	243	0	391	403	56	535	393	0	113	598	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	6	6	6	6	6	6	6	6	6	6	6	6
Cap, veh/h	20	282		463	855	118	557	1526		138	690	
Arrive On Green	0.01	0.16	0.00	0.14	0.28	0.28	0.32	0.44	0.00	0.08	0.20	0.00
Sat Flow, veh/h	1725	1811	1535	3346	3031	418	1725	3532	0	1725	3532	0
Grp Volume(v), veh/h	13	243	0	391	228	231	535	393	0	113	598	0
Grp Sat Flow(s),veh/h/ln	1725	1811	1535	1673	1721	1729	1725	1721	0	1725	1721	0
Q Serve(g_s), s	0.9	15.8	0.0	13.7	13.2	13.4	36.7	8.6	0.0	7.8	20.3	0.0
Cycle Q Clear(g_c), s	0.9	15.8	0.0	13.7	13.2	13.4	36.7	8.6	0.0	7.8	20.3	0.0
Prop In Lane	1.00		1.00	1.00		0.24	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	20	282		463	485	488	557	1526		138	690	
V/C Ratio(X)	0.64	0.86		0.84	0.47	0.47	0.96	0.26		0.82	0.87	
Avail Cap(c_a), veh/h	243	451		833	543	545	573	1526		286	857	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	59.3	49.6	0.0	50.7	35.8	35.8	40.0	21.1	0.0	54.6	46.6	0.0
Incr Delay (d2), s/veh	12.0	5.6	0.0	3.2	0.3	0.3	27.4	0.0	0.0	4.5	6.8	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	7.6	0.0	6.0	5.6	5.7	19.6	3.5	0.0	3.5	9.3	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	71.3	55.2	0.0	53.9	36.0	36.1	67.5	21.1	0.0	59.1	53.4	0.0
LnGrp LOS	E	E		D	D	D	E	C		E	D	
Approach Vol, veh/h		256			850			928			711	
Approach Delay, s/veh		56.0			44.3			47.8			54.3	
Approach LOS		E			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	44.4	29.7	6.9	39.5	15.1	58.9	22.2	24.2
Change Period (Y+Rc), s	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Max Green Setting (Gmax), s	40.0	30.0	17.0	38.0	20.0	44.0	30.0	30.0
Max Q Clear Time (g_c+I1), s	38.7	22.3	2.9	15.4	9.8	10.6	15.7	17.8
Green Ext Time (p_c), s	0.2	1.8	0.0	1.8	0.1	1.8	0.9	0.7

Intersection Summary	
HCM 6th Ctrl Delay	49.2
HCM 6th LOS	D

Notes

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	2

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	7	0	13	10	0	35	10	996	30	26	1487	4
Future Vol, veh/h	7	0	13	10	0	35	10	996	30	26	1487	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	1	1	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	100	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	8	0	14	11	0	38	11	1083	33	28	1616	4

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2238	2813	810	1987	2799	559	1620	0	0	1117	0	0
Stage 1	1674	1674	-	1123	1123	-	-	-	-	-	-	-
Stage 2	564	1139	-	864	1676	-	-	-	-	-	-	-
Critical Hdwy	7.6	6.6	7	7.6	6.6	7	4.2	-	-	4.2	-	-
Critical Hdwy Stg 1	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Follow-up Hdwy	3.55	4.05	3.35	3.55	4.05	3.35	2.25	-	-	2.25	-	-
Pot Cap-1 Maneuver	22	17	317	35	17	465	384	-	-	604	-	-
Stage 1	96	146	-	214	273	-	-	-	-	-	-	-
Stage 2	470	268	-	309	146	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	19	16	317	32	16	465	384	-	-	603	-	-
Mov Cap-2 Maneuver	19	16	-	32	16	-	-	-	-	-	-	-
Stage 1	93	139	-	208	265	-	-	-	-	-	-	-
Stage 2	419	260	-	282	139	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	111.9	57	0.1	0.2
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	384	-	-	19	317	116	603	-	-
HCM Lane V/C Ratio	0.028	-	-	0.4	0.045	0.422	0.047	-	-
HCM Control Delay (s)	14.6	-	-	288.4	16.9	57	11.3	-	-
HCM Lane LOS	B	-	-	F	C	F	B	-	-
HCM 95th %tile Q(veh)	0.1	-	-	1.1	0.1	1.8	0.1	-	-

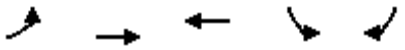
Intersection	
Int Delay, s/veh	1.5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	2	1	13	7	1	48	35	960	10	71	1441	8
Future Vol, veh/h	2	1	13	7	1	48	35	960	10	71	1441	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	-	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	91	91	91	91	91	91	91	91	91	91	91	91
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	2	1	14	8	1	53	38	1055	11	78	1584	9

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2349	2887	797	2086	2886	533	1593	0	0	1066	0	0
Stage 1	1745	1745	-	1137	1137	-	-	-	-	-	-	-
Stage 2	604	1142	-	949	1749	-	-	-	-	-	-	-
Critical Hdwy	7.6	6.6	7	7.6	6.6	7	4.2	-	-	4.2	-	-
Critical Hdwy Stg 1	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.6	5.6	-	6.6	5.6	-	-	-	-	-	-	-
Follow-up Hdwy	3.55	4.05	3.35	3.55	4.05	3.35	2.25	-	-	2.25	-	-
Pot Cap-1 Maneuver	18	15	323	29	15	484	394	-	-	632	-	-
Stage 1	87	134	-	210	269	-	-	-	-	-	-	-
Stage 2	445	267	-	274	134	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	12	10	323	19	10	484	394	-	-	632	-	-
Mov Cap-2 Maneuver	12	10	-	88	56	-	-	-	-	-	-	-
Stage 1	66	118	-	160	205	-	-	-	-	-	-	-
Stage 2	301	204	-	227	118	-	-	-	-	-	-	-

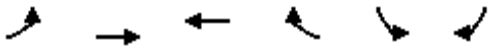
Approach	EB	WB	NB	SB
HCM Control Delay, s	95.6	21.1	0.5	0.5
HCM LOS	F	C		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	394	-	-	11	323	285	632	-	-
HCM Lane V/C Ratio	0.098	-	-	0.3	0.044	0.216	0.123	-	-
HCM Control Delay (s)	15.1	-	-	$ 437.3	16.7	21.1	11.5	-	-
HCM Lane LOS	C	-	-	F	C	C	B	-	-
HCM 95th %tile Q(veh)	0.3	-	-	0.7	0.1	0.8	0.4	-	-



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	9	642	686	304	16
v/c Ratio	0.04	0.46	0.54	0.58	0.03
Control Delay	27.1	11.2	14.1	21.4	8.7
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	27.1	11.2	14.1	21.4	8.7
Queue Length 50th (ft)	2	58	60	62	0
Queue Length 95th (ft)	19	127	187	210	14
Internal Link Dist (ft)		758	217	329	
Turn Bay Length (ft)	180				
Base Capacity (vph)	301	3313	3097	1302	1225
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.03	0.19	0.22	0.23	0.01

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	9	610	532	120	289	15
Future Volume (veh/h)	9	610	532	120	289	15
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1870
Adj Flow Rate, veh/h	9	642	560	126	304	16
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	7	7	7	7	7	2
Cap, veh/h	16	1651	924	207	394	365
Arrive On Green	0.01	0.48	0.34	0.34	0.23	0.23
Sat Flow, veh/h	1711	3503	2847	618	1711	1585
Grp Volume(v), veh/h	9	642	346	340	304	16
Grp Sat Flow(s),veh/h/ln	1711	1706	1706	1669	1711	1585
Q Serve(g_s), s	0.2	5.1	7.3	7.3	7.2	0.3
Cycle Q Clear(g_c), s	0.2	5.1	7.3	7.3	7.2	0.3
Prop In Lane	1.00			0.37	1.00	1.00
Lane Grp Cap(c), veh/h	16	1651	572	559	394	365
V/C Ratio(X)	0.55	0.39	0.60	0.61	0.77	0.04
Avail Cap(c_a), veh/h	318	4758	2379	2327	1391	1289
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.2	7.1	11.9	12.0	15.5	12.9
Incr Delay (d2), s/veh	26.4	0.1	1.0	1.1	3.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.3	2.4	2.3	2.7	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	47.6	7.2	13.0	13.0	18.7	12.9
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		651	686		320	
Approach Delay, s/veh		7.8	13.0		18.4	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.4	20.7			27.1	15.9
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	8.0	60.0			60.0	35.0
Max Q Clear Time (g_c+I1), s	2.2	9.3			7.1	9.2
Green Ext Time (p_c), s	0.0	5.1			5.2	1.0

Intersection Summary	
HCM 6th Ctrl Delay	12.0
HCM 6th LOS	B

Intersection	
Int Delay, s/veh	0.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	888	2	8	836	1	7
Future Vol, veh/h	888	2	8	836	1	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	1	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	965	2	9	909	1	8

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	967	0	1439	484
Stage 1	-	-	-	-	966	-
Stage 2	-	-	-	-	473	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	708	-	124	529
Stage 1	-	-	-	-	330	-
Stage 2	-	-	-	-	593	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	708	-	122	529
Mov Cap-2 Maneuver	-	-	-	-	242	-
Stage 1	-	-	-	-	330	-
Stage 2	-	-	-	-	585	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	13
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	461	-	-	708	-
HCM Lane V/C Ratio	0.019	-	-	0.012	-
HCM Control Delay (s)	13	-	-	10.1	-
HCM Lane LOS	B	-	-	B	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-

Intersection	
Int Delay, s/veh	1.8

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	850	49	196	641	11	40
Future Vol, veh/h	850	49	196	641	11	40
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	1	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	924	53	213	697	12	43

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	977	0	1726	489
Stage 1	-	-	-	-	951	-
Stage 2	-	-	-	-	775	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	702	-	80	525
Stage 1	-	-	-	-	336	-
Stage 2	-	-	-	-	415	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	702	-	56	525
Mov Cap-2 Maneuver	-	-	-	-	167	-
Stage 1	-	-	-	-	336	-
Stage 2	-	-	-	-	289	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.9	16.9
HCM LOS			C

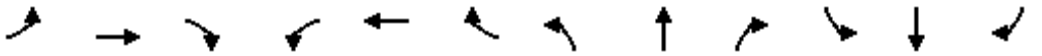
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	359	-	-	702	-
HCM Lane V/C Ratio	0.154	-	-	0.303	-
HCM Control Delay (s)	16.9	-	-	12.3	-
HCM Lane LOS	C	-	-	B	-
HCM 95th %tile Q(veh)	0.5	-	-	1.3	-



Lane Group	EBL	EBT	NBT	NBR	SBT	SBR
Lane Group Flow (vph)	1014	827	854	259	411	33
v/c Ratio	0.95	0.80	0.90	0.43	0.43	0.02
Control Delay	36.9	18.3	44.5	5.6	28.1	0.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	36.9	18.3	44.5	5.6	28.1	0.0
Queue Length 50th (ft)	504	260	244	0	100	0
Queue Length 95th (ft)	#885	#597	318	54	142	0
Internal Link Dist (ft)		310	1104		275	
Turn Bay Length (ft)						
Base Capacity (vph)	1066	1030	1163	681	1163	1520
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.95	0.80	0.73	0.38	0.35	0.02

Intersection Summary

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	973	0	794	0	0	0	0	820	249	0	395	32
Future Volume (veh/h)	973	0	794	0	0	0	0	820	249	0	395	32
Initial Q (Qb), veh	0	0	0				0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00				1.00		0.98	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No						No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841				0	1841	1841	0	1841	1841
Adj Flow Rate, veh/h	1014	0	827				0	854	259	0	411	0
Peak Hour Factor	0.96	0.96	0.96				0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	4	4	4				0	4	4	0	4	4
Cap, veh/h	1041	0	927				0	962	420	0	962	
Arrive On Green	0.59	0.00	0.59				0.00	0.28	0.28	0.00	0.28	0.00
Sat Flow, veh/h	1753	0	1560				0	3589	1527	0	3589	1560
Grp Volume(v), veh/h	1014	0	827				0	854	259	0	411	0
Grp Sat Flow(s),veh/h/ln	1753	0	1560				0	1749	1527	0	1749	1560
Q Serve(g_s), s	42.5	0.0	35.0				0.0	17.9	11.3	0.0	7.4	0.0
Cycle Q Clear(g_c), s	42.5	0.0	35.0				0.0	17.9	11.3	0.0	7.4	0.0
Prop In Lane	1.00		1.00				0.00		1.00	0.00		1.00
Lane Grp Cap(c), veh/h	1041	0	927				0	962	420	0	962	
V/C Ratio(X)	0.97	0.00	0.89				0.00	0.89	0.62	0.00	0.43	
Avail Cap(c_a), veh/h	1262	0	1123				0	1374	600	0	1374	
HCM Platoon Ratio	1.00	1.00	1.00				1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00				0.00	1.00	1.00	0.00	1.00	0.00
Uniform Delay (d), s/veh	14.9	0.0	13.4				0.0	26.6	24.2	0.0	22.7	0.0
Incr Delay (d2), s/veh	16.8	0.0	7.2				0.0	4.2	0.6	0.0	0.1	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	18.7	0.0	12.0				0.0	7.6	4.0	0.0	2.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	31.8	0.0	20.6				0.0	30.7	24.7	0.0	22.9	0.0
LnGrp LOS	C	A	C				A	C	C	A	C	
Approach Vol, veh/h		1841						1113			411	
Approach Delay, s/veh		26.8						29.3			22.9	
Approach LOS		C						C			C	

Timer - Assigned Phs		2		4		6						
Phs Duration (G+Y+Rc), s		26.8		49.6		26.8						
Change Period (Y+Rc), s		5.8		* 4.2		5.8						
Max Green Setting (Gmax), s		30.0		* 55		30.0						
Max Q Clear Time (g_c+I1), s		19.9		44.5		9.4						
Green Ext Time (p_c), s		1.1		0.8		0.6						

Intersection Summary	
HCM 6th Ctrl Delay	27.1
HCM 6th LOS	C

Notes

* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.

User approved changes to right turn type.

Unsignalized Delay for [SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	0.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1033	7	4	538	12	10
Future Vol, veh/h	1033	7	4	538	12	10
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	130	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	9	9	9	9	9	2
Mvmt Flow	1099	7	4	572	13	11

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1106	0	1397	1103
Stage 1	-	-	-	-	1103	-
Stage 2	-	-	-	-	294	-
Critical Hdwy	-	-	4.235	-	6.735	6.23
Critical Hdwy Stg 1	-	-	-	-	5.535	-
Critical Hdwy Stg 2	-	-	-	-	5.935	-
Follow-up Hdwy	-	-	2.2855	-	3.5855	3.319
Pot Cap-1 Maneuver	-	-	597	-	136	256
Stage 1	-	-	-	-	304	-
Stage 2	-	-	-	-	713	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	597	-	135	256
Mov Cap-2 Maneuver	-	-	-	-	135	-
Stage 1	-	-	-	-	304	-
Stage 2	-	-	-	-	708	-

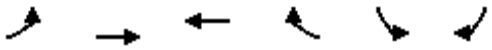
Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	29.2
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	172	-	-	597	-
HCM Lane V/C Ratio	0.136	-	-	0.007	-
HCM Control Delay (s)	29.2	-	-	11.1	-
HCM Lane LOS	D	-	-	B	-
HCM 95th %tile Q(veh)	0.5	-	-	0	-



Lane Group	EBL	EBT	WBT	WBR	SBL
Lane Group Flow (vph)	9	442	358	144	241
v/c Ratio	0.05	0.60	0.52	0.22	0.46
Control Delay	28.6	15.5	17.0	4.4	18.2
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	28.6	15.5	17.0	4.4	18.2
Queue Length 50th (ft)	2	80	61	0	47
Queue Length 95th (ft)	19	231	238	37	152
Internal Link Dist (ft)		412	694		661
Turn Bay Length (ft)	50				
Base Capacity (vph)	1140	1776	1679	1404	1140
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.01	0.25	0.21	0.10	0.21

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	8	398	322	130	209	8
Future Volume (veh/h)	8	398	322	130	209	8
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1796
Adj Flow Rate, veh/h	9	442	358	144	232	9
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	7	7	7	7	7	7
Cap, veh/h	12	842	530	439	311	12
Arrive On Green	0.01	0.47	0.30	0.30	0.19	0.19
Sat Flow, veh/h	1711	1796	1796	1488	1633	63
Grp Volume(v), veh/h	9	442	358	144	242	0
Grp Sat Flow(s),veh/h/ln	1711	1796	1796	1488	1703	0
Q Serve(g_s), s	0.2	6.3	6.3	2.7	4.8	0.0
Cycle Q Clear(g_c), s	0.2	6.3	6.3	2.7	4.8	0.0
Prop In Lane	1.00			1.00	0.96	0.04
Lane Grp Cap(c), veh/h	12	842	530	439	324	0
V/C Ratio(X)	0.73	0.53	0.68	0.33	0.75	0.00
Avail Cap(c_a), veh/h	1423	2989	2989	2476	1417	0
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	17.9	6.8	11.2	9.9	13.8	0.0
Incr Delay (d2), s/veh	26.5	0.4	1.1	0.3	3.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.5	2.0	0.7	1.8	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	44.4	7.1	12.3	10.2	17.2	0.0
LnGrp LOS	D	A	B	B	B	A
Approach Vol, veh/h		451	502		242	
Approach Delay, s/veh		7.9	11.7		17.2	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.3	16.9			23.2	12.9
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	30.0	60.0			60.0	30.0
Max Q Clear Time (g_c+I1), s	2.2	8.3			8.3	6.8
Green Ext Time (p_c), s	0.0	2.3			2.5	0.7

Intersection Summary	
HCM 6th Ctrl Delay	11.4
HCM 6th LOS	B

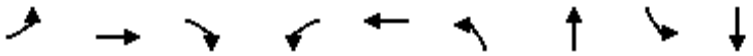
Intersection	
Int Delay, s/veh	2.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	610	6	52	414	33	141
Future Vol, veh/h	610	6	52	414	33	141
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	8	8	8	8	8	8
Mvmt Flow	663	7	57	450	36	153

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	670	0	1006	335
Stage 1	-	-	-	-	667	-
Stage 2	-	-	-	-	339	-
Critical Hdwy	-	-	4.26	-	6.96	7.06
Critical Hdwy Stg 1	-	-	-	-	5.96	-
Critical Hdwy Stg 2	-	-	-	-	5.96	-
Follow-up Hdwy	-	-	2.28	-	3.58	3.38
Pot Cap-1 Maneuver	-	-	877	-	228	644
Stage 1	-	-	-	-	456	-
Stage 2	-	-	-	-	676	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	877	-	208	644
Mov Cap-2 Maneuver	-	-	-	-	331	-
Stage 1	-	-	-	-	456	-
Stage 2	-	-	-	-	617	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.3	15
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	546	-	-	877	-
HCM Lane V/C Ratio	0.346	-	-	0.064	-
HCM Control Delay (s)	15	-	-	9.4	0.3
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	1.5	-	-	0.2	-

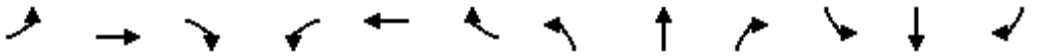


Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	8	466	827	174	335	526	1027	114	538
v/c Ratio	0.11	1.08	1.08	0.57	0.28	0.97	0.75	0.66	0.83
Control Delay	65.3	114.0	74.9	64.1	30.2	75.0	34.2	73.8	61.6
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	65.3	114.0	74.9	64.1	30.2	75.0	34.2	73.8	61.6
Queue Length 50th (ft)	7	~431	~408	72	95	428	344	92	226
Queue Length 95th (ft)	26	#709	#701	115	163	#729	479	161	301
Internal Link Dist (ft)		504			382		815		1595
Turn Bay Length (ft)	160			250		210		210	
Base Capacity (vph)	231	430	763	792	1215	545	1363	272	815
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.03	1.08	1.08	0.22	0.28	0.97	0.75	0.42	0.66

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	7	424	753	158	248	56	479	566	369	104	480	10
Future Volume (veh/h)	7	424	753	158	248	56	479	566	369	104	480	10
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841	1841
Adj Flow Rate, veh/h	8	466	0	174	273	62	526	622	0	114	527	0
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	4	4	4	4	4	4	4	4	4	4	4	4
Cap, veh/h	14	464		239	891	199	552	1444		140	623	
Arrive On Green	0.01	0.25	0.00	0.07	0.31	0.31	0.31	0.41	0.00	0.08	0.18	0.00
Sat Flow, veh/h	1753	1841	1560	3401	2833	632	1753	3589	0	1753	3589	0
Grp Volume(v), veh/h	8	466	0	174	167	168	526	622	0	114	527	0
Grp Sat Flow(s),veh/h/ln	1753	1841	1560	1700	1749	1716	1753	1749	0	1753	1749	0
Q Serve(g_s), s	0.5	30.0	0.0	6.0	8.6	8.9	34.9	15.1	0.0	7.6	17.3	0.0
Cycle Q Clear(g_c), s	0.5	30.0	0.0	6.0	8.6	8.9	34.9	15.1	0.0	7.6	17.3	0.0
Prop In Lane	1.00		1.00	1.00		0.37	1.00		0.00	1.00		0.00
Lane Grp Cap(c), veh/h	14	464		239	550	540	552	1444		140	623	
V/C Ratio(X)	0.58	1.00		0.73	0.30	0.31	0.95	0.43		0.82	0.85	
Avail Cap(c_a), veh/h	251	464		858	559	548	589	1444		295	882	
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	58.8	44.5	0.0	54.2	30.9	31.0	39.9	24.9	0.0	53.9	47.3	0.0
Incr Delay (d2), s/veh	13.8	42.7	0.0	3.2	0.1	0.1	25.0	0.1	0.0	4.3	3.9	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	19.1	0.0	2.7	3.7	3.7	18.7	6.3	0.0	3.5	7.9	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	72.6	87.2	0.0	57.4	31.0	31.1	64.9	25.0	0.0	58.2	51.2	0.0
LnGrp LOS	E	F		E	C	C	E	C		E	D	
Approach Vol, veh/h		474			509			1148			641	
Approach Delay, s/veh		87.0			40.1			43.3			52.5	
Approach LOS		F			D			D			D	

Timer - Assigned Phs	1	2	3	4	5	6	7	8
Phs Duration (G+Y+Rc), s	42.9	26.7	6.4	42.9	15.0	54.6	13.8	35.5
Change Period (Y+Rc), s	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Max Green Setting (Gmax), s	40.0	30.0	17.0	38.0	20.0	44.0	30.0	30.0
Max Q Clear Time (g_c+I1), s	36.9	19.3	2.5	10.9	9.6	17.1	8.0	32.0
Green Ext Time (p_c), s	0.5	1.8	0.0	1.3	0.1	3.0	0.4	0.0

Intersection Summary	
HCM 6th Ctrl Delay	52.3
HCM 6th LOS	D

Notes

Unsignalized Delay for [NBR, EBR, SBR] is excluded from calculations of the approach delay and intersection delay.

Intersection	
Int Delay, s/veh	5.7

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	20	0	15	8	3	28	5	1381	45	31	1350	20
Future Vol, veh/h	20	0	15	8	3	28	5	1381	45	31	1350	20
Conflicting Peds, #/hr	0	0	0	0	0	0	1	0	0	0	0	1
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	100	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	98	98	98	98	98	98	98	98	98	98	98	98
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	2
Mvmt Flow	20	0	15	8	3	29	5	1409	46	32	1378	20

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2169	2918	700	2195	2905	728	1399	0	0	1455	0	0
Stage 1	1453	1453	-	1442	1442	-	-	-	-	-	-	-
Stage 2	716	1465	-	753	1463	-	-	-	-	-	-	-
Critical Hdwy	7.58	6.58	6.98	7.58	6.58	6.98	4.18	-	-	4.18	-	-
Critical Hdwy Stg 1	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.54	4.04	3.34	3.54	4.04	3.34	2.24	-	-	2.24	-	-
Pot Cap-1 Maneuver	26	15	377	24	15	361	474	-	-	451	-	-
Stage 1	134	190	-	136	192	-	-	-	-	-	-	-
Stage 2	383	187	-	363	188	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	~ 19	14	377	22	14	361	474	-	-	451	-	-
Mov Cap-2 Maneuver	~ 19	14	-	22	14	-	-	-	-	-	-	-
Stage 1	133	176	-	135	190	-	-	-	-	-	-	-
Stage 2	343	185	-	324	174	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	$ 300.3	147.3	0	0.3
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	474	-	-	19	377	59	451	-	-
HCM Lane V/C Ratio	0.011	-	-	1.074	0.041	0.675	0.07	-	-
HCM Control Delay (s)	12.7	-	-	$ 514.2	15	147.3	13.6	-	-
HCM Lane LOS	B	-	-	F	C	F	B	-	-
HCM 95th %tile Q(veh)	0	-	-	2.9	0.1	2.8	0.2	-	-

Notes			
~: Volume exceeds capacity	$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

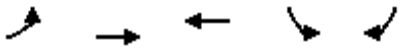
Intersection	
Int Delay, s/veh	1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	3	0	29	3	1	17	11	1389	9	48	1331	2
Future Vol, veh/h	3	0	29	3	1	17	11	1389	9	48	1331	2
Conflicting Peds, #/hr	1	0	0	0	0	1	1	0	0	0	0	1
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	25	-	-	-	-	-	-	150	-	-
Veh in Median Storage, #	-	0	-	-	1	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	4	4	4	4	4	4	4	4	4	4	4	4
Mvmt Flow	3	0	31	3	1	18	12	1494	10	52	1431	2

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2310	3065	718	2343	3061	753	1434	0	0	1504	0	0
Stage 1	1537	1537	-	1523	1523	-	-	-	-	-	-	-
Stage 2	773	1528	-	820	1538	-	-	-	-	-	-	-
Critical Hdwy	7.58	6.58	6.98	7.58	6.58	6.98	4.18	-	-	4.18	-	-
Critical Hdwy Stg 1	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.58	5.58	-	6.58	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.54	4.04	3.34	3.54	4.04	3.34	2.24	-	-	2.24	-	-
Pot Cap-1 Maneuver	20	12	367	19	12	348	460	-	-	432	-	-
Stage 1	119	173	-	121	175	-	-	-	-	-	-	-
Stage 2	353	174	-	331	172	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	15	9	367	14	9	348	460	-	-	432	-	-
Mov Cap-2 Maneuver	15	9	-	72	69	-	-	-	-	-	-	-
Stage 1	100	152	-	102	147	-	-	-	-	-	-	-
Stage 2	279	146	-	266	151	-	-	-	-	-	-	-

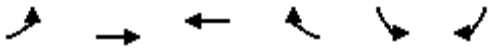
Approach	EB	WB	NB	SB
HCM Control Delay, s	42.5	25.3	0.1	0.5
HCM LOS	E	D		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	460	-	-	15	367	200	432	-	-
HCM Lane V/C Ratio	0.026	-	-	0.215	0.085	0.113	0.119	-	-
HCM Control Delay (s)	13	-	-	$ 301.7	15.7	25.3	14.5	-	-
HCM Lane LOS	B	-	-	F	C	D	B	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0.6	0.3	0.4	0.4	-	-



Lane Group	EBL	EBT	WBT	SBL	SBR
Lane Group Flow (vph)	13	858	716	244	15
v/c Ratio	0.06	0.54	0.50	0.51	0.03
Control Delay	26.6	11.1	12.2	21.5	9.6
Queue Delay	0.0	0.0	0.0	0.0	0.0
Total Delay	26.6	11.1	12.2	21.5	9.6
Queue Length 50th (ft)	3	80	57	52	0
Queue Length 95th (ft)	22	156	175	166	13
Internal Link Dist (ft)		758	217	329	
Turn Bay Length (ft)	180				
Base Capacity (vph)	295	3415	3147	1289	1191
Starvation Cap Reductn	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0
Reduced v/c Ratio	0.04	0.25	0.23	0.19	0.01

Intersection Summary



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	12	798	492	174	227	14
Future Volume (veh/h)	12	798	492	174	227	14
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00			0.98	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1826	1826	1826	1826	1826	1870
Adj Flow Rate, veh/h	13	858	529	187	244	15
Peak Hour Factor	0.93	0.93	0.93	0.93	0.93	0.93
Percent Heavy Veh, %	5	5	5	5	5	2
Cap, veh/h	23	1780	886	312	329	300
Arrive On Green	0.01	0.51	0.35	0.35	0.19	0.19
Sat Flow, veh/h	1739	3561	2592	880	1739	1585
Grp Volume(v), veh/h	13	858	366	350	244	15
Grp Sat Flow(s),veh/h/ln	1739	1735	1735	1645	1739	1585
Q Serve(g_s), s	0.3	6.6	7.1	7.2	5.5	0.3
Cycle Q Clear(g_c), s	0.3	6.6	7.1	7.2	5.5	0.3
Prop In Lane	1.00			0.53	1.00	1.00
Lane Grp Cap(c), veh/h	23	1780	615	583	329	300
V/C Ratio(X)	0.56	0.48	0.60	0.60	0.74	0.05
Avail Cap(c_a), veh/h	337	5040	2520	2390	1474	1343
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	20.3	6.5	10.9	10.9	15.8	13.7
Incr Delay (d2), s/veh	19.1	0.2	0.9	1.0	3.3	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.2	1.6	2.3	2.2	2.1	0.1
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	39.4	6.7	11.8	11.9	19.1	13.8
LnGrp LOS	D	A	B	B	B	B
Approach Vol, veh/h		871	716		259	
Approach Delay, s/veh		7.2	11.9		18.8	
Approach LOS		A	B		B	

Timer - Assigned Phs	1	2			6	8
Phs Duration (G+Y+Rc), s	6.6	20.9			27.5	13.8
Change Period (Y+Rc), s	6.0	6.3			6.3	6.0
Max Green Setting (Gmax), s	8.0	60.0			60.0	35.0
Max Q Clear Time (g_c+I1), s	2.3	9.2			8.6	7.5
Green Ext Time (p_c), s	0.0	5.4			7.6	0.8

Intersection Summary	
HCM 6th Ctrl Delay	10.6
HCM 6th LOS	B

Intersection	
Int Delay, s/veh	0.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	1175	1	7	733	3	7
Future Vol, veh/h	1175	1	7	733	3	7
Conflicting Peds, #/hr	0	1	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	1	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1263	1	8	788	3	8

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1265	0	1675	633
Stage 1	-	-	-	-	1265	-
Stage 2	-	-	-	-	410	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	545	-	86	422
Stage 1	-	-	-	-	229	-
Stage 2	-	-	-	-	638	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	544	-	85	422
Mov Cap-2 Maneuver	-	-	-	-	181	-
Stage 1	-	-	-	-	229	-
Stage 2	-	-	-	-	628	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	17.4
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	302	-	-	544	-
HCM Lane V/C Ratio	0.036	-	-	0.014	-
HCM Control Delay (s)	17.4	-	-	11.7	-
HCM Lane LOS	C	-	-	B	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-

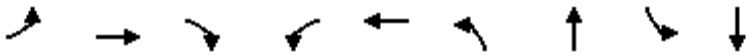
Intersection	
Int Delay, s/veh	4.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	996	29	115	621	45	180
Future Vol, veh/h	996	29	115	621	45	180
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	1	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1083	32	125	675	49	196

Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	1115	0	1687	558
Stage 1	-	-	-	-	1099	-
Stage 2	-	-	-	-	588	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	622	-	85	473
Stage 1	-	-	-	-	281	-
Stage 2	-	-	-	-	518	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	622	-	68	473
Mov Cap-2 Maneuver	-	-	-	-	182	-
Stage 1	-	-	-	-	281	-
Stage 2	-	-	-	-	414	-

Approach	EB	WB	NB
HCM Control Delay, s	0	1.9	34.2
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	358	-	-	622	-
HCM Lane V/C Ratio	0.683	-	-	0.201	-
HCM Control Delay (s)	34.2	-	-	12.2	-
HCM Lane LOS	D	-	-	B	-
HCM 95th %tile Q(veh)	4.8	-	-	0.7	-

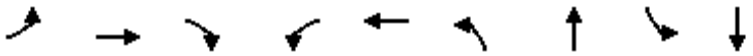


Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	13	243	716	391	459	535	616	113	618
v/c Ratio	0.22	0.74	1.03	0.82	0.41	1.05	0.43	0.71	0.97
Control Delay	78.8	71.8	58.1	76.4	39.0	84.4	26.9	88.5	89.1
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	78.8	71.8	58.1	76.4	39.0	84.4	26.9	88.5	89.1
Queue Length 50th (ft)	12	225	~309	190	166	~333	187	108	316
Queue Length 95th (ft)	37	#346	#566	250	242	#573	259	174	#454
Internal Link Dist (ft)		504			382		815		1595
Turn Bay Length (ft)	160			250		210		210	
Base Capacity (vph)	63	328	696	536	1124	510	1420	212	634
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.21	0.74	1.03	0.73	0.41	1.05	0.43	0.53	0.97

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

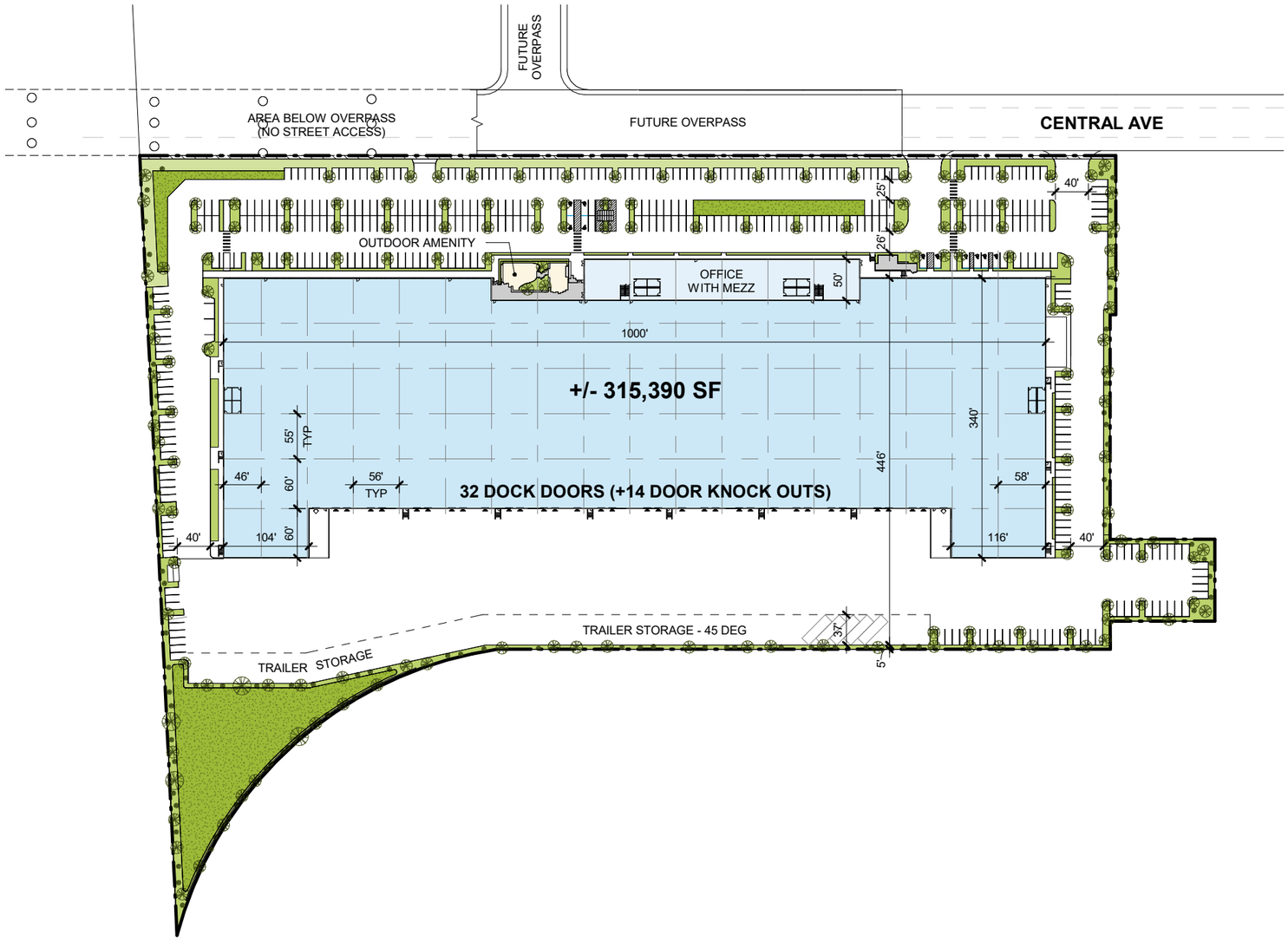


Lane Group	EBL	EBT	EBR	WBL	WBT	NBL	NBT	SBL	SBT
Lane Group Flow (vph)	8	466	827	174	335	526	1027	114	538
v/c Ratio	0.17	0.92	0.94	0.87	0.27	0.98	0.71	0.74	0.93
Control Delay	79.6	75.3	30.1	106.4	32.4	69.5	34.8	92.0	84.7
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	79.6	75.3	30.1	106.4	32.4	69.5	34.8	92.0	84.7
Queue Length 50th (ft)	8	438	235	88	111	~381	395	110	275
Queue Length 95th (ft)	28	#636	#558	#161	167	#629	491	178	#385
Internal Link Dist (ft)		504			382		815		1595
Turn Bay Length (ft)	160			250		210		210	
Base Capacity (vph)	47	535	897	199	1232	536	1438	190	596
Starvation Cap Reductn	0	0	0	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0	0	0	0
Reduced v/c Ratio	0.17	0.87	0.92	0.87	0.27	0.98	0.71	0.60	0.90

Intersection Summary

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.



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MARKETING PLAN

A-7.2

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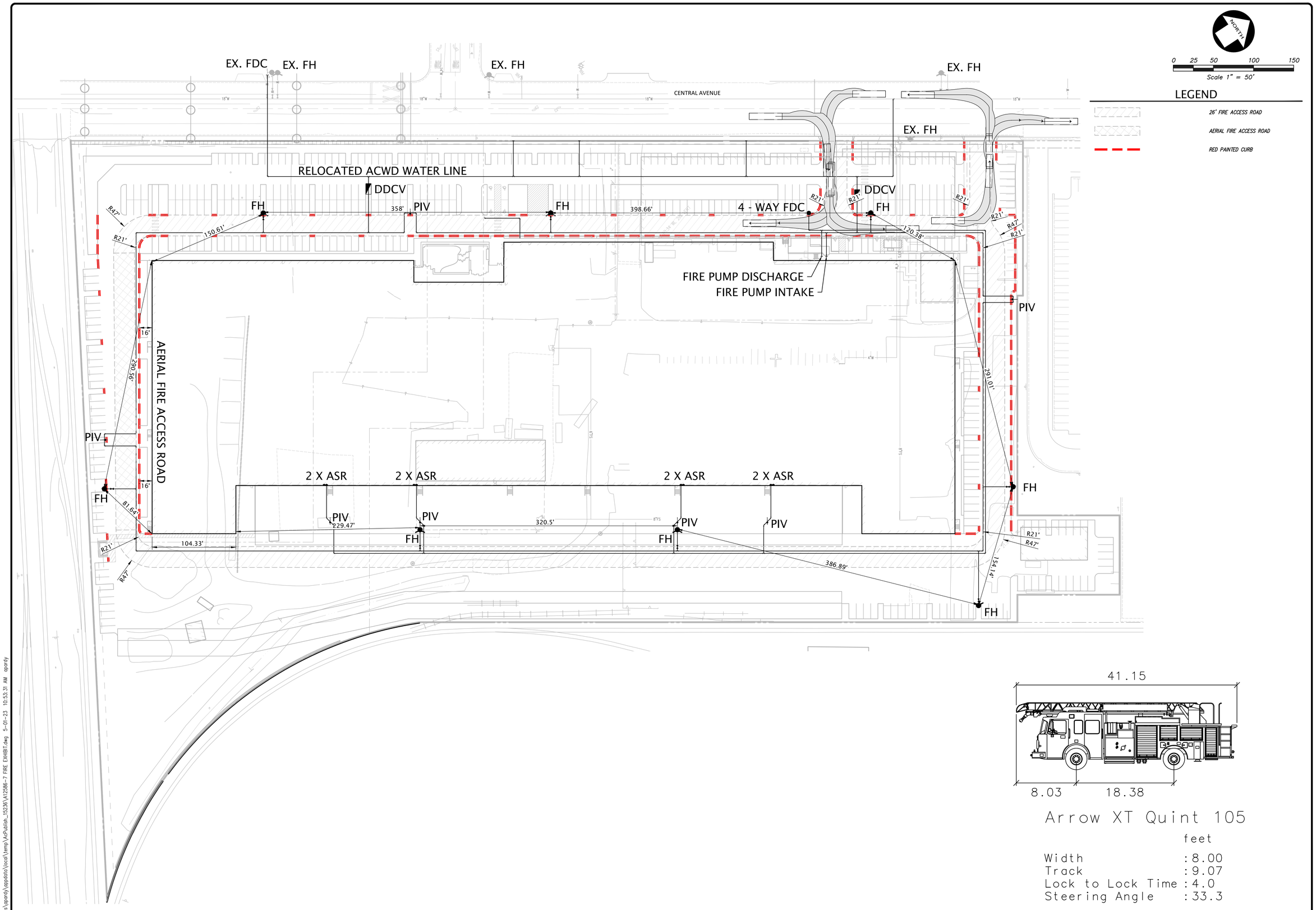

LEGEND

- 26' FIRE ACCESS ROAD
- AERIAL FIRE ACCESS ROAD
- RED PAINTED CURB

Arrow XT Quint 105

	feet
Width	:8.00
Track	:9.07
Lock to Lock Time	:4.0
Steering Angle	:33.3

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FIRE TRUCK EXHIBIT
OF
6750 CENTRAL AVENUE
FOR
PROLOGIS
NEWARK, CALIFORNIA

DATE	MAY 1, 2023
SCALE	AS SHOWN
DESIGNER	AP
DRAWN BY	MRF
JOB NO.	A12586-6
SHEET	EX
OF	1 SHEETS

C:\Users\apardy\appdata\local\temp\AcPublish_15236\A12586-7 FIRE EXHIBIT.dwg 5-01-23 10:53:31 AM apardy

PROLOGIS

SITE SURVEY | SITE BRANDBOOK



AGI

Customer Approval Date

SBA00191
Newark Central Ave Lnd
6750 Central Ave
Newark, CA

PROLOGIS

INDEX

1. Satellite Map

2. Overall Site Plan

3. Inventory Recommendation Detail

4. Code Research

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PROLOGIS

SATELLITE MAP



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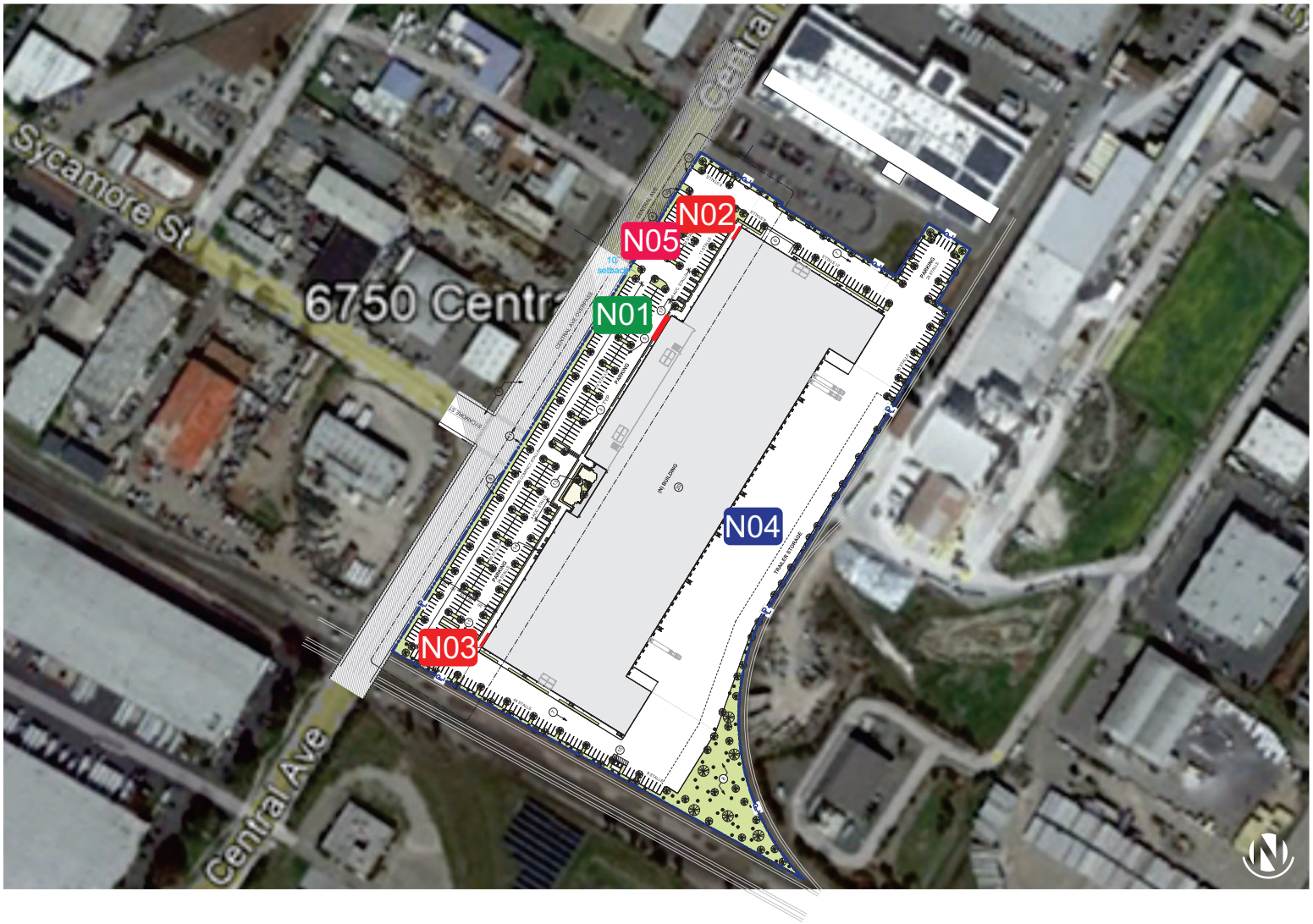
OVERALL SITE PLAN



Building Vertical Monument	Customer Directory	Branded Directional
Gateway Horizontal Monument	Directional	Lease Sign
Loading Dock Numbers	Non-Illuminated Letters	Wall Mount Lease Sign
Face Illuminated Letters	Wall Mount Customer Directory	Vinyl Letters
Address Logo Panel	Customer Owned Wall Sign	

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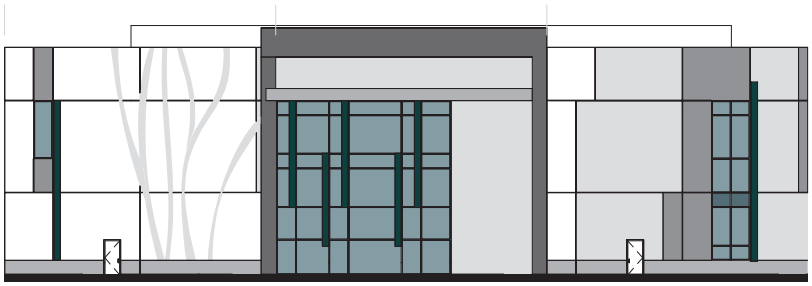
INVENTORY REC DETAIL N01

EXISTING

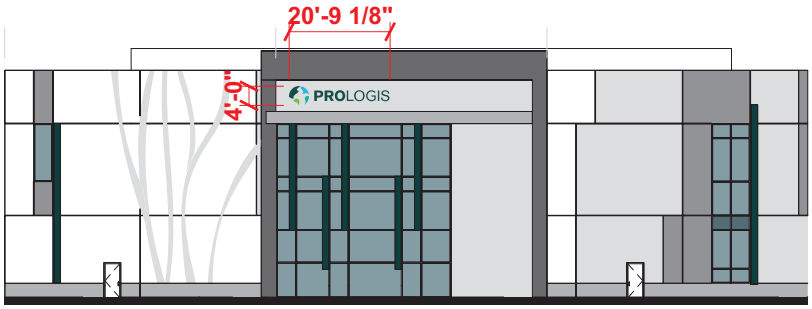


NORTH ELEVATION

Comments

Sign Type	
No Existing Sign	
Sign Text	
N/A	
Overall Height	**Overall Width**
N/A	N/A
Letter Height	**Illumination**
N/A	N/A
Wall Color	**Substrate Material**
N/A	N/A
Available Height	**Available Width**
N/A	N/A

PROPOSED



NORTH ELEVATION

Comments

Proposed Action	Proposed Sign Type
New Install	FIL-48
Description	
Facel Illuminated Letters (FIL) 48" Globe 24" Numbers	
Height	**Width**
4'-0"	20'-9 1/8"
Restoration SOW	**Square Feet**
N/A	83 sq.ft.
Electrical Scope of Work	
N/A	
Landscaping Scope of Work	
N/A	

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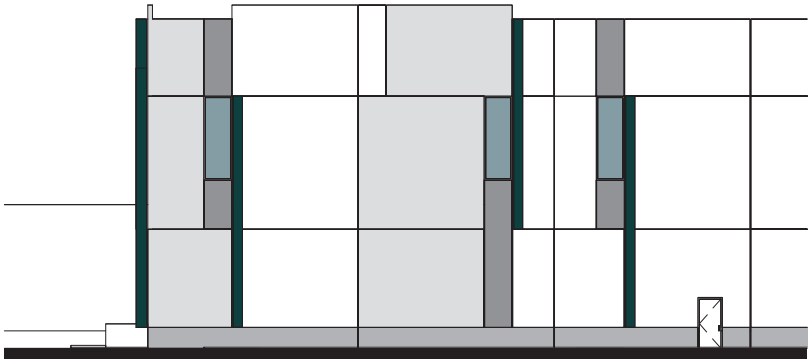
INVENTORY REC DETAIL N02

EXISTING

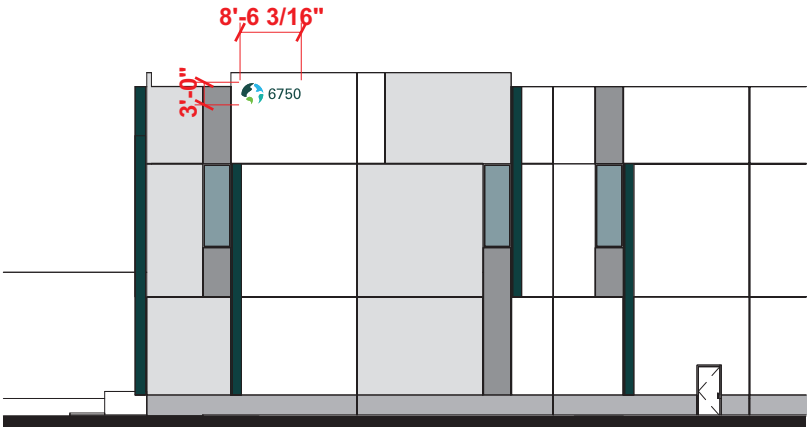


NORTH ELEVATION - NORTHEAST END

Comments

Sign Type	
No Existing Sign	
Sign Text	
N/A	
Overall Height	**Overall Width**
N/A	N/A
Letter Height	**Illumination**
N/A	N/A
Wall Color	**Substrate Material**
N/A	N/A
Available Height	**Available Width**
N/A	N/A

PROPOSED



NORTH ELEVATION - NORTHEAST END

Comments

Proposed Action	Proposed Sign Type
New Install	ALP-36
Description	
Address Logo Panels (ALP) 36" Globe 18" Numbers	
Height	**Width**
3'-0"	8'-6 3/16"
Restoration SOW	**Square Feet**
N/A	25.4 sq.ft.
Electrical Scope of Work	
N/A	
Landscaping Scope of Work	
N/A	

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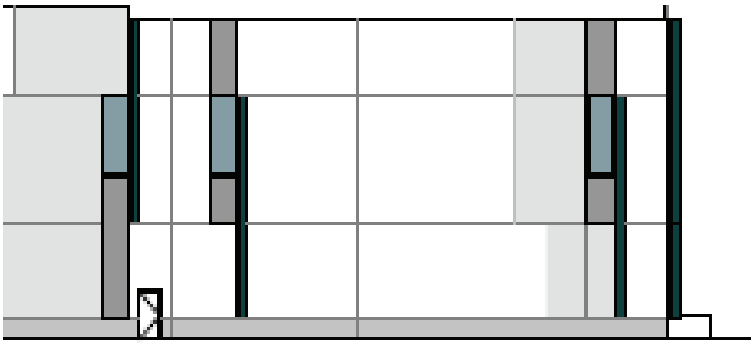
INVENTORY REC DETAIL N04

EXISTING



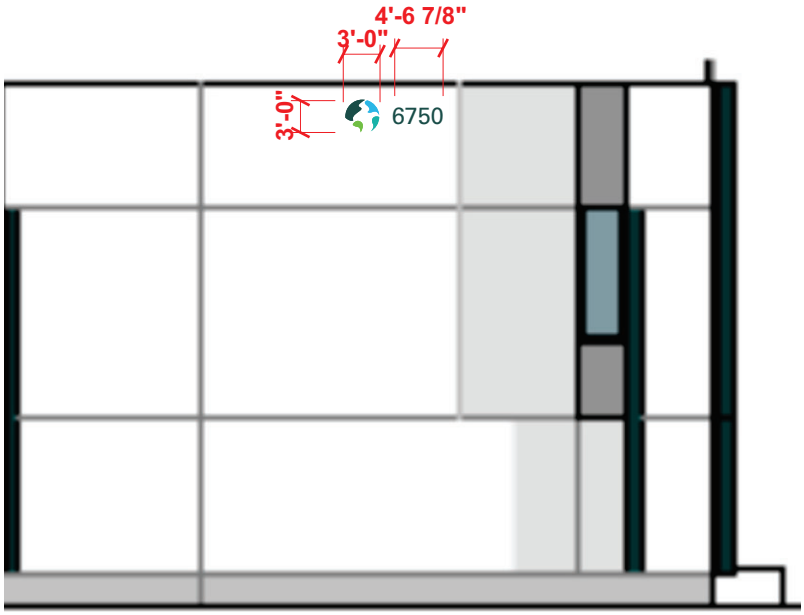
NORTH ELEVATION - SOUTHWEST END

Sign Type
No Existing Sign
Sign Text
N/A

Overall Height	Overall Width
N/A	N/A
Letter Height	**Illumination**
N/A	N/A
Wall Color	**Substrate Material**
N/A	N/A
Available Height	**Available Width**
N/A	N/A

Comments

PROPOSED



NORTH ELEVATION - SOUTHWEST END

Proposed Action	Proposed Sign Type
New Install	ALP-36
Description	
Address Logo Panels (ALP) 36" Globe 18" Numbers	
Height	**Width**
3'-0"	8'-6 3/16"
Restoration SOW	**Square Feet**
N/A	25.4 sq.ft.
Electrical Scope of Work	
N/A	
Landscaping Scope of Work	
N/A	

Comments

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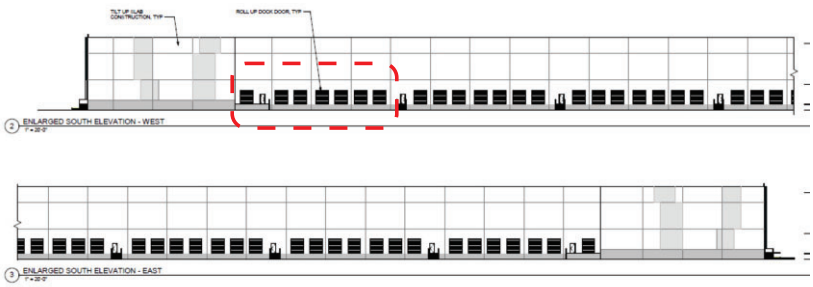
EXISTING

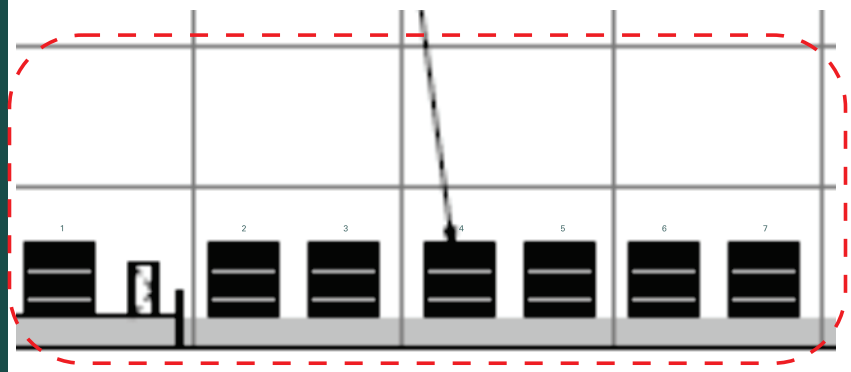


Comments

Sign Type
No Existing Sign
Sign Text
N/A

Overall Height	Overall Width
N/A	N/A
Letter Height	**Illumination**
N/A	N/A
Wall Color	**Substrate Material**
N/A	N/A
Available Height	**Available Width**
N/A	N/A

PROPOSED



Comments

10" Loading Dock Numbers 1-50 L-R, 12" above dock doors.

Proposed Action	Proposed Sign Type
New Install	LDN-10
Description	
Loading Dock Numbers (LDN) 10" Number	
Height	**Width**
10"	N/A
Restoration SOW	**Square Feet**
N/A	N/A
Electrical Scope of Work	
N/A	
Landscaping Scope of Work	
N/A	

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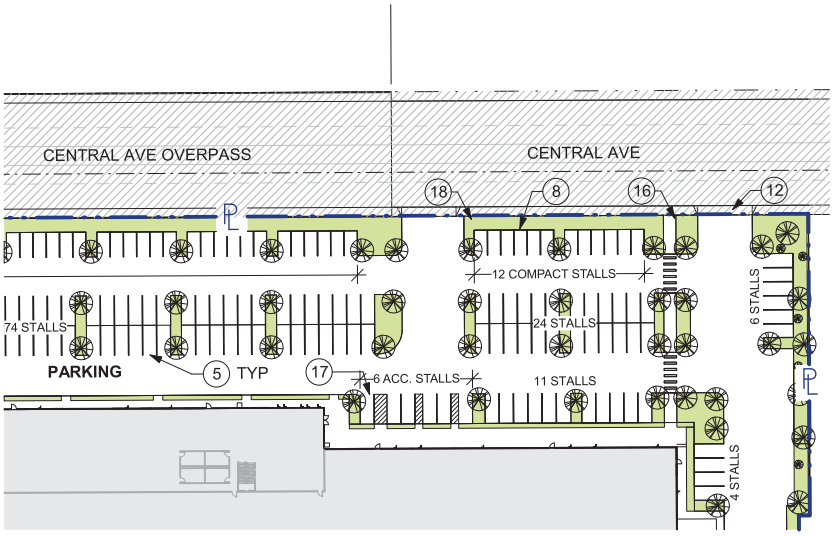
INVENTORY REC DETAIL N05

EXISTING

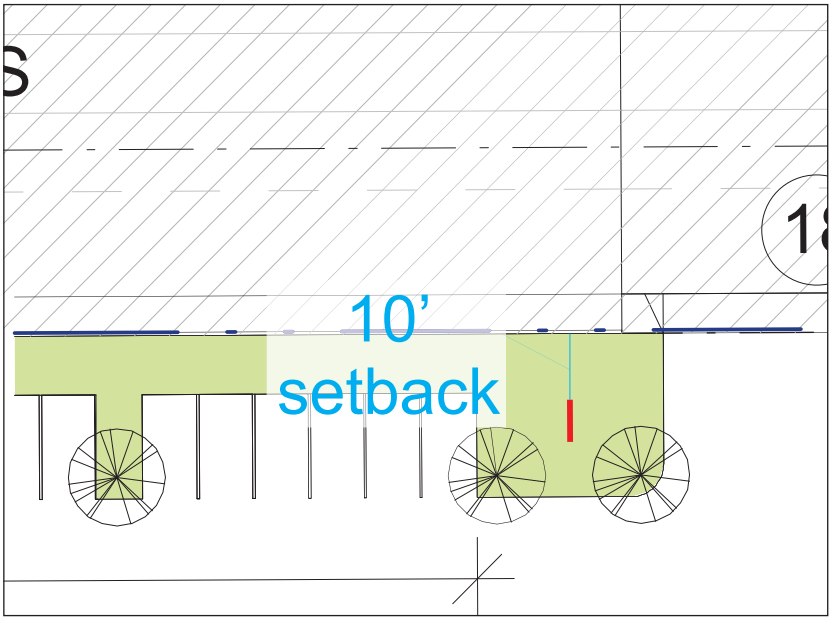


Comments

Sign Type
No Existing Sign
Sign Text
N/A

Overall Height	Overall Width
N/A	N/A
Letter Height	**Illumination**
N/A	N/A
Wall Color	**Substrate Material**
N/A	N/A
Available Height	**Available Width**
N/A	N/A

PROPOSED



Comments

10’ Setback from Property Line

Proposed Action	Proposed Sign Type
New Install	GHM-30
Description	
Gateway Horizontal Monument (GHM) 30 sqft	
Height	**Width**
4’-5”	6’-4 1/2”
Restoration SOW	**Square Feet**
N/A	28.1
Electrical Scope of Work	
N/A	
Landscaping Scope of Work	
N/A	

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6'-4 1/2"
5'-2 3/16"
1'-2 5/16"
BEGINNING OF RADIUS
2 1/2"
5'-11 1/2"
5'-11 3/8"
ACM SLAT
4'-0 3/4"
LOGO
4 11/16"
7 1/4"
1'-6"
9 3/8"
5 1/16"
2 9/16"
4 15/16"
3/4"
2 5/16"
4'-5"
3'-9 3/4"
1'-9 1/2"
3/4"
6 15/16"
PROLOGIS
6750 Central Ave


PROLOGIS
6750 Central Ave

RESOLUTION NO. 2022

RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF NEWARK APPROVING DR2022-010, U2024-001, AND MUP2024-001, A DESIGN REVIEW, CONDITIONAL USE PERMIT, AND MINOR USE PERMIT FOR A NEW INDUSTRIAL BUILDING AND ASSOCIATED ON-SITE IMPROVEMENTS AT 6756 – 6792 CENTRAL AVENUE (APN: 92A-2165-14, -15, -16, AND -17)

WHEREAS, Ryan Marshall, (the "Applicant") and Prologis LP (the "Property Owner"), filed with the City of Newark an application for a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17) (the "Project"); and

WHEREAS, the property at 6756 – 6792 Central Avenue (the "Project site") has a combined lot size of approximately 756,061 square feet (17.4 acres) and has a General Plan Land-Use designation of General Industrial and is currently zoned GI: General Industrial; and

WHEREAS, the Applicant and Property Owner seek a Design Review, which pursuant to Newark Municipal Code (NMC) §17.34.020 is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area. Approval of the Design Review requires the Project to meet the Design Review criteria pursuant to NMC §17.34.060 to the extent that they apply; and

WHEREAS, the Applicant and Property Owner seek a Conditional Use Permit, which pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use requires approval of a Conditional Use Permit. Approval of the Conditional Use Permit requires the Project to meet all the following Use Permit findings pursuant to NMC §17.35.060; and

WHEREAS, the Applicant and Property Owner seek a Minor Use Permit, which pursuant to NMC §17.17.040(A)(2), an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area requires approval of a Minor Use Permit. Approval of the Minor Permit requires the Project to meet all the following Minor Use Permit findings pursuant to NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii); and

WHEREAS, a California Environmental Quality Act (the "CEQA") analysis was prepared as set forth in **Exhibit E** to evaluate the environmental impacts of the Project in accordance with the CEQA Guidelines. With implementation of the applicable mitigation measures identified in the Final Environmental Impact Report (FEIR) for the 2013 General Plan and conditions of approval as set forth in **Exhibit B**, the CEQA analysis determined and demonstrated that the Project is exempt from further environmental review pursuant to CEQA Guidelines Sections 15168 and 15183 and California Public Resources Code Section 21083.3 because the level of

development proposed is within the development assumptions analyzed in the FEIR and the Project is consistent with the General Plan; and

WHEREAS, pursuant to NMC §17.31.060, §17.34.070, and §17.35.050, a public hearing notice was published in The Tri City Voice on June 10, 2025 and mailed as required for a public hearing, and the Planning Commission held a meeting on said application at 7:00 p.m. on June 24, 2025; and

WHEREAS, the Planning Commission held a public hearing on June 24, 2025, and fully considered the Project, entitlements, staff report, findings of fact, conditions of approval, public comments, and all other testimony and evidence presented at the public hearing; and

WHEREAS, the Planning Commission finds that the staff report, exemptions from CEQA, and standards for approval reflect the City's independent judgement and analysis of the Project; and

WHEREAS, the Planning Commission finds that the Project conforms with the City's General Plan and Zoning Code for which are incorporated herein by reference and are available for review at City Hall during normal business hours and on the City's website; and

WHEREAS, the Planning Commission finds that the Project satisfies the requisite findings of fact necessary for approval of the Design Review, Conditional Use Permit, and Minor Use Permit as further explained in the staff report and the findings of fact associated with this Resolution, as identified in "Exhibit A" attached to this Resolution.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Newark as follows:

Section 1. That the forgoing recitals are true and correct and made part of this Resolution.

Section 2. That the Planning Commission hereby makes the necessary findings and determinations required by the NMC to approve the requested Design Review, Conditional Use Permit, and Minor Use Permit for the Project, as further explained in the staff report and findings of fact for approval as set forth in "Exhibit A" attached hereto and incorporated herein by this reference.

Section 3. Based on the findings and determinations, the Planning Commission hereby approves DR2022-010, U2024-001, and MUP2024-001, a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17), subject to the Conditions of Approval, as further set forth in "Exhibit B" attached hereto and incorporated herein by this reference.

This Resolution was introduced at the City of Newark Planning Commission's June 24, 2025 regular meeting by Commissioner Aguilar, seconded by Commissioner Becker, and passed as follows:

AYES: Aguilar, Becker, Bogisich, Dhillon, Fitts

NOES:

ABSENT:

STEVEN TURNER, Secretary

LORI BOGISICH, Chairperson

Attachments
Exhibit A – Findings of Fact
Exhibit B – Conditions of Approval
Exhibit C – Project Narrative
Exhibit D – Project Plans
Exhibit E – CEQA Analysis

Exhibit A

FINDINGS OF FACT

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Design Review Criteria (Newark Municipal Code [NMC] §17.34.060)

A. The overall design of the project including its scale, massing, site plan, exterior design, and landscaping will enhance the appearance and features of the project site and surrounding natural and built environment.

The Project consists of a new industrial building and associated on-site improvements at the site located at 6756 – 6792 Central Avenue. The new industrial building will consist of a contemporary style design that will provide a variety architectural features, design elements, colors, and materials. The height of the new building will be 49'-6", measured from grade to the top of the parapet.

The new on-site improvements, which include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, employee open space area, site lighting, fencing, vehicular gates, truck courtyard area, and trailer storage area, will complement the architecture of the new industrial building. The Project will enhance the site and will be compatible with the characteristics of the surrounding environment. Additionally, the Project will respect the surrounding development pattern. Overall, the Project's design will be complementary to the area.

This finding can be made in the affirmative.

B. The project design is appropriate to the function of the project and will provide an attractive and comfortable environment for occupants, visitors, and the general community.

As proposed, the new industrial building is considered a speculative building with no tenants. The Project Narrative stated, "Prologis, the Project Sponsor and Owner of the property, is proposing to demolish approximately 113,500 square feet of obsolete industrial buildings on site to construct a new industrial warehouse facility that can accommodate numerous uses that meet both the City and Prologis' interests". This includes advanced manufacturing uses and research and development uses, which are permitted uses in the GI Zoning District.

The Project was carefully designed to ensure compatibility with and complement the site and surrounding areas while providing a comfortable environment for occupants, visitors, and the general community. The Project will be attractive and appropriate for the neighborhood. Therefore, the proposed improvements are suitable in a manner that respects the general character of the neighborhood.

This finding can be made in the affirmative.

C. Project details, materials, signage and landscaping, are internally consistent, fully integrated with one another, and used in a manner that is visually consistent with the proposed architectural design.

The Project is suitable for the site and compatible with the existing site conditions. The application of high-quality and complementary materials and the color palette help distinguish the different areas of the building. The new industrial building and on-site improvements will fully integrate with each other and contribute positively to the site and neighborhood. Overall, the Project incorporates design elements that relate to each other and lend integrity and balance to the site.

This finding can be made in the affirmative.

D. The design of streetscapes, including street trees, lighting, and pedestrian furniture, is consistent with the intended character of the area.

The Project consists of improvements to the site and the streetscape, which includes the driveway curb cuts and landscape areas at the front of the property along Central Avenue. Currently, there are no sidewalks at the front of the property along Central Avenue. However, sidewalks will be proposed along the project frontage on Central Avenue. As part of the Planning Division's and Engineering Division's conditions of approval, the applicant will revise the Project plans to show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

Overall, the improvements complements the new industrial building and responds to the intended character of the area.

This finding can be made in the affirmative.

E. Parking areas are designed and developed to buffer surrounding land uses; compliment pedestrian-oriented development; enhance the environmental quality of the site, including minimizing stormwater run-off and the heat-island effect; and achieve a safe, efficient, and harmonious development.

The new on-site improvements, which include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, employee open space area, site lighting, fencing, vehicular gates, truck courtyard area, and trailer storage area will be designed to be harmonious with the site. The Project will provide a total of 396 on-site parking spaces, which meets the minimum required number of on-site parking spaces per the Zoning Code.

The Project will enhance the environmental quality of the site by including new bioretention areas for storm-water purposes. Also, the addition of the new landscape areas will address the heat island effect while enhancing the overall appearance of the site. Overall, the Project will be designed to achieve a safe, efficient, and harmonious development.

This finding can be made in the affirmative.

F. Lighting and lighting fixtures are designed to complement buildings, be of appropriate scale, provide adequate light over walkways and parking areas to create a sense of pedestrian safety, and avoid creating glare.

The Project proposes new exterior light fixtures around the building and site. The proposed exterior light fixtures will comply with NMC §17.17.060. Any other lighting not covered under this design review entitlement is subject to regulations specified in NMC §17.17.060 - Lighting and Illumination.

This finding can be made in the affirmative.

G. Landscaping is designed to be compatible with and enhance the architectural character and features of the buildings on site and help relate the building to the surrounding landscape.

The Project proposes new landscaping on site. The new landscaping will be designed to be compatible with and enhance the architectural character and features of the site. The Project has been conditioned to require all landscaping to be maintained in healthy growing condition and that plantings be replaced with other plant materials to ensure continued compliance with the applicable landscaping regulations in NMC Chapter 17.21.

This finding can be made in the affirmative.

Conditional Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

The Project requires approval of a Conditional Use Permit to allow for an "indoor warehousing and storage" use and a "wholesaling and distribution" use in the GI Zoning District. The Project has been evaluated and will be substantially in compliance with the applicable provisions of the Zoning Code. Additionally, the Project has been found to be consistent with the type of uses found in the GI Zoning District and will be compatible with the surrounding industrial uses in the nearby area.

This finding can be made in the affirmative.

B. The proposed use is consistent with the general plan and any applicable specific plan.

The Project site has a General Plan Land Use designation of General Industrial. The Project will be consistent with many of Newark's General Plan policies including, but not limited to:

- ***Policy LU-1.5 -** Technology Focus. Promote the city as a good location for technology businesses and clean industry, capitalizing on Newark's location within Silicon Valley.*

- ***Policy LU-1.17** - Sustainable Development Emphasis. Ensure that new development incorporates green building and sustainable design principles and encourage renovation of existing development to use water and energy more efficiently.*

- ***Policy ED-3.1*** *- Industrial Land Supply. Maintain a sufficient supply of land for office and industrial uses to generate high quality, high paying jobs and to meet the city's economic development goals. Focus office and industrial development on technology uses and other activities that will generate high wage employment.*

- ***Policy ED-3.7 -*** *Industrial Redevelopment. Encourage property owners to redevelop industrial sites and buildings when the proposed redevelopment will generate high-quality and high-paying jobs. Likewise, support the refurbishing of such spaces for continued use as general industrial properties.*

- ***Policy ED-4.4*** *- Affordable Industrial Space. Continue to support and foster the growth of general industrial uses, such as warehouse and distribution centers and manufacturing, in the Cherry Street and Central Avenue corridors and other areas designated for "General Industrial" uses on the Land Use Diagram.*

This finding can be made in the affirmative.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

As proposed, the new industrial building is considered a speculative building with no tenants. The Project will not be adverse to the public health, safety, or general welfare of the community or surrounding properties in that the Project site is mainly surrounded by industrial uses.

This finding can be made in the affirmative.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

The Project would replace an existing warehouse building and uncovered storage yards, which is anticipated to be assessed with a higher property tax base for the property. As proposed, the new industrial building is considered a speculative building with no tenants. The Applicant has presented to Staff a Fiscal Analysis of the Project. Based on that Analysis and depending on the use that occupies the building, it is anticipated that the Project will exceed the cost of City services.

This finding can be made in the affirmative.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

The proposed "indoor warehousing and storage" use and "wholesaling and distribution" use is allowed with the approval of a Conditional Use Permit under the GI Zoning District. The

Project adheres to the development standards within the GI Zoning District, such as setbacks, height, and parking requirements. The new building's contemporary style design is compatible with the adjacent buildings and does not appear to have a negative effect on the adjacent properties or the surrounding area. Overall, the Project will comply with the development standards applicable to the Zoning District.

This finding can be made in the affirmative.

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

The Project's contemporary style design will be compatible with the surrounding area. As conditioned, the Project will not interfere with operations/businesses in this zone. Also, the Project will not deviate from the intent of district's development standards. Therefore, the design, location, size, and operating characteristics of the Project will be compatible with the existing and foreseeable future land uses in the vicinity.

This finding can be made in the affirmative.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

The Project site will be suitable to accommodate the Project as it will provide upgrades to the existing site conditions. The Project will enhance the overall appearance of the site, while respecting the surrounding development pattern. The Project will continue to provide access and utilities on the site.

This finding can be made in the affirmative.

Minor Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

The maximum height for fencing within the required front setback area is 3 feet. Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing in non-residential districts requires approval of a Minor Use Permit. The Applicant requests approval of a Minor Use Permit to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet within the minimum required 10-foot front setback area.

The Project will be in compliance with the applicable provisions of Title 17 – Zoning, which includes meeting the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). Overall, the Project has been evaluated and will be substantially in compliance with the applicable provisions of the Zoning Code.

This finding can be made in the affirmative.

B. The proposed use is consistent with the general plan and any applicable specific plan.

The Project site has a General Plan Land Use designation of General Industrial. The Project is consistent with the general plan. The additional height to the fence will allow for the new industrial building's occupants to operate safely. Additionally, the Project will not alter the respective land-use designation.

This finding can be made in the affirmative.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

The Project includes an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet in the minimum 10-foot front setback area. The location of the new fencing will be adjacent to the Union Pacific Railroad. The Project will not detract from the overall appearance of the neighborhood. Overall, the Project will not be adverse to the public health, safety, or general welfare of the community nor detrimental to surrounding properties or improvements.

This finding can be made in the affirmative.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

The additional height increase to the new prefinished vertical tube steel fencing will not materially impact the City's tax revenue, nor will it additionally strain City services. The Project, in total, would replace an existing warehouse building and uncovered storage yards, which is anticipated to be assessed with a higher property tax base for the property.

This finding can be made in the affirmative.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

The additional height increase to the new fencing is allowed subject to meeting the applicable provisions of Title 17 – Zoning, which includes meeting the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). The new fencing is 6 feet in height and consist of a prefinished vertical tube steel material. Overall, the Project will comply with the development standards applicable to the Zoning District. The Project's design will be complementary to the area and does not appear to have a negative effect on the adjacent properties nor the surrounding area.

This finding can be made in the affirmative.

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

The additional height increase to the new fencing will not interfere with the other industrial uses in this zone. Additionally, the Project will not deviate from the intent of district's development standards. Therefore, the design of the Project will be compatible with the existing and foreseeable future land uses in the vicinity.

This finding can be made in the affirmative.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

The Project site and the additional height increase to the new fencing will be suitable to accommodate the Project as it will upgrade the existing site conditions. The Project will enhance the overall appearance of the site, while respecting the surrounding development pattern. The Project will continue to provide access and utilities on the site.

This finding can be made in the affirmative.

Minor Use Permit Findings for Additional Fence Height (NMC §17.17.040(A)(1)(a)(ii))

A. The additional fence height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

The Project includes an additional height increase to the new fencing to be 6 feet in the minimum 10-foot front setback area. The additional height increase will consist of a prefinished vertical tube steel material that meets the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). The Project site is not abutting residential structures. The location of the new fencing will be adjacent to the Union Pacific Railroad. Therefore, the additional height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

This finding can be made in the affirmative.

B. The additional fence height will not detract from the overall appearance of the neighborhood.

The additional height to the new fencing will be a prefinished vertical tube steel fencing material. The location of the new fencing will be adjacent to the Union Pacific Railroad. The design of the new fencing will allow for the Project to be seamlessly integrated into the neighborhood. Therefore, the additional height will not detract from the overall appearance of the neighborhood.

This finding can be made in the affirmative.

C. The additional fence height is not detrimental to the health, safety, and welfare of people living in the neighborhood.

The additional height of the new fencing will be consistent with the height of the other new fencing that is located adjacent to the Union Pacific Railroad. The new fencing will be of an aesthetically pleasing design that blends in with the property and surrounding area. Additionally, there is no evidence to suggest that the additional height will cause any harm to the community. Therefore, the additional height will not be detrimental to the health, safety, and welfare of people living in the neighborhood.

This finding can be made in the affirmative.

California Environmental Quality Act (CEQA) Categorical Exemption Findings

The Project is eligible for the following CEQA exemptions:

- ***Consistency with Program EIR.*** *The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the Project would not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2013 FEIR). No further environmental review is required.*

- ***Community Plan Exemption.*** *Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR. The Project is exempt from further CEQA review since it is consistent with the General Plan.*

The Project is within the scope of development projected under the General Plan for which an EIR was certified in 2013. The Project will implement applicable mitigation measures identified in the 2013 FEIR. In addition, the Project will be required to comply with applicable conditions of approval (**Attachment 1, Exhibit B**) and is subject to uniformly applied development standards. With implementation of required mitigation measures and conditions of approval, the Project will not result in a substantial increase in the severity or significant impacts that were previously identified in the program level EIR, nor will the Project introduce any new significant impacts that were not previously identified. Therefore, there will be no additional environmental impacts beyond those analyzed in the 2013 FEIR.

Exhibit B

CONDITIONS OF APPROVAL

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Planning Division

a. A building permit shall be required prior to the construction of the Project. The building permit plans shall be substantially consistent with the approved plans (see **Attachment 1, Exhibit D**), or as otherwise required by these conditions of approval.

b. These conditions of approval shall be printed on the building-permit drawings associated with this Project.

c. A Planning Final shall be required prior to the Final Building Inspection.

d. The applicant/property owner/business operator/developer shall comply with any and all applicable federal, state, or local laws and regulations.

e. The building permit plans shall demonstrate compliance with the enclosure pad, bumpers, clear zone, and drainage requirements for the trash enclosure as outlined in NMC §17.17.120(B)(2).

f. Any revisions to the proposed garbage, refuse and recycling service pick up plan shall require review and approval by Republic Services and the Community Development Director, prior to the issuance of a building permit. No refuse, garbage or recycling shall be stored outdoors except within the approved trash enclosure.

g. The building permit plans shall show the removal of the new chain link fencing along the front (southwestern) property line as part of the building permit submittal.

h. The building permit plans shall show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

i. The Landscape Plans (Sheet LC1.1) shall show the correct design of the driveway curb cuts.

j. The building permit plans shall show the 32 dock doors with two grade-level doors and 14 door knockouts.

k. Any proposed changes to the design of the new industrial building that include the conversion of the additional door knockouts to dock doors for an "indoor warehousing and storage" use and/or a "wholesaling and distribution" use shall require Planning Commission review and approval.

l. All other proposed changes from approved exhibits shall be submitted to the Community

Development Director who shall decide if they warrant Planning Commission review and, if so decided, said changes shall be submitted for the Commission's review and decision. The applicant and/or property owner shall pay the prevailing fee for each additional separate submittal of project exhibits requiring Planning Commission and/or City Council review and approval.

m. Prior to the issuance of a Certificate of Occupancy, the parking areas, aisles and access drives shall be installed and striped as shown on the approved site plan.

n. If any of the conditions of approval are not incompliance and/or have been substantially expanded beyond the Project's approval regarding parking, on-site circulation and/or traffic , the Community Development Director shall review and decide how to mitigate those issues. A parking, on-site circulation and/or traffic analysis shall be prepared at the discretion of the Community Development Director and the cost of the applicant and/or property owners. The applicant and/or property owners shall mitigate any issues identified by the parking, on-site circulation and/or traffic study. If the applicant does not mitigate these issues, the entitlements may be referred to the Planning Commission for determination if the entitlements are to be revoked.

o. Parking lot cleaning with sweeping or vacuum equipment shall not be permitted between 7:00 p.m. and 7:00 a.m.

p. All landscaping shall be maintained in healthy growing condition. Wherever necessary, plantings shall be replaced with other plant materials to ensure continued compliance with the applicable landscaping regulations in NMC Chapter 17.21.

q. All exterior utility pipes and meters shall be painted to match and/or complement the color of the adjoining building surface, as approved by the Community Development Director.

r. All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 - Lighting and Illumination. All exterior lighting shall be directed on-site so as not to create glare off-site.

s. All mechanical and electrical equipment (e.g., transformer, generator, roof equipment, etc.) shall meet the screening requirements in NMC §17.17.100 - Screening. Mechanical and electrical equipment such as air conditioners (AC) units shall not be placed in the front or street side yard. If equipment is placed in any other location that makes it visible to public view, the equipment shall be properly screened with solid material pursuant to the regulations in NMC §17.17.100 - Screening.

t. The Project shall comply with all applicable noise standards in the NMC and General Plan, including, but not limited to NMC §17.24.100 - Noise. This includes all mechanical and electrical equipment.

u. All construction noise activity shall abide by NMC §17.24.100 - Noise.

v. Construction equipment, including compressors, generators and mobile equipment shall be

fitted with heavy-duty mufflers designed to reduce noise impacts.

w. The Project shall comply with the conditions outlined in the Acoustical Assessment prepared by Kimly Horn dated December 2023, or as amended.

x. The Project shall implement the Project Design Features from the Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis prepared by FirstCarbon Solutions dated July 19, 2024, or as amended, which includes:

PDF AIR-1 Prohibition of Cold Storage Use and Transport Refrigeration Units
The project operation would address any potential Transport Refrigeration Unit usage by requiring the following:

- Contractual language in all tenant lease agreements that will prohibit tenants from operating Transport Refrigeration Units (TRUs) within the project site.
- Requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.
- The application of any future requests for cold storage and associated TRU usage to include an analysis which requires the modeling and a Health Risk Assessment of air toxic contaminants emitted from operation of these TRUs. The results of such analysis must demonstrate that the operation of TRUs would not result in a significant health impact as defined by BAAQMD thresholds.

PDF AIR-2 All-Electric Design

- Prior to issuance of building permits, the project applicant shall provide documentation (e.g., site plan) to the City to demonstrate that the proposed industrial development does not include natural gas appliances or natural gas plumbing.

PDF AIR-3 Use of Tier 4 Construction Equipment

- Prior to the issuance of any demolition, grading, or building permits (whichever occurs earliest), the project applicant and/or construction contractor shall prepare a construction operations plan that, during construction activities, requires all off-road equipment with engines greater than 50 horsepower to meet particulate matter emissions standards for Tier 4 Interim engines at the minimum. The construction contractor shall maintain records documenting its efforts to comply with this requirement, including equipment lists. Off-road equipment descriptions and information shall include, but are not limited to, equipment type, equipment manufacturer, equipment identification number, engine model year, engine certification (Tier rating), horsepower, and engine serial number. The project applicant and/or construction contractor shall submit the construction operations plan and records of compliance to the City

y. Prior to the installation of any signage, the applicant and/or property owners shall submit a

Sign Permit Application to the Planning Division for review and approval. Signage, including freestanding signs and wall signs, shall comply with Chapter 17.25 – Signage Standards.

z. Prior to the issuance of grading and site work permit(s), mailbox locations and designs shall be approved by the Community Development Director and Newark Postmaster, in that order.

aa. Prior to issuance of a grading permit, the applicant shall hire a qualified biologist to: (1) determine if occupied Burrowing Owl habitat(s) exist on the site, and (2) implement a plan to protect the owls and to excavate the site around any active burrows using hand tools to assure that the owls are not buried during grading in the event Burrowing Owl habitat(s) is found on the site. The occupied Burrowing Owl habitat(s), if found, shall not be disturbed during the nesting season. The Burrowing Owl study shall be conducted not more than 30 days prior to the time site grading activities will commence.

bb. The site and its improvements shall be maintained in a neat and presentable condition, to the satisfaction of the Community Development Director. This shall include, but not limited to, repainting surfaces damaged by graffiti, site clean-up, and maintenance of the landscaping areas. Graffiti removal/repainting, site clean-up, and maintenance of the landscaping areas shall occur on a continuing, as needed basis.

cc. Construction site trailers and buildings located on-site shall be used for office and storage purposes only and shall not be used for living or sleeping quarters. Any vehicle or portable building brought on the site during construction shall remain graffiti free.

dd. Prior to the issuance of a building permit, the applicant, property owners, and/or developer shall pay the City's impact fees in effect as well as the Community Development Maintenance Fee. The impact fees shall be based on the new building square footage for the Project.

ee. The applicant shall work with the City on the public art installation for the Project as part of the building permit submittal. The Project shall be waived from paying the Art in Public Places and Private Development fee if public art is installed.

ff. The Project sponsor shall require construction contractors to implement the following applicable BAAQMD Basic Construction Mitigation Measures to reduce emissions of fugitive dust and equipment exhaust.

gg. Measures to respond to and track complaints pertaining to construction noise shall include: (1) a procedure and phone numbers for notifying the City of Newark Building Inspection Division and Newark Police Department (during regular construction hours and off-hours); and (2) a sign posted on-site pertaining to the permitted construction days and hours and complaint procedures and who to notify in the event of a problem. The sign shall also include a listing of both the City and construction contractor's telephone numbers (during regular construction hours and off-hours).

hh. During project construction, if historic, archeological or Native American materials or artifacts are identified, work within a 50-foot radius of such find shall cease and the City shall retain

the services of a qualified archeologist and/or paleontologist to assess the significance of the find. If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources or similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, the County Coroner shall be contacted immediately, and the provisions of State law carried out.

ii. The City of Newark and its agents, officers, and employees shall be defended, indemnified, and held harmless from any claim, action or proceedings against the City, or its agents, officers, and employees to attach, set aside, void, or annul the approval of this application or the environmental determination which accompanies it, or which otherwise arises out of or in connection with the City's action on this application, including but not limited to, damages, costs, expenses, attorney's fees, or expert witness fees.

jj. The Community Development Director shall interpret applicable requirements in the event of any redundancy or conflict in conditions of approval.

kk. The Community Development Director shall have the right to modify or terminate this Design Review, Conditional Use Permit, and Minor Use Permit at any time if any of the terms of such permit or the conditions of approval for said permit are violated, or for other good cause deemed necessary to maintain or improve the public right-of-way or to preserve and protect the health, safety, and welfare of the public.

ll. If any condition of the entitlements be declared invalid or unenforceable by a court of competent jurisdiction, the entitlements shall terminate and be of no force and effect, at the election of the Planning Commission and/or City Council on motion.

mm. The applicant hereby agrees to defend, indemnify, and save harmless the City of Newark, its Council, boards, commissions, officers, employees and agents, from and against any and all claims, suits, actions, liability, loss, damage, expense, cost (including, without limitation, attorneys' fees, costs and fees of litigation) of every nature, kind or description, which may be brought by a third party against, or suffered or sustained by, the City of Newark, its Council, boards, commissions, officers, employees or agents to challenge or void the permit granted herein or any California Environmental Quality Act determinations related thereto.

nn. In the event that any person should bring an action to attack, set aside, void or annul the City's approval of this project, the applicant shall defend, indemnify and hold harmless the City and/or its agents, officers and employees from any claim, action, or proceeding against the City and/or its agents, officers and employees with counsel selected by the applicant (which shall be the same counsel used by applicant) and reasonably approved by the City. Applicant's obligation to defend, indemnify and hold harmless the City and/or its agents, officers and employees shall be subject to the City's compliance with Government Code Section 66474.9.

oo. The Conditions of Project Approval set forth herein may include certain fees, dedication requirements, reservation requirements and other exactions. Pursuant to Government Code

Section 66020(d)(1), these Conditions constitute written notice of a statement of the amount of such fees, and a description of the dedications, reservations and other exactions. The applicant is hereby further notified that the 90-day approval period in which the applicant may protest these fees, dedications, reservations and other exactions, pursuant to Government Code Section 66020(a), has begun. If the applicant fails to file a protest within this 90-day period complying with all of the requirements of Section 66020, the applicant will be legally barred from later challenging such exactions.

pp. Per NMC §17.31.130, the approval or conditional approval of the Design Review, Conditional Use Permit, and Minor Use Permit shall expire three years from the date the Design Review, Conditional Use Permit, and Minor Use Permit was approved or conditionally approved if it is not exercised or extended within three years of its approval. Additionally, any other permit granted under NMC Title 17 - Zoning, shall automatically expire if it is not exercised or extended within two years of its approval, unless a different time period is specified.

Engineering Division

qq. SUBDIVISION MAPS: The subdivision of land is governed by Newark Municipal Code Title 16, as well as the California Government Code §§66410-66499.85 (Subdivision Map Act). All maps are subject to review and approval by the City Engineer. Recordation of the subdivision map shall be coordinated by the applicant's title company, with one full-sized mylar copy of the recorded map returned to the City.

1. Prior to building permit issuance, the parcel map to merge the four individual parcels into one shall be recorded at the Alameda County Recorders' Office.
2. Coinciding with the Planning Commission's approval of the entitlements, the applicant shall execute the encumbrance documents as listed below, and submit them to the City for review and final execution within ten (10) working days following the expiration of the appeal period. If the project is appealed and requires City Council action on the entitlements, the documents shall be executed and submitted to the City for review and approval within ten (10) working days following City Council approval.

   Upon execution by the City, the documents shall be recorded with the Alameda County Recorder's Office. Exhibit EX-2 shows the conceptual layout of the easements, and the actual dimensions and easements shall be to the satisfaction of the City Engineer.

   i. 14-foot-wide Landscape Easement
   ii. 10-foot-wide Public Service Easement along the project frontage up to the limits of the future Central Avenue overpass improvements where a grade difference between Central Avenue and project site.
   iii. 30-foot-wide Alameda County Water District (ACWD) Waterline Easement as shown on the Exhibit EX-2.
   iv. 30-foot-wide Access Easement to the satisfaction of ACWD.
   v. Three ACWD water lateral easements connecting Central Avenue and the 30-foot-wide Waterline Easement to the satisfaction of ACWD.

vi. ACWD water lateral easement extending southeast direction from the 30-foot-wide ACWD Waterline Easement to the satisfaction of ACWD.
vii. 10-foot-wide Sidewalk and Maintenance Easement to the satisfaction of the City Engineer.
viii. Emergency Vehicle Access Easement as required to the satisfaction of Alameda County Fire Department.
ix. Temporary Construction Easement (TCE) A and TCE B to the satisfaction of the City Engineer.
x. Complete relinquishment of abutter's rights over the frontage of APNs 92A-2165-17 and 92A-2165-16, and a partial relinquishment of abutter's rights over the frontage of APNs 92A-2165-15 and 92A-2165-14 to the satisfaction of the City Engineer.
xi. Reciprocal access, Private Utility Easement, Private Stormdrain Easement, Emergency Vehicle Access Easement (EVAE), Public Utility Easement (PUE), Public Storm Drain Easement, parking easements shall be established in favor of APNs 92A-2165-17 and 92A-2165-16 over APNs 92A-2165-15 and 92A-2165-14, as determined by the final design and to the satisfaction of the City Engineer. This requirement is necessary because the lots will not be merged until the Parcel Map is recorded. Additionally, the complete relinquishment of abutter's rights over the frontage of APNs 92A-2165-17 and 92A-2165-16, and a partial relinquishment of abutter's rights over the frontage of APNs 92A-2165-15 and 92A-2165-14, shall coincide with the Planning Commission's approval of the Entitlements.

3. Concurrent with approval of the Parcel Map, the applicant shall effectuate the removal of any existing easements encumbering the property that conflict with areas proposed for improvement. Elimination or modification of existing easements on the site requires approval from the respective utility district or company and the City of Newark. Easement modifications and removals shall be performed with the Parcel Map.
4. Along with the Parcel Map application, a complete improvement plan set shall be submitted to the Engineering Division for review and approval to ensure conformance with relevant codes, policies, and other requirements of the Newark Municipal Code and City of Newark Street improvement standards. These plans shall be prepared by a qualified person licensed by the State of California to do such work. The plans shall be drawn to an appropriate scale as required by the City Engineer.

rr. SUBDIVISION IMPROVEMENT AGREEMENT: Prior to approval of the parcel map, the applicant shall enter into a Subdivision Improvement Agreement with the City and guarantee all necessary public and private street improvements and other common area improvements within the subdivision and beyond the map boundary in accordance with the improvement plans to be approved by the City Engineer. The agreement requires the applicant to post financial security in the form of either a cash deposit, letter of credit, or surety bonds in amounts equivalent to the value of the public improvements. If surety bonds are utilized, the amounts of the bonds shall be 100% of the total estimated value of the public improvements consistent with the City of Newark Municipal Code. In addition, the City requires a warranty bond (often referred to as a maintenance bond) for 20% of the estimated value. The warranty period shall be active for no less than one-Calander year following formal acceptance of the improvements. The warranty bond may be released by the City Engineer upon completion of

the warranty period and correction of all warranty items to the satisfaction of the City Engineer. All submitted securities are subject to review and approval by the City Attorney.

ss. SIDEWALK IMPROVEMENTS: The project is responsible for constructing a six-foot-wide meandering sidewalk along the property frontage on Central Avenue, connecting to the adjacent northeast property, consistent with the City of Newark Standard Details. The precise alignment and limits of the sidewalk shall be shown on the improvement plans and are subject to approval by the City Engineer prior to recordation of the Parcel Map.

The City Engineer reserves the right to waive this sidewalk construction requirement. Any waiver of this requirement will be communicated in writing to the applicant.

tt. GEOTECHNICAL RECOMMENDATIONS:

1. Submit a Geotechnical Report that shall address in-situ and import soils in accordance with the City of Newark Grading and Excavation Ordinance, Chapter 15.50. This report shall include recommendations regarding pavement sections. Grading operations shall be in accordance with recommendations contained in the soils report and shall be completed under the supervision of an engineer registered in the State of California to do such work.
2. Additional Geotech Investigation Report peer review by the City's consultant to verify the targeted static and seismic induced settlement reductions shall be required to be performed prior to the issuance of the building permit. Ground improvement methods, if proposed, may require coordination and approval from Alameda County Water District. The applicant shall pay for costs associated with the Geotechnical peer review and/or inspections per the City's Master Fee Schedule.
3. Prior to Grading Permit and Building Permit issuance, recommendations from the project's geotechnical investigation, as prepared by a California-licensed Geotechnical Engineer or Certified Engineering Geologist, shall be incorporated into the design of the improvements and/or explicitly noted on the plans. The author(s) of the geotechnical investigation shall certify on the plans that the designs comply with their recommendations. During construction, the applicant shall follow all recommendations.
4. The applicant's geotechnical consultant shall inspect, test (as needed), and approve all geotechnical aspects of the project construction. The inspections shall include, but not necessarily be limited to: site preparation and grading, site surface and subsurface drainage improvements, and excavations for foundations prior to the placement of steel and concrete. The results of these inspections and the as-built conditions of the project shall be described by the geotechnical consultant in a letter and submitted to the City Engineer for review and approval prior to project final acceptance.

uu. CONSTRUCTION GENERAL PERMIT: This application is subject to a Construction General Permit according to the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002. Prior to the issuance of a grading permit or a building permit, the Waste Dischargers Identification (WDID) number shall be printed on the plans to provide evidence that the proposed site development work is covered by said General Permit for any Construction Activity. The applicant will be required to register the project with the State Water Board's Stormwater Multi-Application and Report Tracking System (SMARTS) website. A Qualified SWPPP Developer (QSD) and a Qualified SWPPP Practitioner (QSP)

shall be responsible for permit compliance. In addition, the grading plans need to state: "All grading work shall be done in accordance with the approved Storm Water Pollution Prevention Plan prepared by the developer pursuant to the Notice of Intent on file with the State Water Resources Control Board."

vv. CLEAN WATER PROGRAM (LARGE PROJECTS):

1. Because the project creates and/or replaces more than 5,000 square feet of impervious surface, it is considered a Regulated Project according to Provision C.3.b of the Municipal Regional Stormwater NPDES Permit that regulates stormwater runoff in Alameda County. The Alameda Countywide Clean Water Program developed a C.3 Guidance Manual to assist applicants in addressing these regulations. The Guidance Manual is available for download at:

   https://cleanwaterprogram.org/businesses/development/

   Regulated projects shall include stormwater treatment measures in the site design to remove pollutants from stormwater upstream of any connection to the City's or Alameda County's stormwater conveyance networks. In addition, regulated projects shall be subject to a Stormwater Treatment Measure Maintenance Agreement between the City and property owner to assure long-term maintenance of the installed measures. The City will provide a template agreement. Once executed, the agreement shall be recorded against the property.

   The provided Preliminary Stormwater Treatment Plan is approved in concept only. The final Stormwater Treatment Design shall be prepared by a licensed civil engineer. Final approval is subject to the applicant providing the necessary plans, details, and calculations that demonstrate the plan comply with the latest Municipal Regional Stormwater NPDES Permit (MRP).
2. Prior to Parcel Map approval, Stormwater Requirements Checklist shall be submitted along with the improvement plans for review and approval.
3. All stormwater treatment measures are subject to review and approval by the Alameda County Mosquito Abatement District. The developer shall modify the grading and drainage and stormwater treatment design as necessary to satisfy any imposed requirements from the District.

ww. FULL TRASH CAPTURE: The entire site shall be equipped with full trash capture devices approved by the Regional Water Quality Control Board – San Francisco Bay Region and the Mosquito Abatement District, for 100% trash capture at all on-site and adjoining off-site storm drain inlets. All on-site trash capture devices shall be permanently maintained by the property owner. Acceptable off-site trash capture devices can be found on the City's website at https://www.newark.org/departments/public-works/engineering-division/stormwater-program.

xx. GRADING AND DRAINAGE PLANS: Prior to Parcel Map approval, the developer shall submit detailed grading and drainage plans for review and approval by the City Engineer. Plans shall be based on a City benchmark, on NGVD 29 datum, shall include pad and finish

floor elevations of each proposed structure, proposed on-site property grades, proposed elevations at property line, and sufficient elevations on all adjacent properties to show existing drainage patterns. All on-site pavement shall drain at a minimum of one percent. The developer shall ensure that all upstream drainage is not blocked and that no ponding is created by this development. Any construction necessary to ensure this shall be the developer's sole responsibility.

yy. HYDROLOGY AND HYDRAULIC REPORT: Hydrology and hydraulic calculations, including a drainage area map for on and offsite watersheds, a narrative explaining assumptions, criteria, methodology, and how the starting HGL was established, shall be submitted for review and approval by the City Engineer and the Alameda County Flood Control & Water Conservation District (ACFC&WCD) prior to approval of the improvement plans and Parcel Map. The calculations shall show that the City and County freeboard requirements are satisfied and that any increase in flow is mitigated with on-site detention or storage, such that the downstream facility will not be surcharged by the post-development discharge from the project.

zz. EMERGENCY OVERLAND STORMWATER FLOW/SUMP PROPERTIES: The Grading Plans shall show that the entire property is designed with an emergency overland flow path to direct storm runoff to the nearest public street or open flood control facility in the event on-site pipes become plugged. The flow path shall be lower than the finish floor elevation of all habitable structures. The flow path cannot rely on neighboring properties unless a storm drain easement across the neighbor is obtained. Sump properties shall be designed to discharge the 50-year recurrence interval storm event through the pipe network before habitable structures become inundated.

aaa. Where a grade differential is created along the boundary lot lines between the proposed development and adjacent property, the applicant shall install a permanent retaining wall (concrete or masonry or similar approved material) unless a slope easement is approved by the City Engineer. Said retaining wall shall be subject to review and approval of the City Engineer. A grading permit is required by the Building Inspection Division prior to starting site grading work.

bbb. SITE DESIGN:

1. During the building permit review, the plans shall show the visibility control triangle to demonstrate compliance with the Visibility Ordinance. The plans shall show that there is no obstructions adjacent to the driveways, and determine where signs or any above-grade utility boxes can be located. The Engineering Department can provide a copy of Visibility Ordinance information sheet when requested.

2. The Preliminary Landscape Plan shows trees within the landscape strip along south property line that conflict with an existing sewer line to remain. If these trees are accounted towards meeting any landscape zoning code, a revised Preliminary Landscape Plan will need to show removal of these trees and their new locations.

ccc. Prior to issuance of Building Permit, existing buildings within the project boundary shall be demolished. The applicant shall apply and receive a building permit and obtain a permit final for the demolition.

ddd. The applicant shall install private streets improvements including, but not be limited to driveways, drive aisles, parking facilities, utilities, storm water treatment facilities, screen walls, fencing, and all landscape areas. All private streets in the development shall be designed and constructed to City standards, are subject to review and approval by the City Engineer and shall be included with the improvement plans.

eee. The applicant shall obtain grading and site work permit(s) from Building Inspection Division for the site grading (rough grading and/or fine grading) and private structures including, but not limited to perimeter retaining walls.

fff. PAVEMENT MAINTENANCE PROGRAM: Prior to the issuance of a building permit, the developer's engineer shall submit a pavement maintenance program for the drive aisles and parking areas for the review and approval of the City Engineer. The developer shall incorporate the program into the required Storm Water Pollution Prevention Plan and Storm Water Treatment Measures Maintenance Agreement.

ggg. Prior to issuance of a Certificate of Occupancy or release of utilities for the building, vehicle access ways and parking facilities shown on the plans shall be paved in accordance with the recommendation of a licensed engineer based on a Traffic Index of 5.0 and striped as shown on the approved site plan. Minimum asphalt concrete thickness for the vehicle access ways shall be 4 inches.

hhh. All dry utilities including, but not limited to, electric, telephone, alarm systems, and cable television services shall be provided underground from the point-of-connection at the utility purveyor’s network to the service point. Electrical transformers shall be installed in underground vaults with an appropriate public utility easement.

iii. Multiple street trench cuts and openings (i.e. greater than two street cuts or openings) as a result of utility connections and other necessary street openings on Central Avenue shall be resurfaced from curb to curb to the satisfaction of the City Engineer. All pavement restoration and resurfacing shall be completed concurrent with the site development. The extent of street resurfacing shall be shown on the improvement plans prior to approval of Parcel Map. The extent of resurfacing to the satisfaction of the City Engineer.

jjj. All public improvements shall be designed in conformance with the City of Newark Municipal Code and the City’s adopted Standard Details in effect at the time of issuance of the permit(s).

kkk. ENCROACHMENT PERMIT: Any work performed within the City’s right-of-way, City easements, or City-owned property shall be subject to an Encroachment Permit as defined in Newark Municipal Code. All encroachment permit work is subject to adopted City of Newark Standard Details, and shall be performed by properly-licensed contractors as determined by

the City Engineer. Said contractors must provide evidence of proper licensure, insurance and City-issued Business License upon application for a permit.

lll. OTHER AGENCY APPROVALS:

1. Prior to Parcel Map recordation, the proposed water, sewer, and dry utility connections are subject to review and approval by the Alameda County Water District (ACWD), Union Sanitary District (USD), and Pacific, Gas & Electric Company (PG&E), respectively. The Title Sheet of improvement plans shall be signed by the ACWD, USD prior to recordation of Parcel Map. Any necessary site and utility design changes to satisfy requirements from the individual utilities or districts shall be the applicant's responsibility.
2. The applicant is encouraged to apply to PG&E as soon as possible to discuss the project's electrical and gas needs. Joint trench composite plans shall be part of the improvement plan submitted along with the Parcel Map application.
3. The project improvement plans along with the Hydrology & Hydraulic Report shall be submitted to Alameda County Flood Control & Water Conservation District (ACFC&WCD) for their review and approval. The Title Sheet of improvement plans shall be signed by the ACFCD prior to recordation of Parcel Map.

mmm. The developer shall repair and/or replace any public improvements along Central Avenue if damaged during construction, to the satisfaction of the City Engineer.

nnn. For the duration of all construction activities, the developer shall ensure that a water vehicle for dust control operations and a pick-up or vacuum type street sweeper to remove tracked dirt and debris from adjacent streets is kept readily available at all times during construction at the City Engineer's direction.

ooo. The developer shall implement the following measures for the duration of all construction activity to minimize air quality impacts:

1. Watering should be used to control dust generation during demolition of structures and break-up of pavement.
2. All trucks hauling demolition debris from the site shall be covered.
3. Dust-proof chutes shall be used to load debris into trucks whenever feasible. Watering should be used to control dust generation during transport and handling of recycled materials.
4. All active construction areas shall be watered at least twice daily and more often during windy periods; active areas adjacent to the existing land uses shall be kept damp at all times or shall be treated with non-toxic stabilizers or dust palliatives.
5. All trucks hauling soil, sand, and other loose materials shall be covered or require all trucks to maintain at least 2 feet of freeboard.
6. All unpaved access roads, parking areas, and staging areas at construction sites shall be paved, watered three times daily, or treated with (non-toxic) soil stabilizers.
7. All paved access roads, parking areas, and staging areas at construction sites shall be swept daily with water sweepers; water sweepers shall vacuum up excess water to avoid runoff-related impacts to water quality.
8. Limit traffic speeds on unpaved roads to 15 mph.
9. Install sandbags or other erosion control measures to prevent silt runoff to public roadways.

10. Replant vegetation in disturbed areas as quickly as possible.
11. Minimize idling time (5 minutes maximum).
12. Maintain properly tuned equipment.

These measures shall be incorporated into the grading specifications as well as the best management practices of the storm water pollution prevention plan and shall be implemented to the satisfaction of the City Engineer.

ppp. POLLUTANT REDUCTION IN STORMWATER: At no time during construction of the project shall pollutants be allowed to enter, clog, or contaminate stormdrain pipe networks or open stormwater channels in violation of Newark Municipal Code. The applicant shall contain all trash and debris for proper disposal to authorized landfills or recyclers. Erosion control features shall be deployed during the rainy season that extends from October 1st to April 15th each year, or any time rain is forecast outside of this period. Best Management Practices (BMPs) shall be strictly followed. Street sweepers must be employed if soil or debris is tracked onto the public roads from vehicles exiting the site. Standard BMPs are available from the California Stormwater Quality Association (CASQA), the United States Environmental Protection Agency (EPA), Caltrans, and others. Notes and/or illustrations shall be added to the plans that describe the BMPs to be utilized during construction. The use of manufactured erosion control woven blankets and straw wattles that utilize plastic monofilament netting is specifically prohibited.

qqq. SWPPP REPORTING: Copies of any monitoring and/or sampling reports required by the stormwater pollution prevention plan (SWPPP) and submitted by the Legally Responsible Person (LRP) to the State of California's SMARTS database shall also be submitted to the City of Newark inspector assigned to the project. The LRP shall also submit to the City a copy of the required Annual Report no later than September 1st of each year that construction is active or when erosion control features have been deployed. The report must include a summary of all sampling and analysis performed (Risk Levels 2 and 3 only), a log of all inspections performed including Rain Event Action Plans (REAP), a summary of any required corrective actions taken, and a summary of any violations.

rrr. TRAFFIC IMPACT STUDY: Transportation Impact Study prepared by Kimley-Horn, dated May 2025, identified a queuing deficiency at the northbound left-lane of intersection #5 at Cherry Street and Central Avenue. To correct the deficiency, the applicant shall be responsible for modifying signal phasing as per recommended by the approved Transportation Impact Study. The applicant shall be solely responsible for all costs associated with the traffic signal improvements. These traffic signal modifications shall be completed prior to the issuance of a Certificate of Occupancy or Temporary Certificate of Occupancy, whichever occurs first, for the project. The applicant shall submit improvement plans for the necessary modifications to the City for review and approval prior to the issuance of any Building Permit.

sss. The applicant shall provide all required paper and digital submittals of the project parcel map, improvement plans, and as-built plans as required by the City Engineer, including but not necessarily limited to the following: (1) One full-sized mylar copy and an electronic copy of the recorded parcel map; (2) Two full-sized copies, four half-sized copies, and electronic

copies of the approved improvement plans in a format approved by the City Engineer; (3) Electronic copies and one mylar set of the as-built improvement plans. All digital copies of the parcel map and improvement plans shall be prepared in accordance with Union Sanitary District digital submittal standards.

ttt. LANDSCAPE IMPROVEMENTS:

1. All landscape maintenance within the Landscape Easement shall be the sole responsibility of the property owner. The applicant shall enter into a Landscape Maintenance Agreement prior to the issuance of the building permit. The Landscape Maintenance Agreement shall run with the land and be binding on the property owner.
2. The landscape plans shall be included in the improvement plan set and shall be approved by the City Engineer prior to Parcel Map approval. landscape plans in accordance with the State of California Model Water Efficient Landscape Ordinance (MWELO) and per the Newark Municipal Code. Additionally, prior to project permit approvals, the applicant will be required to submit a completed City Landscape Document Package Review Checklist, which will be provided by the Engineering Department on request. Prior to Certificate of Occupancy, the applicant shall be required to submit a completed City Certificate of Completion Form. Prior to Building Permit issuance, submit the project Landscape Plans that demonstrate compliance to City of Newark requirements and MWELO requirements.
3. Prior to Building Permit issuance, the proposed tree species adjacent to the Central Avenue shall be shown on the plans in detail for review and approval, and coordinated with the City. The location of the trees on the project frontage along Central Avenue shall be approved by the City such that, at maturity, the tree canopies and root system do not impact the future City infrastructure.
4. Any above ground utility structures, including backflow prevention devices, and appurtenances, shall be installed within the applicant's property line and a minimum of 10 feet behind street face of curbs. The backflow prevention devices shall have a green painted security cage to protect it from vandalism. These locations shall be screened with landscaping to the satisfaction of the City Engineer. The landscape screen shall not interfere with the utility companies' or City Fire Department's access.
5. A Deferred Improvement Agreement (DIA) for the landscape and irrigation improvements may be required based on construction schedules and the potential future City project on Central Avenue. A Reimbursement Agreement to cover City Attorney fees associated with the DIA is required.

Building Inspection Division

uuu. The project is currently subject to the 2022 California Building Standards, should the project not apply for permits before December 18th, 2025 the project will be subject to the code edition that is adopted at the time when it is applied for this includes all chapters of the building standards.

vvv. Per the CEQA guidelines, the number EV spaces shall meet the requirements of CalGreen Tier 2.

Alameda County Fire Department

www. Project must comply with all building and fire code requirements in effect at time of building permit submittal.

xxx. The flow test must be conducted no more than 12 months prior to the fire sprinkler plan submittal. The flow test data should be included with the fire sprinkler plan submission.

yyy. A fire alarm system will be required in addition to the fire sprinkler system.

zzz. Fire access and water supply must be in service prior to the commencement of vertical combustible construction.

aaaa. The building must be equipped with a fire pump. Please indicate the location and size of the fire pump room, in accordance with the California Fire Code and NFPA 20.

bbbb. The project shall comply with all building and fire code requirements in effect at time of building permit.

cccc. The rolling tube steel gate shall not obstruct the fire apparatus access road. A Fire Department key box shall be provided at the gate entrance if the gate is manually operated, and a switch box shall be provided if the gate is electrically powered.

dddd. The project shall comply with all building and fire code requirements in effect at time of building permit.

eeee. High pile storage shall be submitted as a deferred submittal to the Fire Department for review and approval.

Police Department

ffff. The development shall comply with Chapter 15.06, Security Code, of the Newark Municipal Code and Section 510, Emergency Responder Radio Coverage in New Buildings, of the California Fire Code.

gggg. We would highly recommend installation of community safety cameras in common areas where the facility would be most susceptible to criminal activity. This would include parking areas, exterior pathways and exterior doors. The community safety cameras could be operated and controlled by the owner or the Building Management.

hhhh. We would highly recommend installation of a professionally monitored alarm system covering areas of the facility that would be most susceptible to criminal activity such as burglaries and cargo thefts. This would include parking areas, exterior pathways, gates, perimeter fencing as well as building windows and exterior doors.

iiii. The proposed development should comply with the City of Newark numbering system and tie in with the existing area street numbering. Additionally, the proposed buildings should display their individual street address in a manner clearly visible from the adjacent roadway and parking areas in order to facilitate public safety personnel's ability to quickly identify each location during emergency responses.

Environmental Conditions of Approval

jjjj. The following conditions of approval have been identified through this analysis and ensure implementation of applicable mitigation measures and policies set forth in the General Plan and its EIR.

AES-1: All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 (Lighting and Illumination) and NMC Chapter 17.23 (Parking and Loading). All exterior lighting shall be directed on-site so as not to create glare off-site, as required by the Community Development Director.

AQ-1: The following dust control measures, as recommended by the Bay Area Air Quality Management District (BAAQMD), shall be included in the design of the proposed project and implemented during construction:

1. All exposed non-paved surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and access roads) shall be watered at least two times per day and/or non-toxic soil stabilizers shall be applied to exposed non-paved surfaces.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered and/or shall maintain at least 2 feet of freeboard.
3. All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes, as required by the California Airborne Toxics Control Measure (ATCM) Title 13, Section 2485 of California Code of Regulations. Clear signage regarding idling restrictions shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
8. The prime construction contractor shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. The construction contractor shall take corrective action within 48 hours. The BAAQMD's and the City's phone numbers shall also be visible to ensure compliance with applicable regulations.

BIO-1: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. Grading or removal of potentially occupied habitat shall be conducted outside the nesting season, which occurs between approximately February 1 to August 31.
2. If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey (migratory species, passerines, and raptors) of the potentially occupied habitat (trees, shrubs, grassland) shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.
3. If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat until the young have fledged, as determined by a qualified biologist. The radius of the required buffer zone can vary depending on the species, (i.e., 75-100 feet for passerines and 200-500 feet for raptors). The dimensions of any required buffer zones shall be determined by a qualified biologist.
4. To delineate the buffer zone around the occupied habitat, construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.
5. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriate, adjusted by a qualified biologist as needed to avoid disturbance.
6. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

BIO-2: Prior to any tree removal or alteration, the applicant shall obtain a tree removal permit from the City of Newark Public Works Department and implement tree planting requirements in accordance with development review.

CUL-1: During project construction, if historic, archaeological or Native American materials or artifacts are identified, work within 50-foot radius of such find shall cease and the City shall retain the services of a qualified archeologist and/or paleontologist to assess the significance of the find. adopted with the certification of the 2013 FEIR because not all impacts in the Southwest Newark Residential and Recreational Focus Area may be reduced to less than significant levels.

If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources and similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, all ground disturbing activities near or in any area potentially overlying adjacent human remains shall cease, the County

Coroner shall be contacted immediately, and the provisions of State law carried out.

GEO-1 Prior to issuance of a building permit, the applicant shall prepare and submit a design-level geotechnical report to the City for review and implement the recommendations herein, as approved by the City.

GHG-1: COA GHG-1 The Project shall comply with the most recent CalGreen Tier 2 EV requirements for non-residential projects and show the required number of EV spaces on the plans.

HAZ-1: Prior to issuance of any demolition permit, the applicant/project developer shall provide the City of Newark with evidence of approval by the ACWD of the Media Management Plan, titled "Data Gap Investigation and request for site closure", dated September 13, 2023, prepared by Farallon Consulting and case closure.

HYD-1: Preliminary Stormwater Treatment Plan is approved in concept only. Final approval is subject to the applicant providing, prior to the issuance of the grading permit, the necessary plans, details, and calculations that demonstrate the plan complies with the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2022-0018, revised July 1, 2022, issued to the City of Newark by the Regional Water Quality Control Board, San Francisco Bay Region.

HYD-2: Prior to issuance of a building permit, the applicant shall prepare an Operations and Maintenance (O&M) Plan for post-construction water quality. The O&M Plan shall be reviewed and accepted by the City Engineer prior to Project Construction on the site.

NOI-1: The Applicant/Project Contractor shall implement the following noise reduction measures to minimize the impact of construction noise onto offsite receivers and demonstrate compliance to the satisfaction of the City of Newark Director of Public Works or City Engineer:

1. Construct solid plywood fences around ground level construction sites adjacent to the project property line, resulting in a decibel reduction of 5-15 dBA.
2. ii. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. This would provide at least a 10 dBA reduction to individual equipment noise.
3. Prohibit unnecessary idling of internal combustion engines.
4. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from the project property line. Construct temporary noise barriers to screen stationary noise-generating equipment at the project property line.
5. Utilize "quiet" air compressors and other stationary noise sources where technology exists.
6. Control noise from construction workers' radios to a point where they are not audible at existing residences bordering the Project site.

7. Notify all adjacent businesses, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of "noisy" construction activities to the adjacent land uses and nearby residences.
8. If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.
9. Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

NOI-2: Prior to issuance of a demolition permit or improvements plans, the Applicant shall prepare and submit the Construction Management plan to the City's Building Department for review and shall make any modifications to the Plan for Building to find it acceptable. The Applicant/Project's Contractor shall implement the Project's Construction Management Plan included in the "Acoustical Assessment", prepared for the Project by Kimley-Horn and Associates, Inc., December 2023.

TRAN-1: Project improvements shall include a twice per cycle left-turn phase at the northbound left-turn lane of Cherry Street and Central Avenue.

UTIL-1: Prior to the issuance of a building permit, the applicant shall pay the applicable impact fees, in the amount in effect at the time.

RESOLUTION NO. _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK AFFIRMING THE PLANNING COMMISSION'S DECISION OF APPROVING DR2022-010, U2024-001, AND MUP2024-001, A DESIGN REVIEW, CONDITIONAL USE PERMIT, AND MINOR USE PERMIT FOR A NEW INDUSTRIAL BUILDING AND ASSOCIATED ON-SITE IMPROVEMENTS AT 6756 – 6792 CENTRAL AVENUE (APN: 92A-2165-14, -15, -16, AND -17)

WHEREAS, Ryan Marshall, (the "Applicant") and Prologis LP (the "Property Owner"), filed with the City of Newark an application for a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17) (the "Project"); and

WHEREAS, the property at 6756 – 6792 Central Avenue (the "Project site") has a combined lot size of approximately 756,061 square feet (17.4 acres) and has a General Plan Land-Use designation of General Industrial and is currently zoned GI: General Industrial; and

WHEREAS, the Applicant and Property Owner seek a Design Review, which pursuant to Newark Municipal Code (NMC) §17.34.020 is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area. Approval of the Design Review requires the Project to meet the Design Review criteria pursuant to NMC §17.34.060 to the extent that they apply; and

WHEREAS, the Applicant and Property Owner seek a Conditional Use Permit, which pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use requires approval of a Conditional Use Permit. Approval of the Conditional Use Permit requires the Project to meet all the following Use Permit findings pursuant to NMC §17.35.060; and

WHEREAS, the Applicant and Property Owner seek a Minor Use Permit, which pursuant to NMC §17.17.040(A)(2), an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area requires approval of a Minor Use Permit. Approval of the Minor Permit requires the Project to meet all the following Minor Use Permit findings pursuant to NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii); and

WHEREAS, a California Environmental Quality Act (the "CEQA") analysis was prepared as set forth in **Exhibit E** to evaluate the environmental impacts of the Project in accordance with the CEQA Guidelines. With implementation of the applicable mitigation measures identified in the Final Environmental Impact Report (FEIR) for the 2013 General Plan and conditions of approval as set forth in **Exhibit B**, the CEQA analysis determined and demonstrated that the Project is exempt from further environmental review pursuant to CEQA Guidelines Sections

15168 and 15183 and California Public Resources Code Section 21083.3 because the level of development proposed is within the development assumptions analyzed in the FEIR and the Project is consistent with the General Plan; and

WHEREAS, the Planning Commission held a public hearing on June 24, 2025, and after fully considering the Project, entitlements, staff report, findings of fact, conditions of approval, public comments, and all other testimony and evidence presented at the public hearing, voted 5-0 to approve the Project; and

WHEREAS, a Notice of Action describing the decision taken from the Planning Commission was sent to the members of the City Council and Planning Commission, applicant, all property owners within a minimum 1,000-foot radius of the Project site, all neighborhood and community organizations that have filed a written request for notice of projects in the area where the site is located, and all persons and groups who have filed a written request for notice regarding the specific application; and

WHEREAS, pursuant to NMC §17.31.100, a member of the City Council may call for review of a decision of the Director, Zoning Administrator, or Planning Commission; and

WHEREAS, Council Member Grindall called for a review of the Planning Commission's decision on the Project; and

WHEREAS, pursuant to NMC §17.31.060, a public hearing notice was published in The Tri City Voice on July 8, 2025 and mailed as required for a public hearing, and the City Council held a meeting on said application at 7:00 p.m. on July 24, 2025; and

WHEREAS, the City Council held a public hearing on July 24, 2025, and fully considered the Project, entitlements, staff report, findings of fact, conditions of approval, public comments, and all other testimony and evidence presented at the public hearing; and

WHEREAS, the City Council finds that the staff report, exemptions from CEQA, and standards for approval reflect the City's independent judgement and analysis of the Project; and

WHEREAS, the City Council finds that the Project conforms with the City's General Plan and Zoning Code for which are incorporated herein by reference and are available for review at City Hall during normal business hours and on the City's website; and

WHEREAS, the City Council finds that the Project satisfies the requisite findings of fact necessary for approval of the Design Review, Conditional Use Permit, and Minor Use Permit as further explained in the staff report and the findings of fact associated with this Resolution, as identified in "Exhibit A" attached to this Resolution.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newark as follows:

Section 1. That the forgoing recitals are true and correct and made part of this Resolution.

Section 2. That the City Council hereby makes the necessary findings and determinations required by the NMC to approve the requested Design Review, Conditional Use Permit, and Minor Use Permit for the Project, as further explained in the staff report and findings of fact for approval as set forth in "Exhibit A" attached hereto and incorporated herein by this reference.

Section 3. Based on the findings and determinations, the City Council hereby approves DR2022-010, U2024-001, and MUP2024-001, a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17), subject to the Conditions of Approval, as further set forth in "Exhibit B" attached hereto and incorporated herein by this reference.

This Resolution was introduced at the City of Newark City Council's July 24, 2025 regular meeting by Council Member _____, seconded by Council Member _____, and passed as follows:

Attachments
Exhibit A – Findings of Fact
Exhibit B – Conditions of Approval
Exhibit C – Project Narrative
Exhibit D – Project Plans
Exhibit E – CEQA Analysis

Exhibit A

FINDINGS OF FACT

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Design Review Criteria (Newark Municipal Code [NMC] §17.34.060)

A. The overall design of the project including its scale, massing, site plan, exterior design, and landscaping will enhance the appearance and features of the project site and surrounding natural and built environment.

The Project consists of a new industrial building and associated on-site improvements at the site located at 6756 – 6792 Central Avenue. The new industrial building will consist of a contemporary style design that will provide a variety architectural features, design elements, colors, and materials. The height of the new building will be 49'-6", measured from grade to the top of the parapet.

The new on-site improvements, which include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, employee open space area, site lighting, fencing, vehicular gates, truck courtyard area, and trailer storage area, will complement the architecture of the new industrial building. The Project will enhance the site and will be compatible with the characteristics of the surrounding environment. Additionally, the Project will respect the surrounding development pattern. Overall, the Project's design will be complementary to the area.

This finding can be made in the affirmative.

B. The project design is appropriate to the function of the project and will provide an attractive and comfortable environment for occupants, visitors, and the general community.

As proposed, the new industrial building is considered a speculative building with no tenants. The Project Narrative stated, "Prologis, the Project Sponsor and Owner of the property, is proposing to demolish approximately 113,500 square feet of obsolete industrial buildings on site to construct a new industrial warehouse facility that can accommodate numerous uses that meet both the City and Prologis' interests". This includes advanced manufacturing uses and research and development uses, which are permitted uses in the GI Zoning District.

The Project was carefully designed to ensure compatibility with and complement the site and surrounding areas while providing a comfortable environment for occupants, visitors, and the general community. The Project will be attractive and appropriate for the neighborhood. Therefore, the proposed improvements are suitable in a manner that respects the general character of the neighborhood.

This finding can be made in the affirmative.

C. Project details, materials, signage and landscaping, are internally consistent, fully integrated with one another, and used in a manner that is visually consistent with the proposed architectural design.

The Project is suitable for the site and compatible with the existing site conditions. The application of high-quality and complementary materials and the color palette help distinguish the different areas of the building. The new industrial building and on-site improvements will fully integrate with each other and contribute positively to the site and neighborhood. Overall, the Project incorporates design elements that relate to each other and lend integrity and balance to the site.

This finding can be made in the affirmative.

D. The design of streetscapes, including street trees, lighting, and pedestrian furniture, is consistent with the intended character of the area.

The Project consists of improvements to the site and the streetscape, which includes the driveway curb cuts and landscape areas at the front of the property along Central Avenue. Currently, there are no sidewalks at the front of the property along Central Avenue. However, sidewalks will be proposed along the project frontage on Central Avenue. As part of the Planning Division's and Engineering Division's conditions of approval, the applicant will revise the Project plans to show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

Overall, the improvements complements the new industrial building and responds to the intended character of the area.

This finding can be made in the affirmative.

E. Parking areas are designed and developed to buffer surrounding land uses; compliment pedestrian-oriented development; enhance the environmental quality of the site, including minimizing stormwater run-off and the heat-island effect; and achieve a safe, efficient, and harmonious development.

The new on-site improvements, which include new landscape areas, walkways, driveways, drive aisles, parking areas, bicycle parking areas, bioretention areas, employee open space area, site lighting, fencing, vehicular gates, truck courtyard area, and trailer storage area will be designed to be harmonious with the site. The Project will provide a total of 396 on-site parking spaces, which meets the minimum required number of on-site parking spaces per the Zoning Code.

The Project will enhance the environmental quality of the site by including new bioretention areas for storm-water purposes. Also, the addition of the new landscape areas will address the heat island effect while enhancing the overall appearance of the site. Overall, the Project will be designed to achieve a safe, efficient, and harmonious development.

This finding can be made in the affirmative.

F. Lighting and lighting fixtures are designed to complement buildings, be of appropriate scale, provide adequate light over walkways and parking areas to create a sense of pedestrian safety, and avoid creating glare.

The Project proposes new exterior light fixtures around the building and site. The proposed exterior light fixtures will comply with NMC §17.17.060. Any other lighting not covered under this design review entitlement is subject to regulations specified in NMC §17.17.060 - Lighting and Illumination.

This finding can be made in the affirmative.

G. Landscaping is designed to be compatible with and enhance the architectural character and features of the buildings on site and help relate the building to the surrounding landscape.

The Project proposes new landscaping on site. The new landscaping will be designed to be compatible with and enhance the architectural character and features of the site. The Project has been conditioned to require all landscaping to be maintained in healthy growing condition and that plantings be replaced with other plant materials to ensure continued compliance with the applicable landscaping regulations in NMC Chapter 17.21.

This finding can be made in the affirmative.

Conditional Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

The Project requires approval of a Conditional Use Permit to allow for an "indoor warehousing and storage" use and a "wholesaling and distribution" use in the GI Zoning District. The Project has been evaluated and will be substantially in compliance with the applicable provisions of the Zoning Code. Additionally, the Project has been found to be consistent with the type of uses found in the GI Zoning District and will be compatible with the surrounding industrial uses in the nearby area.

This finding can be made in the affirmative.

B. The proposed use is consistent with the general plan and any applicable specific plan.

The Project site has a General Plan Land Use designation of General Industrial. The Project will be consistent with many of Newark's General Plan policies including, but not limited to:

- ***Policy LU-1.5 -** Technology Focus. Promote the city as a good location for technology businesses and clean industry, capitalizing on Newark's location within Silicon Valley.*

- ***Policy LU-1.17** - Sustainable Development Emphasis. Ensure that new development incorporates green building and sustainable design principles and encourage renovation of existing development to use water and energy more efficiently.*

- ***Policy ED-3.1*** *- Industrial Land Supply. Maintain a sufficient supply of land for office and industrial uses to generate high quality, high paying jobs and to meet the city's economic development goals. Focus office and industrial development on technology uses and other activities that will generate high wage employment.*

- ***Policy ED-3.7 -*** *Industrial Redevelopment. Encourage property owners to redevelop industrial sites and buildings when the proposed redevelopment will generate high-quality and high-paying jobs. Likewise, support the refurbishing of such spaces for continued use as general industrial properties.*

- ***Policy ED-4.4*** *- Affordable Industrial Space. Continue to support and foster the growth of general industrial uses, such as warehouse and distribution centers and manufacturing, in the Cherry Street and Central Avenue corridors and other areas designated for "General Industrial" uses on the Land Use Diagram.*

This finding can be made in the affirmative.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

As proposed, the new industrial building is considered a speculative building with no tenants. The Project will not be adverse to the public health, safety, or general welfare of the community or surrounding properties in that the Project site is mainly surrounded by industrial uses.

This finding can be made in the affirmative.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

The Project would replace an existing warehouse building and uncovered storage yards, which is anticipated to be assessed with a higher property tax base for the property. As proposed, the new industrial building is considered a speculative building with no tenants. The Applicant has presented to Staff a Fiscal Analysis of the Project. Based on that Analysis and depending on the use that occupies the building, it is anticipated that the Project will exceed the cost of City services.

This finding can be made in the affirmative.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

The proposed "indoor warehousing and storage" use and "wholesaling and distribution" use is allowed with the approval of a Conditional Use Permit under the GI Zoning District. The

Project adheres to the development standards within the GI Zoning District, such as setbacks, height, and parking requirements. The new building's contemporary style design is compatible with the adjacent buildings and does not appear to have a negative effect on the adjacent properties or the surrounding area. Overall, the Project will comply with the development standards applicable to the Zoning District.

This finding can be made in the affirmative.

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

The Project's contemporary style design will be compatible with the surrounding area. As conditioned, the Project will not interfere with operations/businesses in this zone. Also, the Project will not deviate from the intent of district's development standards. Therefore, the design, location, size, and operating characteristics of the Project will be compatible with the existing and foreseeable future land uses in the vicinity.

This finding can be made in the affirmative.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

The Project site will be suitable to accommodate the Project as it will provide upgrades to the existing site conditions. The Project will enhance the overall appearance of the site, while respecting the surrounding development pattern. The Project will continue to provide access and utilities on the site.

This finding can be made in the affirmative.

Minor Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

The maximum height for fencing within the required front setback area is 3 feet. Pursuant to NMC §17.17.040(A)(2), an additional height increase for fencing in non-residential districts requires approval of a Minor Use Permit. The Applicant requests approval of a Minor Use Permit to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet within the minimum required 10-foot front setback area.

The Project will be in compliance with the applicable provisions of Title 17 – Zoning, which includes meeting the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). Overall, the Project has been evaluated and will be substantially in compliance with the applicable provisions of the Zoning Code.

This finding can be made in the affirmative.

B. The proposed use is consistent with the general plan and any applicable specific plan.

The Project site has a General Plan Land Use designation of General Industrial. The Project is consistent with the general plan. The additional height to the fence will allow for the new industrial building's occupants to operate safely. Additionally, the Project will not alter the respective land-use designation.

This finding can be made in the affirmative.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

The Project includes an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet in the minimum 10-foot front setback area. The location of the new fencing will be adjacent to the Union Pacific Railroad. The Project will not detract from the overall appearance of the neighborhood. Overall, the Project will not be adverse to the public health, safety, or general welfare of the community nor detrimental to surrounding properties or improvements.

This finding can be made in the affirmative.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

The additional height increase to the new prefinished vertical tube steel fencing will not materially impact the City's tax revenue, nor will it additionally strain City services. The Project, in total, would replace an existing warehouse building and uncovered storage yards, which is anticipated to be assessed with a higher property tax base for the property.

This finding can be made in the affirmative.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

The additional height increase to the new fencing is allowed subject to meeting the applicable provisions of Title 17 – Zoning, which includes meeting the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). The new fencing is 6 feet in height and consist of a prefinished vertical tube steel material. Overall, the Project will comply with the development standards applicable to the Zoning District. The Project's design will be complementary to the area and does not appear to have a negative effect on the adjacent properties nor the surrounding area.

This finding can be made in the affirmative.

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

The additional height increase to the new fencing will not interfere with the other industrial uses in this zone. Additionally, the Project will not deviate from the intent of district's development standards. Therefore, the design of the Project will be compatible with the existing and foreseeable future land uses in the vicinity.

This finding can be made in the affirmative.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

The Project site and the additional height increase to the new fencing will be suitable to accommodate the Project as it will upgrade the existing site conditions. The Project will enhance the overall appearance of the site, while respecting the surrounding development pattern. The Project will continue to provide access and utilities on the site.

This finding can be made in the affirmative.

Minor Use Permit Findings for Additional Fence Height (NMC §17.17.040(A)(1)(a)(ii))

A. The additional fence height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

The Project includes an additional height increase to the new fencing to be 6 feet in the minimum 10-foot front setback area. The additional height increase will consist of a prefinished vertical tube steel material that meets the material requirements outlined in NMC §17.17.040(A)(1)(a)(i)(3). The Project site is not abutting residential structures. The location of the new fencing will be adjacent to the Union Pacific Railroad. Therefore, the additional height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

This finding can be made in the affirmative.

B. The additional fence height will not detract from the overall appearance of the neighborhood.

The additional height to the new fencing will be a prefinished vertical tube steel fencing material. The location of the new fencing will be adjacent to the Union Pacific Railroad. The design of the new fencing will allow for the Project to be seamlessly integrated into the neighborhood. Therefore, the additional height will not detract from the overall appearance of the neighborhood.

This finding can be made in the affirmative.

C. The additional fence height is not detrimental to the health, safety, and welfare of people living in the neighborhood.

The additional height of the new fencing will be consistent with the height of the other new fencing that is located adjacent to the Union Pacific Railroad. The new fencing will be of an aesthetically pleasing design that blends in with the property and surrounding area. Additionally, there is no evidence to suggest that the additional height will cause any harm to the community. Therefore, the additional height will not be detrimental to the health, safety, and welfare of people living in the neighborhood.

This finding can be made in the affirmative.

California Environmental Quality Act (CEQA) Categorical Exemption Findings

The Project is eligible for the following CEQA exemptions:

- ***Consistency with Program EIR.*** *The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the Project would not result in substantial changes or involve new information that would warrant preparation of a subsequent EIR because the level of development proposed is within the development assumptions analyzed in the program level EIR (2013 FEIR). No further environmental review is required.*

- ***Community Plan Exemption.*** *Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR. The Project is exempt from further CEQA review since it is consistent with the General Plan.*

The Project is within the scope of development projected under the General Plan for which an EIR was certified in 2013. The Project will implement applicable mitigation measures identified in the 2013 FEIR. In addition, the Project will be required to comply with applicable conditions of approval (**Exhibit B**) and is subject to uniformly applied development standards. With implementation of required mitigation measures and conditions of approval, the Project will not result in a substantial increase in the severity or significant impacts that were previously identified in the program level EIR, nor will the Project introduce any new significant impacts that were not previously identified. Therefore, there will be no additional environmental impacts beyond those analyzed in the 2013 FEIR.

Exhibit B

CONDITIONS OF APPROVAL

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Planning Division

a. A building permit shall be required prior to the construction of the Project. The building permit plans shall be substantially consistent with the approved plans (see **Attachment 1, Exhibit D**), or as otherwise required by these conditions of approval.

b. These conditions of approval shall be printed on the building-permit drawings associated with this Project.

c. A Planning Final shall be required prior to the Final Building Inspection.

d. The applicant/property owner/business operator/developer shall comply with any and all applicable federal, state, or local laws and regulations.

e. The building permit plans shall demonstrate compliance with the enclosure pad, bumpers, clear zone, and drainage requirements for the trash enclosure as outlined in NMC §17.17.120(B)(2).

f. Any revisions to the proposed garbage, refuse and recycling service pick up plan shall require review and approval by Republic Services and the Community Development Director, prior to the issuance of a building permit. No refuse, garbage or recycling shall be stored outdoors except within the approved trash enclosure.

g. The building permit plans shall show the removal of the new chain link fencing along the front (southwestern) property line as part of the building permit submittal.

h. The building permit plans shall show the design of the sidewalk along the property frontage on Central Avenue as part of the building permit submittal.

i. The Landscape Plans (Sheet LC1.1) shall show the correct design of the driveway curb cuts.

j. The building permit plans shall show the 32 dock doors with two grade-level doors and 14 door knockouts.

k. Any proposed changes to the design of the new industrial building that include the conversion of the additional door knockouts to dock doors for an "indoor warehousing and storage" use and/or a "wholesaling and distribution" use shall require Planning Commission review and approval.

l. All other proposed changes from approved exhibits shall be submitted to the Community

Development Director who shall decide if they warrant Planning Commission review and, if so decided, said changes shall be submitted for the Commission's review and decision. The applicant and/or property owner shall pay the prevailing fee for each additional separate submittal of project exhibits requiring Planning Commission and/or City Council review and approval.

m. Prior to the issuance of a Certificate of Occupancy, the parking areas, aisles and access drives shall be installed and striped as shown on the approved site plan.

n. If any of the conditions of approval are not incompliance and/or have been substantially expanded beyond the Project's approval regarding parking, on-site circulation and/or traffic , the Community Development Director shall review and decide how to mitigate those issues. A parking, on-site circulation and/or traffic analysis shall be prepared at the discretion of the Community Development Director and the cost of the applicant and/or property owners. The applicant and/or property owners shall mitigate any issues identified by the parking, on-site circulation and/or traffic study. If the applicant does not mitigate these issues, the entitlements may be referred to the Planning Commission for determination if the entitlements are to be revoked.

o. Parking lot cleaning with sweeping or vacuum equipment shall not be permitted between 7:00 p.m. and 7:00 a.m.

p. All landscaping shall be maintained in healthy growing condition. Wherever necessary, plantings shall be replaced with other plant materials to ensure continued compliance with the applicable landscaping regulations in NMC Chapter 17.21.

q. All exterior utility pipes and meters shall be painted to match and/or complement the color of the adjoining building surface, as approved by the Community Development Director.

r. All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 - Lighting and Illumination. All exterior lighting shall be directed on-site so as not to create glare off-site.

s. All mechanical and electrical equipment (e.g., transformer, generator, roof equipment, etc.) shall meet the screening requirements in NMC §17.17.100 - Screening. Mechanical and electrical equipment such as air conditioners (AC) units shall not be placed in the front or street side yard. If equipment is placed in any other location that makes it visible to public view, the equipment shall be properly screened with solid material pursuant to the regulations in NMC §17.17.100 - Screening.

t. The Project shall comply with all applicable noise standards in the NMC and General Plan, including, but not limited to NMC §17.24.100 - Noise. This includes all mechanical and electrical equipment.

u. All construction noise activity shall abide by NMC §17.24.100 - Noise.

v. Construction equipment, including compressors, generators and mobile equipment shall be

fitted with heavy-duty mufflers designed to reduce noise impacts.

w. The Project shall comply with the conditions outlined in the Acoustical Assessment prepared by Kimly Horn dated December 2023, or as amended.

x. The Project shall implement the Project Design Features from the Air Quality, Greenhouse Gas Emissions and Energy Technical Analysis prepared by FirstCarbon Solutions dated July 19, 2024, or as amended, which includes:

PDF AIR-1 Prohibition of Cold Storage Use and Transport Refrigeration Units
The project operation would address any potential Transport Refrigeration Unit usage by requiring the following:

- Contractual language in all tenant lease agreements that will prohibit tenants from operating Transport Refrigeration Units (TRUs) within the project site.
- Requiring a restrictive covenant over the parcel that prohibits the applicant's use of TRUs on the property unless the applicant seeks and receives an amendment to its conditional use permit allowing such use.
- The application of any future requests for cold storage and associated TRU usage to include an analysis which requires the modeling and a Health Risk Assessment of air toxic contaminants emitted from operation of these TRUs. The results of such analysis must demonstrate that the operation of TRUs would not result in a significant health impact as defined by BAAQMD thresholds.

PDF AIR-2 All-Electric Design

- Prior to issuance of building permits, the project applicant shall provide documentation (e.g., site plan) to the City to demonstrate that the proposed industrial development does not include natural gas appliances or natural gas plumbing.

PDF AIR-3 Use of Tier 4 Construction Equipment

- Prior to the issuance of any demolition, grading, or building permits (whichever occurs earliest), the project applicant and/or construction contractor shall prepare a construction operations plan that, during construction activities, requires all off-road equipment with engines greater than 50 horsepower to meet particulate matter emissions standards for Tier 4 Interim engines at the minimum. The construction contractor shall maintain records documenting its efforts to comply with this requirement, including equipment lists. Off-road equipment descriptions and information shall include, but are not limited to, equipment type, equipment manufacturer, equipment identification number, engine model year, engine certification (Tier rating), horsepower, and engine serial number. The project applicant and/or construction contractor shall submit the construction operations plan and records of compliance to the City

y. Prior to the installation of any signage, the applicant and/or property owners shall submit a

Sign Permit Application to the Planning Division for review and approval. Signage, including freestanding signs and wall signs, shall comply with Chapter 17.25 – Signage Standards.

z. Prior to the issuance of grading and site work permit(s), mailbox locations and designs shall be approved by the Community Development Director and Newark Postmaster, in that order.

aa. Prior to issuance of a grading permit, the applicant shall hire a qualified biologist to: (1) determine if occupied Burrowing Owl habitat(s) exist on the site, and (2) implement a plan to protect the owls and to excavate the site around any active burrows using hand tools to assure that the owls are not buried during grading in the event Burrowing Owl habitat(s) is found on the site. The occupied Burrowing Owl habitat(s), if found, shall not be disturbed during the nesting season. The Burrowing Owl study shall be conducted not more than 30 days prior to the time site grading activities will commence.

bb. The site and its improvements shall be maintained in a neat and presentable condition, to the satisfaction of the Community Development Director. This shall include, but not limited to, repainting surfaces damaged by graffiti, site clean-up, and maintenance of the landscaping areas. Graffiti removal/repainting, site clean-up, and maintenance of the landscaping areas shall occur on a continuing, as needed basis.

cc. Construction site trailers and buildings located on-site shall be used for office and storage purposes only and shall not be used for living or sleeping quarters. Any vehicle or portable building brought on the site during construction shall remain graffiti free.

dd. Prior to the issuance of a building permit, the applicant, property owners, and/or developer shall pay the City's impact fees in effect as well as the Community Development Maintenance Fee. The impact fees shall be based on the new building square footage for the Project.

ee. The applicant shall work with the City on the public art installation for the Project as part of the building permit submittal. The Project shall be waived from paying the Art in Public Places and Private Development fee if public art is installed.

ff. The Project sponsor shall require construction contractors to implement the following applicable BAAQMD Basic Construction Mitigation Measures to reduce emissions of fugitive dust and equipment exhaust.

gg. Measures to respond to and track complaints pertaining to construction noise shall include: (1) a procedure and phone numbers for notifying the City of Newark Building Inspection Division and Newark Police Department (during regular construction hours and off-hours); and (2) a sign posted on-site pertaining to the permitted construction days and hours and complaint procedures and who to notify in the event of a problem. The sign shall also include a listing of both the City and construction contractor's telephone numbers (during regular construction hours and off-hours).

hh. During project construction, if historic, archeological or Native American materials or artifacts are identified, work within a 50-foot radius of such find shall cease and the City shall retain the

services of a qualified archeologist and/or paleontologist to assess the significance of the find. If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources or similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, the County Coroner shall be contacted immediately, and the provisions of State law carried out.

ii. The City of Newark and its agents, officers, and employees shall be defended, indemnified, and held harmless from any claim, action or proceedings against the City, or its agents, officers, and employees to attach, set aside, void, or annul the approval of this application or the environmental determination which accompanies it, or which otherwise arises out of or in connection with the City's action on this application, including but not limited to, damages, costs, expenses, attorney's fees, or expert witness fees.

jj. The Community Development Director shall interpret applicable requirements in the event of any redundancy or conflict in conditions of approval.

kk. The Community Development Director shall have the right to modify or terminate this Design Review, Conditional Use Permit, and Minor Use Permit at any time if any of the terms of such permit or the conditions of approval for said permit are violated, or for other good cause deemed necessary to maintain or improve the public right-of-way or to preserve and protect the health, safety, and welfare of the public.

ll. If any condition of the entitlements be declared invalid or unenforceable by a court of competent jurisdiction, the entitlements shall terminate and be of no force and effect, at the election of the Planning Commission and/or City Council on motion.

mm. The applicant hereby agrees to defend, indemnify, and save harmless the City of Newark, its Council, boards, commissions, officers, employees and agents, from and against any and all claims, suits, actions, liability, loss, damage, expense, cost (including, without limitation, attorneys' fees, costs and fees of litigation) of every nature, kind or description, which may be brought by a third party against, or suffered or sustained by, the City of Newark, its Council, boards, commissions, officers, employees or agents to challenge or void the permit granted herein or any California Environmental Quality Act determinations related thereto.

nn. In the event that any person should bring an action to attack, set aside, void or annul the City's approval of this project, the applicant shall defend, indemnify and hold harmless the City and/or its agents, officers and employees from any claim, action, or proceeding against the City and/or its agents, officers and employees with counsel selected by the applicant (which shall be the same counsel used by applicant) and reasonably approved by the City. Applicant's obligation to defend, indemnify and hold harmless the City and/or its agents, officers and employees shall be subject to the City's compliance with Government Code Section 66474.9.

oo. The Conditions of Project Approval set forth herein may include certain fees, dedication requirements, reservation requirements and other exactions. Pursuant to Government Code

Section 66020(d)(1), these Conditions constitute written notice of a statement of the amount of such fees, and a description of the dedications, reservations and other exactions. The applicant is hereby further notified that the 90-day approval period in which the applicant may protest these fees, dedications, reservations and other exactions, pursuant to Government Code Section 66020(a), has begun. If the applicant fails to file a protest within this 90-day period complying with all of the requirements of Section 66020, the applicant will be legally barred from later challenging such exactions.

pp. Per NMC §17.31.130, the approval or conditional approval of the Design Review, Conditional Use Permit, and Minor Use Permit shall expire three years from the date the Design Review, Conditional Use Permit, and Minor Use Permit was approved or conditionally approved if it is not exercised or extended within three years of its approval. Additionally, any other permit granted under NMC Title 17 - Zoning, shall automatically expire if it is not exercised or extended within two years of its approval, unless a different time period is specified.

Engineering Division

qq. SUBDIVISION MAPS: The subdivision of land is governed by Newark Municipal Code Title 16, as well as the California Government Code §§66410-66499.85 (Subdivision Map Act). All maps are subject to review and approval by the City Engineer. Recordation of the subdivision map shall be coordinated by the applicant's title company, with one full-sized mylar copy of the recorded map returned to the City.

1. Prior to building permit issuance, the parcel map to merge the four individual parcels into one shall be recorded at the Alameda County Recorders' Office.
2. Coinciding with the Planning Commission's approval of the entitlements, the applicant shall execute the encumbrance documents as listed below, and submit them to the City for review and final execution within ten (10) working days following the expiration of the appeal period. If the project is appealed and requires City Council action on the entitlements, the documents shall be executed and submitted to the City for review and approval within ten (10) working days following City Council approval.

   Upon execution by the City, the documents shall be recorded with the Alameda County Recorder's Office. Exhibit EX-2 shows the conceptual layout of the easements, and the actual dimensions and easements shall be to the satisfaction of the City Engineer.

   i. 14-foot-wide Landscape Easement
   ii. 10-foot-wide Public Service Easement along the project frontage up to the limits of the future Central Avenue overpass improvements where a grade difference between Central Avenue and project site.
   iii. 30-foot-wide Alameda County Water District (ACWD) Waterline Easement as shown on the Exhibit EX-2.
   iv. 30-foot-wide Access Easement to the satisfaction of ACWD.
   v. Three ACWD water lateral easements connecting Central Avenue and the 30-foot-wide Waterline Easement to the satisfaction of ACWD.

vi. ACWD water lateral easement extending southeast direction from the 30-foot-wide ACWD Waterline Easement to the satisfaction of ACWD.
vii. 10-foot-wide Sidewalk and Maintenance Easement to the satisfaction of the City Engineer.
viii. Emergency Vehicle Access Easement as required to the satisfaction of Alameda County Fire Department.
ix. Temporary Construction Easement (TCE) A and TCE B to the satisfaction of the City Engineer.
x. Complete relinquishment of abutter's rights over the frontage of APNs 92A-2165-17 and 92A-2165-16, and a partial relinquishment of abutter's rights over the frontage of APNs 92A-2165-15 and 92A-2165-14 to the satisfaction of the City Engineer.
xi. Reciprocal access, Private Utility Easement, Private Stormdrain Easement, Emergency Vehicle Access Easement (EVAE), Public Utility Easement (PUE), Public Storm Drain Easement, parking easements shall be established in favor of APNs 92A-2165-17 and 92A-2165-16 over APNs 92A-2165-15 and 92A-2165-14, as determined by the final design and to the satisfaction of the City Engineer. This requirement is necessary because the lots will not be merged until the Parcel Map is recorded. Additionally, the complete relinquishment of abutter's rights over the frontage of APNs 92A-2165-17 and 92A-2165-16, and a partial relinquishment of abutter's rights over the frontage of APNs 92A-2165-15 and 92A-2165-14, shall coincide with the Planning Commission's approval of the Entitlements.

3. Concurrent with approval of the Parcel Map, the applicant shall effectuate the removal of any existing easements encumbering the property that conflict with areas proposed for improvement. Elimination or modification of existing easements on the site requires approval from the respective utility district or company and the City of Newark. Easement modifications and removals shall be performed with the Parcel Map.
4. Along with the Parcel Map application, a complete improvement plan set shall be submitted to the Engineering Division for review and approval to ensure conformance with relevant codes, policies, and other requirements of the Newark Municipal Code and City of Newark Street improvement standards. These plans shall be prepared by a qualified person licensed by the State of California to do such work. The plans shall be drawn to an appropriate scale as required by the City Engineer.

rr. SUBDIVISION IMPROVEMENT AGREEMENT: Prior to approval of the parcel map, the applicant shall enter into a Subdivision Improvement Agreement with the City and guarantee all necessary public and private street improvements and other common area improvements within the subdivision and beyond the map boundary in accordance with the improvement plans to be approved by the City Engineer. The agreement requires the applicant to post financial security in the form of either a cash deposit, letter of credit, or surety bonds in amounts equivalent to the value of the public improvements. If surety bonds are utilized, the amounts of the bonds shall be 100% of the total estimated value of the public improvements consistent with the City of Newark Municipal Code. In addition, the City requires a warranty bond (often referred to as a maintenance bond) for 20% of the estimated value. The warranty period shall be active for no less than one-Calander year following formal acceptance of the improvements. The warranty bond may be released by the City Engineer upon completion of

the warranty period and correction of all warranty items to the satisfaction of the City Engineer. All submitted securities are subject to review and approval by the City Attorney.

ss. SIDEWALK IMPROVEMENTS: The project is responsible for constructing a six-foot-wide meandering sidewalk along the property frontage on Central Avenue, connecting to the adjacent northeast property, consistent with the City of Newark Standard Details. The precise alignment and limits of the sidewalk shall be shown on the improvement plans and are subject to approval by the City Engineer prior to recordation of the Parcel Map.

The City Engineer reserves the right to waive this sidewalk construction requirement. Any waiver of this requirement will be communicated in writing to the applicant.

tt. GEOTECHNICAL RECOMMENDATIONS:

1. Submit a Geotechnical Report that shall address in-situ and import soils in accordance with the City of Newark Grading and Excavation Ordinance, Chapter 15.50. This report shall include recommendations regarding pavement sections. Grading operations shall be in accordance with recommendations contained in the soils report and shall be completed under the supervision of an engineer registered in the State of California to do such work.
2. Additional Geotech Investigation Report peer review by the City's consultant to verify the targeted static and seismic induced settlement reductions shall be required to be performed prior to the issuance of the building permit. Ground improvement methods, if proposed, may require coordination and approval from Alameda County Water District. The applicant shall pay for costs associated with the Geotechnical peer review and/or inspections per the City's Master Fee Schedule.
3. Prior to Grading Permit and Building Permit issuance, recommendations from the project's geotechnical investigation, as prepared by a California-licensed Geotechnical Engineer or Certified Engineering Geologist, shall be incorporated into the design of the improvements and/or explicitly noted on the plans. The author(s) of the geotechnical investigation shall certify on the plans that the designs comply with their recommendations. During construction, the applicant shall follow all recommendations.
4. The applicant's geotechnical consultant shall inspect, test (as needed), and approve all geotechnical aspects of the project construction. The inspections shall include, but not necessarily be limited to: site preparation and grading, site surface and subsurface drainage improvements, and excavations for foundations prior to the placement of steel and concrete. The results of these inspections and the as-built conditions of the project shall be described by the geotechnical consultant in a letter and submitted to the City Engineer for review and approval prior to project final acceptance.

uu. CONSTRUCTION GENERAL PERMIT: This application is subject to a Construction General Permit according to the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000002. Prior to the issuance of a grading permit or a building permit, the Waste Dischargers Identification (WDID) number shall be printed on the plans to provide evidence that the proposed site development work is covered by said General Permit for any Construction Activity. The applicant will be required to register the project with the State Water Board's Stormwater Multi-Application and Report Tracking System (SMARTS) website. A Qualified SWPPP Developer (QSD) and a Qualified SWPPP Practitioner (QSP)

shall be responsible for permit compliance. In addition, the grading plans need to state: "All grading work shall be done in accordance with the approved Storm Water Pollution Prevention Plan prepared by the developer pursuant to the Notice of Intent on file with the State Water Resources Control Board."

vv. CLEAN WATER PROGRAM (LARGE PROJECTS):

1. Because the project creates and/or replaces more than 5,000 square feet of impervious surface, it is considered a Regulated Project according to Provision C.3.b of the Municipal Regional Stormwater NPDES Permit that regulates stormwater runoff in Alameda County. The Alameda Countywide Clean Water Program developed a C.3 Guidance Manual to assist applicants in addressing these regulations. The Guidance Manual is available for download at:

   https://cleanwaterprogram.org/businesses/development/

   Regulated projects shall include stormwater treatment measures in the site design to remove pollutants from stormwater upstream of any connection to the City's or Alameda County's stormwater conveyance networks. In addition, regulated projects shall be subject to a Stormwater Treatment Measure Maintenance Agreement between the City and property owner to assure long-term maintenance of the installed measures. The City will provide a template agreement. Once executed, the agreement shall be recorded against the property.

   The provided Preliminary Stormwater Treatment Plan is approved in concept only. The final Stormwater Treatment Design shall be prepared by a licensed civil engineer. Final approval is subject to the applicant providing the necessary plans, details, and calculations that demonstrate the plan comply with the latest Municipal Regional Stormwater NPDES Permit (MRP).
2. Prior to Parcel Map approval, Stormwater Requirements Checklist shall be submitted along with the improvement plans for review and approval.
3. All stormwater treatment measures are subject to review and approval by the Alameda County Mosquito Abatement District. The developer shall modify the grading and drainage and stormwater treatment design as necessary to satisfy any imposed requirements from the District.

ww. FULL TRASH CAPTURE: The entire site shall be equipped with full trash capture devices approved by the Regional Water Quality Control Board – San Francisco Bay Region and the Mosquito Abatement District, for 100% trash capture at all on-site and adjoining off-site storm drain inlets. All on-site trash capture devices shall be permanently maintained by the property owner. Acceptable off-site trash capture devices can be found on the City's website at https://www.newark.org/departments/public-works/engineering-division/stormwater-program.

xx. GRADING AND DRAINAGE PLANS: Prior to Parcel Map approval, the developer shall submit detailed grading and drainage plans for review and approval by the City Engineer. Plans shall be based on a City benchmark, on NGVD 29 datum, shall include pad and finish

floor elevations of each proposed structure, proposed on-site property grades, proposed elevations at property line, and sufficient elevations on all adjacent properties to show existing drainage patterns. All on-site pavement shall drain at a minimum of one percent. The developer shall ensure that all upstream drainage is not blocked and that no ponding is created by this development. Any construction necessary to ensure this shall be the developer's sole responsibility.

yy. HYDROLOGY AND HYDRAULIC REPORT: Hydrology and hydraulic calculations, including a drainage area map for on and offsite watersheds, a narrative explaining assumptions, criteria, methodology, and how the starting HGL was established, shall be submitted for review and approval by the City Engineer and the Alameda County Flood Control & Water Conservation District (ACFC&WCD) prior to approval of the improvement plans and Parcel Map. The calculations shall show that the City and County freeboard requirements are satisfied and that any increase in flow is mitigated with on-site detention or storage, such that the downstream facility will not be surcharged by the post-development discharge from the project.

zz. EMERGENCY OVERLAND STORMWATER FLOW/SUMP PROPERTIES: The Grading Plans shall show that the entire property is designed with an emergency overland flow path to direct storm runoff to the nearest public street or open flood control facility in the event on-site pipes become plugged. The flow path shall be lower than the finish floor elevation of all habitable structures. The flow path cannot rely on neighboring properties unless a storm drain easement across the neighbor is obtained. Sump properties shall be designed to discharge the 50-year recurrence interval storm event through the pipe network before habitable structures become inundated.

aaa. Where a grade differential is created along the boundary lot lines between the proposed development and adjacent property, the applicant shall install a permanent retaining wall (concrete or masonry or similar approved material) unless a slope easement is approved by the City Engineer. Said retaining wall shall be subject to review and approval of the City Engineer. A grading permit is required by the Building Inspection Division prior to starting site grading work.

bbb. SITE DESIGN:

1. During the building permit review, the plans shall show the visibility control triangle to demonstrate compliance with the Visibility Ordinance. The plans shall show that there is no obstructions adjacent to the driveways, and determine where signs or any above-grade utility boxes can be located. The Engineering Department can provide a copy of Visibility Ordinance information sheet when requested.

2. The Preliminary Landscape Plan shows trees within the landscape strip along south property line that conflict with an existing sewer line to remain. If these trees are accounted towards meeting any landscape zoning code, a revised Preliminary Landscape Plan will need to show removal of these trees and their new locations.

ccc. Prior to issuance of Building Permit, existing buildings within the project boundary shall be demolished. The applicant shall apply and receive a building permit and obtain a permit final for the demolition.

ddd. The applicant shall install private streets improvements including, but not be limited to driveways, drive aisles, parking facilities, utilities, storm water treatment facilities, screen walls, fencing, and all landscape areas. All private streets in the development shall be designed and constructed to City standards, are subject to review and approval by the City Engineer and shall be included with the improvement plans.

eee. The applicant shall obtain grading and site work permit(s) from Building Inspection Division for the site grading (rough grading and/or fine grading) and private structures including, but not limited to perimeter retaining walls.

fff. PAVEMENT MAINTENANCE PROGRAM: Prior to the issuance of a building permit, the developer's engineer shall submit a pavement maintenance program for the drive aisles and parking areas for the review and approval of the City Engineer. The developer shall incorporate the program into the required Storm Water Pollution Prevention Plan and Storm Water Treatment Measures Maintenance Agreement.

ggg. Prior to issuance of a Certificate of Occupancy or release of utilities for the building, vehicle access ways and parking facilities shown on the plans shall be paved in accordance with the recommendation of a licensed engineer based on a Traffic Index of 5.0 and striped as shown on the approved site plan. Minimum asphalt concrete thickness for the vehicle access ways shall be 4 inches.

hhh. All dry utilities including, but not limited to, electric, telephone, alarm systems, and cable television services shall be provided underground from the point-of-connection at the utility purveyor’s network to the service point. Electrical transformers shall be installed in underground vaults with an appropriate public utility easement.

iii. Multiple street trench cuts and openings (i.e. greater than two street cuts or openings) as a result of utility connections and other necessary street openings on Central Avenue shall be resurfaced from curb to curb to the satisfaction of the City Engineer. All pavement restoration and resurfacing shall be completed concurrent with the site development. The extent of street resurfacing shall be shown on the improvement plans prior to approval of Parcel Map. The extent of resurfacing to the satisfaction of the City Engineer.

jjj. All public improvements shall be designed in conformance with the City of Newark Municipal Code and the City’s adopted Standard Details in effect at the time of issuance of the permit(s).

kkk. ENCROACHMENT PERMIT: Any work performed within the City’s right-of-way, City easements, or City-owned property shall be subject to an Encroachment Permit as defined in Newark Municipal Code. All encroachment permit work is subject to adopted City of Newark Standard Details, and shall be performed by properly-licensed contractors as determined by the

City Engineer. Said contractors must provide evidence of proper licensure, insurance and City-issued Business License upon application for a permit.

lll. OTHER AGENCY APPROVALS:

1. Prior to Parcel Map recordation, the proposed water, sewer, and dry utility connections are subject to review and approval by the Alameda County Water District (ACWD), Union Sanitary District (USD), and Pacific, Gas & Electric Company (PG&E), respectively. The Title Sheet of improvement plans shall be signed by the ACWD, USD prior to recordation of Parcel Map. Any necessary site and utility design changes to satisfy requirements from the individual utilities or districts shall be the applicant's responsibility.
2. The applicant is encouraged to apply to PG&E as soon as possible to discuss the project's electrical and gas needs. Joint trench composite plans shall be part of the improvement plan submitted along with the Parcel Map application.
3. The project improvement plans along with the Hydrology & Hydraulic Report shall be submitted to Alameda County Flood Control & Water Conservation District (ACFC&WCD) for their review and approval. The Title Sheet of improvement plans shall be signed by the ACFCD prior to recordation of Parcel Map.

mmm. The developer shall repair and/or replace any public improvements along Central Avenue if damaged during construction, to the satisfaction of the City Engineer.

nnn. For the duration of all construction activities, the developer shall ensure that a water vehicle for dust control operations and a pick-up or vacuum type street sweeper to remove tracked dirt and debris from adjacent streets is kept readily available at all times during construction at the City Engineer's direction.

ooo. The developer shall implement the following measures for the duration of all construction activity to minimize air quality impacts:

1. Watering should be used to control dust generation during demolition of structures and break-up of pavement.
2. All trucks hauling demolition debris from the site shall be covered.
3. Dust-proof chutes shall be used to load debris into trucks whenever feasible. Watering should be used to control dust generation during transport and handling of recycled materials.
4. All active construction areas shall be watered at least twice daily and more often during windy periods; active areas adjacent to the existing land uses shall be kept damp at all times or shall be treated with non-toxic stabilizers or dust palliatives.
5. All trucks hauling soil, sand, and other loose materials shall be covered or require all trucks to maintain at least 2 feet of freeboard.
6. All unpaved access roads, parking areas, and staging areas at construction sites shall be paved, watered three times daily, or treated with (non-toxic) soil stabilizers.
7. All paved access roads, parking areas, and staging areas at construction sites shall be swept daily with water sweepers; water sweepers shall vacuum up excess water to avoid runoff-related impacts to water quality.
8. Limit traffic speeds on unpaved roads to 15 mph.
9. Install sandbags or other erosion control measures to prevent silt runoff to public roadways.

10. Replant vegetation in disturbed areas as quickly as possible.
11. Minimize idling time (5 minutes maximum).
12. Maintain properly tuned equipment.

These measures shall be incorporated into the grading specifications as well as the best management practices of the storm water pollution prevention plan and shall be implemented to the satisfaction of the City Engineer.

ppp. POLLUTANT REDUCTION IN STORMWATER: At no time during construction of the project shall pollutants be allowed to enter, clog, or contaminate stormdrain pipe networks or open stormwater channels in violation of Newark Municipal Code. The applicant shall contain all trash and debris for proper disposal to authorized landfills or recyclers. Erosion control features shall be deployed during the rainy season that extends from October 1st to April 15th each year, or any time rain is forecast outside of this period. Best Management Practices (BMPs) shall be strictly followed. Street sweepers must be employed if soil or debris is tracked onto the public roads from vehicles exiting the site. Standard BMPs are available from the California Stormwater Quality Association (CASQA), the United States Environmental Protection Agency (EPA), Caltrans, and others. Notes and/or illustrations shall be added to the plans that describe the BMPs to be utilized during construction. The use of manufactured erosion control woven blankets and straw wattles that utilize plastic monofilament netting is specifically prohibited.

qqq. SWPPP REPORTING: Copies of any monitoring and/or sampling reports required by the stormwater pollution prevention plan (SWPPP) and submitted by the Legally Responsible Person (LRP) to the State of California's SMARTS database shall also be submitted to the City of Newark inspector assigned to the project. The LRP shall also submit to the City a copy of the required Annual Report no later than September 1st of each year that construction is active or when erosion control features have been deployed. The report must include a summary of all sampling and analysis performed (Risk Levels 2 and 3 only), a log of all inspections performed including Rain Event Action Plans (REAP), a summary of any required corrective actions taken, and a summary of any violations.

rrr. TRAFFIC IMPACT STUDY: Transportation Impact Study prepared by Kimley-Horn, dated May 2025, identified a queuing deficiency at the northbound left-lane of intersection #5 at Cherry Street and Central Avenue. To correct the deficiency, the applicant shall be responsible for modifying signal phasing as per recommended by the approved Transportation Impact Study. The applicant shall be solely responsible for all costs associated with the traffic signal improvements. These traffic signal modifications shall be completed prior to the issuance of a Certificate of Occupancy or Temporary Certificate of Occupancy, whichever occurs first, for the project. The applicant shall submit improvement plans for the necessary modifications to the City for review and approval prior to the issuance of any Building Permit.

sss. The applicant shall provide all required paper and digital submittals of the project parcel map, improvement plans, and as-built plans as required by the City Engineer, including but not necessarily limited to the following: (1) One full-sized mylar copy and an electronic copy of the recorded parcel map; (2) Two full-sized copies, four half-sized copies, and electronic

copies of the approved improvement plans in a format approved by the City Engineer; (3) Electronic copies and one mylar set of the as-built improvement plans. All digital copies of the parcel map and improvement plans shall be prepared in accordance with Union Sanitary District digital submittal standards.

ttt. LANDSCAPE IMPROVEMENTS:

1. All landscape maintenance within the Landscape Easement shall be the sole responsibility of the property owner. The applicant shall enter into a Landscape Maintenance Agreement prior to the issuance of the building permit. The Landscape Maintenance Agreement shall run with the land and be binding on the property owner.
2. The landscape plans shall be included in the improvement plan set and shall be approved by the City Engineer prior to Parcel Map approval. landscape plans in accordance with the State of California Model Water Efficient Landscape Ordinance (MWELO) and per the Newark Municipal Code. Additionally, prior to project permit approvals, the applicant will be required to submit a completed City Landscape Document Package Review Checklist, which will be provided by the Engineering Department on request. Prior to Certificate of Occupancy, the applicant shall be required to submit a completed City Certificate of Completion Form. Prior to Building Permit issuance, submit the project Landscape Plans that demonstrate compliance to City of Newark requirements and MWELO requirements.
3. Prior to Building Permit issuance, the proposed tree species adjacent to the Central Avenue shall be shown on the plans in detail for review and approval, and coordinated with the City. The location of the trees on the project frontage along Central Avenue shall be approved by the City such that, at maturity, the tree canopies and root system do not impact the future City infrastructure.
4. Any above ground utility structures, including backflow prevention devices, and appurtenances, shall be installed within the applicant's property line and a minimum of 10 feet behind street face of curbs. The backflow prevention devices shall have a green painted security cage to protect it from vandalism. These locations shall be screened with landscaping to the satisfaction of the City Engineer. The landscape screen shall not interfere with the utility companies' or City Fire Department's access.
5. A Deferred Improvement Agreement (DIA) for the landscape and irrigation improvements may be required based on construction schedules and the potential future City project on Central Avenue. A Reimbursement Agreement to cover City Attorney fees associated with the DIA is required.

Building Inspection Division

uuu. The project is currently subject to the 2022 California Building Standards, should the project not apply for permits before December 18th, 2025 the project will be subject to the code edition that is adopted at the time when it is applied for this includes all chapters of the building standards.

vvv. Per the CEQA guidelines, the number EV spaces shall meet the requirements of CalGreen Tier 2.

Alameda County Fire Department

www. Project must comply with all building and fire code requirements in effect at time of building permit submittal.

xxx. The flow test must be conducted no more than 12 months prior to the fire sprinkler plan submittal. The flow test data should be included with the fire sprinkler plan submission.

yyy. A fire alarm system will be required in addition to the fire sprinkler system.

zzz. Fire access and water supply must be in service prior to the commencement of vertical combustible construction.

aaaa. The building must be equipped with a fire pump. Please indicate the location and size of the fire pump room, in accordance with the California Fire Code and NFPA 20.

bbbb. The project shall comply with all building and fire code requirements in effect at time of building permit.

cccc. The rolling tube steel gate shall not obstruct the fire apparatus access road. A Fire Department key box shall be provided at the gate entrance if the gate is manually operated, and a switch box shall be provided if the gate is electrically powered.

dddd. The project shall comply with all building and fire code requirements in effect at time of building permit.

eeee. High pile storage shall be submitted as a deferred submittal to the Fire Department for review and approval.

Police Department

ffff. The development shall comply with Chapter 15.06, Security Code, of the Newark Municipal Code and Section 510, Emergency Responder Radio Coverage in New Buildings, of the California Fire Code.

gggg. We would highly recommend installation of community safety cameras in common areas where the facility would be most susceptible to criminal activity. This would include parking areas, exterior pathways and exterior doors. The community safety cameras could be operated and controlled by the owner or the Building Management.

hhhh. We would highly recommend installation of a professionally monitored alarm system covering areas of the facility that would be most susceptible to criminal activity such as burglaries and cargo thefts. This would include parking areas, exterior pathways, gates, perimeter fencing as well as building windows and exterior doors.

iiii. The proposed development should comply with the City of Newark numbering system and tie in with the existing area street numbering. Additionally, the proposed buildings should display their individual street address in a manner clearly visible from the adjacent roadway and parking areas in order to facilitate public safety personnel's ability to quickly identify each location during emergency responses.

Environmental Conditions of Approval

jjjj. The following conditions of approval have been identified through this analysis and ensure implementation of applicable mitigation measures and policies set forth in the General Plan and its EIR.

AES-1: All exterior lighting shall comply with all applicable regulations in NMC §17.17.060 (Lighting and Illumination) and NMC Chapter 17.23 (Parking and Loading). All exterior lighting shall be directed on-site so as not to create glare off-site, as required by the Community Development Director.

AQ-1: The following dust control measures, as recommended by the Bay Area Air Quality Management District (BAAQMD), shall be included in the design of the proposed project and implemented during construction:

1. All exposed non-paved surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and access roads) shall be watered at least two times per day and/or non-toxic soil stabilizers shall be applied to exposed non-paved surfaces.
2. All haul trucks transporting soil, sand, or other loose material off-site shall be covered and/or shall maintain at least 2 feet of freeboard.
3. All visible mud or dirt tracked out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
4. All vehicle speeds on unpaved roads shall be limited to 15 miles per hour.
5. All roadways, driveways, and sidewalks to be paved shall be completed as soon as possible. Building pads shall be laid as soon as possible after grading unless seeding or soil binders are used.
6. Idling times shall be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes, as required by the California Airborne Toxics Control Measure (ATCM) Title 13, Section 2485 of California Code of Regulations. Clear signage regarding idling restrictions shall be provided for construction workers at all access points.
7. All construction equipment shall be maintained and properly tuned in accordance with the manufacturer's specifications. All equipment shall be checked by a certified mechanic and determined to be running in proper condition prior to operation.
8. The prime construction contractor shall post a publicly visible sign with the telephone number and person to contact regarding dust complaints. The construction contractor shall take corrective action within 48 hours. The BAAQMD's and the City's phone numbers shall also be visible to ensure compliance with applicable regulations.

BIO-1: To avoid and minimize potential impacts to nesting birds including passerines and raptors, the following measures shall be implemented:

1. Grading or removal of potentially occupied habitat shall be conducted outside the nesting season, which occurs between approximately February 1 to August 31.
2. If grading between August 31 and February 1 is infeasible and groundbreaking must occur within the nesting season, a pre-construction nesting bird survey (migratory species, passerines, and raptors) of the potentially occupied habitat (trees, shrubs, grassland) shall be performed by a qualified biologist within 7 days of groundbreaking. If no nesting birds are observed no further action is required and grading shall occur within one week of the survey to prevent "take" of individual birds that could begin nesting after the survey.
3. If active bird nests (either passerine and/or raptor) are observed during the pre-construction survey, a disturbance-free buffer zone shall be established around the occupied habitat until the young have fledged, as determined by a qualified biologist. The radius of the required buffer zone can vary depending on the species, (i.e., 75-100 feet for passerines and 200-500 feet for raptors). The dimensions of any required buffer zones shall be determined by a qualified biologist.
4. To delineate the buffer zone around the occupied habitat, construction fencing shall be placed at the specified radius from the nest within which no machinery or workers shall intrude.
5. Biological monitoring of active nests shall be conducted by a qualified biologist to ensure that nests are not disturbed and that buffers are appropriate, adjusted by a qualified biologist as needed to avoid disturbance.
6. No construction or earth-moving activity shall occur within any established nest protection buffer prior to September 1 unless it is determined by a qualified ornithologist/biologist that the young have fledged (that is, left the nest) and have attained sufficient flight skills to avoid project construction zones, or that the nesting cycle is otherwise completed.

BIO-2: Prior to any tree removal or alteration, the applicant shall obtain a tree removal permit from the City of Newark Public Works Department and implement tree planting requirements in accordance with development review.

CUL-1: During project construction, if historic, archaeological or Native American materials or artifacts are identified, work within 50-foot radius of such find shall cease and the City shall retain the services of a qualified archeologist and/or paleontologist to assess the significance of the find. adopted with the certification of the 2013 FEIR because not all impacts in the Southwest Newark Residential and Recreational Focus Area may be reduced to less than significant levels.

If such find is determined to be significant by the archeologist and/or paleontologist, a resource protection plan conforming to CEQA §15064.5 shall be prepared by the archeologist and/or paleontologist and approved by the Community Development Director. The plan may include, but would not be limited to, removal of resources and similar actions. Project work may be resumed in compliance with such plan. If human remains are encountered, all ground disturbing activities near or in any area potentially overlying adjacent human remains shall cease, the County

Coroner shall be contacted immediately, and the provisions of State law carried out.

GEO-1 Prior to issuance of a building permit, the applicant shall prepare and submit a design-level geotechnical report to the City for review and implement the recommendations herein, as approved by the City.

GHG-1: COA GHG-1 The Project shall comply with the most recent CalGreen Tier 2 EV requirements for non-residential projects and show the required number of EV spaces on the plans.

HAZ-1: Prior to issuance of any demolition permit, the applicant/project developer shall provide the City of Newark with evidence of approval by the ACWD of the Media Management Plan, titled "Data Gap Investigation and request for site closure", dated September 13, 2023, prepared by Farallon Consulting and case closure.

HYD-1: Preliminary Stormwater Treatment Plan is approved in concept only. Final approval is subject to the applicant providing, prior to the issuance of the grading permit, the necessary plans, details, and calculations that demonstrate the plan complies with the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2022-0018, revised July 1, 2022, issued to the City of Newark by the Regional Water Quality Control Board, San Francisco Bay Region.

HYD-2: Prior to issuance of a building permit, the applicant shall prepare an Operations and Maintenance (O&M) Plan for post-construction water quality. The O&M Plan shall be reviewed and accepted by the City Engineer prior to Project Construction on the site.

NOI-1: The Applicant/Project Contractor shall implement the following noise reduction measures to minimize the impact of construction noise onto offsite receivers and demonstrate compliance to the satisfaction of the City of Newark Director of Public Works or City Engineer:

1. Construct solid plywood fences around ground level construction sites adjacent to the project property line, resulting in a decibel reduction of 5-15 dBA.
2. ii. Equip all internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and appropriate for the equipment. This would provide at least a 10 dBA reduction to individual equipment noise.
3. Prohibit unnecessary idling of internal combustion engines.
4. Locate stationary noise-generating equipment such as air compressors or portable power generators as far as possible from the project property line. Construct temporary noise barriers to screen stationary noise-generating equipment at the project property line.
5. Utilize "quiet" air compressors and other stationary noise sources where technology exists.
6. Control noise from construction workers' radios to a point where they are not audible at existing residences bordering the Project site.

7. Notify all adjacent businesses, residences, and other noise-sensitive land uses of the construction schedule, in writing, and provide a written schedule of "noisy" construction activities to the adjacent land uses and nearby residences.
8. If complaints are received or excessive noise levels cannot be reduced using the measures above, erect a temporary noise control blanket barrier along surrounding building facades that face the construction sites.
9. Designate a "disturbance coordinator" who shall be responsible for responding to any complaints about construction noise. The disturbance coordinator shall determine the cause of the noise complaint (e.g., bad muffler, etc.) and shall require that reasonable measures be implemented to correct the problem. Conspicuously post a telephone number for the disturbance coordinator at the construction site and include it in the notice sent to neighbors regarding the construction schedule.

NOI-2: Prior to issuance of a demolition permit or improvements plans, the Applicant shall prepare and submit the Construction Management plan to the City's Building Department for review and shall make any modifications to the Plan for Building to find it acceptable. The Applicant/Project's Contractor shall implement the Project's Construction Management Plan included in the "Acoustical Assessment", prepared for the Project by Kimley-Horn and Associates, Inc., December 2023.

TRAN-1: Project improvements shall include a twice per cycle left-turn phase at the northbound left-turn lane of Cherry Street and Central Avenue.

UTIL-1: Prior to the issuance of a building permit, the applicant shall pay the applicable impact fees, in the amount in effect at the time.

CITY OF NEWARK
Planning Commission
City Hall, City Council Chambers

37101 Newark Boulevard, Newark, CA 94560 | (510) 578-4330 | E-mail: planning@newark.org

MINUTES

Tuesday, June 24, 2025
7:00 P.M.

A. ROLL CALL

Chair Bogisich called the meeting to order at 7:00 pm. All members of the Planning Commission were present: Chair Bogisich, Vice Chair Becker, and Commissioners Aguilar, Fitts, and Dhillon.

B. MINUTES

B1. Approval of Minutes of the regular Planning Commission meeting of June 10, 2025.

MOTION APPROVED

Chair Bogisich requested a motion. Commissioner Fitts moved, and Vice Chair Becker seconded, to approve the Minutes of the regular Planning Commission meeting on June 10, 2025. **The motion passed unanimously – 5 AYES.**

C. WRITTEN COMMUNICATIONS

None.

D. ORAL COMMUNICATIONS

Members of the public are invited to address the Planning Commission on any item not listed on the agenda. Public Comments are generally limited to 5 minutes per speaker. Please note that State law prohibits the Commission from acting on non-agenda items.

None.

E. PUBLIC HEARINGS

E.1. Public Hearing to consider DR2022-010, U2024-001, and MUP2024-001, a Resolution approving a Design Review, Conditional Use Permit, and Minor Use Permit to allow for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN: 92A-2165-14, -15, -16, and -17). The subject site is zoned GI: General Industrial and has a General Plan designation of General Industrial.

(RESOLUTION)

Associate Planner (AP) Balatbat delivered a detailed presentation on the proposed Prologis project. AP Balatbat began by providing context for the project site that included a description of the General Plan land use and Zone Map designations, prior uses and existing conditions, and a description of nearby uses. He stated that the project involves constructing a new 315,390 square-foot industrial building. The building includes 46 dock doors, and two grade-level doors located at the back of the building. He identified the requested entitlements that include Design Review for the new industrial building and associated on-site improvements, a Conditional Use Permit for an "indoor warehousing and storage" use and a "wholesaling and distribution" use, and a Minor Use Permit to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area. Regarding site improvements, AP Balatbat mentioned that the project will include new landscaping and bioretention areas featuring a variety of trees, shrubs, perennials, grasses, and groundcover. Two new driveways along Central Avenue will provide access to the site and parking areas. The site improvements include 396 automobile parking spaces, with pedestrian walkways, bicycle parking, a trash enclosure, and pathways connecting to the new building.

He also noted that sidewalks are proposed along the project frontage, and as a condition of approval, the applicant will need to revise the building permit plans to include the final sidewalk design.

AP Balatbat mentioned that the developer would add new site lighting along the property's perimeter, a truck courtyard, and trailer storage area behind the building. For

employees, an open space will be provided at the front of the building, including an outdoor cooking area and a seating area.

Regarding fencing, the site will feature several types:

- Pre-finished vertical tube steel fencing, 3-foot and 6-foot tall
- 6-foot-tall chain-link fencing, which will not be visible from Central Avenue
- 6-foot-tall combination retaining wall with chain-link above, which will not be visible from Central Avenue
- Two 6-foot-tall vertical tube steel vehicle gates

He pointed out that although the plans show chain-link fencing along part of the front property line, that fence type will need to be removed as part of the building permit revisions per the conditions of approval.

Additionally, AP Balatbat stated that the applicant requests a Minor Use Permit to install the 6-foot-tall vertical tube steel fencing within the 10-foot front setback along the property line adjacent to the Union Pacific Railroad. He mentioned that the proposed fencing meets all relevant standards, including height and material.

The project involves installation of underground utilities, stormwater, sewer, and infrastructure along Central Avenue. AP Balatbat mentioned that the City of Newark is considering a capital improvement project that includes an automobile overpass on Central Avenue across the Union pacific railroad tracks, which would be constructed adjacent to the project site . As part of the approval conditions, the applicant must coordinate with the City Engineer to obtain the necessary easements for the overpass and submit the required documentation for review and approval.

Since the building is speculative and currently has no specific tenant, the applicant intends for the facility to support various potential uses. Uses such as advanced manufacturing and research and development are considered permitted uses and would be allowed by right within the proposed building. Other uses, including "indoor warehousing and storage" and "wholesaling and distribution," require a Conditional Use Permit. Because the building is speculative, without an identified tenant, city staff included a condition of approval that requires a reduction in the number of dock doors from 46 to 32 doors with 14 door "knockouts." The condition includes a requirement that any future conversion of

the additional door knockouts into dock doors for "indoor warehousing and storage" and "wholesaling and distribution uses" would require review and approval by the Planning Commission.

AP Balatbat emphasized that the proposed project aligns with the goals of the City, the applicant, and the General Industrial (GI) zoning district.

He also shared that a Transportation Impact Study was completed to evaluate traffic impacts, including vehicle miles traveled (VMT). The study found that the project would have a less-than-significant VMT impact. It identified a potential deficiency at the Cherry Street and Central Avenue intersection, and the study recommended adjusting signal phasing in the northbound left-turn lane. That recommendation is included in the project's conditions of approval.

AP Balatbat noted that the applicant held two community meetings. The first was in December 2023 at the Silliman Community Activity Center with no public attendees, and the second took place in January 2025 at the Newark Library. Before the second meeting, the City received written public comments on sidewalk improvements, the CEQA review process, and construction timing.

Regarding environmental review, AP Balatbat mentioned that the Metropolitan Planning Group (M-Group) prepared a CEQA analysis and determined that the project is exempt from further review under CEQA Guidelines Sections 15168 and 15183, as well as Public Resources Code Section 21083.3, because it aligns with the assumptions in the City's FEIR and General Plan.

In conclusion, AP Balatbat stated that the project complies with all relevant zoning and code requirements, promotes an interactive and compatible design for the area, and enhances the overall character of the surrounding built environment. Based on the presented findings, staff recommends that the Planning Commission adopt the draft resolution approving the Design Review, Conditional Use Permit, and Minor Use Permit.

AP Balatbat offered to answer any questions and introduced the applicant team, who were also present and ready to share their presentation.

Staff Recommendation: Staff requests the Planning Commission to consider the following action:

- **Adopt the Draft Resolution, approving the Design Review (DR2022-010), Conditional Use Permit (U2024-001), and Minor Use Permit (MUP2024-001) for the project based on the findings provided in Attachment 1, Draft Resolution.**

After AP Balatbat finished his presentation, Chair Bogisich thanked him and opened the floor for questions from the commissioners.

Commissioner Fitts began by thanking him for the presentation and inquired if there is a schedule for the Central Avenue overpass, specifically when construction will start and what will happen underneath it once it is built. He noted that underpasses can sometimes attract homelessness or become hidden areas that create challenges for the city.

AP Balatbat said the construction timeline had not yet been determined. Details about the infrastructure and design under the overpass, he referred to City Engineer Scott Alman, who was attending the meeting via Zoom.

City Engineer Alman explained that the Central Avenue overpass project is currently in the design phase, with the City expecting to submit a 90% design soon. He clarified that, although the design is not finalized, there will be no vehicular access underneath the overpass, and the City requires the applicant to relinquish their abutters' rights at the property line, despite the elevated road. Beyond that, he said there are no additional details available at this time, but he emphasized that the applicant has cooperated in preparing and granting the necessary easements for the future overpass construction.

Commissioner Fitts thanked him for the information.

Commissioner Aguilar followed up with a question for the City Engineer, recognizing the progress toward the 90% design milestone. He asked if there is an estimated timeline for when the construction of the overpass will begin, and once it starts, how long completion might take.

City Engineer Alman said that no timeline is available yet. While the design is approaching 90% completion, many steps remain, so estimating the construction schedule or duration is premature.

Commissioner Aguilar thanked him for the clarification.

Next, Commissioner Dhillon inquired about traffic flow to and from the proposed site. He wanted to know where all the traffic going to the building would be coming from, expressing concerns about morning traffic congestion. Commissioner Dhillon expressed that there is a lot of traffic in the housing development area. He also expressed big trucks making turns, and whether there would be a traffic signal light.

AP Balatbat clarified that the property has multiple access points, including Sycamore Street, Central Avenue (from Cherry Street), and the Bayside Newark neighborhood. He also mentioned that the traffic impact study identified a queuing concern. One suggested solution is signal timing at the intersection of Central Avenue and Cherry Street, which will help manage traffic flow more effectively.

Commissioner Dhillon acknowledged the response and thanked staff.

Following the Planning Commission's discussion, Chair Bogisich invited the applicant, Mr. Nick Fafoutis of Prologis, to the podium to present. She asked if he had read the resolution and agreed to all the conditions of approval.

Mr. Nick Fafoutis, representing Prologis, confirmed he had read and agreed to the conditions of approval. He introduced himself as the for new acquisitions and developments in Northern California and mentioned that Prologis has worked closely with City staff over the past 18 months to advance the proposed project at 6756 Central Avenue.

He stated that Prologis, founded in 1983 and headquartered in the Bay Area, is a global industrial real estate company operating in 20 countries across four continents. Despite its size, Prologis emphasizes local impact, long-term ownership, and community partnerships, with 12 existing properties in Newark totaling 1.7 million square feet.

Mr. Fafoutis stated that the proposed project is a speculative industrial building for future manufacturing, warehousing, or distribution tenants. He explained that the site was acquired in 2019 and was previously filled with dilapidated structures and uses that did not comply with regulations. Prologis collaborated with the City to vacate tenants, demolish unsafe buildings, and prepare the site, which is now mostly vacant.

He mentioned that the proposed development aligns with the upcoming Central Avenue Overpass. He added that the original access points were revised in coordination with the City to accommodate the overpass design, and that the underground infrastructure improvements have been completed at no cost to support the overpass construction.

He noted that sustainability is key to the project, which will be:

- LEED Silver certified
- Solar-ready
- Equipped with EV charging infrastructure
- Heavily landscaped for visual and environmental quality

The building will feature a modern office space, a second-floor mezzanine, and an outdoor amenity area for employees, all designed to attract quality tenants and a strong workforce. Additionally, he mentioned that Prologis plans to install a public art piece and hopes to collaborate with a local Newark artist.

Mr. Fafoutis stated that the project involves a $100 million investment, generating approximately $2.9 million in impact fees, and is expected to create construction and permanent jobs and ongoing tax revenue.

He further stated that Prologis has continued to commit to the community by donating to the Newark Education Foundation, participating in the City's tree lighting, and sponsoring Newark Days.

Mr. Fafoutis concluded by thanking City staff and the Commission, and respectfully requested approval of the Conditional Use Permit, reaffirming Prologis's commitment to being a long-term partner in Newark.

Following Mr. Fafoutis' presentation, Chair Bogisich expressed her thanks and invited the Commission to ask questions.

Commissioner Aguilar praised the presentation and asked two important questions. First, he asked about the expected construction timeline. Mr. Fafoutis replied that if construction started in early 2026, the entire process, including site work and vertical construction, would take about 12 months.

Second, Commissioner Aguilar inquired about the current market demand for industrial users. Mr. Fafoutis explained that demand varies by region, with distribution users more common near the Port of Oakland and advanced manufacturing more prevalent in Silicon Valley. He highlighted the importance of flexibility, especially given the unpredictable global economic conditions, which is why the Conditional Use Permit (CUP) is vital.

Vice Chair Becker also praised the project, calling it a significant improvement over what he described as a long-standing "eyesore." He asked about the possibility of attracting a point-of-sale tenant, which could generate local tax revenue. Mr. Fafoutis confirmed this was a potential option, noting their financial analysis modeled various tenant types, including fulfillment and warehouse users, with potential annual tax contributions ranging from $150,000 to $900,000, depending on the tenant's profile.

Vice Chair Becker also expressed concerns about truck traffic but acknowledged that the Traffic impact study adequately addressed those issues. He then asked whether constructing the Central Avenue Overpass might interfere with the project, either during construction or once it is operational. Mr. Fafoutis explained that Prologis has been working closely with City staff to phase construction properly and avoid conflicts. He added that temporary construction easements have been well-documented, and future tenants would be fully aware of potential overpass work during lease negotiations.

Vice Chair Becker revisited the long history of the Central Avenue Overpass planning, noting that discussions had been ongoing for many years. He asked again about the construction timeline. Public Works Director Howard Young responded that, due to multiple moving parts, no definitive construction schedule exists at this time, but the City will notify stakeholders when one is established.

Chair Bogisich then opened the floor to public comments; however, no members of the public spoke up.

Following this, Mr. Stephen Cassidy, President of the Newark Chamber of Commerce, spoke to the Commission and made remarks supporting the Prologis project.

He expressed the Chamber of Commerce's strong support, highlighting the project's $100 million investment, its potential to revitalize the industrial area, create local jobs, and offer long-term economic benefits to the City. Mr. Cassidy pointed out the $2.9 million

development fees as a possible funding source for future infrastructure projects like the Central Avenue Overpass. Drawing from his experience as the former Mayor of San Leandro, he emphasized the importance of flexible land use, referencing a similar project that became a key source of tax revenue. He urged the Commission to approve the project and endorse its lasting benefits for the Newark community.

Chair Bogisich closed the public hearing and invited the Commission to share any final questions, comments, or to make a motion.

Commissioner Fitts began by sharing his long-standing concerns about the Central Avenue Overpass project, especially its uncertainty. However, after hearing the applicant's detailed explanation and understanding that the proposed development could move forward without the overpass, he felt reassured. He voiced his support for the project, calling it well-designed and beneficial to the community.

Commissioner Aguilar echoed Mr. Cassidy's earlier comments, stating that a speculative development like this demonstrates a strong vote of confidence in Newark's future and its ability to attract quality tenants. He highlighted that the project improves the underutilized site and noted that the visual renderings illustrate the positive transformation. Comparing the proposal to a past project, Mission Linen, approved several years ago, he said this new project represents a clear net benefit to the community. With that, he offered to make a motion in favor of approval.

Motion: Chair Bogisich called for a motion. Commissioner Aguilar moved to approve, and Vice Chair Becker seconded the motion. **The motion passed unanimously—5 AYES.**

F. STAFF REPORTS

None.

G. COMMISSION MATTERS

G.1 Report on City Council actions.

None.

H. PLANNING COMMISSIONER COMMENTS

Commissioner Fitts wished everyone a happy Fourth of July and encouraging the community to purchase fireworks in Newark.

Chair Bogisich thanked everyone for attending and appreciated the thoughtful presentations and reports.

I. ADJOURNMENT

Chair Bogisich adjourned the meeting at 7:45 p.m.

Respectfully submitted,

Steven Turner,
Secretary

RESOLUTION NO. _____

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK OVERTURNING THE PLANNING COMMISSION'S DECISION OF APPROVAL THEREBY DENYING DR2022-010, U2024-001, AND MUP2024-001, A DESIGN REVIEW, CONDITIONAL USE PERMIT, AND MINOR USE PERMIT FOR A NEW INDUSTRIAL BUILDING AND ASSOCIATED ON-SITE IMPROVEMENTS AT 6756 – 6792 CENTRAL AVENUE (APN: 92A-2165-14, -15, -16, AND -17)

WHEREAS, Ryan Marshall, (the "Applicant") and Prologis LP (the "Property Owner"), filed with the City of Newark an application for a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17) (the "Project"); and

WHEREAS, the property at 6756 – 6792 Central Avenue (the "Project site") has a combined lot size of approximately 756,061 square feet (17.4 acres) and has a General Plan Land-Use designation of General Industrial and is currently zoned GI: General Industrial; and

WHEREAS, the Applicant and Property Owner seek a Design Review, which pursuant to Newark Municipal Code (NMC) §17.34.020 is required for all projects that require a permit for new construction, reconstruction, rehabilitation, alteration, or other improvements to the exterior of a structure, site, or a parking area. Approval of the Design Review requires the Project to meet the Design Review criteria pursuant to NMC §17.34.060 to the extent that they apply; and

WHEREAS, the Applicant and Property Owner seek a Conditional Use Permit, which pursuant to NMC §17.09.020, an "indoor warehousing and storage" use and a "wholesaling and distribution" use requires approval of a Conditional Use Permit. Approval of the Conditional Use Permit requires the Project to meet all the following Use Permit findings pursuant to NMC §17.35.060; and

WHEREAS, the Applicant and Property Owner seek a Minor Use Permit, which pursuant to NMC §17.17.040(A)(2), an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area requires approval of a Minor Use Permit. Approval of the Minor Permit requires the Project to meet all the following Minor Use Permit findings pursuant to NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii); and

WHEREAS, a California Environmental Quality Act (the "CEQA") analysis was prepared as set forth in **Exhibit D** to evaluate the environmental impacts of the Project in accordance with the CEQA Guidelines. With implementation of the applicable mitigation measures identified in the Final Environmental Impact Report (FEIR) for the 2013 General Plan and conditions of approval as set forth in the analysis, the CEQA analysis determined and demonstrated that the Project is exempt from further environmental review pursuant to CEQA Guidelines Sections

15168 and 15183 and California Public Resources Code Section 21083.3 because the level of development proposed is within the development assumptions analyzed in the FEIR and the Project is consistent with the General Plan; and

WHEREAS, the Planning Commission held a public hearing on June 24, 2025, and after fully considering the Project, entitlements, staff report, findings of fact, conditions of approval, public comments, and all other testimony and evidence presented at the public hearing, voted 5-0 to approve the Project; and

WHEREAS, a Notice of Action describing the decision taken from the Planning Commission was sent to the members of the City Council and Planning Commission, applicant, all property owners within a minimum 1,000-foot radius of the Project site, all neighborhood and community organizations that have filed a written request for notice of projects in the area where the site is located, and all persons and groups who have filed a written request for notice regarding the specific application; and

WHEREAS, pursuant to NMC §17.31.100, a member of the City Council may call for review of a decision of the Director, Zoning Administrator, or Planning Commission; and

WHEREAS, Council Member Grindall called for a review of the Planning Commission's decision on the Project; and

WHEREAS, pursuant to NMC §17.31.060, a public hearing notice was published in The Tri City Voice on July 8, 2025 and mailed as required for a public hearing, and the City Council held a meeting on said application at 7:00 p.m. on July 24, 2025; and

WHEREAS, the City Council held a public hearing on July 24, 2025, and fully considered the Project, entitlements, staff report, findings of fact, conditions of approval, public comments, and all other testimony and evidence presented at the public hearing; and

WHEREAS, the City Council has determined that it cannot make the required findings pursuant to the Design Review criteria specified in NMC §17.34.060, Conditional Use Permit findings specified in NMC §17.35.060, and Minor Use Permit findings specified in NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii) as further explained in the findings of fact associated with this Resolution, as identified in "Exhibit A" attached to this Resolution.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newark as follows:

Section 1. That the forgoing recitals are true and correct and made part of this Resolution.

Section 2. That the City Council cannot make the necessary findings and determinations required by the NMC to approve the requested Design Review, Conditional Use Permit, and Minor Use Permit for the Project, as further set forth in "Exhibit A" attached hereto and incorporated herein by this reference.

Section 3. Based on the findings and determinations, the City Council hereby overturns the

Planning Commission's approval of the Project and denies DR2022-010, U2024-001, and MUP2024-001, a Design Review, Conditional Use Permit, and Minor Use Permit for a new industrial building and associated on-site improvements at 6756 – 6792 Central Avenue (APN 92A-2165-14, -15, -16, and -17).

This Resolution was introduced at the City of Newark City Council's July 24, 2025 regular meeting by Council Member _____, seconded by Council Member _____, and passed as follows:

Attachments
Exhibit A – Findings of Fact
Exhibit B – Project Narrative
Exhibit C – Project Plans
Exhibit D – CEQA Analysis

Exhibit A

FINDINGS OF FACT

DR2022-010, U2024-001, and MUP2024-001
6756 – 6792 Central Avenue
Alameda County Assessor's Parcel Number(s) 92A-2165-14, -15, -16, and -17

Design Review Criteria (Newark Municipal Code [NMC] §17.34.060)

A. The overall design of the project including its scale, massing, site plan, exterior design, and landscaping will enhance the appearance and features of the project site and surrounding natural and built environment.

B. The project design is appropriate to the function of the project and will provide an attractive and comfortable environment for occupants, visitors, and the general community.

C. Project details, materials, signage and landscaping, are internally consistent, fully integrated with one another, and used in a manner that is visually consistent with the proposed architectural design.

D. The design of streetscapes, including street trees, lighting, and pedestrian furniture, is consistent with the intended character of the area.

E. Parking areas are designed and developed to buffer surrounding land uses; compliment pedestrian-oriented development; enhance the environmental quality of the site, including minimizing stormwater run-off and the heat-island effect; and achieve a safe, efficient, and harmonious development.

F. Lighting and lighting fixtures are designed to complement buildings, be of appropriate scale, provide adequate light over walkways and parking areas to create a sense of pedestrian safety, and avoid creating glare.

G. Landscaping is designed to be compatible with and enhance the architectural character and features of the buildings on site and help relate the building to the surrounding landscape.

Conditional Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

B. The proposed use is consistent with the general plan and any applicable specific plan.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

Minor Use Permit Findings (NMC §17.35.060)

A. The proposed use is allowed within the applicable zoning district and complies with all other applicable provisions of this title [NMC Title 17] and all other titles of the Municipal Code.

B. The proposed use is consistent with the general plan and any applicable specific plan.

C. The proposed use will not be adverse to the public health, safety, or general welfare of the community, nor detrimental to surrounding properties or improvements.

D. Tax revenue generated by the development will exceed the City's cost of the service demand as a result of the development or a compelling community benefit will be provided.

E. The proposed use complies with any design or development standards applicable to the zoning district or the use in question unless waived or modified pursuant to the provisions of this title [NMC Title 17].

F. The design, location, size, and operating characteristics of the proposed activity are compatible with the existing and reasonably foreseeable future land uses in the vicinity.

G. The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints.

Minor Use Permit Findings for Additional Fence Height (NMC §17.17.040(A)(1)(a)(ii))

A. The additional fence height will not impair the provision of adequate light, air, circulation, and visual openness around adjacent residential structures.

B. The additional fence height will not detract from the overall appearance of the neighborhood.

C. The additional fence height is not detrimental to the health, safety, and welfare of people living in the neighborhood.

California Environmental Quality Act (CEQA) Categorical Exemption Findings



Prologis Industrial Building Project

(DR2022-010, U2024-001, & MUP2024-001)

July 24, 2025

City Council Meeting

Joseph Balatbat, Associate Planner

Agenda

1. Summary of Events
2. Call for Review
3. Project Background and Overview
4. California Environmental Quality Act (CEQA) Exemption
5. Findings of Fact
6. Staff Recommendation
7. Questions

Summary of Events

- On June 24, 2025, the Planning Commission considered the Project and adopted Resolution No. 2022 with a vote of 5-0 to approve the Project, based upon the findings contained in the Resolution and subject to the conditions of approval.

- Notice of Action describing the Planning Commission's decision was sent out, which includes the members of the City Council. The Notice of Action included procedures for a Call for Review of the decision.

- Council Member Grindall requested a Call for Review of the Planning Commission's decision to adopt the Resolution.

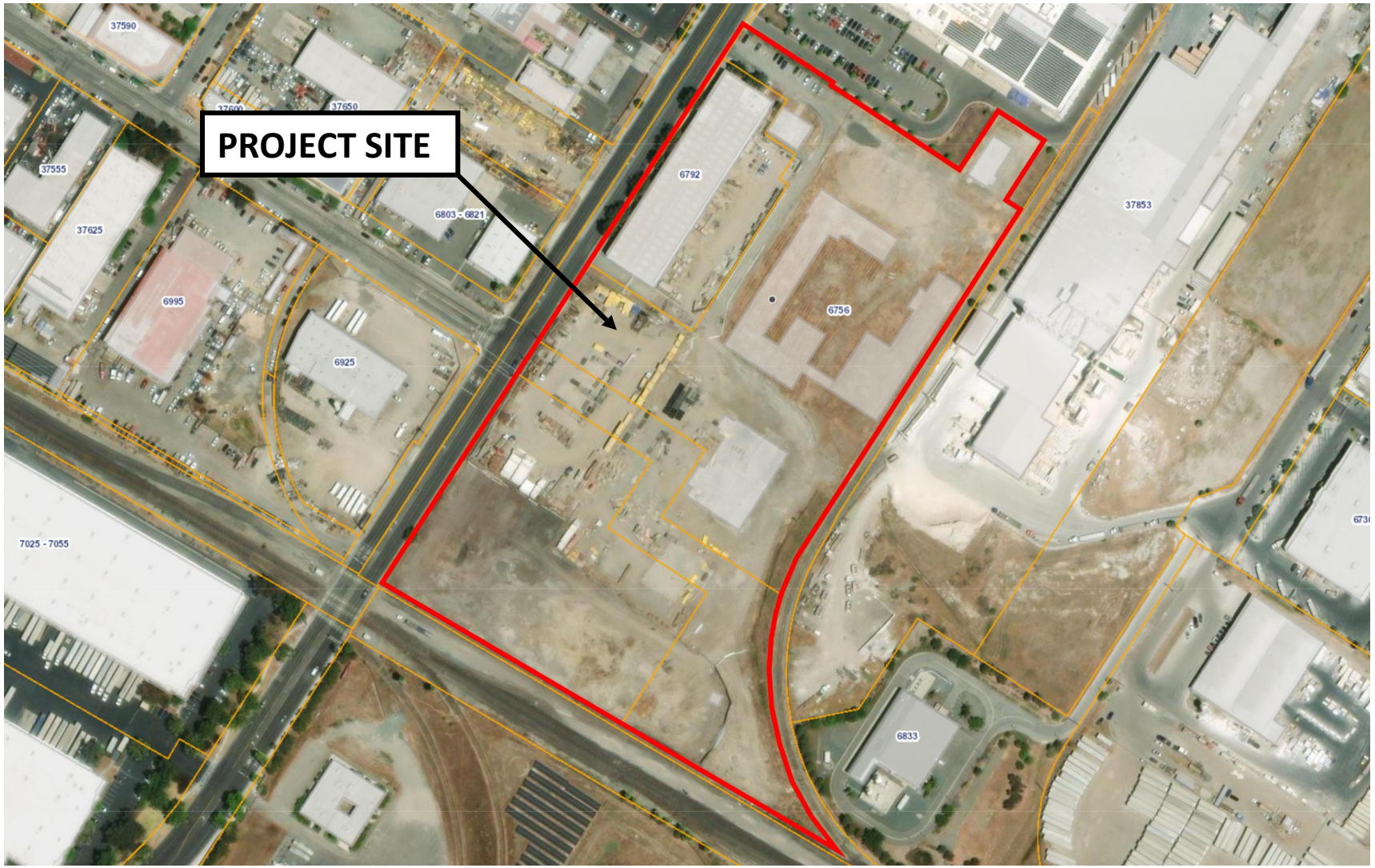
Call for Review

- Pursuant to NMC §17.31.100, a member of the City Council may submit a "Call for Review" of a decision of the Community Development Director, Zoning Administrator, or Planning Commission.

- Such call for review shall not require any statement of reasons and shall not represent opposition to or support of a decision, application, or appeal.

- Procedure:
  1. Design Review and Other Ministerial Actions. The call for review shall be scheduled as a staff report item at the next available meeting of the body which called for review.
  2. Use Permits and Other Discretionary Actions. The call for review shall be processed in the same manner as an appeal by any other person.

Project Overview



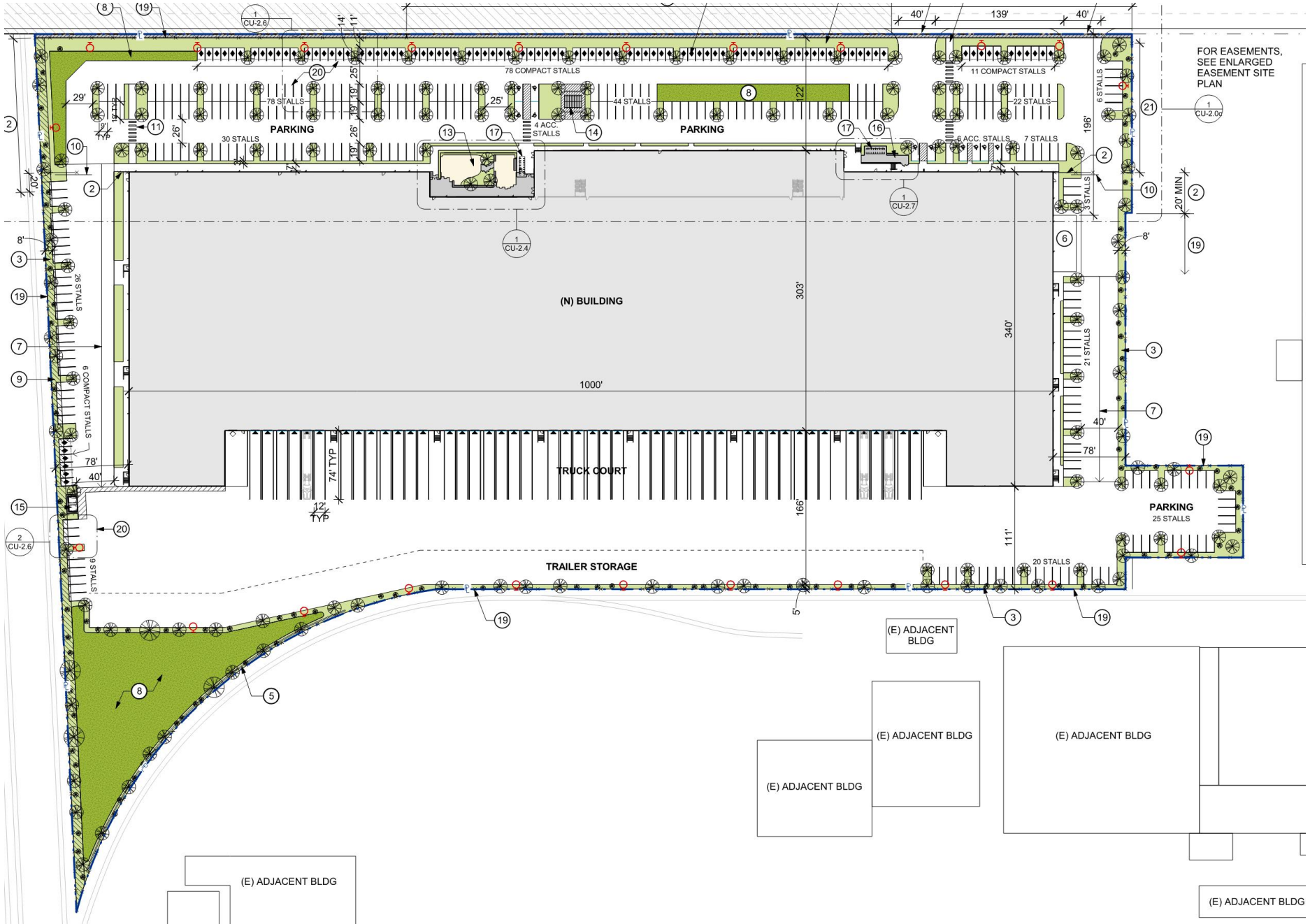
Requested Entitlements

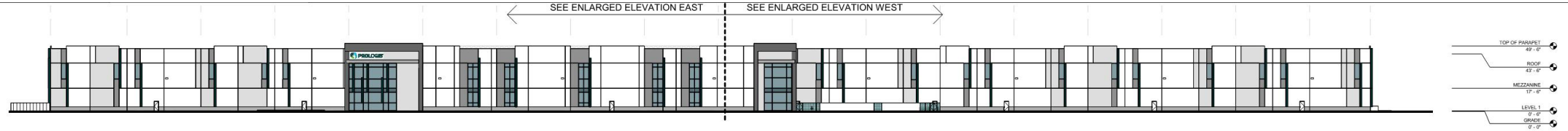
- **Design Review (DR2022-010)** for the construction of a new industrial building and associated on-site improvements.

- **Conditional Use Permit (U2024-001)** to allow for an “indoor warehousing and storage” use and a “wholesaling and distribution” use.

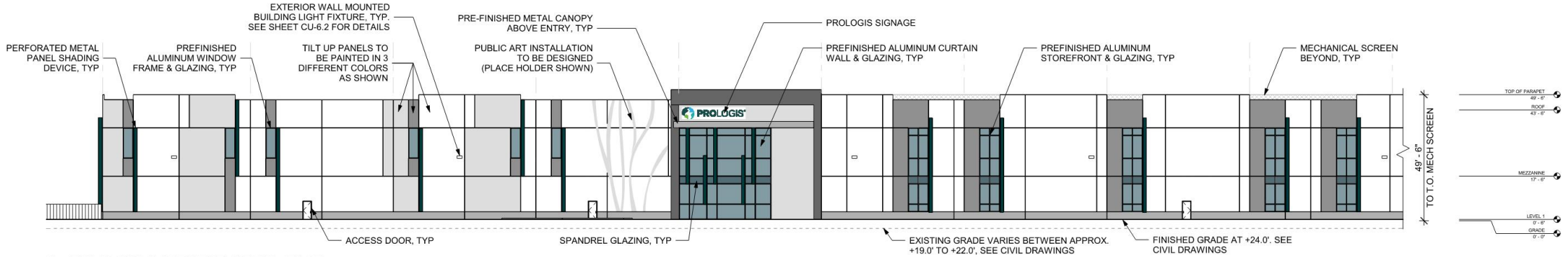
- **Minor Use Permit (MUP2024-001)** to allow for an additional height increase to the new prefinished vertical tube steel fencing to be 6 feet tall within the minimum required 10-foot front setback area.

Design Review - Site Plan

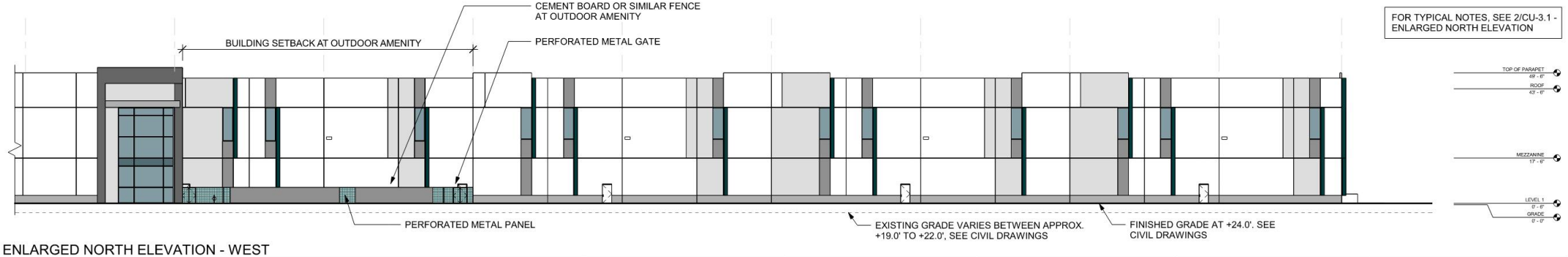




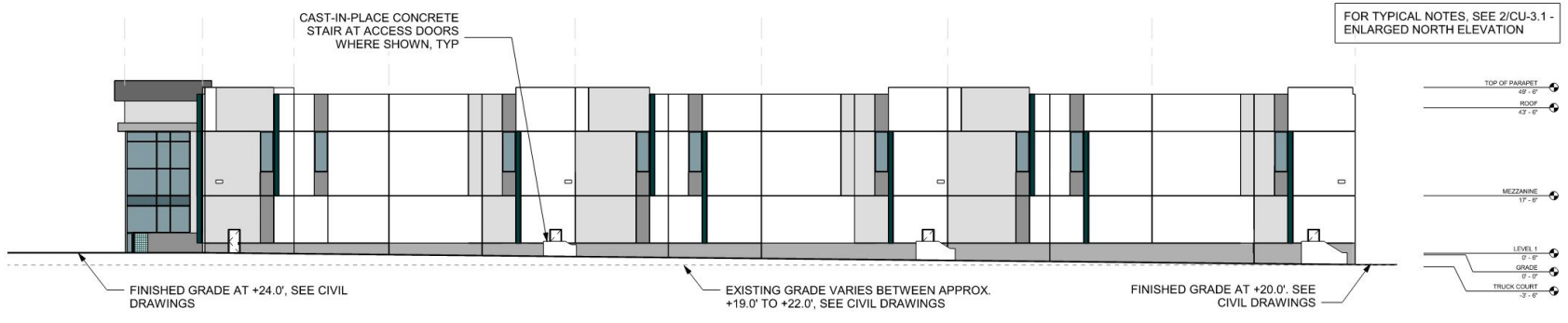
1 NORTH ELEVATION
1" = 40'-0"



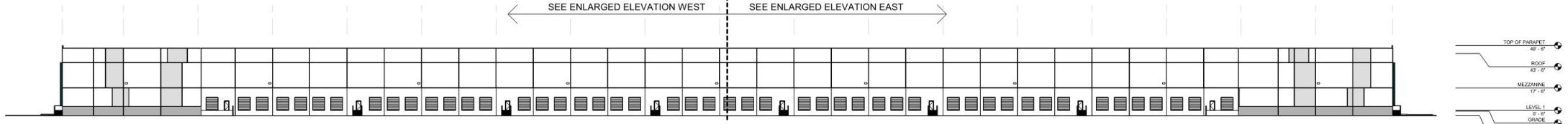
2 ENLARGED NORTH ELEVATION - EAST
1" = 20'-0"



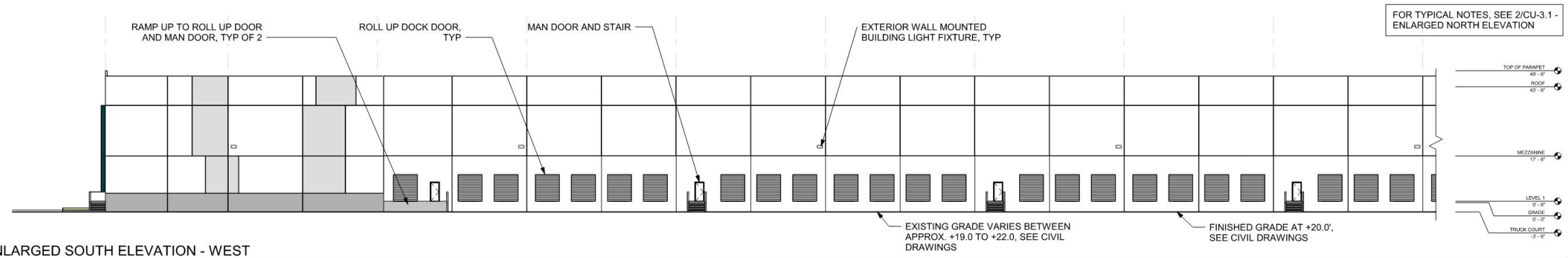
3 ENLARGED NORTH ELEVATION - WEST
1" = 20'-0"



4 WEST ELEVATION



1 SOUTH ELEVATION
1" = 40'-0"



2 ENLARGED SOUTH ELEVATION - WEST
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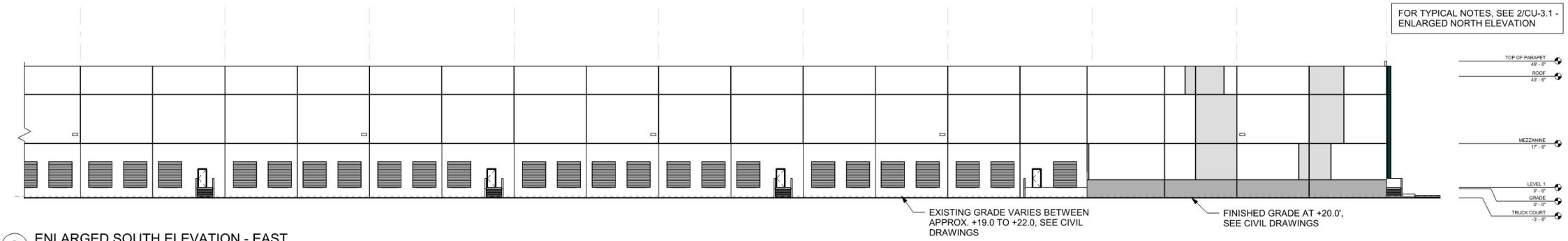
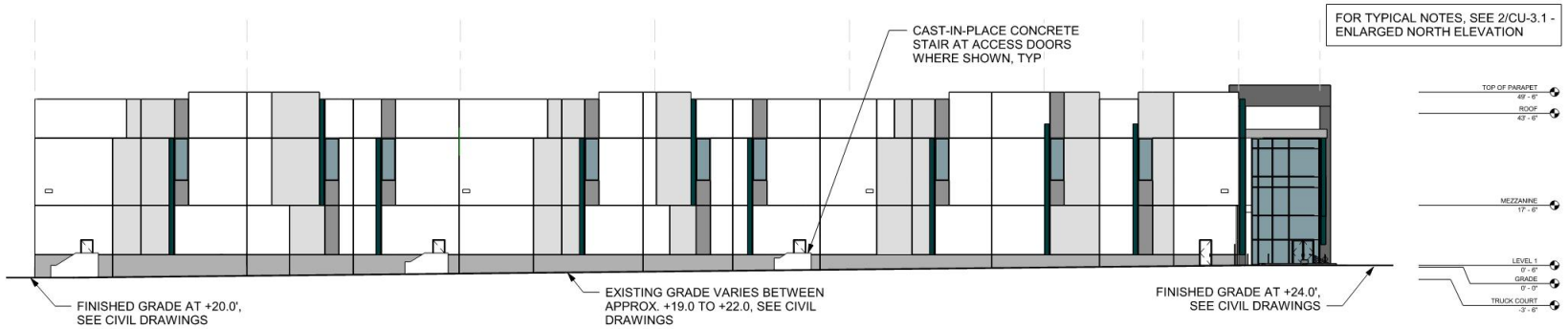
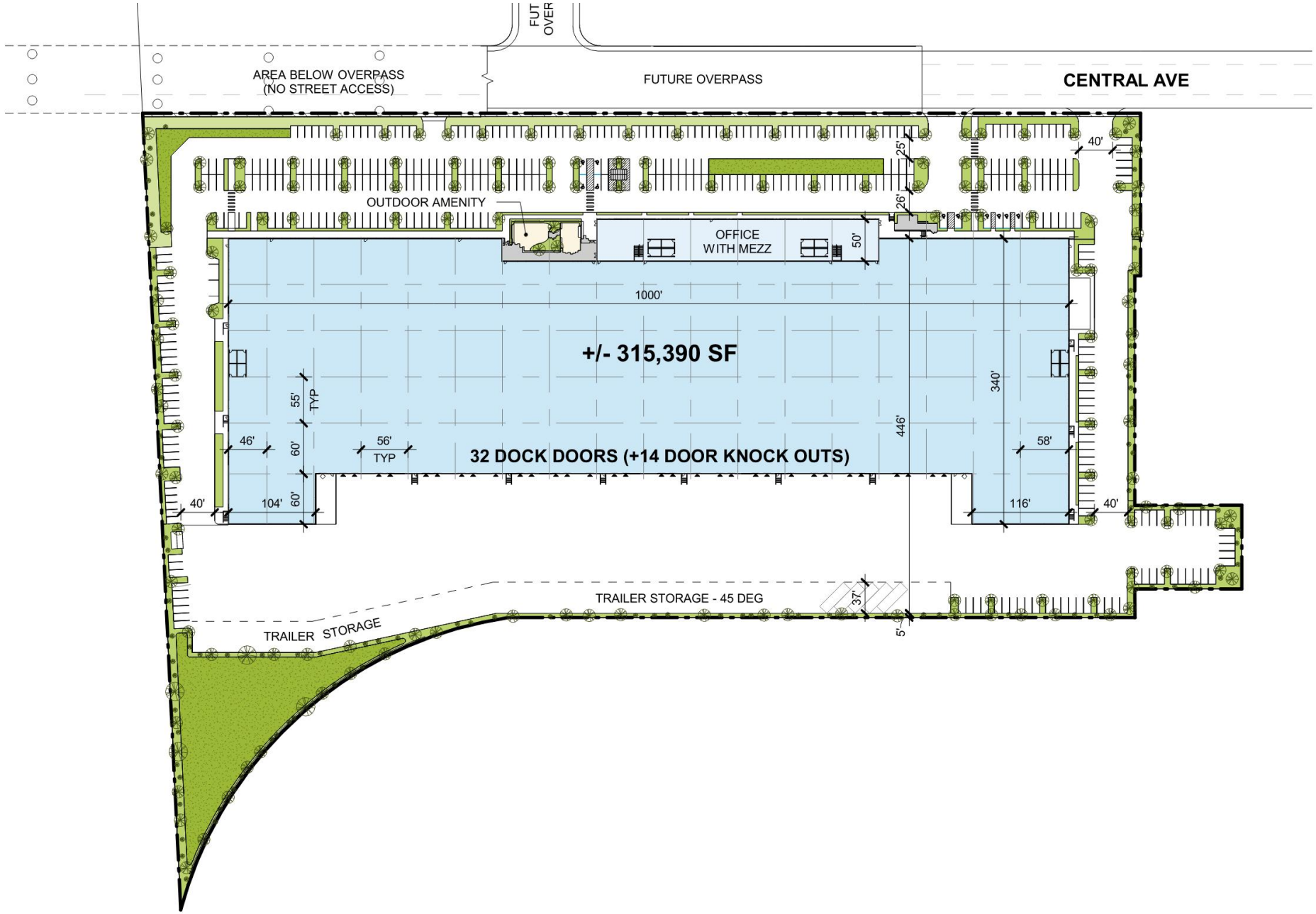


3 ENLARGED SOUTH ELEVATION - EAST
1" = 20'-0"

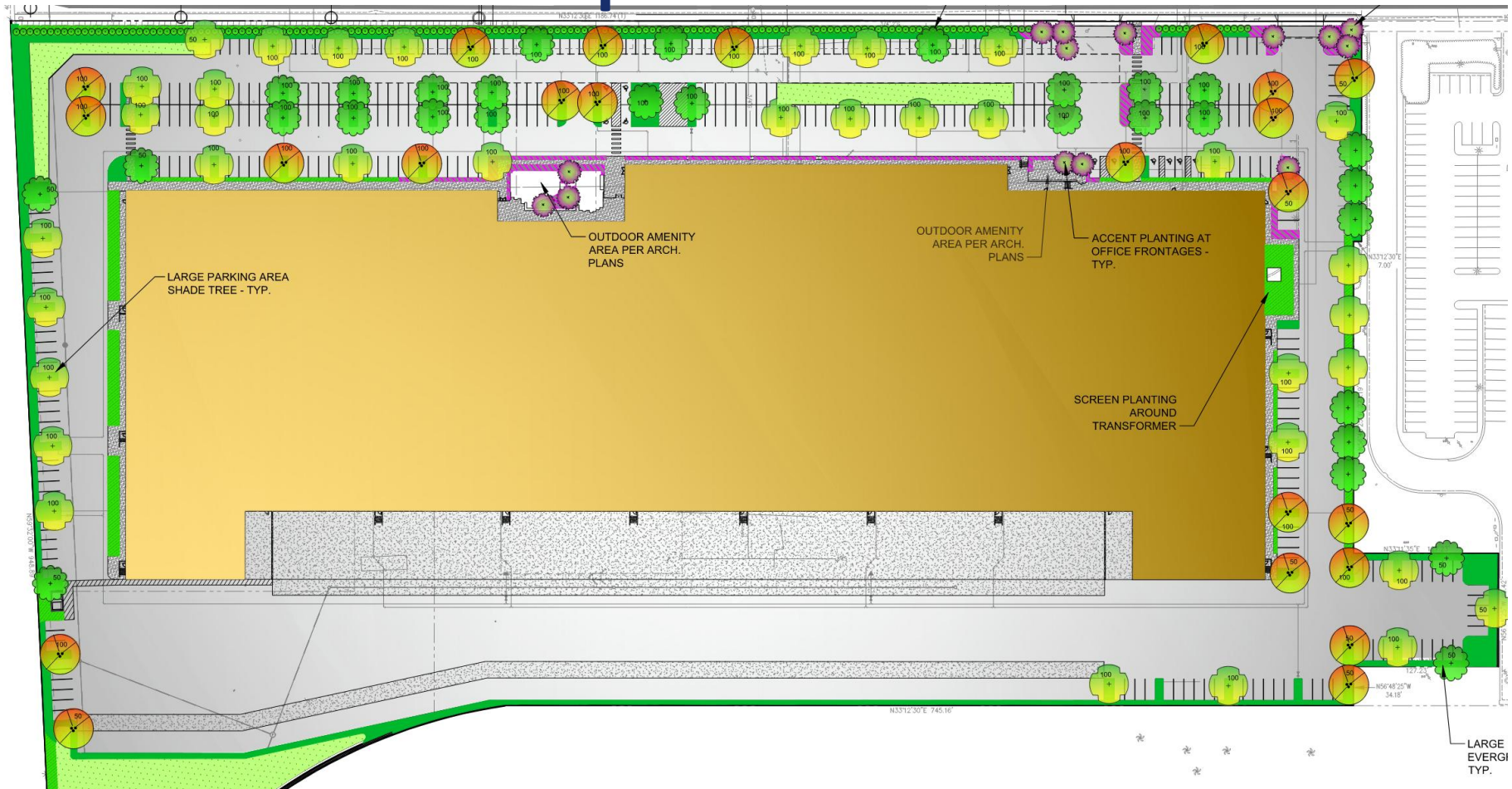
EAST ELEVATION



Conceptual Plan



Design Review – On-Site Improvements



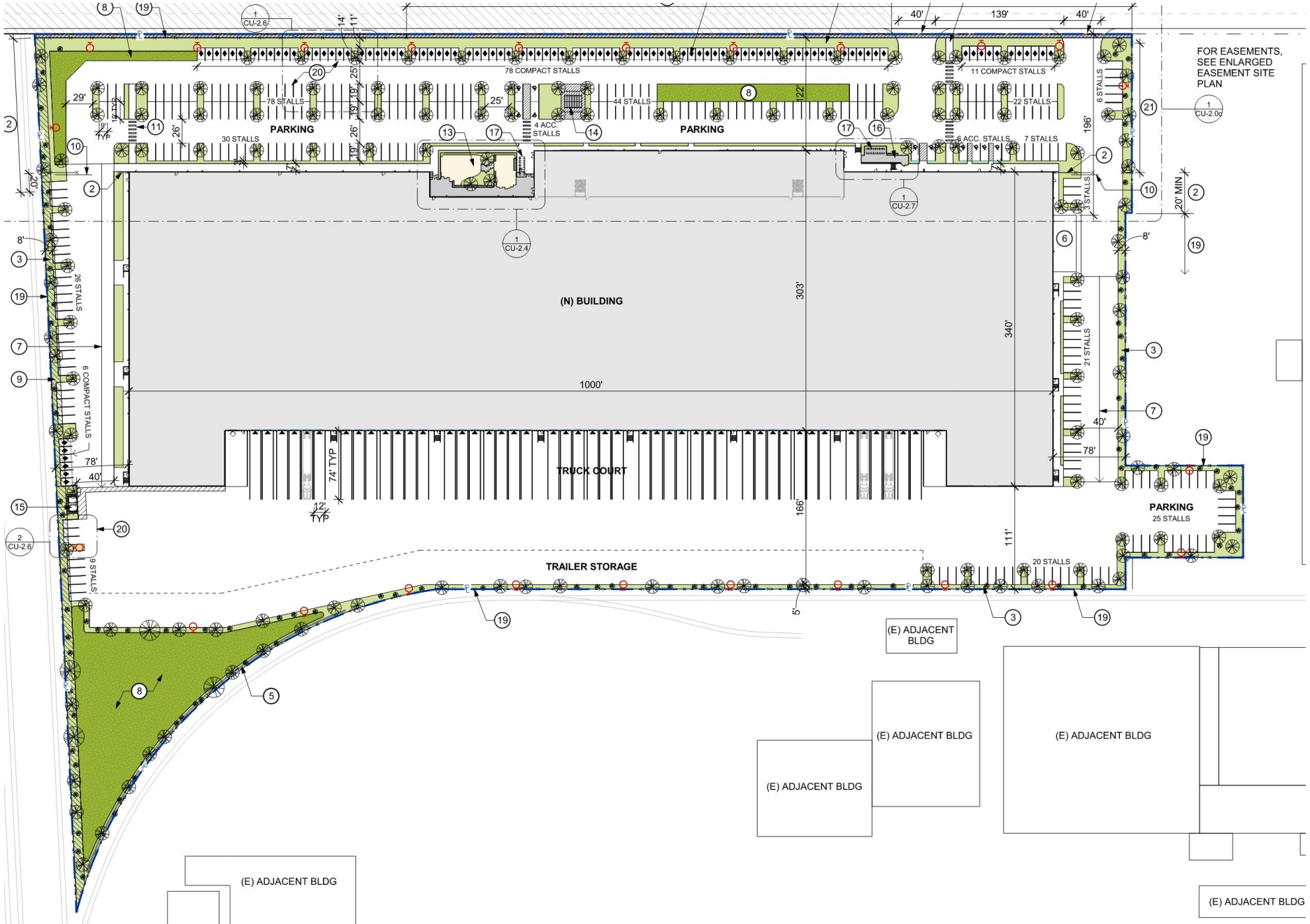
PRELIMINARY PLANT LIST

BOTANICAL NAME	COMMON NAME	SIZE	WATER REGIME HYDROZONE	MATURE HABIT H X W
TREES				
QUERCUS ILEX	HOLLY OAK	24" BOX	VL	40' X 40'
OLEA EUROPAEA 'SWAN HILL'	FRUITLESS OLIVE	15 GAL.	L	20' X 25'
PISTACIA C. 'KEITH DAVEY'	CHINESE PISTACHE	24" BOX	L	50' X 40'
ULMUS 'FRONTIER'	FRONTIER ELM	24" BOX	L	50' X 60'
LAGERSTROEMIA 'DYNAMITE RED'	CRAPE MYRTLE	15 GAL.	L	15' X 15'
LAURUS N. 'SARATOGA'	SWEET BAY	15 GAL.	L	25' X 20'
EVERGREEN SCREENING SHRUBS				
DODONEA VISCOSA	HOPBUSH	5 GAL.	L	10' X 10'
HEMEROMELES ARBUTIFOLIA	TOYON	5 GAL	VL	8' X 12'
CEANOTHUS 'RAY HARTMAN'	CEANOTHUS	5 GAL.	L	6' X 8'
ARBUTUS U. 'COMPACTA'	DW. STRAWBERRY	5 GAL.	L	8' X 10'
GRASSES				
FESTUCA MAIREI	ATLAS FESCUE	1 GAL.	L	2' X 3'

PRELIMINARY PLANT LIST

BOTANICAL NAME	COMMON NAME	SI
SHRUBS		
OLEA 'LITTLE OLLIE'	DW. FRUITLESS OLIVE	5
NERIUM OLEANDER 'PETITE SALMON'	PETITE OLEANDER	5
RHAMNUS C. 'MOUND SAN BRUNO'	COFFEEBERRY	5
CALLISTEMON 'LITTLE JOHN'	DW. BOTTLEBRUSH	5
ROSMARINUS O. 'COLLINGHAM INGRED'	ROSEMARY	5
CISTUS X 'SKANBERGII'	SKANBURG ROCKROSE	5
SALVIA C. 'POZO BLUE'	CLEVELAND SAGE	5
LEUCOPHYLLUM F. 'COMPACTA'	TEXAS RANGER	5
MYOPORUM P. 'PUTAH CREEK'	PUTAH CREEK MYOPORUM	
HESPERALOE PARVIFLORA	RED YUCCA	5
BACCHARUS P. 'CONSANQUINEA'	COYOTE BRUSH	5
LANTANA 'DWARF YELLOW'	DWARF YELLOW LANTANA	
'WESTRINGIA F. 'GREY BOX'	DW. COAST ROSEMARY	

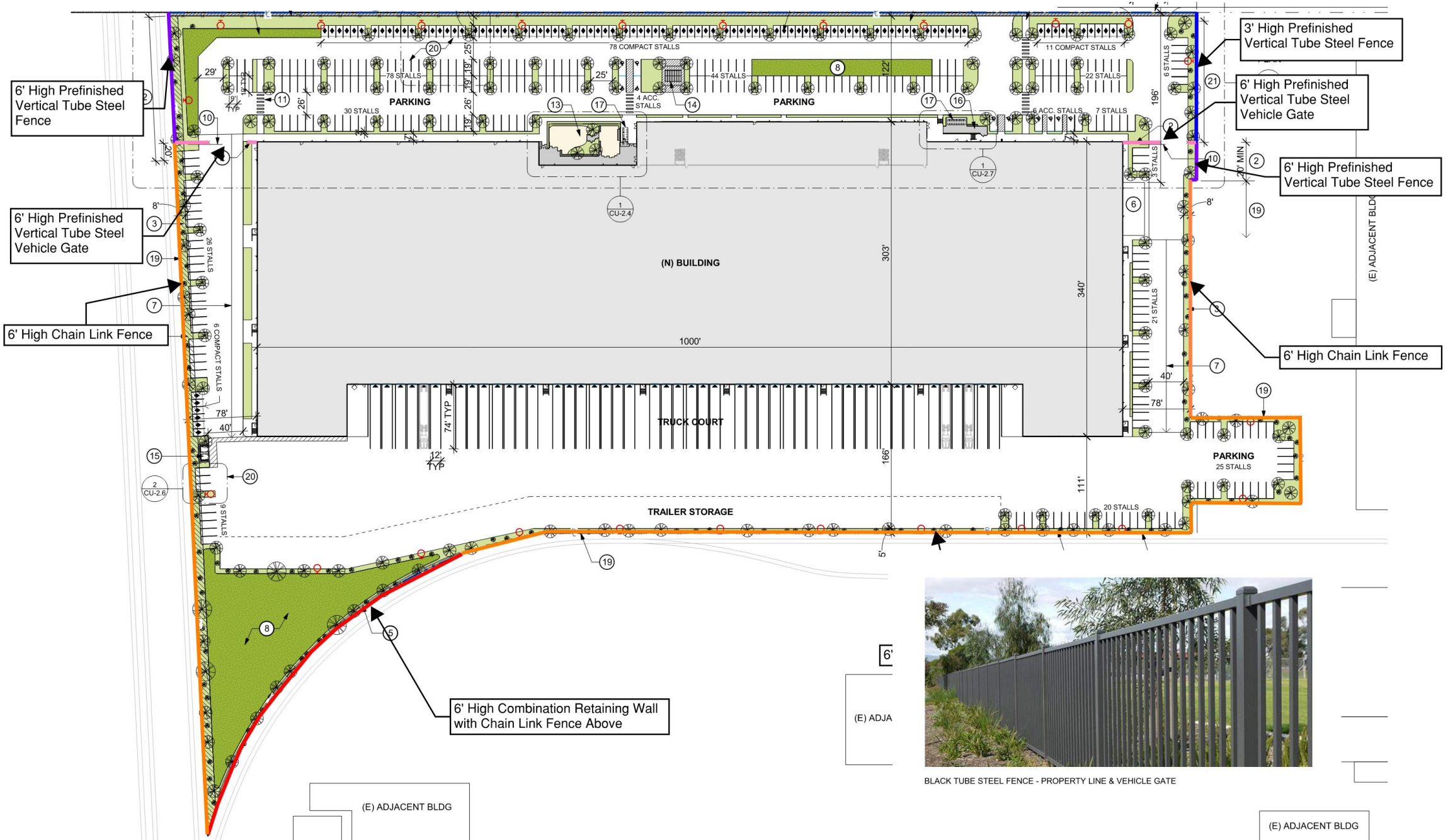
Design Review - On-Site Improvements



Design Review – Employee Open Space



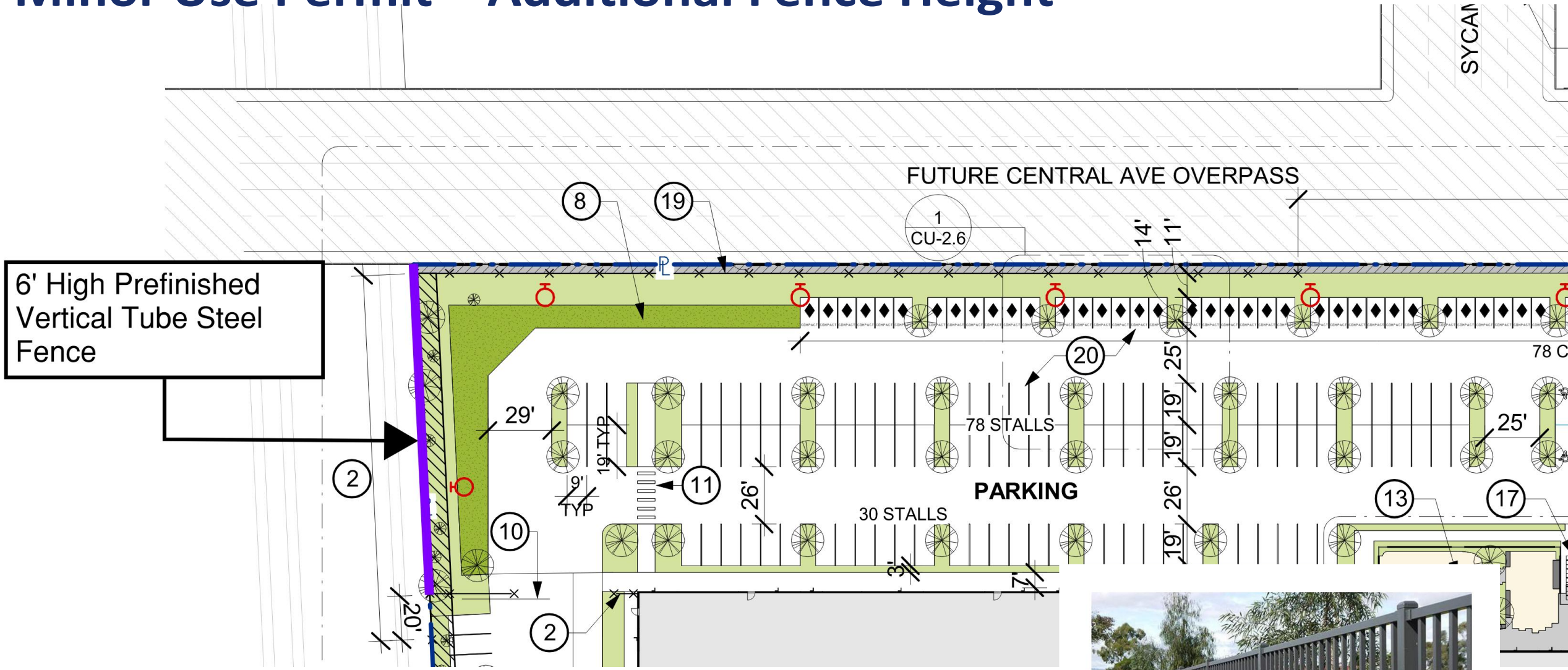
Design Review – Fences & Vehicle Gates



BLACK TUBE STEEL FENCE - PROPERTY LINE & VEHICLE GATE

Minor Use Permit – Additional Fence Height

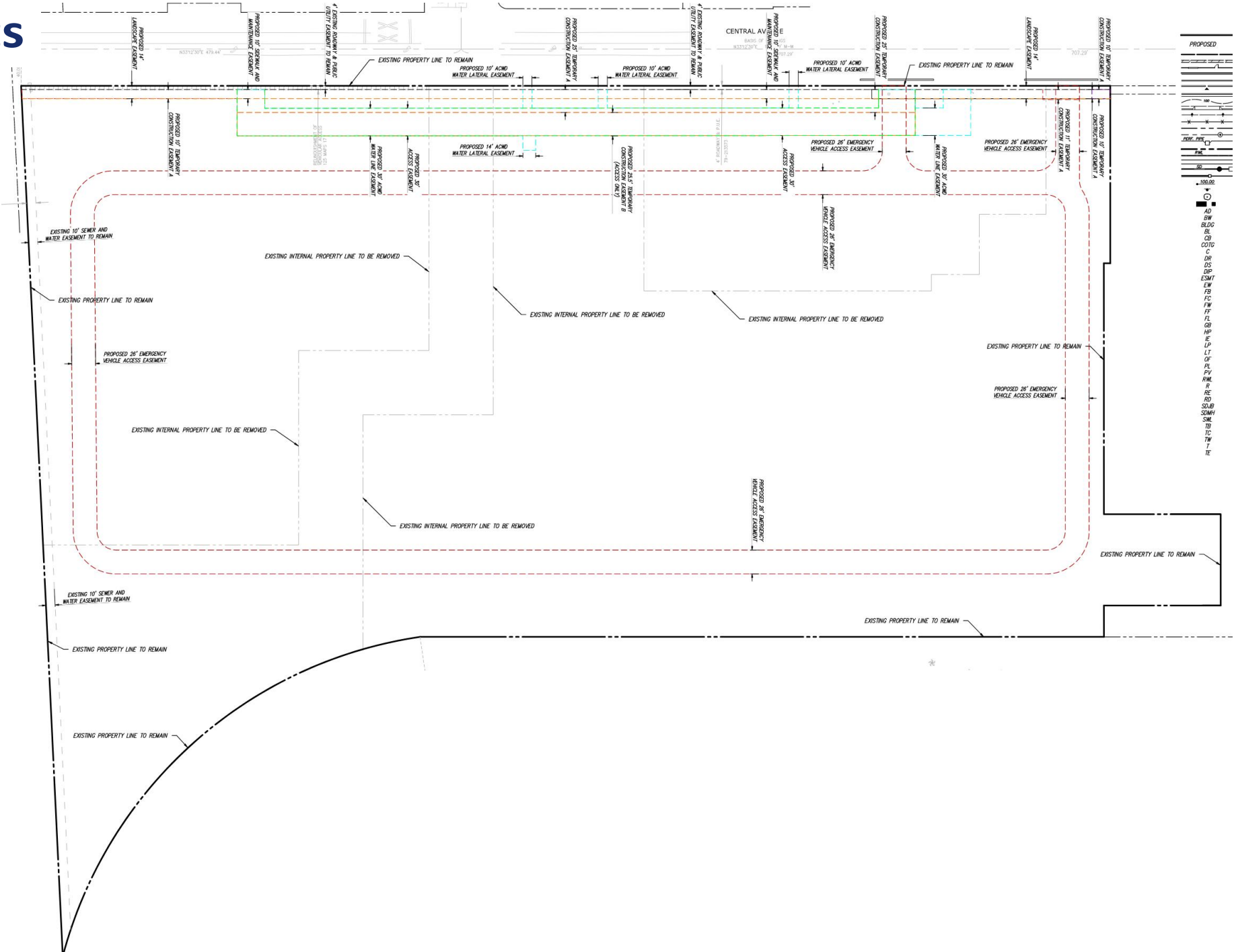
6' High Prefinished Vertical Tube Steel Fence





BLACK TUBE STEEL FENCE - PROPERTY LINE & VEHICLE GATE

Easements


CENTRAL AV
PROPOSED 14' LANDSCAPE EASEMENT
PROPOSED 10' SIDEWALK AND MAINTENANCE EASEMENT
4' EXISTING ROADWAY & PUBLIC UTILITY EASEMENT TO REMAIN
EXISTING PROPERTY LINE TO REMAIN
PROPOSED 10' ACWD WATER LATERAL EASEMENT
PROPOSED 26' TEMPORARY CONSTRUCTION EASEMENT A
PROPOSED 10' TEMPORARY CONSTRUCTION EASEMENT A
PROPOSED 14' ACWD WATER LATERAL EASEMENT
PROPOSED 30' ACWD WATER LINE EASEMENT
PROPOSED 30' ACCESS EASEMENT
PROPOSED 24'-41' TEMPORARY CONSTRUCTION EASEMENT B (ACCESS ONLY)
PROPOSED 26' EMERGENCY VEHICLE ACCESS EASEMENT
PROPOSED 11' TEMPORARY CONSTRUCTION EASEMENT A
EXISTING 10' SEWER AND WATER EASEMENT TO REMAIN
EXISTING INTERNAL PROPERTY LINE TO BE REMOVED
PROPOSED
PERF. PIPE
RWL
100.00
AD
BW
BLDG
BL
CB
CDTG
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DR
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SDJB
SDMH
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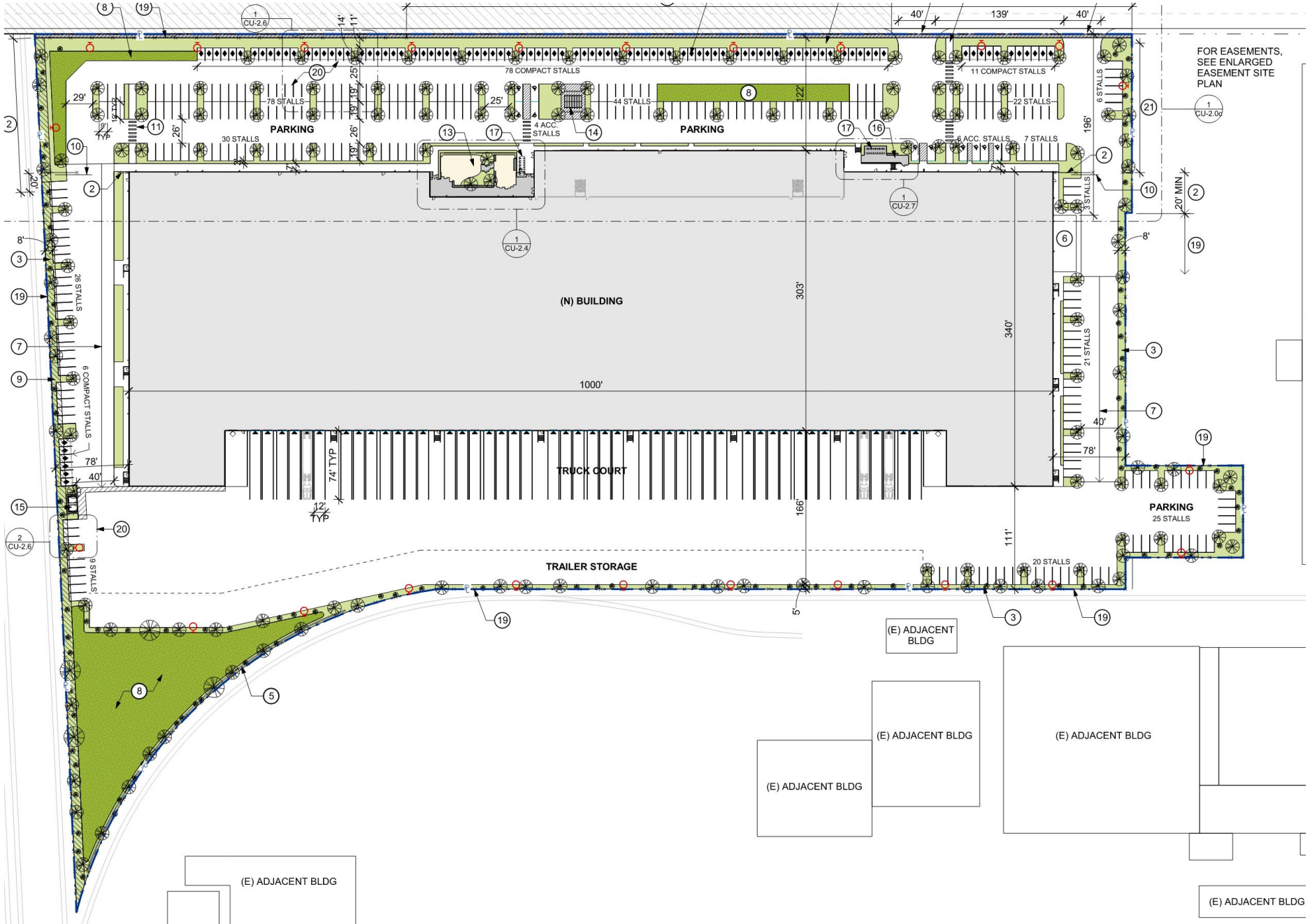
Conditional Use Permit –
“Indoor Warehousing and Storage” Use and “Wholesaling and Distribution” Use



Conditional Use Permit - Site Plan



Community Meetings

- **1st Community Meeting**
  - ❑ Date: December 18, 2023
  - ❑ Location: Silliman Community Activity Center

- **2nd Community Meeting**
  - ❑ Date: January 21, 2025
  - ❑ Location: Community Meeting Room in the Newark Library.

CEQA Exemption

- The Project is eligible for the following CEQA exemptions:
  - ***Consistency with Program EIR.*** *The City of Newark 2013 FEIR provides for streamlining and/or tiering provisions under CEQA Guidelines Section 15168. This CEQA Analysis demonstrates that the proposed Project would not result in substantial changes or involve new information that would warrant the preparation of a subsequent EIR.*

  - ***Community Plan Exemption.*** *Streamlined environmental review per Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the General Plan and will not result in significant environmental impacts that were not previously identified as significant project-level, cumulative or offsite effects in the 2013 FEIR.*

Fiscal Impact

- Based on the new building square footage (≈ 315,390 SF).
- **Community Development Maintenance Fee:** 0.5% of construction valuation

Impact Fees			
Public Safety:	$0.61/SF	=	**$192,387.90**
Community Service/Facilities:	$0.45/SF	=	**$141,925.50**
Transportation:	$5.93/SF	=	**$1,870,262.70**
Housing Impact:	$0.83/SF	=	**$261,773.70**
Art in Public Places and Private Development:	$0.21/SF	=	**$66,231.90**
Total			**$2,532,581.70**

Findings of Fact

- The Project must meet all the:
  - Design Review Criteria (NMC §17.34.060)
  - Conditional Use Permit Findings (NMC §17.35.060)
  - Minor Use Permit Findings (NMC §17.35.060 and NMC §17.17.040(A)(1)(a)(ii))

- The inability to make one or more of the criteria and findings is grounds for denial.

- On June 24th, the Planning Commission determined that the Project meets the criteria and findings for the entitlements, as outlined in Resolution 2022.

Staff Recommendation

- Staff recommends that the City Council consider one of the following actions:

1. Affirm the Planning Commission's decision to adopt the Resolution without any modifications to project approvals;
2. Affirm the Planning Commission's decision to adopt the Resolution with changes to the Project, the required findings of fact, and/or the conditions of approval; or
3. Reject the Planning Commission's decision; thereby, denying the Project based on an inability to make the necessary findings for approval.

Staff Recommendation

If the City Council determines that the entitlement findings cannot be made and decides to overturn the decision of the Planning Commission:

- A statement shall be made specifically identifying the denial findings as outlined in Attachment 5.

Questions

STAFF REPORT

Item F. 1.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Ed Miranda, Information Technology Director/CIO
SUBJECT	Adopt a resolution to award a Broadband Public-Private Partnership contract to Smart Fiber Networks

SUMMARY AND RECOMMENDATION

This staff report summarizes the City of Newark's strategic broadband efforts and outlines the rationale for selecting a Public-Private Partner (P3) to implement the Broadband Master Plan. The report recommends award of the P3 contract to Smart Fiber Networks based on proposal responsiveness, qualifications, pricing, and alignment with long-term City goals.

Staff recommends that the City Council consider adoption of a resolution awarding a Public-Private Partnership contract to Smart Fiber Networks for design and implementation of broadband infrastructure, including connection of City facilities and public access infrastructure.

BACKGROUND

Seed funding

In March 2021, the federal government passed the American Rescue Plan Act (ARPA), allocating $11.8 million to the City of Newark through the State and Local Fiscal Recovery Fund (SLFRF). The City designated $1.2 million for broadband development:

- $200,000: Citywide Broadband Master Plan
- $1,000,000: Broadband infrastructure implementation

Resolution No. 11275 adopted by City Council on October 28, 2021, approved these priorities.

Additionally, on July 27, 2023, City Council adopted Resolution No. 11554, accepting $1,800,000 State grant funding for broadband improvements. This funding was secured through the lobbying efforts of City staff and Assemblymember Alex Lee with appropriations from Assembly Bill 179.

Broadband Master Plan

After broad community and focused business outreach efforts, a 10-year strategic Broadband Master Plan (Plan) was developed and adopted by City Council via Resolution No. 11680 on July 25, 2024. The Plan outlines a strategic framework to

improve and expand internet access for all community sectors. Its purpose is to guide investments, partnerships, and policies that support digital equity, economic development, and Smart City initiatives. Smart City initiatives use technology and data-driven solutions like sensors and high-speed internet to improve quality of life. Impacts include reducing traffic, saving energy, improving safety, and making it easier for people to access city services. The following goals, key findings, and key actions are included in the Plan.

Primary Goals:

- Inclusivity – equitable broadband access citywide
- Reliability – resilient, modern infrastructure
- Affordability – low-cost service for all
- Smart City Enablement – broadband backbone to support innovation

Key Findings:

- A city-owned network would reduce the City's telecom costs
- Strong foundation to attract Public-Private Partnership investment
- Current service reliability is inconsistent
- Indoor cellular gaps in City facilities
- Need for broadband-friendly policies (e.g., dig-once, joint trench, micro trench)
- Infrastructure must support future technologies

Key Actions:

1. Assign program lead and oversight team
2. Adopt broadband policies (e.g., dig-once, joint trench, micro trench)
3. Pursue a Public-Private Partnership to develop and deliver broadband internet service
4. Develop long-term funding strategies
5. Incrementally build city-owned infrastructure

Priority Projects:
The 10-year Plan includes many projects, some with multiple phases, in order to achieve the ultimate goal of equitable access to community-wide broadband. In consideration of the current available funding and in addition to policy development tasks, two priority projects were identified:

Expansion of Wi-Fi
Wi-Fi is a technology that lets devices like phones, laptops, and tablets connect to the internet wirelessly using radio waves instead of cables. While a long-term goal is to ensure community-wide access to reliable high-speed wi-fi, that is a multi-year process requiring an undetermined amount of funding in the millions of dollars. Staff recently applied for a federal grant that could outfit most of the City with fiber infrastructure to improve internet access, reliability, and affordability. Staff anticipate receiving results of the grant application in the fall.

Part of the goal of community-wide broadband includes offering free wi-fi to the public at City sites. Currently, free wi-fi is available while visiting David W. Smith City Hall, Newark Police Department, Clark W. Redeker Newark Senior Center, and the

George M. Silliman Community Activity Center. With the available funding, expanding free public wi-fi to four major parks is planned for prioritization. This includes Newark Community Center Park, Birch Grove Park, Jerry Raber Ash Street Park, and Mel Nunes Sports Field Park.

Fully-connected City Infrastructure
To improve security and efficiency of the City's network, another identified priority project is to connect all City facilities using underground and aerial fiber routes. Benefits of this inter-connection include improved City operations, reduced City telecom expenses, a broadband fiber optic backbone to support innovation, and enhanced business attraction.

DISCUSSION/ANALYSIS

To complete the identified priority projects, a public-private partnership (P3) was identified as the most cost-effective and efficient means of achieving the City's goals. A broadband P3 is a contractual agreement between a government entity and a private company to develop and deliver broadband internet service. It combines the resources and expertise of both sectors to improve internet access, particularly in underserved areas. By sharing risks, P3s can make large-scale broadband projects more feasible and attractive to private investors. P3s can streamline the process of building and deploying broadband networks compared to traditional government-led projects.

The Request for Proposals for a Broadband Public-Private Partnership was released April 28, 2025, and closed June 5, 2025. Six proposals were received:

- Bonfire
- California Broadband Alliance (unresponsive)
- Circet USA (unresponsive)
- Pivot-Tech Development (unresponsive)
- Smart Fiber Networks
- SmartWAVE Technologies LLC

Proposals were reviewed by a committee including City department representatives and the Information Technology Steering Committee. Top respondents were further interviewed.

Smart Fiber Networks scored highest overall and was identified as the most responsive, scalable, and investment-ready partner. Their model includes a physical fiber optic infrastructure available to other businesses and households (open-access infrastructure) with a 60/40 profit-sharing fee structure (Vendor/City), designed to lower prices through internet service provider competition and provide meaningful City revenue. In addition, Smart Fiber Networks was the lowest responsible bidder.

FISCAL IMPACT

The total cost of the proposed Broadband Public-Private Partnership contract with Smart Fiber Networks is $3,281,559, which includes:

- Phase 1: $1,868,039
- Phase 2: $526,560
- Phase 3: $600,859
- Fiber Maintenance (5 years): $234,000
- Wireless Maintenance (5 years): $22,800
- Pole Attachment Fees: $29,300

The following funding sources have been secured, received, and earmarked for the Broadband Initiative:

- $1,000,000 – American Rescue Plan Act (ARPA) allocation, previously designated for broadband implementation and now available for re-appropriation from the Revenue Restoration Fund
- $1,800,000 – Federal appropriation secured through Assemblymember Alex Lee (AB179 allocation)
- $700,000 – Public, Educational, and Governmental (PEG) access funds available for capital broadband-related expenditures

Although all funding sources are fully received and available, City Council action is required to appropriate Broadband Master Plan funds, ARPA Revenue Restoration funds, State Grant AB179 funds, and Public, Educational, and Government (PEG) funds into Capital Improvement Project No. 1418 – Broadband Initiatives project as part of the Fiscal Year 2025-26 budget cycle.

The total available funding fully supports the project cost, and no General Fund appropriation is required.

REVIEW AND APPROVAL

Prepared by - Edwin J. Miranda, Information Technology Director
Reviewed by - Lenka Hovorka, Assistant City Manager
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Resolution - Broadband Public Private Partnership

Presentation - Broadband Public Private Partnership

Broadband Master Plan

RESOLUTION NO.

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NEWARK AUTHORIZING THE AWARD OF A BROADBAND PUBLIC-PRIVATE PARTNERSHIP CONTRACT TO SMART FIBER NETWORKS AND APPROPRIATING FUNDS TO CAPITAL IMPROVEMENT PROJECT NO. 1404

WHEREAS, on March 11, 2021, the American Rescue Plan Act (ARPA) was signed into law, allocating $11.8 million in federal relief funds to the City of Newark through the Coronavirus State and Local Fiscal Recovery Fund; and

WHEREAS, by Resolution No. 11275 adopted on October 28, 2021, the City Council approved the allocation of $200,000 for the development of a Citywide Broadband Master Plan and $1,000,000 for partial implementation of broadband infrastructure; and

WHEREAS, the remaining $1,000,000 previously allocated for broadband infrastructure under Resolution No. 11275 was subsequently transferred to the City's Revenue Restoration Fund and is now available for re-appropriation to Capital Improvement Project No. 1404 – Broadband Initiatives; and

WHEREAS, an additional $1,800,000 was secured through the lobbying efforts of City Staff and Assemblymember Lee with appropriations from Assembly Bill 179 and accepted by City Council on July 27, 2023 via Resolution No. 11554; and

WHEREAS, the City Council adopted the Citywide Broadband Master Plan via Resolution No. 11680 on July 25, 2024, which outlines a ten-year strategy for achieving citywide high-speed broadband connectivity, supporting Smart City goals, and enabling equitable access to broadband for all Newark residents and businesses; and

WHEREAS, the City issued a Request for Proposals (RFP) on April 28, 2025, to identify a qualified Public-Private Partner to implement key elements of the Broadband Master Plan, including construction of a fiber-optic backbone and the provision of open-access broadband services; and

WHEREAS, after thorough evaluation of six submitted proposals, including interviews conducted by the City's broadband consultant GTG, Smart Fiber Networks was determined to be the most responsive and qualified proposer, offering a comprehensive and scalable broadband infrastructure solution aligned with the City's vision; and

WHEREAS, Smart Fiber Networks' proposal includes a total cost of $3,281,559 across three project phases and five years of operations and maintenance, with a 60/40 (Vendor/City) profit-sharing model that supports open-access and competitive ISP engagement; and

WHEREAS, funding for the project has been fully secured, received, and earmarked from the following sources:

- $1,000,000 from the American Rescue Plan Act (ARPA), available via the City's Revenue Restoration Fund
- $1,800,000 from Assembly Bill 179 appropriations secured by Assemblymember Alex Lee
- $700,000 from previously collected Public, Educational, and Governmental (PEG) access funds designated for eligible capital broadband infrastructure; and

WHEREAS, appropriation of these funds into the Fiscal Year 2025–26 Biennial Budget is necessary to proceed with contract execution and construction activities under Capital Improvement Project No. 1404 – Broadband Initiatives.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Newark as follows:

1. The City Council hereby awards a Broadband Public-Private Partnership contract to Smart Fiber Networks in an amount not to exceed $3,281,559 and authorizes the City Manager to execute the contract and any associated documents necessary to implement the project.

2. The City Council hereby authorizes an amendment to the Fiscal Year 2025–26 Biennial Budget and Capital Improvement Plan to appropriate a total of $3,500,000 to Capital Improvement Project No. 1404 – Broadband Initiatives, including $1,800,000 from the AB179 Federal Appropriation (Fund 492), $1,000,000 from the ARPA Revenue Restoration Fund (Fund 110), and $700,000 from the PEG funds (Fund 611), as follows:

TO:	610.90.094.940.6221.CIP1404	Broadband Initiatives	$170,000
FR:	610.90.094.940.6221.CIP1418	Broadband Master Plan	$170,000
TO:	610.90.094.940.6221.CIP1404	Broadband Initiatives	$1,630,000
FR:	492.00.000.000.9999	State Grants AB179 - Broadband	$1,630,000
TO:	610.90.094.940.6221.CIP1404	Broadband Initiatives	$1,000,000
FR:	110.00.000.000.9999	ARPA Revenue Restoration Funds	$1,000,000
TO:	610.90.094.940.6221.CIP1404	Broadband Initiatives	$700,000
FR:	611.00.000.000.9999	Public, Educational, and Governmental (PEG) Funds	$700,000



Broadband Public-Private Partnership

July 24, 2025

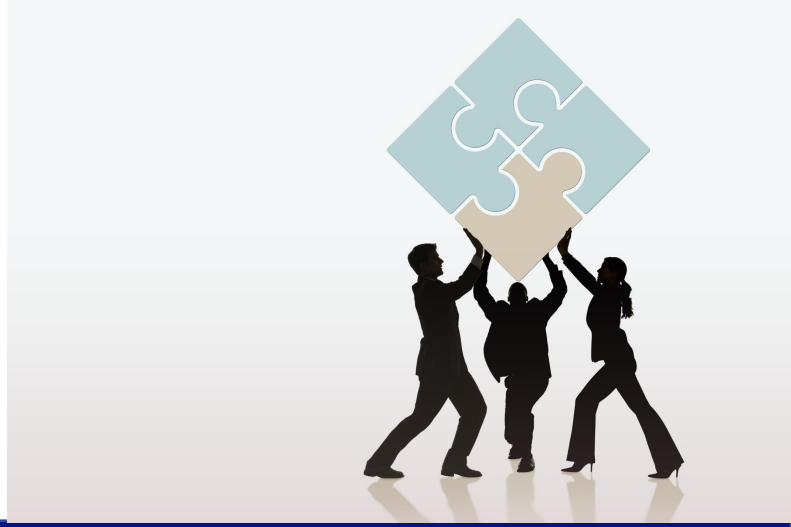
City Council Meeting

Ed Miranda, Information Technology Director

Broadband Public-Private Partnership

Background: Broadband Master Plan Development

- Funding secured through American Rescue Plan Act (ARPA)
- Community outreach: March - August 2023
- Plan adopted: July 2024
- Strategic framework to improve and expand internet access for all community sectors



Broadband Public-Private Partnership

Background: Goals

- Inclusivity
- Reliability
- Affordability
- Smart City enablement



Broadband Public-Private Partnership

Background: Key Findings

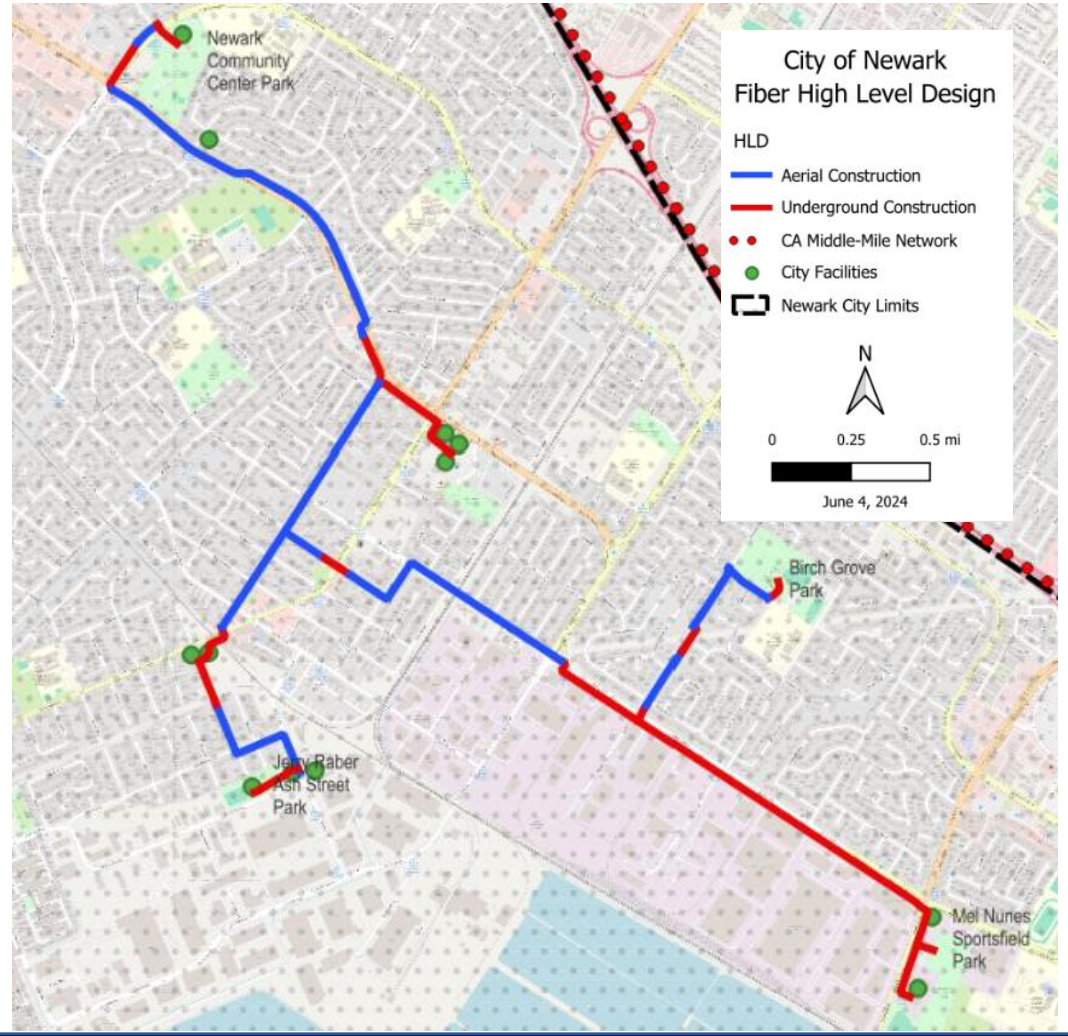
- City-owned fiber network = telecom cost savings
- Broadband policy needs: dig-once, joint trench, and micro trench policies
- Spotty cellular coverage in City facilities
- Inconsistent service reliability
- Infrastructure for future technologies



Broadband Public-Private Partnership

Background: Priority Projects

- Fiber to City facilities via aerial and underground routes
- Free Public Wi-Fi:
  - Newark Community Center Park
  - Birch Grove Park
  - Jerry Raber Ash Street Park
  - Mel Nunes Park
- Foundation for fiber backbone and broadband investment



Broadband Public-Private Partnership

RFP Process

Issued: April 28, 2025 | **Closed:** June 5, 2025

6 proposals received | 3 responsive:

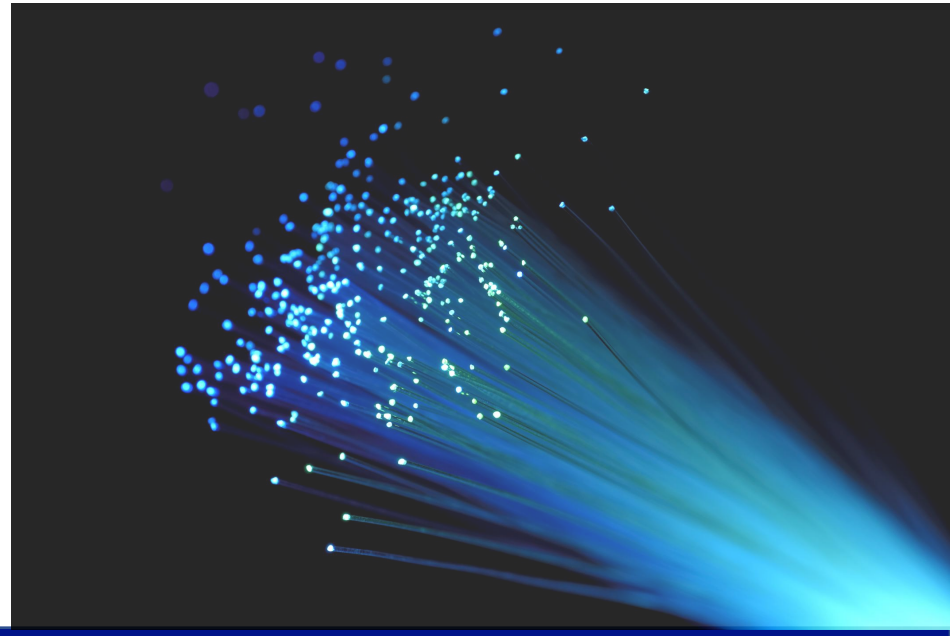
- Smart Fiber Networks
- SmartWAVE Technologies
- Bonfire

Evaluated by review committee and Information Technology Steering Committee

Broadband Public-Private Partnership

Recommended Partner: Smart Fiber Networks

- Lowest Responsible Bidder
- Top-ranked proposer with scalable model
- Open-access platform with 60/40 revenue share (Vendor/City)
- Local Experience
- Prequalified for Broadband, Equity, Access & Deployment (BEAD) funding



Broadband Public-Private Partnership

Project Cost & Fiscal Plan

Total Proposal Cost: $3,281,559

Available Funds:



$1M American Rescue Plan Act (ARPA)

$1.8M Assembly Bill 179

$700K Public, Educational, and Governmental Access (PEG)

Broadband Public-Private Partnership

Staff Recommendation

- Adopt a resolution to authorize the award of a Broadband Public-Private Partnership contract to Smart Fiber Networks and appropriate additional funds to Capital Improvement Project no. 1418



Broadband Public-Private Partnership



Broadband Master Plan and Smart City Report

for

37101 Newark Blvd.
Newark, CA 94560

From

2930 Geer Rd
Suite 273
Turlock, CA 95382
(209) 678-3077
projects@GovTechGroup.net

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Executive Summary

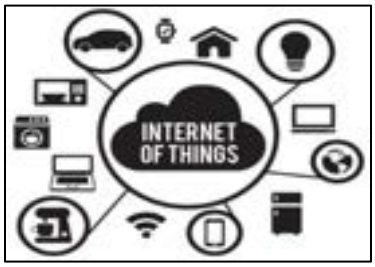
Broadband is a 21st century challenge, ranked as one of the most important technology investments to make worldwide. It is key for economic development purposes, competitiveness, job creation and a new foundation for more prosperous communities. In Newark's case, there is a desire to improve reliability and speeds in the community, including wireless and 5G technologies. Broadband increases the opportunities to achieve these goals.

Access to the internet is a critical part of everyday life for most of the world. The internet, known as a network of networks, allows individuals to connect to each other, no matter where you live or do business in the world. Broadband is the way we connect to the internet, using diverse types of technology such as copper wireline, fiber optics, cellular, wireless, coax or even satellite.

Although there are different technologies, the terms broadband and internet can be interchangeable terms that refer to ability to access the "Net" or internet. "High-speed" broadband is the term for devices to connect to the internet via wireless, fiber optics, hybrid fiber coax or DSL technologies. The Federal Communications Commission has defined broadband as internet speeds of at least 25 megabits per second (Mbps) download and 3 Mbps upload. California has set a higher standard of 100Mbps down and 20 Mbps up.

The internet of things (IoT) refers to a collective network of devices that can communicate with each other, the cloud and other networks. IoT integrates everyday "things" such as refrigerators, TVs, cars, phones and a myriad of devices and implants to continuously monitor and report their status with minimal or no human interaction needed. The IoT relies on broadband, in all its many forms, to connect to the internet.

Figure 1 - Internet of Things



Technology advancements are creating an online reality that cannot be ignored, and any city that does not embrace this new reality will be left behind. Distance learning, telehealth and remote work are requirements for residents to be able to function in this new online environment. Until recently, broadband was viewed as a luxury provided by the private sector, with cities held captive by the whims of these companies.

The City of Newark is no different. Partnering with Government Technology Group LLC (GTG), a Broadband Master Plan and Smart City Study was performed to assess broadband and Smart City opportunities in the city.

The City recognized their community's desire for high-speed, affordable broadband services. Government Technology Group (GTG) performed the assessment of the broadband and Smart City needs of the city, exploring opportunities for improving and expanding high speed broadband communications for all community members in their jurisdiction, while taking advantage of broadband communications to support innovative Smart City solutions.

The assessment included a survey of the community, workshops with residents, stakeholders and businesses and discussions with City staff to obtain a holistic view of their needs.

The outreach performed by GTG shows that the city is well served by broadband internet, but there is a need to expand fiber to other areas of the city to support municipal services and build infrastructure that could be used to improve competition between broadband providers in the city, if determined as a need in the future. Broadband expansion could also be beneficial in improving wireless connectivity in the city for public safety, public works and for the public with expanded 5G services.

For Newark to be successful in moving forward with the recommendations of the Broadband Master Plan the following top six recommendations should occur:

1) Defining roles and responsibilities, assigning a point person to lead broadband efforts, and continual oversight on program initiatives and progress.
2) Establish a staff committee for oversight and accountability for program initiatives and progress.
3) Newark should consider a public private partnership for a partner that can engineer and construct the High-Level Design as well as attract an ISP to provide Internet services to the community. The provider should also have the ability to add public/private WiFi to areas identified by the City.
4) Create policies and procedures relative to broadband development including a dig once policy and development agreement standards.
5) Finally, developing funding mechanisms or financing strategies that help pay for broadband programs (i.e. Technology Fund, PEG fees, Enterprise Funding, Utility User Tax) will be critical for the initial and ongoing success of broadband development.

6) Incrementally build city-owned broadband infrastructure with a P3 if this model is selected.

This report provides recommendations for the organization as a strategic roadmap that focuses on using time and resources efficiently.

Introduction

Methodology

The methodology GTG used for this plan consists of proven steps, encompassing the vital information needed to establish a Broadband/Smart City plan and the steps to accomplish said plan.

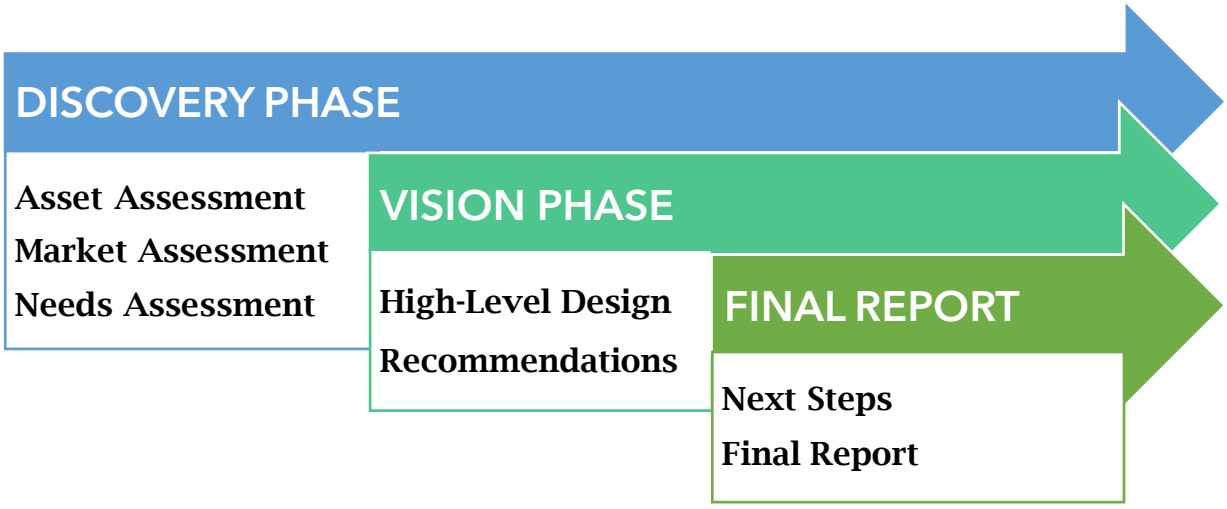


Figure 2- Methodology

Asset Assessment is investigating and analyzing what assets—street and traffic lights, towers, existing conduit or fiber, for example —exist in the city that can be leveraged for the expansion of broadband. GTG looks at city-owned assets as well as privately owned assets.

Market Assessment includes researching the area and discovering what services are available, in what areas they are available and at what price.

Needs Assessment is required to understand what the city needs to support economic development, as well as community needs related to broadband and Smart City innovation.

High-Level Design provides a road map for the expansion of broadband through construction. Although it is not always recommended that municipalities build a network to serve the community, a high-level design is necessary to understand what it would take to build a network, providing the city an opportunity to incrementally build and take advantage of Dig Once policies, developer agreements and capital projects.

Recommendations comprise the totality of the report, with an outline of the direction the city should follow to support the needs of the community.

Next Steps apply actions to the recommendations to accomplish the tasks required for implementation of the broadband and Smart City plan.

Final Report and Presentation including all the elements outlined above in a final document and presentation to staff, city council and the public, if desired.

Key Findings

- Expanding broadband to city facilities will reduce telecommunication costs for the city, while providing a foundation for improved services, such as attracting a private sector partner to expand low-cost, high-speed internet within the city.
- Most community members have access to high-speed broadband, but the existing infrastructure is not future proof i.e. fiber. Some providers are using a hybrid fiber coax solution while others continue to use dated copper lines.
- Internet Service Provider broadband infrastructure is dated impacting reliability.
- Cellular coverage within city facilities is lacking or spotty. This could be due to saturation of coverage or something blocking the signal i.e., trees and buildings.
- There is a desire for Wi-Fi for business, inclusivity, old town area, restaurant row, the Senior Center, community center and parks.
- Newark is interested in developing broadband in a way that offers a competitive advantage for its community.
- The City lacks a Dig Once policy and Developer Agreement standards for expanding broadband infrastructure at a reduced cost to the city.
- Broadband access and affordability are issues for lower-income residents. All businesses—particularly large, technology-focused businesses—need reliable, modern broadband infrastructure.

- Newark works closely with property owners and developers to streamline the development and building permit review and inspection processes. The City should continue enhancing these processes as needed.
- The City issued an RFP to reduce telephone and Internet costs to select facilities. The City's broadband plan should be considered during the evaluation process to assist in reducing costs while improving speeds and reliability.
- The City has a security framework in place, a foundational piece to support Smart City/Connected Community programs.
- The City has multiple opportunities to implement Smart City solutions, taking advantage of broadband infrastructure planned for implementation.
- The City is in the process of updating its streetlights. The new streetlights are Smart City/Connected Community ready i.e., they can be used to expand Wi-Fi when funding becomes available.
- The City has Smart City/Connected Community projects and services in place, i.e., eNotifications, TextMyGov.
- There is a desire to improve cellular coverage at the Mall and Costco. The City can help provide Wi-Fi outside the buildings, but private businesses need to work with cellular providers to improve service inside the buildings.

Asset Assessment

Assets are everything owned by a city that has inherent value. This includes physical items, as well as the non-physical, such as space and intellectual property. Asset inventory is one of the first steps in the planning process and is required to find a starting point for infrastructure expansion. For this study, GTG focused on assets that are or can be utilized for broadband. Some assets evaluated include:

- Network equipment
- Fiber optic cables
- In ground conduits
- Wireless towers and antennas
- Agreements with assets attached
- Office space, rack space

Planned Assets

Planned assets and capital improvement projects are necessary to track and are included in the network designing process because they can add a great deal of infrastructure at a reduced cost. These projects can also speed up deployment by taking advantage of opportunities that can be used later when needed. Some of the opportunities can be agreements with other agencies, counites, rail lines, internet service providers (ISPs) and more.

Newark has a few planned projects that fall into these categories:

- **Bayside Transit Oriented Development** – Future major Bay Area regional rail and bus transit center, which includes a large transit oriented residential development, located in the southwest portion of the city near the intersection of Enterprise Dr. and Willow Street.
- **Traffic Signal Interconnect** – Three separate projects running along Cherry St, Thronton Ave, and Newark Blvd provide transportation flow and control improvements.
- **Old Town Project Development Area Streetscape Improvements** – Major project to enhance the downtown core of Newark.

Each of these projects offer Newark improved opportunities to add fiber, conduit, and access points as they are developed. Additionally, these projects could help Newark expand its reach of fiber throughout the community, providing opportunities for residents, businesses, schools, and other government facilities to gain access to high-speed broadband infrastructure.

City-Owned Broadband Infrastructure

The City owns limited broadband infrastructure. To provide improved services for the community and the potential for enhanced internet services for community, the city should take advantage of Dig Once policies and regional efforts to build out the high-level design provided in this report.

Technology Trends

Overall, activities, processes and resources are being digitized. On one level, this is simply a function of the increasing capacity and speed of digital technologies. On another level, these trends are driven by a larger mega-trend

towards demand-driven, pull-based systems, including agile development and lean production.

Pull-based systems produce just-in-time results, like getting a coffee at a cafe; it is not made until you order it. Tying this to agile and lean production, you ensure information is visible and accessible as needed, improving decision making and collaboration, resulting in improved, cost-effective services. Much of the rationale for digitization has centered on cost avoidance or reduction, whereas the larger trend is primarily focused on increasing customer value and revenue in an efficient manner. These trends are interacting with larger socioeconomic factors, particularly the aging population, a shrinking workforce, and climate change. While beyond the scope of this study, this report provides a solid foundation for effectively addressing the trends noted below.

A specific trend directly impacting local governments is the emergence of a *Connected Community (Smart City),* which can be defined as "a place where traditional networks and services are made more efficient with the use of digital solutions for the benefit of its inhabitants and business."[1] While Connected Community activities have often been very technology-centric rather than citizen-centric, the general purpose is to improve and integrate public processes. Generally, Connected Communities focus on energy, environment, and public-facing activities, but major internal changes, typically referred to as digital transformation, are necessary for external improvements.

"*Digital transformation* is the integration of digital technology into all areas of a business, fundamentally changing how businesses, including local governments, operate and deliver value to customers."[2] This has important implications for municipalities, not the least of which relate to residents and other external stakeholders. For Newark, digital transformation means residents are likely working remotely or running businesses from their homes. Of course, this also implies major changes for the city itself. Specifically, citizen/customer-facing systems might be deployed and/or upgraded so the City's operations can be done completely online. This also means the City should be providing some form of connectivity, such as electronic kiosks and

[1] https://commission.europa.eu/eu-regional-and-urban-development/topics/cities-and-urban-development/city-initiatives/smart-cities_en

[2] https://enterprisersproject.com/what-is-digital-transformation

public Wi-Fi, for convenience and for those who do not have access to affordable or reliable internet at home or at their business.

Three related trends are the rise of cloud services, integration of information technologies (IT) with operational technologies (OT), and, most significant for current purposes, emergence of broadband as a utility.

Cloud services include a wide range of applications, data collection, processing and storage and network functions provided via numerous, distributed computing resources. The two major implications for municipalities are (a) reduced need to operate servers but (b) increased costs for and reliance on online services along with (c) new applications—mostly web-based—that were impractical or unavailable in the past.

A general class of cloud-based applications and related technologies focuses on adding intelligence to assets and machines of various sorts, allowing them to be integrated with information technologies (or vice-versa).

Operational technologies (OT) are "programmable systems or devices that interact with the physical environment [to] detect or cause a direct change through the monitoring and/or control of devices, processes and events."[3] For municipalities, OT includes everything from garbage trucks to traffic signals. Increasingly, OT is being added to "dumb" assets such as manholes, SCADA systems, traffic, parking meters and streetlights. Integration with IT enables cost reduction and performance improvement.

Broadband is technically any channelized communications media, but it has come to mean always-on, high-speed internet access. Broadband is important for people, as it allows them to access media content, connect with friends and pursue their interests. As businesses and government undergo digital transformation, broadband is increasingly important in everyday life. Access to education, jobs and healthcare effectively require broadband. On the other side of this trend, businesses and municipalities that do not have and use broadband are at a huge competitive disadvantage. While it may seem a bit pedantic to include broadband as a trend in a report for a broadband study, it is important to understand that broadband isn't an end, but rather a means to improved outcomes that enables other trends.

[3] https://csrc.nist.gov/glossary/term/operational_technology

Beneath all these trends runs a more fundamental observation: The critical and growing need for robust *cybersecurity*. Internet access can provide a way for malicious hackers to steal data from or take over municipal systems. As the amount of OT increases, so do the digital vulnerabilities that allow hackers to control them, operate software bots and attack other systems. Cybersecurity is as much about practices and procedures as well as technologies. For example, "deep fake" technology and spoofing—imitating or taking over accounts—are being used to get critical information or direct payments. People need to be educated about how to recognize possible scams and "social hacks" and avoid them.

Fiber optics has become the gold standard for broadband deployment. There is no broadband deployment medium that can compare to the speeds, symmetrical bandwidth or low latency that fiber optics provide. Wireless, cellular or hybrid fiber-coaxial (HFC) cannot compare to the speeds or reliability of fiber optics. Japan's National Institute of Information and Communications Technology (NICT) set a new speed record over a single strand of fiber at 1.02 petabits per second.[4]

File Downloaded	Apx. File Size	Apx. Download Times							
		Broadband Speed				Fiber Speed			
		1 Mbps	5 Mbps	10 Mbps	20 Mbps	100 Mbps	200 Mbps	300 Mbps	1 Gbps
One song (4 min)	4 MB	30 sec	5 sec	3 sec	1.5 min	0.3 sec	0.15 sec	0.1 sec	Instant
Video clip (5 min)	30 MB	3 min	40 sec	26 sec	13 sec	2.5 sec	1.25 sec	0.8 sec	0.2 sec
Audiobook (9 hours)	110 MB	10 min	2 min	1.5 min	45 sec	9.2 sec	4.6 sec	3 sec	1 sec
TV Show (45 min)	200 MB	20 min	5 min	3 min	1.5 min	16 sec	8 sec	5.3 sec	1.5 sec
HD TV Show (45 min)	600 MB	1 hour	15 min	8 min	4 min	50 sec	25 sec	17 sec	5 sec
Movie (2 hours)	1500 MB	2 hours	25 min	15 min	7 min	1.5 min	45 sec	30 sec	8 sec
HD Movie (2 hours)	4500 MB	6 hours	72 min	1 hour	30 min	4.5 min	2.25 min	1.5 min	25 sec
All speeds and times are estimates, and can vary based on line quality and modem. Source: Fastmetrics.com and Apple.com.									

Figure 3 - Download Times Comparison

Library of Congress - Estimated 240 Terabytes (240,000,000 Megabytes)						
		Seconds	Minutes	Hours	Days	Months
25 Mbps	DSL	9,600,000	160,000	2,667	111	3.7
50 Mbps	Cable	4,800,000	80,000	1,333	56	1.9
100 Mbps	Cable/Fiber	2,400,000	40,000	667	28	

[4] https://www.tvtechnology.com/news/japans-nict-sets-new-data-transmission-speed-record#:~:text=Japanese%20researchers%20have%20set%20a,(32%20miles).

500 Mbps	Cable/Fiber	480,000	8,000	134	6	
1 Gbps	Cable/Fiber	240,000	4,000	67	3	
10 Gbps	Fiber	24,000	400	7		
1.02 Petabits	Fiber	0.227				

Figure 4 - Library of Congress Download Comparison

Fiber optic networks are essential for backhaul of all networks to connect to the internet, including cellular networks. Fiber optic cables are flexible strands of glass that trap the light inside a core only 8-10 microns wide inside of a strand that is 125 microns wide. Trapping and controlling the light allows fiber to avoid the many issues that arise from wireless and copper networks, such as obstacles in a wireless environment and the slow speeds of analogue or digital signals over copper.

Wireless technologies are advancing in ways never imagined. There are two basic trains of thought on broadband: fixed wireline and wireless. The two rarely come together, and proponents of each technology overplay their own importance, thinking that either wireless or wireline is the only way to go. In more urban areas, the reality is wireless last-mile deployment is the future.

Last mile refers to the connection from the street to the resident. This is commonly referred to as fiber-to-the-neighborhood. Fiber optics networks are essential for back-haul, connecting each neighborhood to the internet. However, the cost savings realized by a wireless last mile cannot be overlooked, especially with the current wireless technologies available. Terragraph is a wireless company that uses different technologies and deployment strategies to overcome the inherent issues with the typical wireless deployments. Tarana Wireless is one such company that is reshaping the future of wireless deployments, making it faster, easier, and more cost-effective to deploy high-speed broadband. Companies such as Mimosa, Ubiquity, and others are all creating better, stronger, more resilient equipment with higher bandwidth. Wireless technology is a way that municipalities and private companies quickly deploy more cost-effective networks.

Satellite is another budding technology that is currently experiencing growing pains. Satellite uses light to relay information from the end user to a satellite orbiting the earth at either low level, 250-350 miles above the earth, or as far out as 26,000 miles. Although the signal is travelling at the speed of light, going that far into space, being bounced off a satellite and returning to earth creates exceedingly high latency, the time it takes for data to reach the other end.

Satellite signals are shared, which requires a lot of satellites to be in orbit with many base stations on earth, connected to fiber optic networks providing the end users a connection to the internet.

Starlink wants approval for 30,000 low orbit satellites to be deployed for the satellite network to improve functionality. The Federal Communications Commission (FCC) in December 2022 granted approval for 7,500 satellites to be deployed. However, Starlink was recently denied Rural Digital Opportunity Fund (RDOF) subsidies of nearly $885 million because the satellite provider failed to provide the speeds promised at a high cost per dish required at residents' homes. Satellite technology holds possibilities as a broadband provider to the more rural areas of the USA that have no other options.

"Starlink's technology has real promise," Federal Communications Commission (FCC) chair Jessica Rosenworcel explains. "But the question before us was whether to publicly subsidize it's still developing technology for consumer broadband — which requires that users purchase a $600 dish — with nearly $900 million in universal service funds until 2032."

Artificial Intelligence is a trend that is talked about across every aspect of business and industry. However, Newark should be extremely cautious, as this is an emerging technology that has significant risk associated with putting it in practice.

Newark should consider the following cautionary points as it relates to artificial intelligence, depending on where and how it is planned to be used:

- **Bias.** AI systems are trained on data, and if that data is biased, the AI system will be biased as well. This can lead to discrimination against certain groups of people. Newark should take steps to ensure that the AI systems used are trained on unbiased data.
- **Privacy and security.** AI systems collect and store a lot of data, and this data could be misused or hacked. Newark, as well as all cities, should take steps to protect the privacy and security of the data that is collected and stored by AI systems.
- **Transparency and accountability.** It can be difficult to understand how AI systems make decisions. This can make it difficult to hold AI systems accountable for their decisions.

To help mitigate some of these risks Newark should consider the following:

- **Develop ethics guidelines for the use of AI.** These guidelines should address issues such as bias, privacy, security, transparency, and accountability.

- **Invest in AI research and development.** This research should focus on using AI systems that are more fair, transparent, and accountable.
- **Partner with the private sector and academia to develop and implement AI solutions**. This will help to ensure that Newark is able to access the latest AI technologies and best practices.

While AI could be a powerful tool, it's important to be aware of the maturity and risk associated with it.

Market Analysis

The Market Assessment section of the study serves the purpose of evaluating broadband availability to determine whether it aligns with the requirements of the local market. To gain a more comprehensive understanding of the local broadband landscape in Newark, we conducted an analysis of current services and associated pricing within the city. For effective broadband planning, it is imperative to understand the offerings and costs of technology providers.

Various factors contribute to disparities in broadband access and adoption in different areas. The primary cause of such discrepancies is geographical access to broadband, where certain locations lack providers offering broadband services in proximity. Additionally, the affordability of services plays a pivotal role, as the cost may be prohibitive for some potential subscribers.

Broadband access and adoption are shaped by many factors, encompassing availability, pricing, service quality and the extent to which it caters to a community's needs. In the realm of broadband and telecommunications, service quality primarily revolves around the speed and reliability of the services provided. Broadband is increasingly viewed by many municipalities as a modern utility, given its integral role in our daily lives. Consequently, the focus is predominantly on high-speed, dependable broadband, with customer service becoming a significant consideration only in competitive market environments.

GTG focused on the following questions when conducting the market assessment:

1. What is the current coverage of the local providers?
2. What technologies are offered: fiber-to-the-home, HFC (hybrid fiber-coaxial), DSL, 5G or Satellite?

3. What are the pricing tiers for each provider?

4. What is the competitive nature of broadband in Newark?

GTG conducted a comprehensive analysis of the broadband landscape within the City of Newark, with the aim of assessing the available broadband options for residents, businesses, the city itself and other entities. This analysis delves into several key aspects, including the internet speeds offered, the associated pricing, the providers of these services, the level of competition within the local market and an evaluation of the existing and planned broadband infrastructure.

Key Findings

- The City of Newark is served by local providers. According to network maps shared by the local providers, the community has access to high-speed broadband.
- The largest provider in the area is Comcast/Xfinity and is the only provider that covers around 98% of the city. Providers are outlined next in this section.
- According to the FCC Broadband map, approximately 32% of the residents have access to a FTTH provider, offering up to 1000 Mbps symmetrical download and upload speeds.

FCC Broadband Maps

The FCC Broadband Maps, officially known as the Federal Communications Commission Broadband Data Collection, are a crucial initiative in the United States, designed to improve the accuracy and transparency of broadband coverage data. These maps are instrumental in ensuring that every American has access to reliable, high-speed internet services, playing a pivotal role in shaping broadband policy, investment, and infrastructure development across the country.

Data Collection: The FCC Broadband Maps involves the collection of data from internet service providers (ISPs) to create an up-to-date and detailed representation of broadband coverage nationwide. ISPs are required to report information on the availability of their services, including maximum advertised speeds, technology used (e.g., DSL, cable, fiber) and geographic coverage.

Mapping Accuracy: One of the primary objectives of these maps is to provide an accurate depiction of where broadband services are available and where they

are not. This information is vital for identifying underserved and unserved areas that may lack adequate internet access.

Transparency: The FCC Broadband Maps aim to enhance transparency and accountability in the broadband industry. By making coverage data publicly available, consumers can make more informed choices about their internet service providers and advocate for better connectivity.

Policy Development: The FCC Broadband Maps play a crucial role in informing broadband policy development at federal, state, and local levels. Policymakers use this data to allocate resources, design subsidy programs and prioritize areas in need of improved broadband infrastructure.

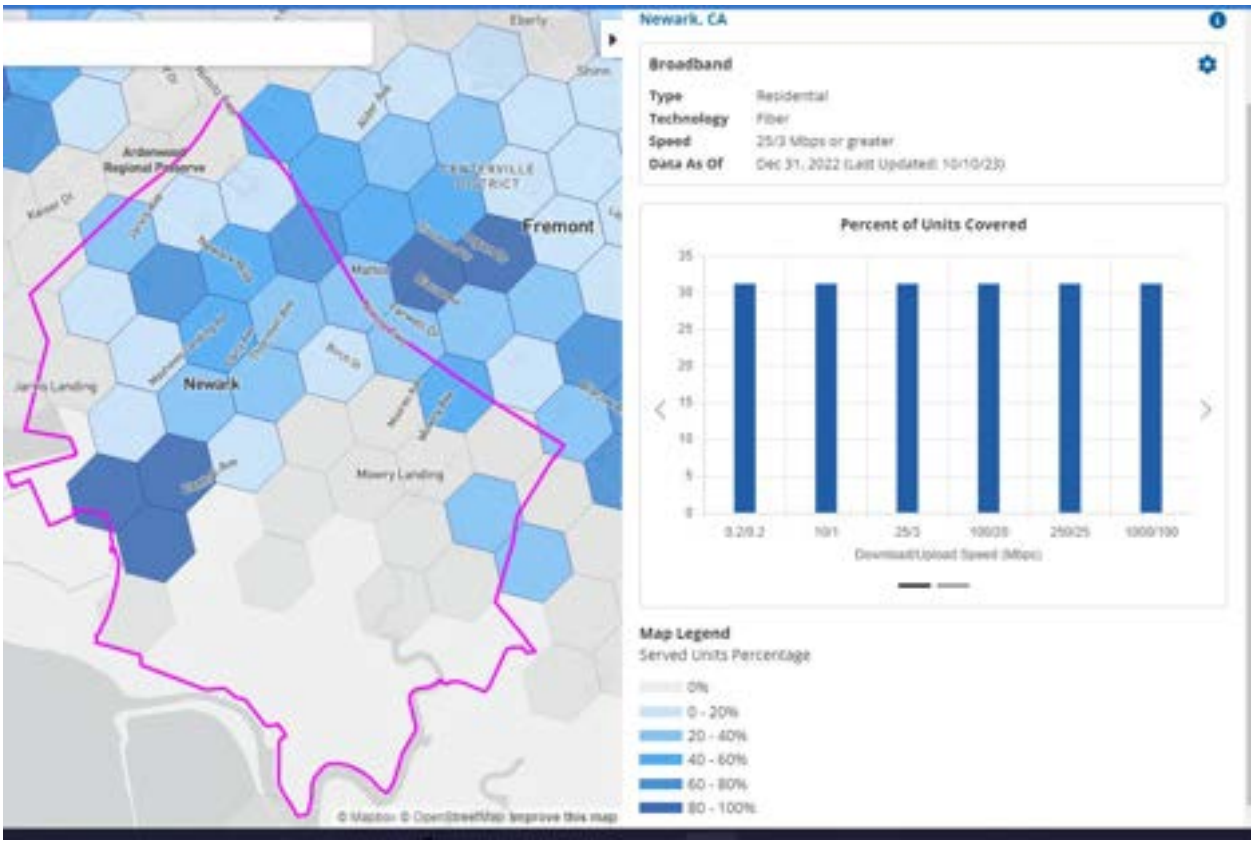
Challenges and Controversies: The accuracy of these maps has been a subject of debate. Critics argue that they may overstate the availability of broadband in certain areas, leading to inadequate funding allocation. There are also concerns about the reliability of ISP-reported data and the need for more independent verification.

Ongoing Improvements: The FCC has been actively working to enhance the quality and reliability of its broadband maps. These improvements include better data collection techniques and increased granularity in mapping, enabling a more precise understanding of coverage in smaller geographic areas.

Impact on Rural and Underserved Communities: Accurate broadband mapping is particularly crucial for rural and underserved communities. It helps direct resources to areas that are most in need, bridging the digital divide and ensuring that all Americans have access to essential online services and opportunities.

In summary, the FCC Broadband Maps are a fundamental tool for shaping the future of internet connectivity in the United States. They enable better-informed decision-making, transparency, and the equitable distribution of broadband resources to ensure that everyone can participate in the digital age. Continued efforts to refine and enhance these maps are essential to address the evolving needs of our increasingly connected society.

FCC Maps can be found at: https://broadbandmap.fcc.gov/location-summary.


Newark, CA
Broadband
Type Residential
Technology Fiber
Speed 25/3 Mbps or greater
Data As Of Dec 31, 2022 (Last Updated: 10/10/23)
Percent of Units Covered
Download/Upload Speed (Mbps)
Map Legend
Served Units Percentage
0%
0 - 20%
20 - 40%
40 - 60%
60 - 80%
80 - 100%
Fremont
Newark

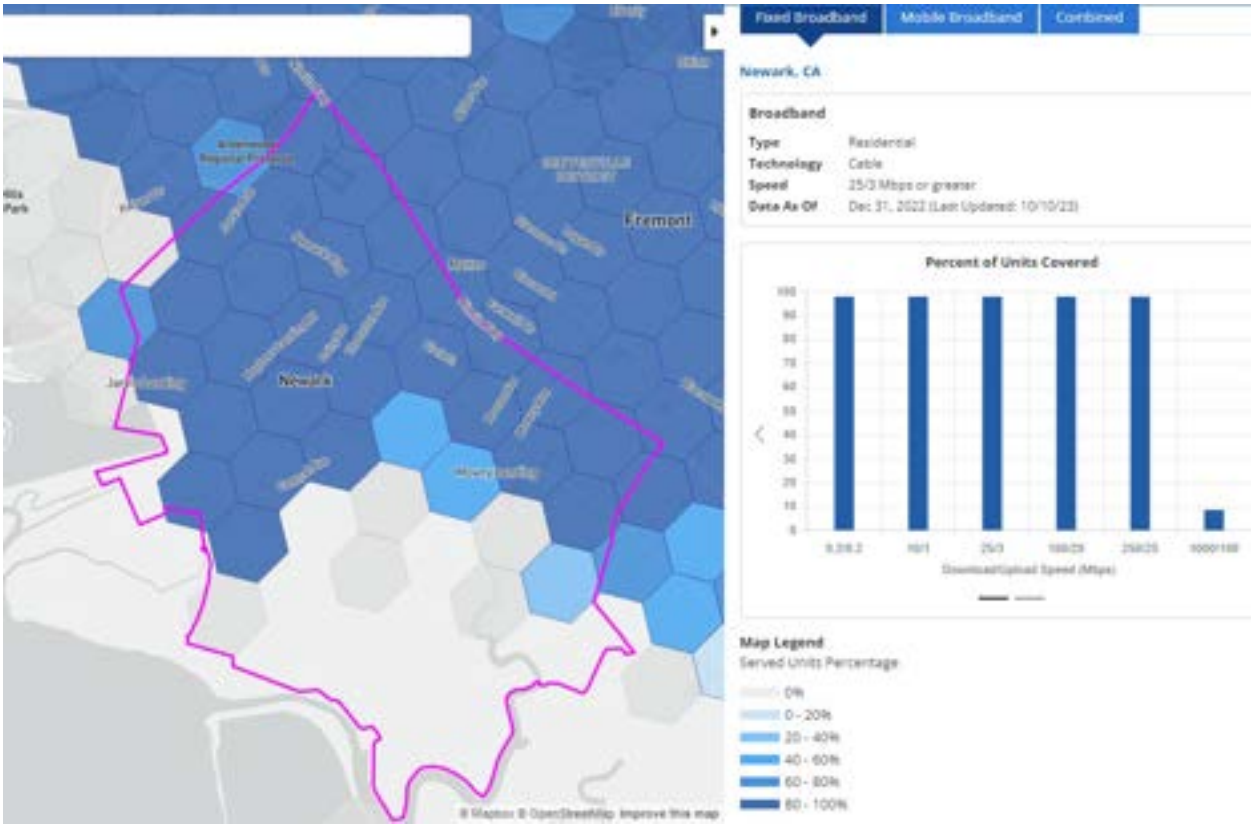

Fixed Broadband
Mobile Broadband
Combined
Newark, CA
Broadband
Type Residential
Technology Cable
Speed 25/3 Mbps or greater
Data As Of Dec 31, 2022 (Last Updated: 10/10/23)
Percent of Units Covered
Map Legend
Served Units Percentage
0%
0 - 20%
20 - 40%
40 - 60%
60 - 80%
80 - 100%
Fremont
Newark

Figure 5: FCC Broadband Maps, Newark, CA

Providers in Newark

According to the FCC broadband map[5], there are six available providers in Newark: Comcast Corporation, AT&T, Hughes Network Systems LLC, Space Exploration Holdings LLC, T-Mobile USA Inc and ViaSat Ince.

Comcast Corporation is a global media and technology company with two primary businesses: Comcast Cable and NBCUniversal. Comcast Cable is one of the United States' largest video, high-speed Internet and phone providers to residential customers under the XFINITY brand and provides these services to businesses. Comcast is the predominant provider in Newark, serving 63.7% of the city's residents, according to this survey. Current offerings in Newark can be found in the chart below[6].

Provider	Technology	Speed/ Mbps	$/Month	Data limit
Comcast/Xfinity	HFC	75	$51.00	No
Comcast/Xfinity	HFC	200	$35.00	No
Comcast/Xfinity	HFC	400	$50.00	No
Comcast/Xfinity	HFC	800	$60.00	No
Comcast/Xfinity	HFC	1000	$60.00	No
Comcast/Xfinity	HFC	1200	$80.00	No

AT&T, recognized as the world's largest telecommunications company, holds the second-largest position in the mobile phone services industry. Notably, in recent years, this multinational conglomerate ventured significantly into the media and entertainment sectors, particularly through its acquisition of Warner Media in 2018. However, a shift in strategy emerged in February 2021, when AT&T announced its intention to spin off DirecTV, six years after acquiring this satellite TV business. Subsequently, in May of the same year, plans were unveiled to spin off Warner Media and merge it with Discovery.

[5] https://broadbandmap.fcc.gov/location-summary/

[6] https://www.xfinity.com/digital/offers/plan-builder

Under the leadership of CEO John Stankey, AT&T seeks to refocus its efforts on expanding its 5G wireless connectivity capabilities. In pursuit of this objective, the company is currently engaged in a highly competitive, multibillion-dollar battle against rivals such as T-Mobile and Verizon. This battle revolves around achieving the fastest speeds and the most extensive 5G network coverage.

Provider	Technology	Speed/ Mbps	$/Month	Data limit
ATT	Fiber	300	$55.00	No
ATT	Fiber	1000	$65.00	No
ATT	Fiber	1000	$80.00	No

T-Mobile offers 5G home internet for just $50 a month with AutoPay, up to 50% savings against the industry benchmark, or $30 per month for families with Magenta MAX, T-Mobile's most popular phone plan. It's a flat rate, with no added taxes or fees, equipment costs, annual contracts, or price hikes. Availability for this service requires upgrading or constructing 5G antennas. This does not happen on a city-wide basis, but rather an incremental build over time. Coverage in Newark is limited and there is minimal subscribership.

Provider	Technology	Speed/ Mbps	$/Month	Data limit
T-Mobile - Home Internet	5G	max 235	$ 55.00	No

Satellite providers available in the city include ViaSat, HughesNet and Starlink. Satellite companies utilize wireless signals transmitted from a base station/ground unit, bouncing these signals off an array of satellites orbiting the Earth at an average distance of 26,000 miles. Even at the speed of light, a 52,000-mile round trip introduces a significant amount of latency. Latency refers to the time it takes for data to travel from one point on a network to another.

Starlink has begun deploying satellites in a low earth orbit, approximately 350 miles above Earth's surface. Users of these lower orbit satellites experience significantly lower latency, better speeds and overall performance. However, Starlink's proposal to add an additional 9,000 low orbit satellites has been denied for several reasons. Foremost among these is a lack of understanding

about how objects in low Earth orbit behave over time and what might happen when they eventually re-enter the Earth's atmosphere.

Another reason for the denial is the concern about space pollution. Allowing too many objects into orbit could limit our ability to observe space from the Earth's surface and pose potential risks to existing satellites and space missions.

Provider	Technology	Speed/ Mbps	$/Month	Data limit
ViaSat	Satellite	12	$ 69.99	40 GB
	Satellite	25	$ 99.99	60 GB
	Satellite	30	$ 149.99	100 GB
	Satellite	30	$ 199.99	150 GB
	Satellite	30	$ 299.99	300 GB
Hughes Net	Satellite	25	$ 74.99	50 GB
Starlink	Satellite	25	$ 110.00	1 TB

4G Coverage and 5G Coverage

According to the FCC Broadband Map[7] shown below, 3G has been upgraded and is no longer being used or deployed by any courier, with 100% of Newark having access to 4G, 5G and 5G NR. Newark area providers include Verizon, T-Mobile (Metro PCS and Sprint), US Cellular and AT&T. In every city, there are small pockets that are not covered by cellular signals, which are not reported or shown on maps. It is nearly impossible to ascertain this information without metering these signals through mobile mapping efforts. Mobile mapping uses software and antennas, which test and record the signal strength throughout the city and is used to identify pockets that need to be bolstered with more cellular towers. Newark residents report suffering from many pockets of bad

[7] https://broadbandmap.fcc.gov/area-summary/mobile?version=jun2023&geoid=0650916&type=place&zoom=11.95&vlon=-122.109695&vlat=37.521020&tech=tech4g&env=0

cellular coverage that have not been identified by mobile mapping, something that should be accomplished by the cellular providers.

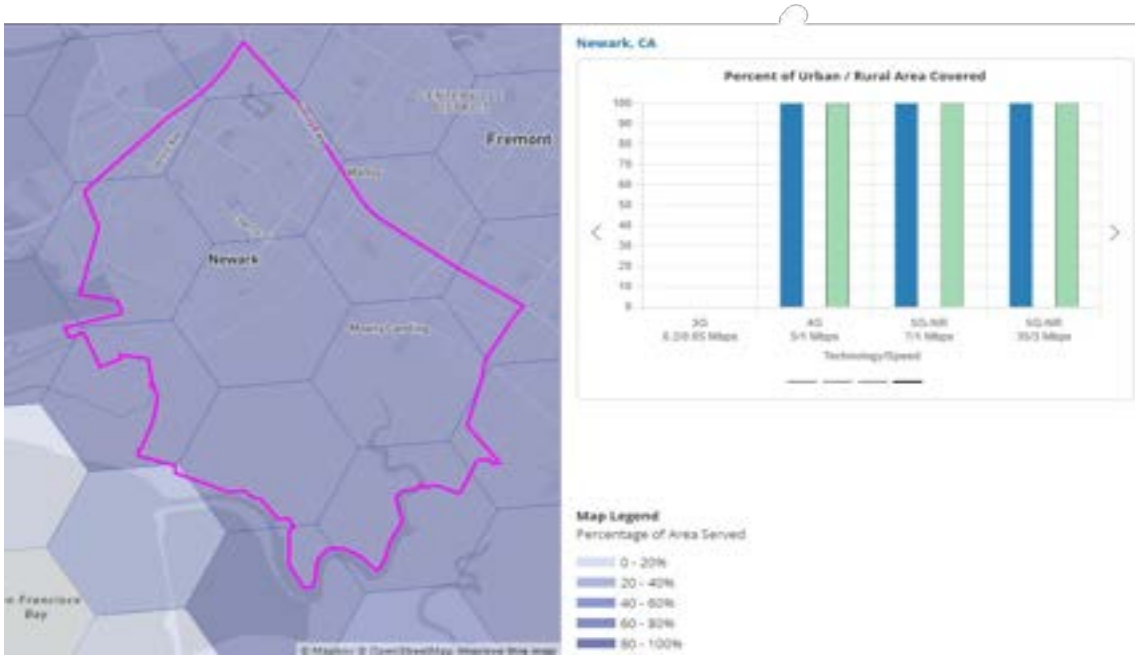


Figure 5 - FCC Broadband 3G, 4G, 5G, and 5G NR (New Radio)

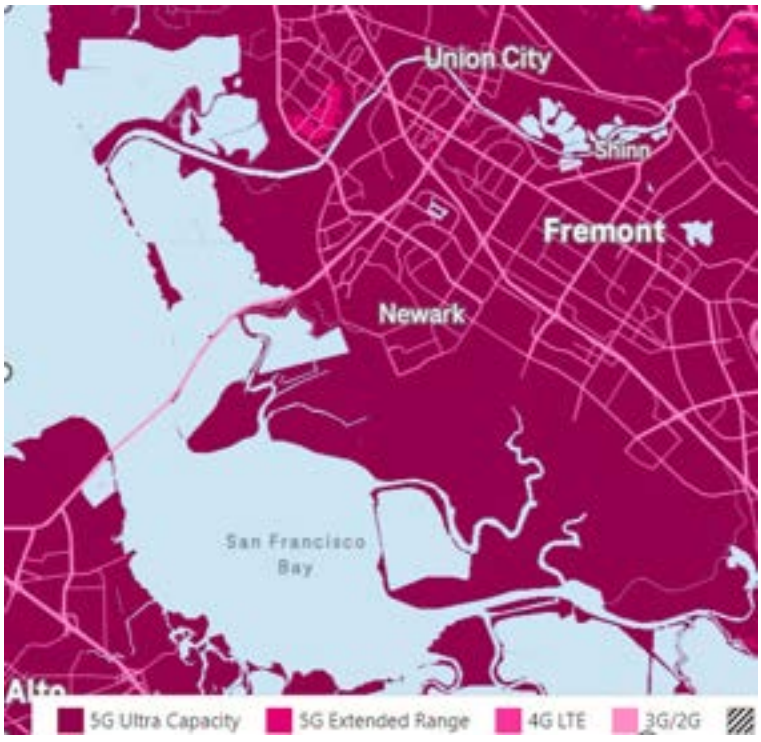


Figure 7 – Verizon Coverage Map



Figure 8 - Verizon coverage map showing availability of 5G Home Internet and 4G LTE



Figure 9 - ATT Coverage Map showing availability of 5G+, 5G and 4G LTE according to AT&T's website

Privately Owned Fiber Optic Cables

In Newark, there are several providers with both metro and long-haul fiber assets, as illustrated in the maps below. The first image (Figure 10), which displays the local metro networks, prominently features assets owned by Crown Castle and CenturyLink (formerly Level 3 fiber). These networks are instrumental in providing high-speed, reliable connectivity within the city.

The second image (Figure 11) showcases the long-haul fiber routes that traverse Newark, and it includes infrastructure owned by Level 3, CenturyLink and Electric Lightwave. These routes follow many of the city's major corridors, serving as the backbone for data transmission over longer distances.

These extensive fiber networks, both metro and long-haul, are essential for supporting the growing demand for data and communication services in Newark. They not only enable businesses, residents and other entities to access high-speed internet, but also play a pivotal role in connecting the city to the broader region and the global digital infrastructure. As Newark continues to develop and expand its technological capabilities, these fiber assets will be crucial in facilitating economic growth, innovation, and improved connectivity for all.



Figure 10 – Assets owned by Crown Castle and CenturyLink

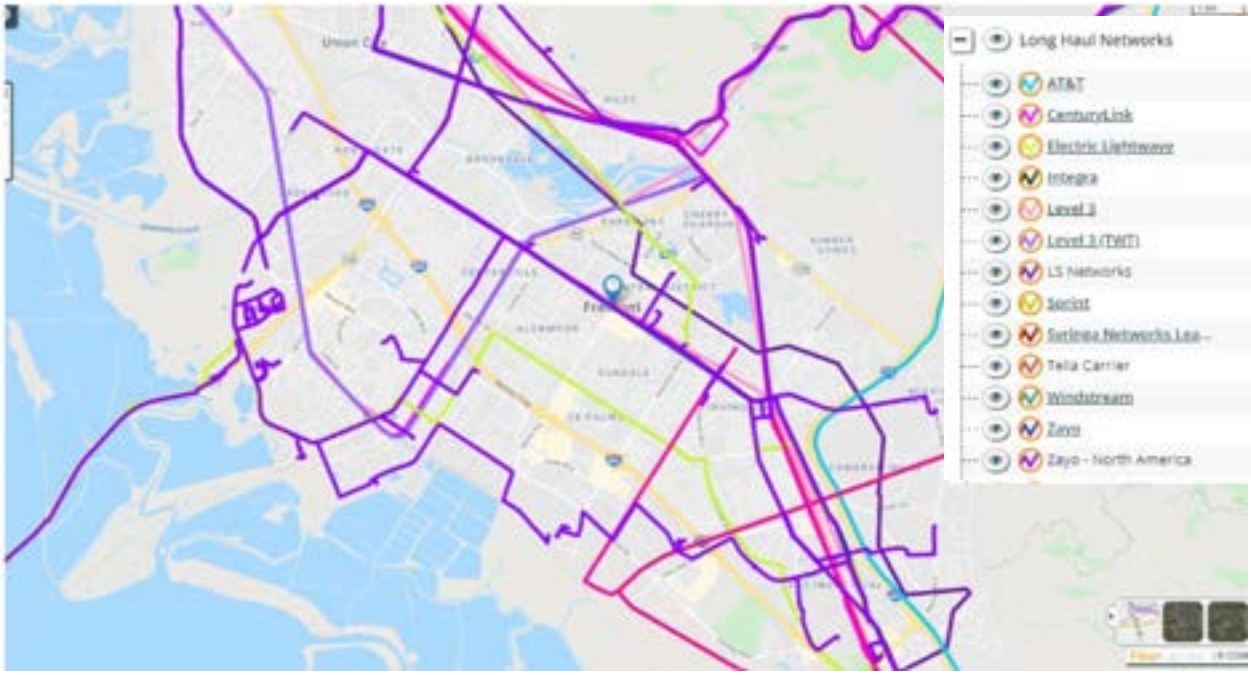


Figure 11 - Newark long-haul fiber routes and infrastructure owned by Level 3, CenturyLink and Electric Lightwave.

Data Centers

Connectivity in any urban area, community or region is predominantly defined by its access to the internet, with the critical factors being internet speeds and available bandwidth. One often underestimated component of a fiber optic network is its links to data centers. These data centers serve as hubs where numerous internet service providers, private enterprise networks (such as Facebook and Amazon), point-to-point connections and various avenues to connect with the global network converge. In the City of Newark, there is one data center situated within its boundaries that was purchased by T5 Data Centers in October 2020:

T5 Data Centers (formerly Apple Newark Data Center)

39800 Eureka Drive

Newark, CA 94560

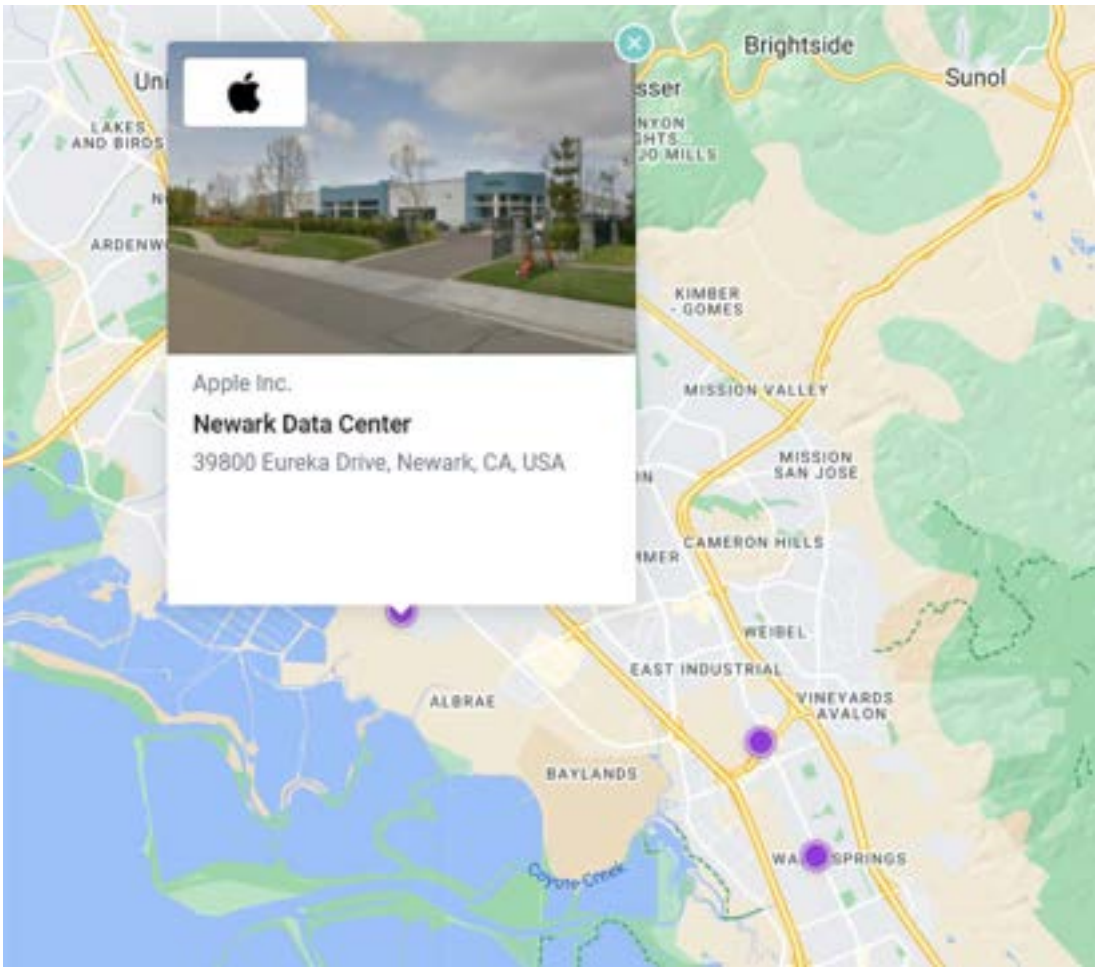


Figure 12 – Data Center in Newark Map

There are 88 data centers within a 25-mile radius of Newark, with the majority in San Jose and San Francisco. With this high concentration of data centers, Newark has options when it comes to connectivity and access to the internet, anchor institutions, other municipalities.

Significant benefits of connecting to a regional hub include business continuity and disaster recovery benefits. These locations allow for offsite storage and redundancy in critical systems that the city could take advantage of.

In addition to private data centers, the California Department of Technology (CDT) is working on the California Middle-Mile project, which refers to the development and implementation of a middle-mile network in the state of California. It is part of the broader effort to expand broadband infrastructure and improve internet connectivity across the state. The project aims to establish a network of fiber optic cables that connect various communities and regions within California, providing a reliable and high-speed backbone for

broadband services. The middle-mile network is planned to run along 680 and I-880. The CDT will also be building Data Hubs approximately every 50 miles on the middle-mile network and splice boxes/vault every 2400 feet. GTG recommends the City coordinate with CDT to determine a location for the connection to the middle-mile network that will provide access to other local governments for sharing communications and having access to high-speed low-cost Internet services in addition to providing areas for disaster recovery equipment.

Other opportunities include working with BART or the City of Fremont to connect the City's fiber network to the regional Oakland hub or the Hurricane hub in Fremont for access to high-speed low cost Internet services.

Conclusion

Newark is served by the local incumbent provider with sufficient broadband to handle the needs of the community in the area outside of complaints related to customer service, reliability, costs and accessibility. It would benefit the area to have a more competitive landscape, however, the area is not being neglected and the City should continue to work with and support the local providers. Studying the 4G and 5G provider coverage maps you can see the entire area has access to 5G cellular coverage and 5G home coverage.

Although Newark is well covered by the local providers and access to broadband seems to be an option for most of the community, in addition to complaints regarding customer service, reliability, costs and accessibility, the issue of adoption comes into view. The lack of adoption can be caused by a few reasons including affordability, access to devices, and digital illiteracy, among others. Newark should become an active participant in helping alleviate the digital divide by adopting programs and raising awareness of the Affordable Connectivity Program, ACP.

Two major complaints from city departments and residents were reliability and speed of 5G coverage with areas that impact public safety, public works, and the community. The City should evaluate the need for additional towers within the city to increase speeds due to saturation and reliability for public safety purposes or determine if this is limited to pockets where buildings, trees, etc. may be causing coverage issues and an additional tower would be unnecessary.

Service Availability

Once the providers are identified, it is important to understand the areas the providers operate within.

Address Assessment

For a better understanding of the availability of providers and the broadband options they offer to specific locations, GTG pulled 40 random addresses and researched the options available at each address. Those results can be found in the chart below. We are not including the actual address researched for privacy concerns.

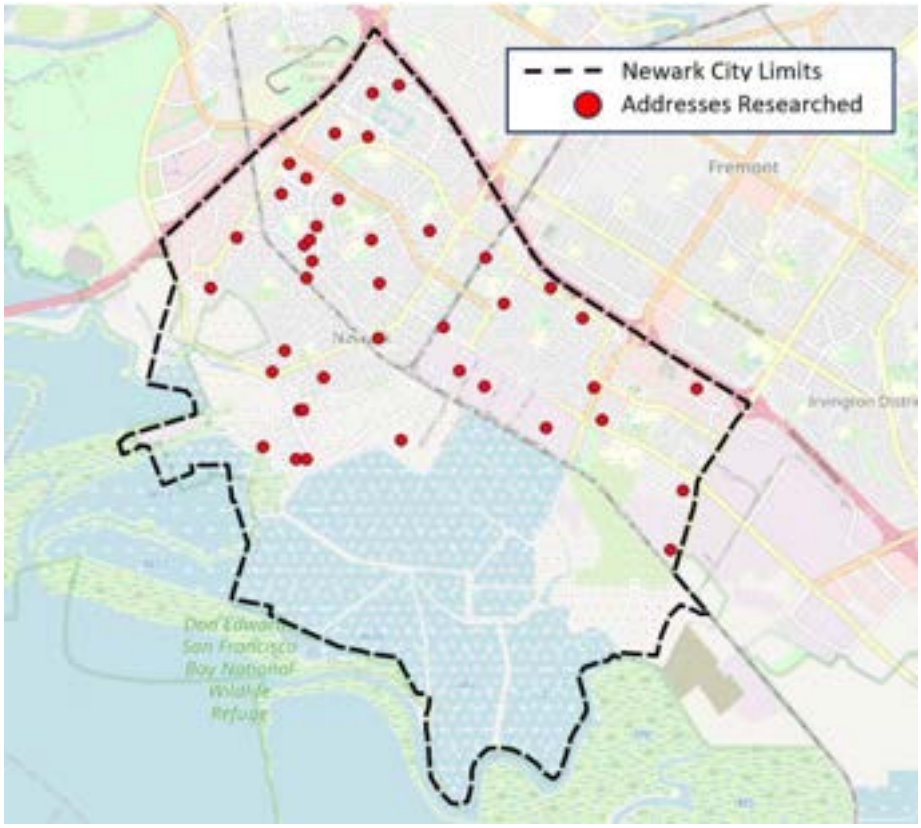


Figure 13 – Address Assessment in City of Newark

Street	Comcast HFC	ATT Fiber	ATT DSL	Satellite	T-Mobile	Fixed wireless
RAMSGATE DR	X		X	X	X	X
BRETON DR	X			X	X	X
REYMOUTH DR	X		X	X	X	
ORLEANS DR	X	X		X	X	X
CRYSTAL SPRINGS DR	X		X	X	X	X
HALEY ST	X	X		X	X	X
COLBERT PL	X	X		X	X	X
PAPAYA ST	X			X		X
CHERRY ST	X			X	X	X
BIRCH ST	X		X	X	X	X
BAY BREEZE ST	X			X	X	X
LUMA TER	X	X		X	X	X
CHERRY ST						
BLUEGRASS CT	X		X	X	X	X
EBBETTS ST	X			X	X	X
CROYDON PL	X		X	X	X	X
ASHBOURNE CT	X		X	X	X	X
MANOR CT	X		X	X	X	
CHAPMAN DR	X		X	X	X	X
DICHONDRA PL	X		X	X	X	X
RAVENWOOD AVE	X		X	X	X	X
JARVIS AVE	X			X	X	X
BENNINGTON DR	X		X	X	X	X
LIDO CT	X		X	X	X	X
GEORGE AVE	X		X	X	X	X
NORMANDY DR	X	X		X	X	X
CEDAR BLVD	X	X		X	X	X
REDEKER PL				X	X	X
CENTRAL AVE				X		X

MARTEL PL	X	X		X	X	X
CARTER AVE	X		X	X	X	X
MORTON AVE				X		X
SHADY HOLLOW DR	X		X	X	X	X
RAILROAD AVE	X		X	X	X	X
MANDARIN AVE				X		X
PEACHTREE AVE	X		X	X	X	X
SANDY COVE WAY	X	X		X	X	X
BLUE ANCHOR WAY	X	X		X	X	X
CENTRAL AVE	X	X		X	X	X
ROCKVIEW WAY	X	X		X	X	X

The table below shows, of the 40 total addresses researched, the providers that were available and the percentage of the coverage offered.

	Comcast HFC	ATT Fiber	ATT DSL	Satellite	Fixed wireless	T-Mobile
Total	**35**	**11**	**18**	**35**	**33**	**34**
Percentage of Households	**88%**	**28%**	**45%**	**88%**	**83%**	**85%**

State of California Maps

The State of California maintains a broadband availability map that, like the FCC, shows addresses that are identified as in need of broadband access. These maps are crucial to understand the areas of the city that need bolstering. These maps represent information that is supplied by the internet service providers and can be used to identify the areas and neighborhoods that each provider supports with broadband service. It is worthwhile to compare the maps identifying locations where the information overlaps and greatly increases the validity of the provided information. To help see the disparities in broadband

speed, the State has the below online "Broadband Interactive Map"[8] that shows, according to state complied and federal data, addresses that have a need for better broadband.

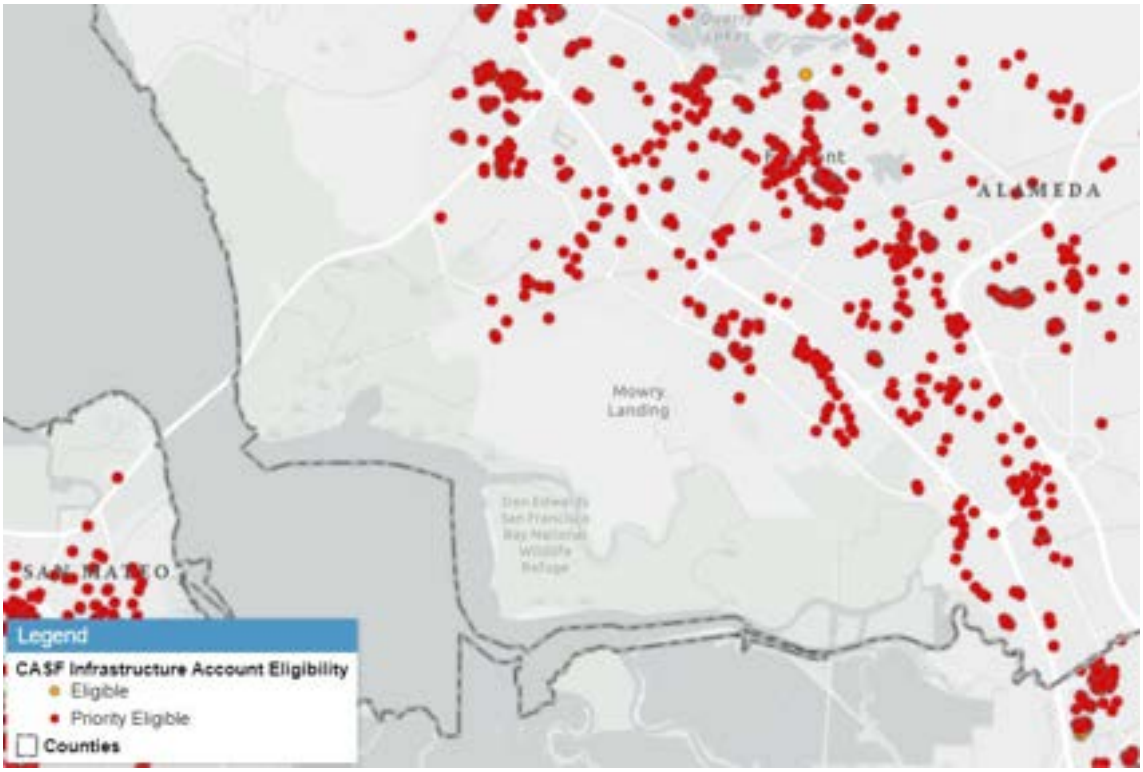


Figure 14 - California Interactive Broadband Map

FCC Broadband Maps

The FCC has a substantial amount of information that is collected through FCC Form 477, a report that providers fill out and self-report the technology they offer and where they offer it. The form has received criticism, claiming that the information is not accurate due to providers wanting to show they offer better services in a wider area than they actually do.

The self-reporting portal, according to the Institute for Local Self-reliance, has inherent flaws such as:[9]

1. ISPs may fill out forms improperly.

[8] https://www.broadbandmap.ca.gov/

[9] https://ilsr.org/when-you-cant-trust-the-data-flaws-in-the-federal-communications-commissions-broadband-forms/

2. The data is out of date.
3. The data only includes maximum advertised download and upload speeds.
4. The submitted data itself overstates availability.

Understanding the results could be flawed, information given by providers clearly shows that Newark is well-served by the local incumbents, stating 100% coverage with 250 Mbps download and 25 Mbps upload. One positive change in the Broadband Data Collection (BDC) is the establishment of mechanisms to dispute the claims of providers, hopefully to further refine the data and provide a realistically accurate portrayal of the current state of broadband.

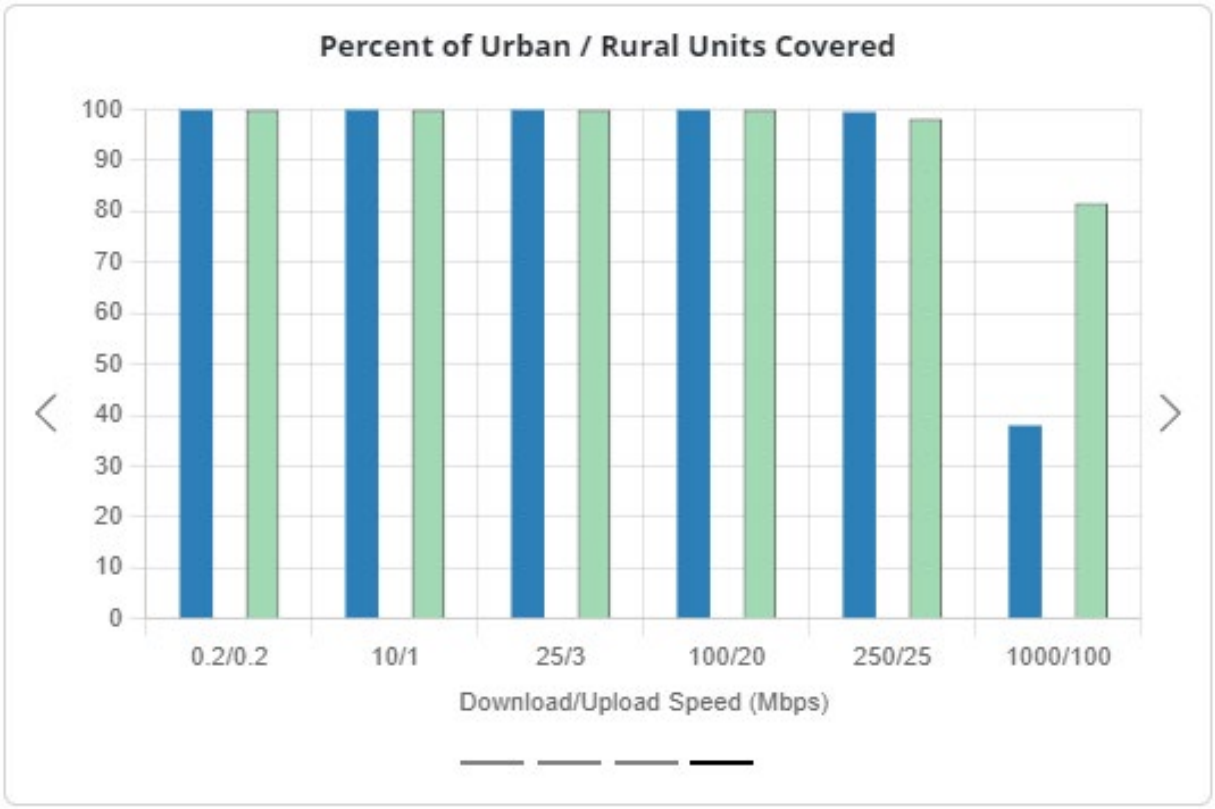


Figure 15 – FCC Form 477 for City of Newark

Goals and Needs

Broadband Survey

To gain insight into the needs of the community, it is important to initiate community engagement to gather input from as many community members as possible. One step that GTG takes to gain as much insight as possible is to conduct an online broadband survey where the respondents can answer questions and provide information from their point of view. The survey was linked from the city's website, and the city promoted it to the public through many different communication channels including social media, mass email marketing, print and digital marketing, word of mouth and in community outreach meetings. At the end of the survey, GTG collected 276 responses.

Survey responses

The completion rate of the survey was 81.5%, with a total of 276 responses. Most respondents, 81%, identified themselves as residents, while 19% identified themselves as local businesses. Although not all responses were complete, the partial surveys include all surveys with at least 75% of the questions filled out. Partial surveys provide valuable information, which is why some of the numbers in the graphs do not always equal 276.



Figure 16 - Response count

The current broadband standard set by the FCC for download speed is 25 Mbps (megabits per second) and 3 Mbps for upload speed. However, it was proposed in July of 2022 to increase the broadband standard to 100 Mbps download and 20 Mbps upload. It has not been adopted on the federal level; however,

California and many other states have set 100 Mbps as the minimum download speed for broadband.

It's important to note the asymmetrical nature of HFC broadband speeds, where the need for downloading data is greater than the need for uploading. This results in standards that are not symmetrical, meaning the download and upload speeds are not the same. All fiber networks can have symmetrical services, and much faster than those of hybrid networks. This survey shows comparison values of both networks.

The data on the adequacy of the internet connection at respondents' locations presents a significant insight into the overall satisfaction with internet services. Despite 55% of respondents affirming the adequacy of their internet connection, the fact that 45% expressed dissatisfaction suggests that there might be underlying issues affecting user experience and expectations.

This discrepancy highlights the importance of not only delivering high-speed broadband, but also ensuring consistent reliability and performance. It indicates that factors such as intermittent service disruptions, latency issues or insufficient customer support might be contributing to the dissatisfaction among a considerable portion of users.

To improve overall satisfaction, it would be beneficial for internet service providers to focus not only on delivering high-speed connections, but also on addressing issues related to service reliability, consistency, and customer support. By paying attention to these factors, providers can ensure that users not only have access to high-speed internet but also enjoy a seamless and reliable online experience, ultimately leading to higher customer satisfaction and loyalty.

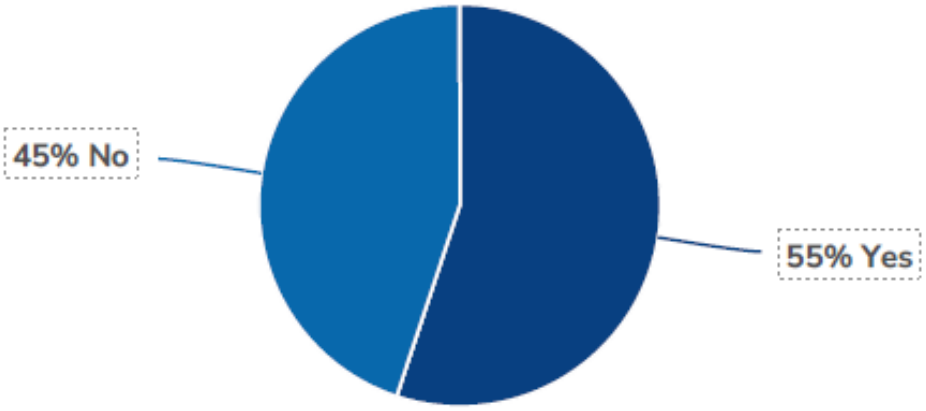


Figure 17 - Internet adequacy survey in City of Newark

The data for internet satisfaction highlights a significant divide in customer sentiment. With 47.3% expressing satisfaction and 52.7% reporting dissatisfaction with their current internet provider, it's evident that there is room for improvement in the service quality and customer experience provided by these companies.

Furthermore, the presence of healthy competition within the market can be advantageous for consumers. When multiple internet providers operate in the same area, it fosters an environment where each company is compelled to enhance its services to attract and retain customers. This competitive pressure often leads to improved offerings, better pricing, and a focus on customer satisfaction.

However, despite the positive influence of competition, it's crucial for providers to address the underlying issues contributing to customer dissatisfaction, such as service reliability and customer support. By prioritizing these aspects, internet providers can work towards enhancing the overall customer experience and fostering greater satisfaction among their customer base.

Value	Percent
Yes	47.3%
No	52.7%

Reliability in broadband refers to the consistent and uninterrupted availability of internet connectivity. It encompasses factors such as network stability, minimal downtime, and consistent speeds. Reliable broadband is crucial for various activities, including remote work, online education, telemedicine, and general internet usage.

To ensure reliable broadband, it is essential for service providers to invest in robust infrastructure, regular maintenance, and efficient customer support. Additionally, the document emphasizes the need for redundancy and backup systems to minimize service disruptions.

While the survey analysis document may not provide specific reliability data for Newark, such as actual down time and outages, it does acknowledge the significance of reliable broadband service for the community. 71% of respondents share that they feel their internet is reliable enough or very reliable. This is positive news for the community, showing that the ISPs are providing good broadband on reliable networks.

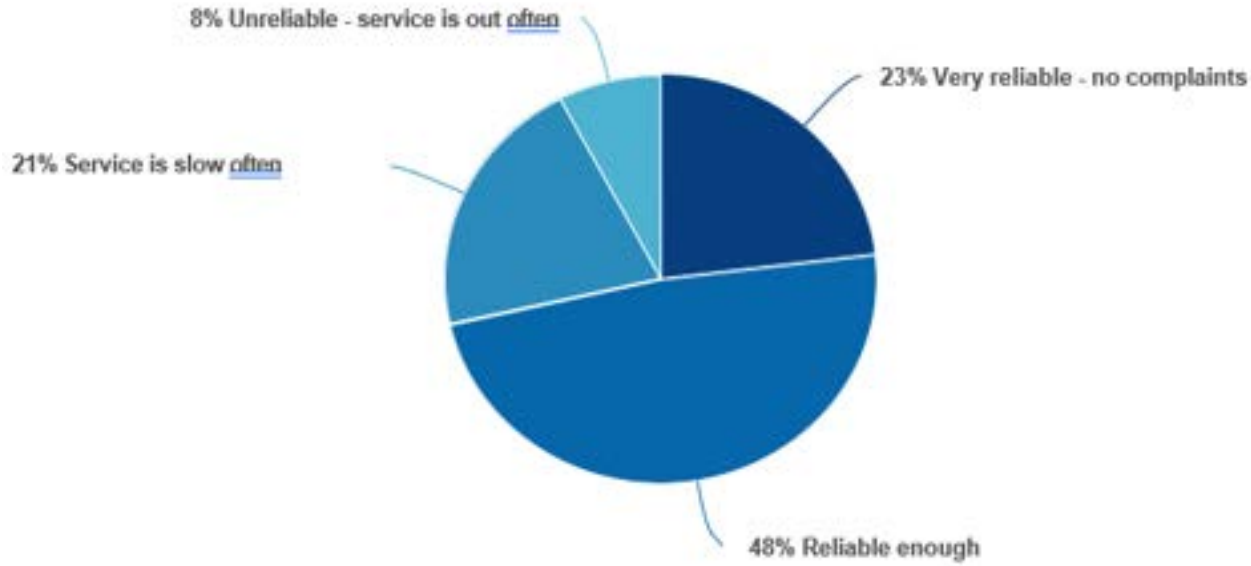


Figure 18 – Reliability survey in City of Newark

Based on the data, the breakdown of internet service providers among the respondents is as follows:

Value	Percent
AT&T	32.4%
Comcast/Xfinity	60.5%
T-Mobile	3.8%
Verizon	0.5%
Other - Write In	2.7%

These percentages represent the distribution of the different internet service providers among the responses. Comcast/Xfinity appears to have the largest share, followed by AT&T, T-Mobile, and Verizon, while a small percentage of respondents are using smaller ISPs.

Speed Test Results

The map depicted in Figure 19 illustrates the respondent locations, categorized by speed test results, ranging from up to 25 Mbps (Federal Minimum), up to 100 Mbps (California minimum), up to 500 Mbps and up to 1000 Mbps (1 Gigabit). The data reveals that areas with high-speed connectivity are spread across the city, whereas locations with slower connections are concentrated primarily in the region south of 880, positioned between Central Blvd and Mowery Ave. The underlying reasons for this area's notably high concentration of DSL subscribers remain ambiguous.

Upon examining why respondents chose their respective service providers, it was commonly reported that these providers were either the sole option available or were perceived as the best available choice. This implies the possibility that some users might be paying for high-speed services that aren't being fully delivered. In the case of respondents utilizing Comcast/Xfinity's HFC network, it may be necessary to consider network upgrades. Meanwhile, for those relying on AT&T's DSL services, the expectation of higher speeds is unrealistic, as DSL is an outdated technology with very limited speeds, commonly meeting the Federal standards but fail to meet the broadband standards set by the State of California.

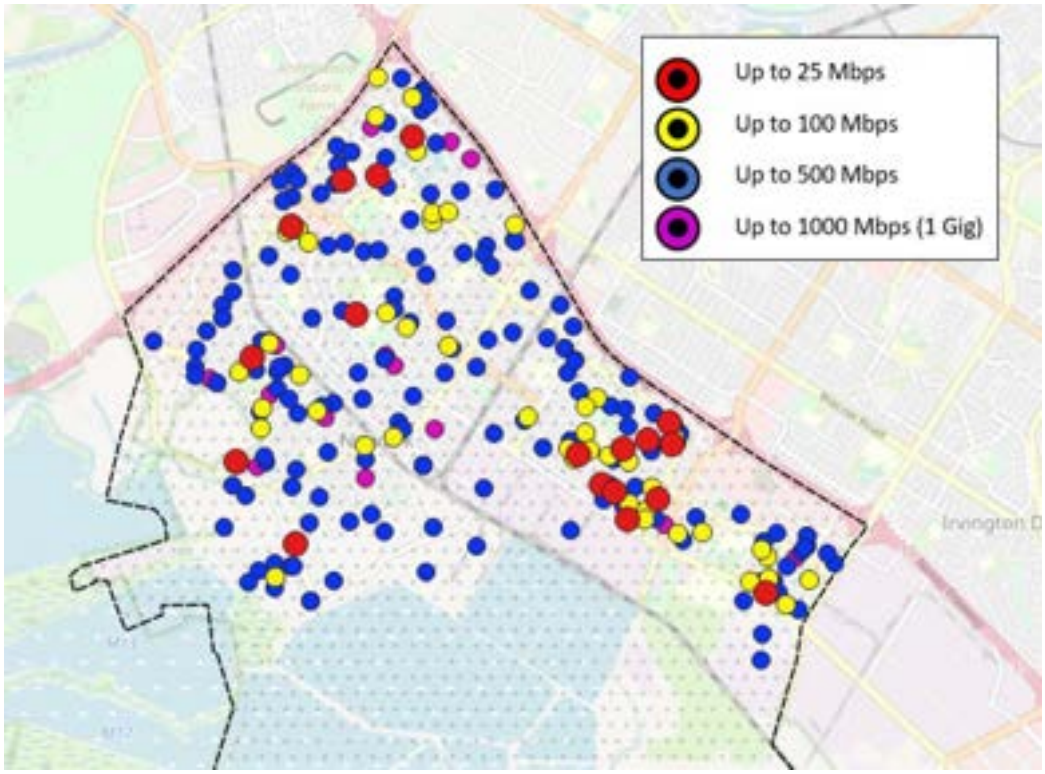


Figure 19 – Respondent locations with corresponding speed test results

Comments from Business Respondents

In the survey conducted by GTG, respondents were invited to share their comments regarding their Internet service. Specifically, businesses were asked "Please explain how better Internet access would impact your organization. Will it help with economic development, services, or sales? Do you have other thoughts on the impact of better Internet access?" It is essential to clarify that GTG did not alter the wording or grammar of any comment, whether they were from businesses, residents or other key stakeholders. The only adjustments made were for the sake of brevity.

Response ID	Comments
262	*At this time we are told we can not improve our service because the area is not wired to accommodate high speed (even though we are paying for it) the service we have now goes out frequently in the early evenings and weekends for minutes at a time. If one or more companies would rewire our area of Newark, we can have choices of carriers, and choose a internet package that would suit our needs*
236	*Better Internet access would significantly enhance the operations and reach of our company. Here's how: Economic Development: A faster and more reliable Internet connection would enable us to tap into global markets, collaborate in real-time with partners and stakeholders regardless of their geographical location, and efficiently utilize cloud-based resources. This would drive productivity and foster innovation, placing us in a competitive position in the marketplace...*
256	*it would help with downloading large format files to create the decal panels for application to our customers vehicles. it would help with downloading parts information and manuals and diagrams along with the need to open files received from customers with their art work and or their damaged units. So yes, it would help with services, sales and the development of our business, to make it better.*
235	*Our building only offers access to T1 lines or higher, which we cannot afford (and maybe now fiber optics) or microwave access using a dish on the roof of the building. There is no other access option. It is very limiting for a small business like ours. There's no cable access or other ways to reasonably purchase internet access. I'm hoping this survey results in better options for the business community.*
223	*We notice frequent glitches and unscheduled outages with Comcast. And, it's very expensive!*

240	*We relied extensively on Zoom sessions, especially during the pandemic. The upload speed available to us was terrible, and the download speed was frequently inadequate. Churches are increasingly reaching out to members at a distance. The available DSL services were inadequate for live streaming -- which is what most churches use now. The limitations have contributed to the ending of our services. Infrastructure along Cedar Blvd is inadequate for ALL utilities.*

Comments from Residents

In the survey conducted by GTG, respondents were invited to share their comments regarding their Internet service. Specifically, residents were asked "What would better broadband mean to you and your family or the area?".

Response ID	Comments
189	*1. I'd love to have 500mbps / 1gbps broadband access for less than $50 per month and not have to haggle with AT&T at the end of every annual contract that I will be switching to Comcast and then they magically bring the price down for another 12 months. 2. There seems to be a relatively local player, SAIL internet which uses AT&T backbone, is there a chance to get them to become a approved provider by the city?*
238	*ATT said for years that fiber options were coming, but after 10 years of waiting, nada. So cable was the best option. Connectivity means everything to compete in the world today and stay informed. The speed of that connection will determine the rate of information and response in certain situations. Extremely important to stay relevant.*
187	*Better choice of providers who all provide the same level of service and speed. Right now, comcast/xfinity are the only ones who provide a decent service with speed needed.*

181	*Better upload speed and removal a caps would allow me to work from home*
25	*Better work and education experience. I am full time remote worker.*
195	*Broadband access is becoming as necessary as water. electricity, etc. It is important for business as many times the decision to locate at a specific city is based on availability of broadband access.*
173	*Broadband should be free*
102	*Cell service is really bad on my cell phone-get a lot of dropped calls (phone uses my Wi-Fi) Internet disconnects fairly often. I need a stable one because I work from home*
48	*Cheaper, more competition.*
65	*Comcast is very expensive & constantly raising its rates. I am a retired senior, but I haven't qualified for ACP for some reason.*
213	*Comment: When we move to the Birch Grove neighborhood in 2020 we were originally with AT&T, we switch ISPs because the DSL in the neighborhood were so bad that cause one of our DSL lines to go offline repeatedly. My hope is with this broadband masterplan it will prioritize the Birch Grove neighborhood to get fiber optic.*
141	*connectivity speeds of 1gbps which power all the connected devices for todays needs and future needs at an affordable cost.*
119	*Consistent download speeds. Even though we have high speed internet, sometimes the response is slow.*
174	*Consistent speed, no drop services and affordable .*
148	*Cost. Broadband is not available at my address.*
50	Download speed ã€‹ 500 mbps , upload ã€‹200 mbps . No sudden drops

129	*Easier to stay connected throughout the city especially in newer housing developments where service can be minimal.*
175	*Everyone having Internet accessibility is very important to our family. I think it's important for everybody to have equity and opportunity in resources.*
36	*We have service through AT&T and Xfinity. This is in case one goes down, as I work from home. It would be nice if the services didn't 'hiccup' as much as they do.*
205	*We need choices with our broadband provider and better cellular service,*
108	*We take meetings from home. Our children like the stream shows. The internet has always been horrible in this area. They told us that the wires run underground are disconnected (per ATT) we would love to be able to do the things we need to do without such slow speeds and the constant loss of connection.*
44	*We use Comcast Business to get better broadband than residential already, so we are satisfied, except it is expensive.*
155	*We would fiber optic internet*
92	*We would prefer to have fiber internet over cable.*
117	*When we moved here in 2020, we had AT&T as our ISP but we ran into problems by the fact of the lines kept on going down and slowing down our speed after a year of working with AT&T it was determined that the lines in the house was fine but the outside line were the issue. My comment is that I am sure that I am not the only person in the birch grove area that is having this issue. Since we are on T-mobile home internet we have zero issues with our interent.*
176	*Would like to automate as much of the home as possible*

Affordable Connectivity Program (ACP)

The FCC introduced the Affordable Connectivity Program (ACP) to improve broadband accessibility and affordability for low-income households. Qualified households can receive a $30 monthly subsidy from participating broadband providers, lowering the cost of securing a 100 Mbps download speed broadband connection. By making internet access more affordable, the ACP aims to reduce the digital divide. Cities can effectively promote the advantages of the ACP to residents and program managers serving disadvantaged communities.

According to data from educationsuperhighway.com, a key ACP adoption tracker and information provider, the table below displays a 26% adoption rate among eligible families within city limits. The data also highlights that 738 eligible households currently lack regular internet access and often rely on cellular hotspots for connectivity. Notably, cellular providers, being private entities, operate on profit-oriented business models, limiting the public sector's control and influence over the coverage they provide.

City	Adoption Rate	Eligible Households	Enrolled Households	Eligible Unconnected Households
Newark	26%	4488	1146	738

Among the survey respondents, the table below indicates the levels of awareness and adoption. It is concerning that only 26% of the eligible households in Newark are utilizing the program, especially considering the national average adoption rate of 80%. Given this significant gap, the City of Newark should prioritize promoting and increasing awareness of the program in underserved areas, aiming to bridge the digital divide.

KNOW ABOUT THE ACP		
Yes	39.9%	67
No	60.1%	101

TAKING ADVANTAGE OF ACP		
Yes	1.2%	2
No	98.8%	166

It should be noted that 34 respondents would like to receive additional information regarding the ACP.

Community Outreach Meetings

To gather information regarding the needs of the community in Newark, GTG, working with City staff, held a stakeholder outreach/listening session allowing the public to voice their opinions in a structured manner. Although the meeting had relatively low attendance, the participants provided some quality information. The low attendance was more than likely due to the broadband availability in Newark. The meetings were publicized by City staff with emails, publications and signs being used to inform the public of the meetings. The public tends to only attend these types of meetings if there is a serious problem they are experiencing, or the state of broadband is overall unsatisfactory. Newark is well served by the local incumbents presumably leading to the low meeting attendance.

Policies

The City of Newark does not have policies in place regarding broadband and related assets. Basic broadband policies include a Dig Once policy or joint build, master license agreement, construction standards, developer agreements or similar mechanisms.

A Dig Once policy would include procedures to facilitate broadband development and minimize restoration issues. Developer agreements are another way to have developers of larger parcels or land development provide broadband infrastructure. These could be put in place to reduce costs for expanding broadband in Newark and to support City services.

Permitting and restoration requirements follow city standard processes and timelines. The city should evaluate an expedited process to support broadband expansion.

On a positive note, the city's general plan does reference technology in multiple areas. This is a best practice that Newark has in place including:

1. LU-1.5 Technology Focus. Promote the city as a good location for technology businesses and clean industry, capitalizing on Newark's location within Silicon Valley.
2. Action T-2.D. Utilize Technology to Improve Safety. Evaluate and implement alternative safety measures for bicyclists and pedestrians using the latest technologies available.
3. Policy E D-1.2 Newark's Competitive Edge. Maintain and enhance Newark's competitive edge relative to other cities in the East Bay, Silicon Valley, and Peninsula Areas, particularly in the **technology** sector. This will require competitive fees and fast processing times.
4. Policy E D-1.7 Flexibility. Ensure that city policies, zoning, and economic development programs are flexible enough to respond to rapid changes in **technology**, real estate market dynamics, and the workplace. Economic development efforts should be modified and adapted as necessary as local, regional, national, and global economic conditions evolve.
5. Emergency Preparedness references to updating response to new requirements, technology, and communication protocol.
6. Action EH-1.B Code Updates. Periodically revise construction codes and regulations to incorporate the latest **information** and **technology** related to natural hazards such as earthquakes and flooding.

This plan supports expanding broadband and Smart City initiatives to enhance public safety, economic development, transportation, and mobility, as well as other improvements that increase efficiency and expand services to Newark's community.

Gaps

The gaps in fiber optic infrastructure appear to be in a lack of consistent coverage by the incumbents. Deciding where and how to build in any city or urban area is a highly secretive process and usually does not make clear sense to anyone reviewing coverage maps. Newark is not different, as shown in the

map below, with select neighborhoods built with FTTP (fiber-to-the-premise) as reported by a national incumbent, while the neighboring areas are not built. This creates gaps for the City of Newark to try to solve and encourage providers to build satisfactory networks.

As you can also see in Figure 20 below, there is virtually no fiber network or access in the business areas around the city, with the incumbent providers not offering fiber services to commercial market. The incumbent providers will on occasion support businesses with fiber connectivity, however at very high upfront construction costs. Consequently, reliability and speed seem to be major issues for businesses. It is important that the city supports economic development, especially in the retail sector, as the city relies on sales tax as a major revenue source.

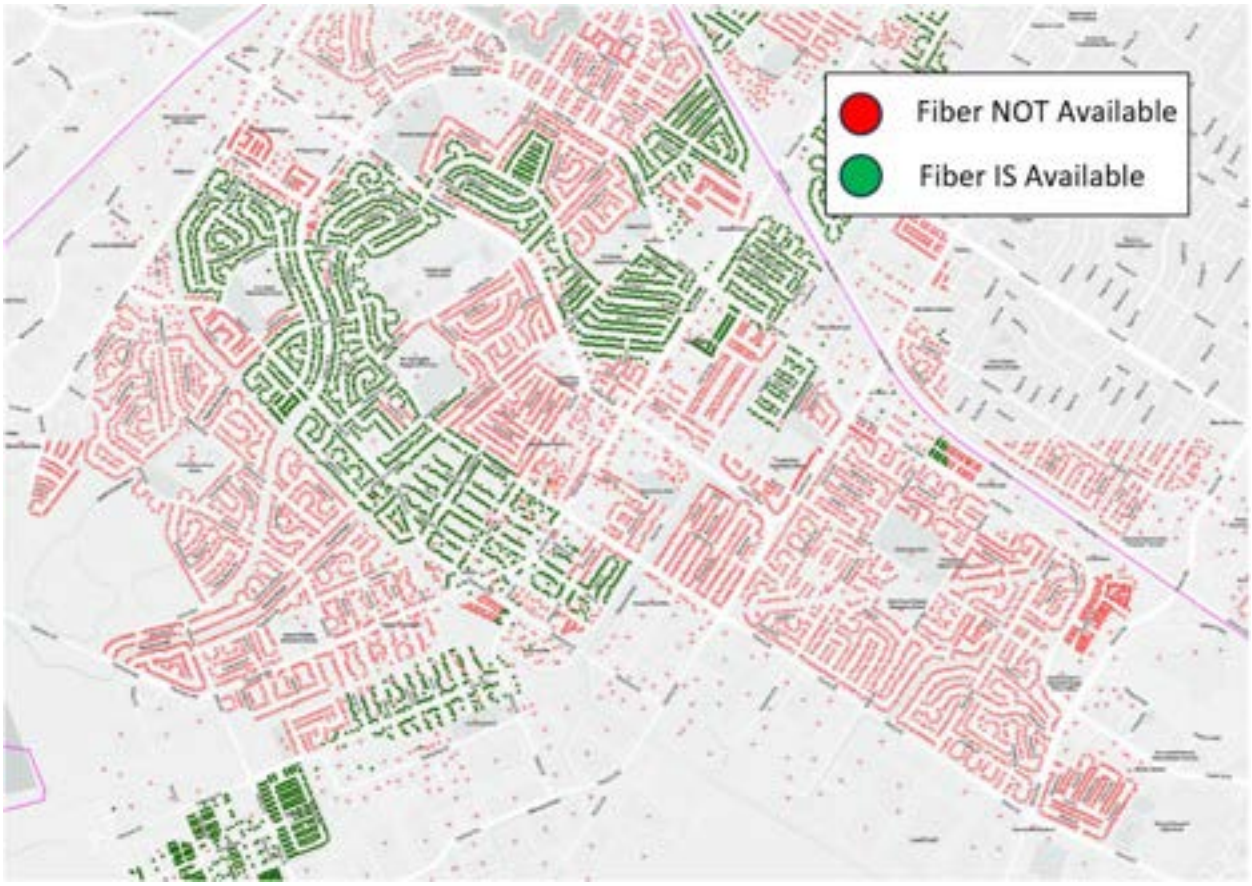


Figure 20 – Fiber service availability

Newark has major gaps in its policies related to fiber and other network infrastructure. These gaps include:

- Dig Once policies and joint-build policies and programs.
- Developer Agreements that include fiber and conduit expansion.

- Siting cell sites and antennas on public assets/property, including a master license agreement
- Assets to leverage an expansion of the fiber network
- Fiber services to a significant portion of the commercial and industrial sectors of the city, as outlined in phase areas 1 – 3, which is detailed further in the report.

Conceptual Design

High-Level Designs (HLDs) represent a conceptual framework featuring routes, potential construction methods and overall project estimated footage, offering a budgetary overview and potential timeframes for project completion.

The City of Newark presents a distinctive scenario, necessitating a tailored approach to HLD development that caters to the diverse needs of its community. With varying levels of internet accessibility among residents, ranging from robust connectivity to the absence of broadband, the HLD must address the connectivity of city facilities, support residents lacking broadband access and contribute to the economic development of Newark.

The HLD is strategically put together, prioritizing the use of the most cost-effective construction methods. Initial considerations involve leveraging existing infrastructure, such as fiber optic cables, conduits, and other pre-existing assets, before implementing new construction. Underground construction, such as boring and plowing, are generally recognized as the most expensive and time-consuming approaches to network development. While the expenses associated with new construction methods can vary significantly, they generally surpass the costs of utilizing existing infrastructure. The chart below illustrates the available construction methods along with estimated costs for each.

Construction Methods	Estimated Cost/Foot	Brief Description
Existing Infrastructure		
Existing city owned fiber optic cable	$4 – $10	Re-splicing, adding splice cases, testing, and documenting existing fiber
Existing city owned empty conduit	$10 – $15	Placing new cable in existing conduit, splicing, splice cases, testing and documenting fiber

Remove and replace city owned Fiber	$25 – $35	Removing working circuits, splicing, adding splice cases, testing, and documenting existing fiber
Upgrade traffic interconnect conduit	$30 – $40	Removing interconnect cables, upgrade handholes and sweeps, pull new cable, splice, test, and document
Aerial Construction		
Over lash aerial cable	$7 – $15	Pole Loading, place new cable on existing strand (over lash), splice, test, and document
New attachment aerial cable	$15 – $25	Pole load, build new attachments, place strand, lash cable, splice, test, and document
New aerial with new poles	$90 – $120	Same as above but must permit and place new telephone poles first.
Underground Construction		
Plowing	$30 – $40	Using a vibratory plow with 4' stinger to place conduit prior to new cable placement
Micro trenching	$20 – $30	Micro trenching uses a thin 1" – 2" by 12" deep to cut a trench into the ground, pavement, or other and place conduit in the trench and seal it with special material to prevent cable from coming out of the trench.
Rock Wheel	$110 – $125	Uses a 6" – 8" blade to cut a trench up to 36" deep through any material including rock, gravel, asphalt, dirt etc.
Boring/Directional Drilling	$95 – $120	Uses rods and a machine to drill a hole under the surface of the earth at any depth needed with minimal disturbance
Open trench	$80 - $100	Using machines like mini excavators, backhoes, shovels to open a trench to place conduit and back fill over conduit

Assumptions used for the City of Newark HLD include:

- The HLD consists of connecting city facilities. By prioritizing the facilities according to usage and cost to construct, the HLD is broken into 3 phases.

- The HLD was updated per Council feedback to add fiber and WiFi connections to four City Parks, improving access to underserved areas within the City.
- All new underground construction will be directional drilling/boring.
- Construction costs are for infrastructure, including cable, splicing, and prevailing wage.
- Construction methods are chosen in order of cost effectiveness, providing a fiscally responsible build.
- Due to all construction and engineering costs increasing by over 30% after COVID-19, the HLD cost assumptions include a 20% contingency.
- City assets will be used to house all major equipment and power needed to build, run, and maintain the network.
- All cabinets, hubs, distribution multiport service terminals (MSTs) and other assets built must be placed in the public right-of-way.
- Routes are based on road access. There may be easements to lessen the footage and will be discovered during the low-level engineering.

Tradeoffs

Construction methods cost very differently, and the inclination would be to use the least expensive methods to save on the up-front capital investment needed. However, all construction methods have positive and negative elements, and the tradeoffs are something that needs to be considered in advance of construction of a network. Below are some examples of tradeoffs when considering different construction methods.

Example 1: New underground construction can be done in a variety of ways, with boring being one of the most expensive. Microtrenching is one of the least expensive methods but has drawbacks that need to be evaluated and mitigated prior to use. Microtrenching is a shallow underground technique that is a viable in neighborhoods where there is little traffic and little exposure to major emergencies, such as water main breaks, that require major excavation in a hurried manner, possibly exposing the shallower fiber to damage and outages. However, in major intersections, heavily travelled roads, water mains, storm drains, side sidewalks and gutters microtrenching present a much higher risk to damage than using directional drilling/boring, which is much deeper at 36” - 48” deep on average.

Example 2: Aerial construction is one of the fastest construction methods to deploy. The positive reasons for building aerial infrastructure include speed to deploy, relatively inexpensive labor costs versus other methods and easily inspectable infrastructure. With the cost of aerial about 1/5th to 1/4th that of new underground (boring), it makes aerial the obvious choice. However, there are negatives involved with aerial construction that must be understood and accepted prior to being used. This includes a vulnerable infrastructure more easily damaged and susceptible to vandalism, as well as yearly pole lease fees, making aerial not as attractive over time. The yearly pole leasing fees add up and can negate any cost savings over a matter of 20 years. It is important to understand the tradeoffs when it comes to construction methods and how those factors can affect the network overtime. Especially the upfront capex costs versus the operational costs.

Example 3: Underground construction has very high initial costs and a myriad of additional operational costs. Anyone doing underground digging must call 811 to avoid hitting utilities that have been buried. All owners of underground infrastructure must respond to these calls and mark where the underground infrastructure is located. These services have costs associated with them, which are usually outsourced to companies specializing in locating underground utilities. In the event of damage to underground infrastructure, this maintenance can be very expensive, with costs estimated to be 5% - 10% of the total network cost annually.

One can see that when viewed as a process and not simply a construction method, but rather using operating costs, vulnerabilities and other concerns, choosing a infrastructure can be a far more complicated process than initial cost alone.

Phasing

Most city-wide networks are broken into smaller phased areas that are meant to speed up deployment, bring in revenue prior to the entire network being built and to provide milestones to gauge budget, timing, and overall success of the project.

An additional benefit to the city in replacing current broadband services is reducing the reliance on very high-cost internet services and connections.

Phase	Construction Type	Est Footage	Miles	Percentage
Phase 1	Aerial	8,239	1.56	46%
	New Underground	9,599	1.82	54%
Phase 1 Total		**17,839**	**3.38**	
Phase 2	Aerial	3,203	0.61	64%
	New Underground	1,788	0..34	36%
Phase 2 Total		**4,991**	**0.95**	
Phase 3	Aerial	4,986	0.94	74%
	New Underground	1,717	0.33	26%
Phase 3 Total		**6,703**	**1.270**	
Grand Total		**29,532**	**5.59**	
20% Contingency		**35,438**	**6.71**	

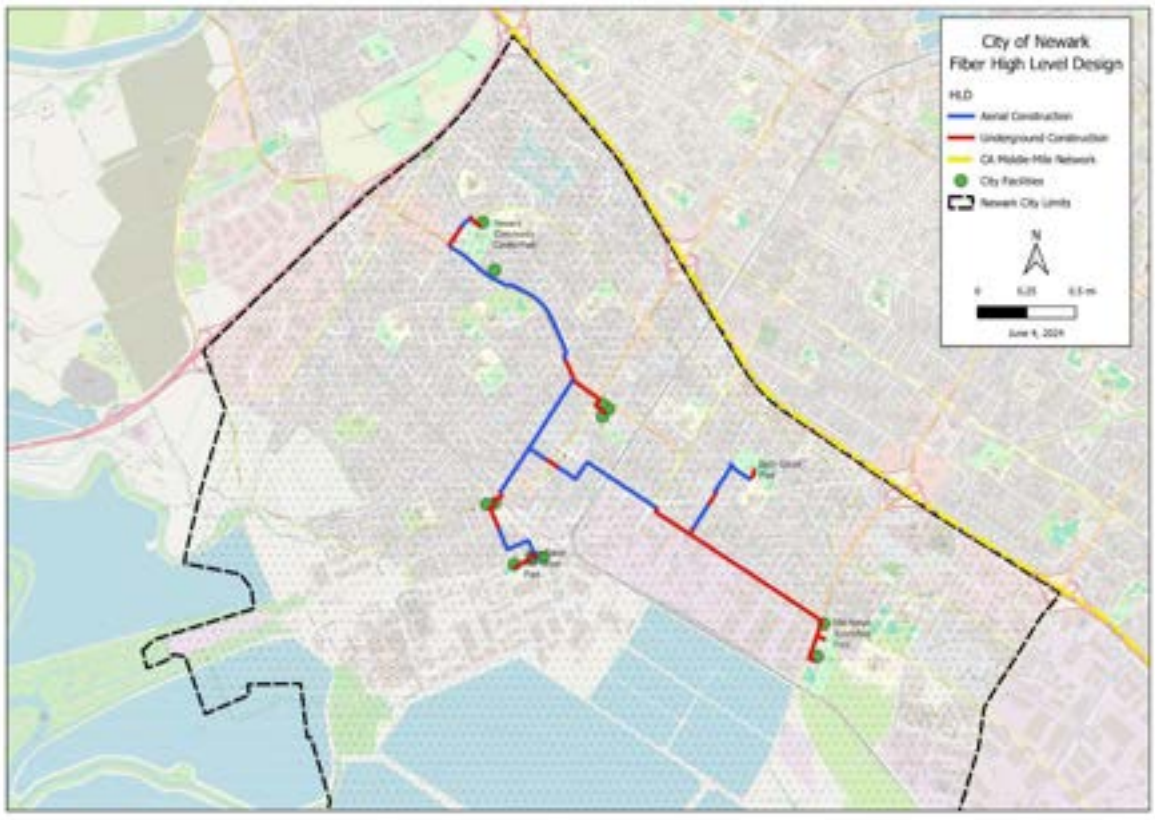


Figure 21 – HLD by Construction Type

Phase 1

During the needs assessment, it was made clear that the Sillman Center is a major recreational hub for the residents, students and visitors and the facility offers many amenities that benefit those in the area. This phase contains much of the new underground construction, due to the lack of poles and other aerial infrastructure along Cherry Street. This phase connects the Silliman Center and Fire Station 27. As shown in the table below, the construction cost for phase 1 is estimated at $1.406 million, making it the most expensive phase. It is the recommendation to connect Mel Nunes Sportsfield and Birch Grove parks during this phase.

Phase 2

Phase 2 builds off phase 1, requiring at least some of that phase to be complete before it can be initiated. The footage in this phase is far less, but is just as important, as it connects areas of great importance for the City of Newark. In this phase, the following will be connected: Fire Station 28, Center for the Elderly and Public Works Corps Yard. This phase has an approximate value of $303,545 according to the sample table below. It is recommended to connect Jerry Raber Ash Street Park during this phase.

Phase 3

Phase 3 connects the remaining two city facilities, Fire Station 29 and Community/Childcare Center by adding infrastructure to phases 1 and 2. The cost of this phase is estimated at $339,233. It is recommended to connect Newark Community Center Park during this phase.

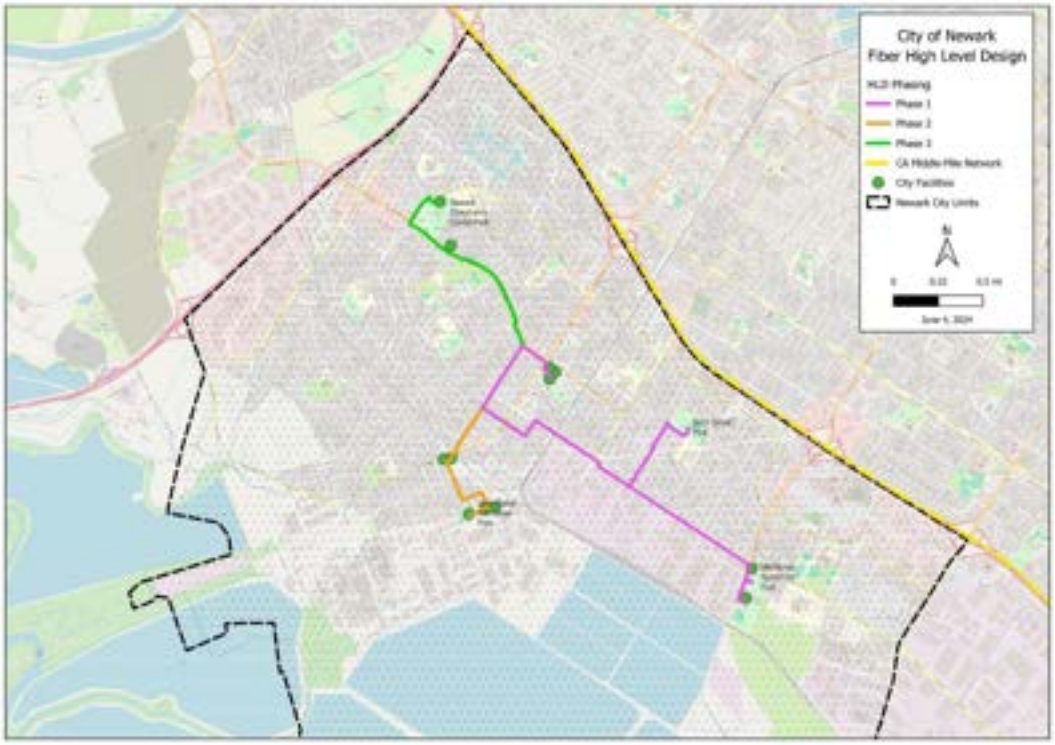


Figure 22: HLD Map by Phase

HLD Footages, WiFi and Budget

During the April 25th 2024 council meeting, where the Broadband/Smart City draft was presented, Council expressed a desire to provide wireless connectivity for its community. Based on analysis of surveys including identifying areas that are highly populated community gathering areas, this report was updated to include fiber and WiFi to Mel Nunes, Birch Grove, Jerry Raber and Newark Community parks.

The following table outlines the projected construction types, along with their estimated footage and costs. The cost per foot includes prevailing wage, engineering, cable, and splicing. It does not include any new equipment. As previously noted in the report, the costs significantly surged in the last year, attributed to post-COVID inflationary trends. These pricing figures were gathered through discussions with utility contractors in the local area, who acknowledge the ongoing upward trajectory of construction-related inflation. However, they anticipate this phenomenon to stabilize soon. It is crucial to

emphasize that given the volatile nature of construction costs, the estimates provided below will remain valid for a limited duration.

Phase	Construction Type	Est $/FT	Segment Total
Phase 1	Aerial	$25.00	$205,977.50
	New Underground	$125.00	$1,199,925.00
	WiFi		$57,929.38
Phase 1 Total			**$1,463,831.88**
Phase 2	Aerial	$25.00	$80,070.00
	New Underground	$125.00	$223,475.00
	WiFi		$36,558.53
Phase 2 Total			**$340,103.53**
Phase 3	Aerial	$25.00	$124,657.50
	New Underground	$125.00	$214,575.00
	WiFi		$36,558.53
Phase 3 Total			**$375,791.03**
Grand Total			**$2,179,726.44**
13.6% Contigency			**$2,476,169.24**

Cost of Services by Phase

The table above shows the cost of construction for the 3 phases, while the table below shows the current cost of service the city pays for, listed by location. As the phases are built the operational cost for each location that will be served by the new network should be noted as savings and treated as a return on investment of the new construction and overtime, will further justify completing the network.

Build Phase	Facility	Service Address	Monthly Totals	Grand Total with Taxes and Surcharges	Annual
Phase 1	SILLIMAN CENTER	6800 MOWRY AVE	$1,102.66	$1,364.46	$16,373.52
Phase 1	FIRE STATION #27	39039 CHERRY	$494.39	$623.46	$7,481.52
Phase 1	LIBRARY	37055 NEWARK BLVD	$114.12	$142.01	$1,704.12
Phase 1	POLICE GROUND FLOOR	37077 NEWARK BLVD	$2,341.00	$2,926.00	$35,112.00
Phase 1	COUNCIL CHAM	37101 NEWARK BLVD	$59.52	$74.40	$892.80
			Total Cost	**$5,130.33**	**$61,563.96**
Phase 2	SENIOR CENTER	7401 ENTERPRISE DR	$171.79	$217.50	$2,610.00
Phase 2	SERVICE CENTER/CORP YARD	37440 FILBERT	$752.24	$923.11	$11,077.32
Phase 2	ALT EOCFIRE STATION 28	7550 THORNTON AV	$853.24	$1,025.07	$12,300.84

Phase 2	OLD FIRE STATION 1	7700 THORNTON AVE	$38.04	$45.90	$550.80
Phase 2	WATKINS HALL	37103 ASH	$38.04	$45.90	$550.80
			Total Cost	**$2,257.48**	**$27,089.76**
Phase 3	COMMUNITY CTR/CHILD CARE	35501 CEDAR BL	$769.03	$1,003.03	$12,036.36
Phase 3	FIRE STATION 29	35775 RUSCHIN DR	$624.32	$744.39	$8,932.68
Phase 3	37365 ASH	37365 ASH	$38.04	$45.90	$550.80
			Total Cost	**$1,793.32**	**$21,519.84**

Business Model and Funding

There are a range of business models for local governments to impact broadband development, from passive, policy-only models to fully active, full-service models. To follow best practices, it makes sense to develop policies to encourage local, non-profit broadband service providers. This would involve establishing expedited, non-discriminatory access to local Public Right of Way (PROW) and standards for constructing and developing network assets that use the PROW. Beyond that, the city could establish procurement preferences for services from such providers and a special class for them within a wireless facilities master license agreement.

To determine the proper business model for a municipal network, local governments need to understand the various factors and how they interplay with each other.

The different business models shown in the table below compare the various levels of investment and amount of municipal control. The City of Newark has different options from doing nothing, letting the incumbent providers handle broadband all the way to becoming a municipal ISP and provide services to the community. Rarely is extremely a viable option with the key factors leading to a business model somewhere in the middle.

Business Models

Internal expansion

Any business model beyond leasing a limited amount of dark fiber will require dedicated staff. Dark Fiber is unused fiber that can be leased and is maintained by the lessee, reducing impact to staff and city resources. The program or division would need a broadband manager with a strong understanding of facilities leasing and maintenance. The broadband manager would be responsible for the overall organizational performance, focused on finances and governance.

If the city is actively promoting use of the network, it will also need a sales and marketing specialist to identify and manage leases. The sales and marketing manager may also work with wholesale customers to promote internet services to the community. An infrastructure specialist will also be needed to follow through with the policies put in place, dig once, also to track placement, ownership, and maintenance of the infrastructure. Finally, the program or division will need a fiber management system (FMS) and should have a maintenance fund to cover repair costs. Major maintenance or repair tasks—anything requiring excavation—would need to be contracted out. Additional positions may also be needed, depending on the scope and scale of the project.

If the city were to move forward with any of the above, it would require substantial overhead and operating costs, as well as a much larger capital investment in infrastructure and equipment. Payroll can account for 90% or more of ongoing costs. Equipment licenses, maintenance, refresh, and upgrades create high periodic costs and ongoing reoccurring costs. Limiting operations to a backbone network will greatly reduce both up-front and on-going costs and set the stage for private investment.

Public Private Partnership (P3)

P3 agreements are a common business model in the modern municipal network for the construction, operation, and maintenance of city-owned infrastructure. These agreements are so popular because they can entail any of the following business models by working with private ISPs and creating an agreement that the city can support. All cities have varying amounts of assets, capital, and staff to support municipal networks. Some cities have a sufficient staff to run and monitor a network, some cities contract the majority of the operations to private companies or individuals and have little staff that can help with the

running of a network, while other cities have substantial infrastructure that can be leveraged in a P3 to ultimately generate revenue through these agreements. It is important to understand the level of commitment from both parties when considering the following:

- Who will pay for the network construction?
- What funds will both parties be required to put into the agreement?
- What are the roles and responsibilities of either party?
- Who will determine the ownership and control of any future network expansion?
- What is the revenue model that will allow both parties to benefit from an agreement?

Public policy only

Public policies are a vital part of the modern city broadband network, whether it be city or privately owned. Policies that may have a substantial impact on the broadband networks include Dig Once policies and developer agreements. Dig once policies put in place a mechanism for the city to add infrastructure while other companies and agencies are doing work in the right-of-way allowing the city to add infrastructure as part of these other projects. Developer agreements are important because they allow the city to require infrastructure to be added to the development of large plots. Other policies that should be created and implemented are those streamlining the permitting process to encourage local ISP investment in broadband throughout the city. A major deterrent for private company broadband construction in municipalities is if the permitting process and restoration requirements impact the return on investment (ROI) that drives all private company investments. This is not a real “business” model but does have an impact on the local broadband market and regardless of the business model used, policies must be evaluated and updated or implemented.

Infrastructure provider

In this business model, the municipality builds infrastructure and leases that infrastructure out to other agencies with the goal of generating enough revenue to, at a minimum, pay for the cost and maintenance of the infrastructure. Private companies work off profits and ROI models that require lower cost construction and enough subscribers to offset these costs. There are areas in every city that have a low ROI and private companies simply will not build in these areas and skip to higher profit areas. Cities can build infrastructure that the private sector can use, lowering the costs of construction and increasing the ROI. The infrastructure can be conduit only, fiber or wireless towers.

Public services provider

Cities connecting publicly owned assets, public organizations, county, nonprofit organizations, schools, libraries and/or other non-private locations are considered public services providers. These organizations are usually limited to anchor institutions, critical organizations, public safety organizations, utilities, and healthcare. A government owned network can provide a better quality of service at lower costs.

Open access provider

Open access networks are those networks that do not offer exclusive access to any one entity. This philosophy is geared towards increasing competition and potentially increasing revenue by not limiting access to only one lessee.

Lit services are when the provider supplies the equipment, fiber and anything needed to support a certain level of service. Simply put, if the customer wants 100 Mbps service, that is what the city would need to provide. The customer pays for the level of service they want and the cost increases with the increase in speed.

Conversely, if the customer wants to provide their own equipment, the city will only provide the fiber from end to end and the customer is responsible for the equipment and speeds they are wanting. The city only maintains the fiber and does not have any involvement with the equipment. These circuits are known as "dark" circuits and the bandwidth used is not controlled by the city. Although the equipment is not provided by the city, the circuits are remarkably close in cost.

Municipal services provider (ISP)

Municipalities that provide end user services to residential and business customers are considered retail service providers. Most commonly, local governments offer triple-play services consisting of phone, television, and Internet services, essentially becoming an equal competitor to incumbent cable and broadband providers. As a retail provider, the organization is responsible for a significant number of operational functions, including management of retail services, network operations, billing, provisioning, network construction, and general management.

For a municipal services approach, the following would need to be taken into consideration:

Capital Expenses

- Develop the cost model for the network, including one-time and ongoing capital expenditures to build the network. This will include an assessment of current facility locations, city-owned land and the city right-of-way for construction and the need to purchase any land or equipment.
- Provide a phased deployment approach, including prioritization and costs for each phase.

Operating Expenses

- Develop the cost model for operations, including operations and maintenance, network operations, field services, staffing, billing, and customer service.

Revenue Potential

- From the market analysis and outreach, determine the customer segmentation and growth on the network, across each type of customer (business, school, hospital, etc.).
- Determine customer growth rates for the network, based on benchmarking analysis from other utility and municipal providers.
- Determine a proposed competitive rate schedule for potential services, using pricing information from the market analysis and benchmarking information.

Financial Viability

- Develop financial statements including:
  - Operating income and cash flow
  - Net present value analysis
  - Projected revenues and benefits
  - Uses and sources of funds
  - Operational expenses
  - Depreciation schedule
  - Debt service analysis
  - Key assumptions
- Conduct comprehensive financial analysis on the project to determine overall financial sustainability using key metrics such as free cash flow, debt service coverage, operating margin, and net income.

Grants and Other Funding Sources

The City of Newark is an affluent community and therefore is not competitive for most federal and state grants that support expanding broadband to unserved and underserved communities. The city should monitor and apply for

transportation and Smart City related grants which can be coupled with expanding fiber optic installation to expand broadband in the community.

The city has been prudent in the development of a CIP for conduit infrastructure tied to street projects. This supports expansion of broadband in the community and supports regional efforts related to broadband. In addition to the CIP, the city should evaluate the addition of technology fees, which can facilitate building out broadband quicker, supporting the community and economic development.

The City has existing American Rescue Plan Act (ARPA) and Public, Education and Government (PEG) funds that can be used to begin the installation of broadband infrastructure within the constraints of the funding sources and if not already allocated to other city projects. Due to the city's lack of competitiveness for current broadband grants, the city is left with limited options outside the above sources. Other options include bonds, debt, or direct revenue (fees & taxes).

Recommendations

The city needs to create a platform to attract investment and innovation. The following recommendations support the city in this effort.

Form or designate a broadband advisory committee.

Without accountability and designated resources, master plans can fall by the wayside. It is important that there is a level of accountability. The city should evaluate a committee of city staff that have the level of authority and interest to ensure broadband progresses in the community. A point person with interest in the project should be appointed as the lead to this team.

Investigate a Public Private Partnership (P3).

Private companies have the experience and expertise to engineer, build out and maintain a city network. Through partnerships, allowing the partner to use the infrastructure constructed for the city network, costs can be greatly reduced and help alleviate the operational expenses of owning a network. The city staff should maintain the equipment, routers and services, and the partner should maintain the physical layer of cables and splicing. A partnership should be leveraged to add competition and reduce the need for the city to build a fiber-to-the-premises, FTTP, network. A P3 partnership would meet one of the city's goals to offer internet to the public at reduced costs with improved reliability.

Create policies and workflows.

Create workflows and city policies that aid in the further development of broadband infrastructure through Dig Once policies, updated construction standards, developer agreements and requirements, including infrastructure with capital improvement projects and other policies. These policies should be applied to both the public and private sectors doing work in the public right-of-way (ROW).

Permitting and restoration requirements prove to be difficult for developers and private ISPs looking to build in the ROW. Permits can take too long to approve, but through policies and updated requirements, the city can alleviate some of this by ensuring the permitting process is streamlined.

SB 378 passed into law in 2022 and requires municipalities to allow microtrenching for the purpose of placing fiber optic cables, in certain circumstances. The city should consider creating a standard to address when microtrenching is going to be used, including policies in place for dealing with microtrenching during emergency digging in the ROW.

The city should also consider creating a digital inclusion policy that will further digital inclusion and help bring digital equity to Newark in support of digital inclusion efforts recommended below.

Create a Technology Enterprise Fund.

Dedicating all revenues generated from telecommunication carriers or ISPs through leases of city poles, ROW access, cell towers and/or land for placement of towers and other public assets to a Technology Enterprise Fund will ensure the city has a financing source for the purchase, installation and/or construction of new broadband assets and Smart City applications, particularly to take advantage of opportunities outside of the annual budget process, such as coordinated joint trenching. These funds would also be used for digital inclusion efforts.

Newark should consider investments that provide modern, reliable broadband infrastructure and programs that would offer free or low-cost services to qualified residents, the school district, and the library.

The city should also use the fund to support innovative Smart City/Connected Community programs that improve efficiencies while enhancing services for the community. This includes infrastructure investments that deliver real-time environmental, public safety and transportation information to stakeholders,

such as streetlight sensors for noise, air quality, on-street parking availability, traffic congestion and evacuation routes. “Push” notifications can be employed to relay important messages; retail location intelligence can improve economic development by offering analytic information on foot traffic in the surrounding business areas.

Incrementally build city-owned broadband infrastructure.

The city should adopt the HLD and implement policies that include broadband in all projects. If there is an opportunity to add this infrastructure as part of other projects, the city can incrementally build infrastructure as needed over time to reduce costs. Keeping the future in mind, the broadband committee should be included in the planning process with broadband being considered a utility like power, water and sewer.

Evaluate the use of Public, Education and Government (PEG) funds where applicable to enhance services with broadband.

The City has a need in the Emergency Operations Center (EOC) for multiple video and audio feeds for its Joint Information Center (JIC) to broadcast and monitor live reports of events.

The City also has the need for remote location broadcasting of events i.e. festivals and city events, which broadband would support.

The use of PEG funds is a potential source of funding to assist with these needs.

Support digital inclusion.

Digital divide is the problem and digital inclusion are the steps and activities to help fix the problem, with digital equity as the goal.

Digital divide is the gap between those who have adequate broadband and ability to use it and those who do not. It is easy to define the problem, however, less so to define the underlying causes such as affordability, physical access, owning devices that can access the internet, and even knowing how to use the internet effectively.

No two cities have the same issues that need to be solved, but there are some causes of the digital divide that exist, to some extent, in every town, city, county and state. One of those causes is the affordability of internet access. In addition to the local ISP affordability information provided on their websites, the city should promote the Federal Affordable Connectivity Program (ACP),

which is an FCC-funded subsidy that helps ensure households can afford the broadband they need for work, school, healthcare and more. Details can be found at https://www.fcc.gov/acp. The survey resulted in showing the city has a low take rate for the ACP program. Education regarding this important tool to assist those in need is prudent.

The library in Newark has many resources to be leveraged in digital inclusion efforts including computers, iPads, and other devices the community can benefit from. The city should promote the library and its resources to the community. The library has study rooms that can be used to hold educational classes on how to use the internet. The aged population tends to learn technology more slowly and can use help with how to access telehealth, doctor appointments, online bill pay, and many other activities required to exist in the increasingly online lifestyle of the world.

Another aspect of digital inclusion is to ensure the affordability of the devices that allow users to connect to the internet. Cities have surplus equipment, desks, computers, and laptops, among other things, which could be donated to senior centers, schools, economic development centers or any other group that helps lessen the digital divide. Senior centers are in particular need, with most residents being on fixed incomes with no way to purchase devices.

Next Steps

Outlined below is a summary of the next steps the city should take to improve and expand broadband.

1. Create a staff committee to advise, keep abreast of and hold accountability for broadband.
    a. Define roles and responsibilities.
    b. Keep the committee small and nimble, including representatives from key departments such as Public Works, Information Technology, Police Department, Community Development and a representative from the City Manager's Office.
2. In addition to the committee, assign or hire a person or consultant to be the City's point person leading the broadband efforts lined out in the study.

3. Pursue a public private partnership, create an RFP to find partnerships with a local ISP.
    a. Find a partner that can engineer and construct HLD phases 1 – 3 as appropriate and as budget allows including the addition of WiFi in the four city parks identified (Newark Community, Jerry Raber, Birch Grove and Mel Nunes).
    b. Create a partnership that will accomplish the goals of the broadband plan in providing underserved businesses with reliable service.
4. Review city policies to update as needed.
    a. Dig Once policy.
    b. Developer agreements.
    c. Create workflows and policy to ensure broadband is a consideration on all city capital improvement projects, permitted work in the ROW, and planning efforts.
    d. Review needs for wireless telecommunication facilities ordinance.
5. Create a broadband enterprise fund to support broadband efforts, construction, and partnerships.
    a. Assign a portion of PEG fees to a broadband fund where applicable.
    b. Assign a portion franchise fees to a broadband fund.
    c. Create a financing strategy that separately tracks revenues and expenditures for this fund.
    d. Create a funding policy that established a reserve as well as strives to ensure that revenues match expenditures without being a burden to the city's General Fund.
6. Incrementally build city-owned broadband infrastructure with a P3 if this model is selected.
7. Evaluate the community's needs for Wi-Fi for locations such as the Silliman Center, the Senior Cener, low-income neighborhoods, Restaurant Row, the Old Town area and City parks.
8. Monitor grants such as BEAD and CASF including funding for education and accessibility. Traffic grants are also a great source of funding for expanding a fiber network
9. Think regionally – the City should consider working with other local governments in the region to reduce costs and take advantage of economies of scale while improving services. This includes the county, schools, Ohlone College and other neighboring cities like Fremont and Union City that are pursuing expanding broadband as well.
10. Create a digital inclusion policy and program including the following:

   a. Promote the Affordable Connectivity Program or other programs that provide similar services.
   b. Use library resources to educate individuals.
   c. Standards for donating surplus equipment.

11. Promote digital inclusion efforts for the residents of the city.
   a. Promote the Affordable Connectivity Program. Newark has residents that have a challenging time affording internet access.

12. Instead of auctioning off extra and surplus equipment, donate to local groups and individuals that would benefit.
   a. Senior Centers
   b. Youth Centers
   c. Economic Development Groups
   d. Small Business Associations
   e. Under privileged households
   f. Schools
   g. Etc.

Connected Communities

Connected Communities AKA “Smart City” have different meanings city to city, and the definition has evolved over time. Initially, the focus was on infrastructure projects and centrally controlled systems with reporting and analytics. These investments provided very little value for the communities they served. Now, Connected Community initiatives focus on the use of technology and data to increase collaboration, drive decisions, and improve the community’s livability, workability and sustainability.

A Connected Community Program improves internal alignment to become an efficient, collaborative, and transparent city that is continuously improving cross-departmental coordination and data-sharing, refining operational approaches and priorities through a participatory governance process and active resident engagement.

Connected Communities help keep community members feeling inclusive, safe, and informed through continuous innovation with modern technologies improving response time and situational awareness.

Newark’s Connected Community/Smart City leveraged broadband as a foundation to build equity through creative ways of providing the necessary connectivity to support unserved and underserved neighborhoods.

Newark’s Connected Community/ Smart City plan should be coupled with the City’s broadband master plan to establish a collaborative ecosystem to bring together residents, businesses, industry, government, non-profits and other stakeholders to ideate and implement solutions that maximize “Livability” for residents, “Workability” in the City and “Sustainability” for all as overarching value propositions.

With the implementation of a Connected Community strategy and plan, operational efficiency will be improved and likewise become the backbone for delivering “Newark Community Connect," enabling the city to rethink and innovate how the city functions and delivers its services.

Government Technology Group (GTG) would use the following as a framework for helping Newark achieve its goals of digital transformation. This process aids transparency, programs, and budget alignment, coordinating across organizations to realize functional requirements

Vision

The vision establishes the foundation, by which the actual transformation is executed against. This vision should directly align with city initiatives and the

foundational principles of operational efficiency and improved service delivery.

Transformation

Transformation is the execution of the vision by way of specific projects aimed at delivering the desired outcomes. This is not so much technology centric, rather people and process oriented, leaning on technology to realize the objectives.

Outcomes

The outcomes reflect the improvements to the overall process of city operations and service delivery. They represent a new way for the city to measure performance, engage residents and build on a foundation of continuous improvement.

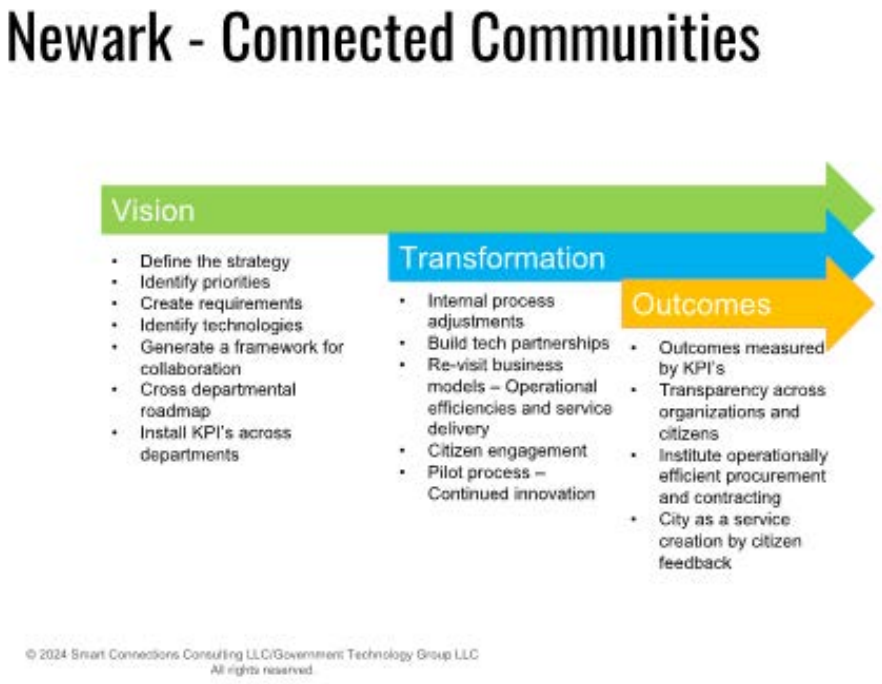


Figure 23 – Connected Communities in Newark

Case Study Examples

The cases below demonstrate Connected Community/Smart City use cases that we have participated in with the respective cities.

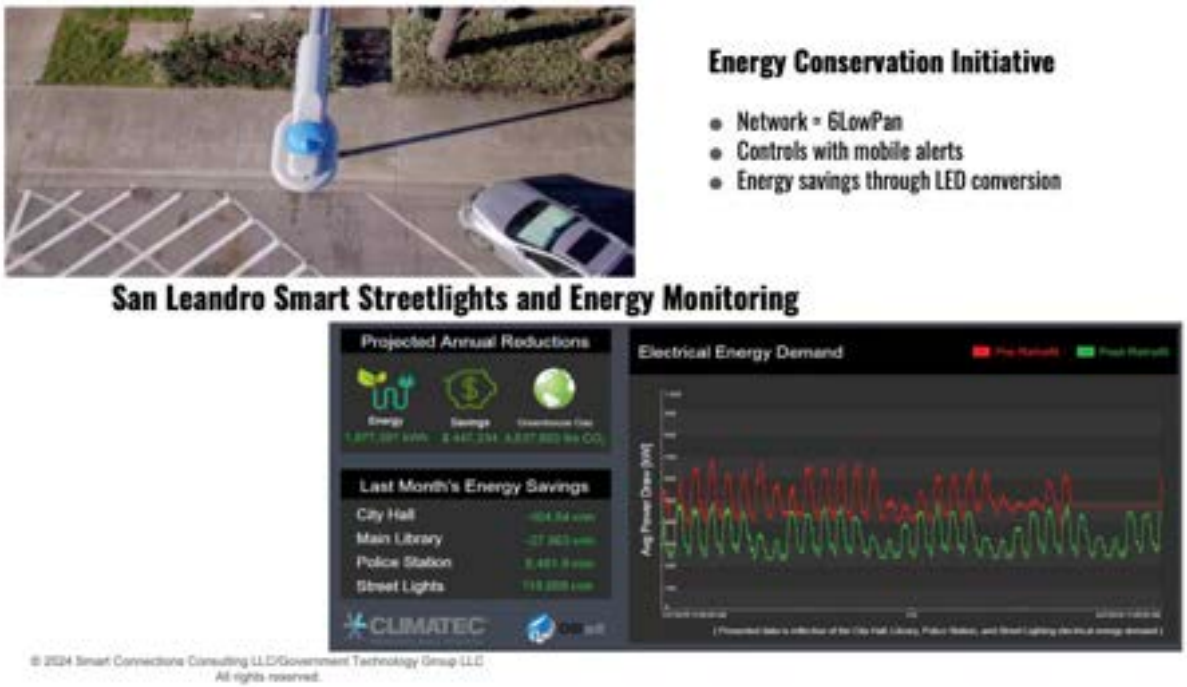
East Palo Alto – Digital Equity

During the pandemic the County of San Mateo took action to make sure that its infrastructure assets were utilized to deliver connectivity services to its underserved communities, East Palo Alto was the ideal community.

We leveraged the county's fiber as the backbone and solved the middle mile with CBRS (Citizens Broadband Radio Service) and deployed several WAPs (Wireless AP's) for the public Wi-Fi in various parks and city buildings. The Wi-Fi was used to connect the homes so that there was support for distance learning and remote work. The program was an absolute success and improved the county's DDI (Digital Divide Index) number.

San Leandro – Connected Lighting

The City of San Leandro initiated an LED relamping program and decided to connect the streetlights via a Low Power Wide Area Network (LPWAN) for the purpose of energy conservation.



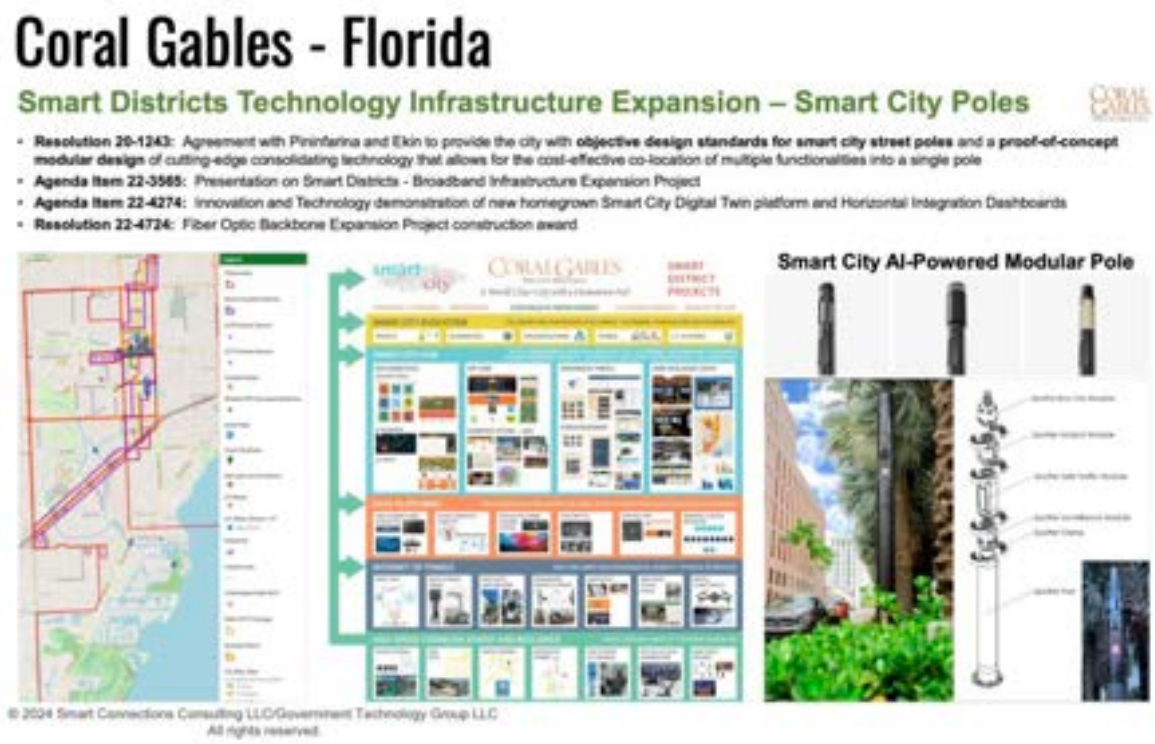
Lessons learned:

While the energy savings was successful, there were plans to leverage the lighting network for additional applications e.g. environmental monitoring, people counting, etc. The challenge was that the protocol for the wireless network was not broadly adopted, making it very difficult to integrate additional sensors for new applications. As a lesson learned, it is important to:

1. Ensure that the technical choice supports the strategic plan.
2. Understand the standards and protocols that are supported.
3. Leverage your infrastructure for more than a single use whenever possible.

Coral Gables – Connected Communities/Smart City Platform

The City of Coral Gables Florida set out over 10+ years ago to create a Connected Community that embraced services and transparency while improving city operations. This was under the leadership of Raimundo Rodulfo – CIO.





Coral Gables demonstrates the focus and effort it takes to deliver on the vision of "Connected Community/Smart City" by:

1. Establishing and revisiting their strategic plan.
2. Establishing the foundation of systems interoperability for improved service delivery.
3. Focus on innovation and open standards.
4. Clear KPI's that are communicated to the community.

Palo Alto – Digital Twin for Traffic Monitoring Case Study

Working directly with the Palo Alto CIO and the chief traffic engineer, the program was executed over the course of 18 months and has garnered significant visibility from an innovation perspective. The objective was to set the foundation for traffic modernization using existing data to build a real time digital twin as insight to aid in improving traffic flow and give priority to cyclists and pedestrians at crosswalks.



Leveraging the Trafficware Management System data provided in partnership by the city, we were able to deliver a baseline of the current traffic conditions to inform decisions on where to introduce “Adaptive Traffic Signaling,” as well as preparing for vision zero initiatives. The user interface allows for real time insight into traffic flow, congestion, and pedestrians at crosswalks.

The second part of the project was to deliver the ability to visualize the traffic data for the purpose of preemptive signaling, which was successfully demonstrated.

The outcome was successful and there were several additional use cases documented to leverage the traffic data combined with other city data - e.g. environmental monitors coupled with traffic flow data show the CO2 emissions based on traffic flow.

Newark Strategic Horizon Chart

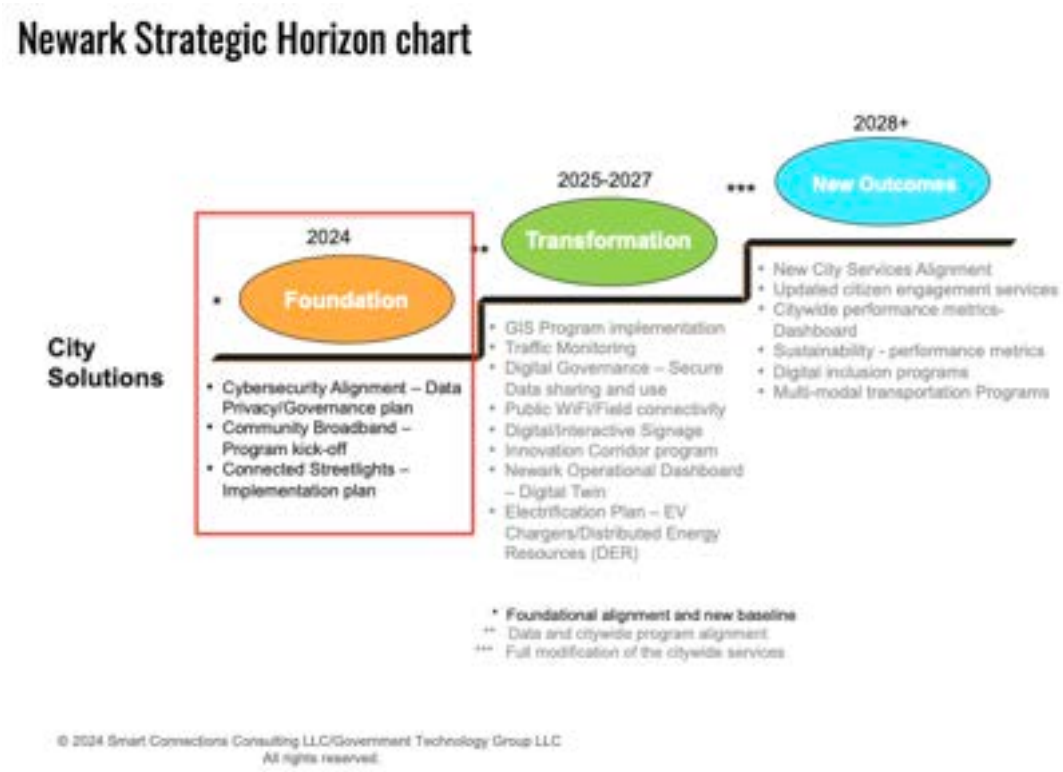


Figure 24 – Newark Strategic Horizon chart

The strategic horizon chart is a living reference tool that aligns programs and projects to the city vision for Connected Communities/Smart City. It is meant to be updated as priorities and initiatives change over time.

Top Areas of Opportunity

The following list highlights areas of opportunity for Newark to establish project initiatives that deliver value to the city and residents alike.

1. Connected street lighting
    a. Improves energy efficiency.
    b. Improves community safety.
    c. Reduces carbon footprint.

   d. Extends additional Connected Community applications e.g. Public Wi-Fi, Air quality sensors etc.
2. Community broadband
   a. Promotes Digital Equity and ensures reliable and affordable internet access for all community members irrespective of income or location.
   b. Enhances education and lifelong learning.
   c. Boosts economic development and innovation.
   d. Improves public service and citizen engagement.
3. Traffic monitoring
   a. Reduces traffic congestion and improves commutes.
   b. Enhances public safety and emergency response.
   c. Benefits environment and sustainability.
   d. Prepares for autonomous vehicles.
4. Cybersecurity, privacy, and data governance
   a. Improves the city's security posture.
   b. Improves transparency for the community.
   c. Prepares the city for use of the extended datasets generated by the solutions.

With a robust broadband strategy, the above listed solutions deliver a solid foundation for continued innovation for Newark's Connected Community.

Other Smart City/Connected Communities Recommendations

Newark has several areas that align to the strategy initiatives of Livability, Workability, and Sustainability. These domains are very common amongst the majority of cities.

Livability

- **Environmental Monitoring** – The benefits here are aligned to the city delivering information to the residents about the conditions in the surrounding areas. Is it advised to hike, ride bikes? Is the temperature combined with CO2 emissions safe? What is the particulate count?
- **Digital Signage/Kiosk** – The benefits here serve the residents and visitors as they will be able to walk and engage the signage for information. Likewise, it can be used to engage residents and allow them to initiate permits and other city forms without going inside city hall.

- **Security Monitoring** – The benefits here are aligned with residents feeling safe. It is likewise aligned with workability when the police department is looking for forensic information related to criminal activity.
- **Multi-Modal Transportation** – This benefits the city residents in a variety of ways.
  - Getting to public transportation hubs will improve the experience for all.
  - Establishing e-mobility programs for the elderly.
  - Could get residents out of their car and into public transportation which would have an impact on sustainability.

Workability

- **Wireless connectivity** – The benefits of the city considering ancillary wireless connectivity in conjunction with its fiber deployment covers workability as well as livability.
  - First responders will have reliable connections within a variety of areas in the city. This leans toward considering PLTE (Private LTE) for some areas of the city.
  - Benefits the residents when looking at large numbers of digital signs or additionally tap to pay EV Chargers, etc.
  - Field workers will have the ability to relay GIS information whenever there are changes needed.
  - Recreation centers will experience a much higher level of reliability as well as improved services.
- **GIS program** – This will benefit the city across the board. Operational efficiency when field visits are made in terms of understanding and clearly knowing where the assets, wireless AP's, etc. are located.
- **Digital Twin** – Digital Twins are very useful when the data is available. The benefits tie themselves to providing insight into a variety of areas and visualizing them in a single dashboard that is updating in real time.
  - Improvement in traffic monitoring – Leads to adaptive traffic monitoring.
  - Improvement in emergency response – Leads to managing routes to specific locations. Also, unifies the various data streams into a single view shared amongst the teams.
  - Can become the "Single Pane of Glass" used by most city workers.
- **Security foundation** – When extending Connected Community services to operational technology, the city should evaluate its security strategy and

processes to reduce risk to the city from potential cyber security incidents.

- **Automated redundant internet** – As innovation occurs and the city relies more heavily on the Internet to support its Connected Community program, it should evaluate automated redundant internet access if the new enhancements are deemed critical to the business needs of the city.

Sustainability

- **Buildings** – With Newark's sustainability targets, buildings (both old and new) should be under consideration. Note that Newark is already in a good place with the city hall and police departments already equipped with building automation to support HVAC and building services.
  - Energy efficient windows for all construction.
  - Solar and other distributed energy resources to reduce emissions.
  - Connectivity within building that monitors and manages lighting, HVAC, and energy.
- **EV charging** - This provides even greater value when attached to other sustainable initiatives, renewables, and other energy efficient programs.

GTG is well prepared to help Newark execute a plan for solution delivery.

With a robust broadband strategy, the above listed solutions deliver a solid foundation for continued innovation for Newark's Connected Community.

Acknowledgements

We would like to acknowledge with much appreciation the crucial role of city staff and regional stakeholders from Newark. City staff provided valuable feedback on a regular basis during the project in addition to assisting with getting the word out to the community regarding this important project.

STAFF REPORT

Item F. 2.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	James Scanlin, Environmental Services Manager
SUBJECT	Presentation on the status of the Sea Level Rise Vulnerability Assessment and Adaptation Strategy

SUMMARY AND RECOMMENDATION

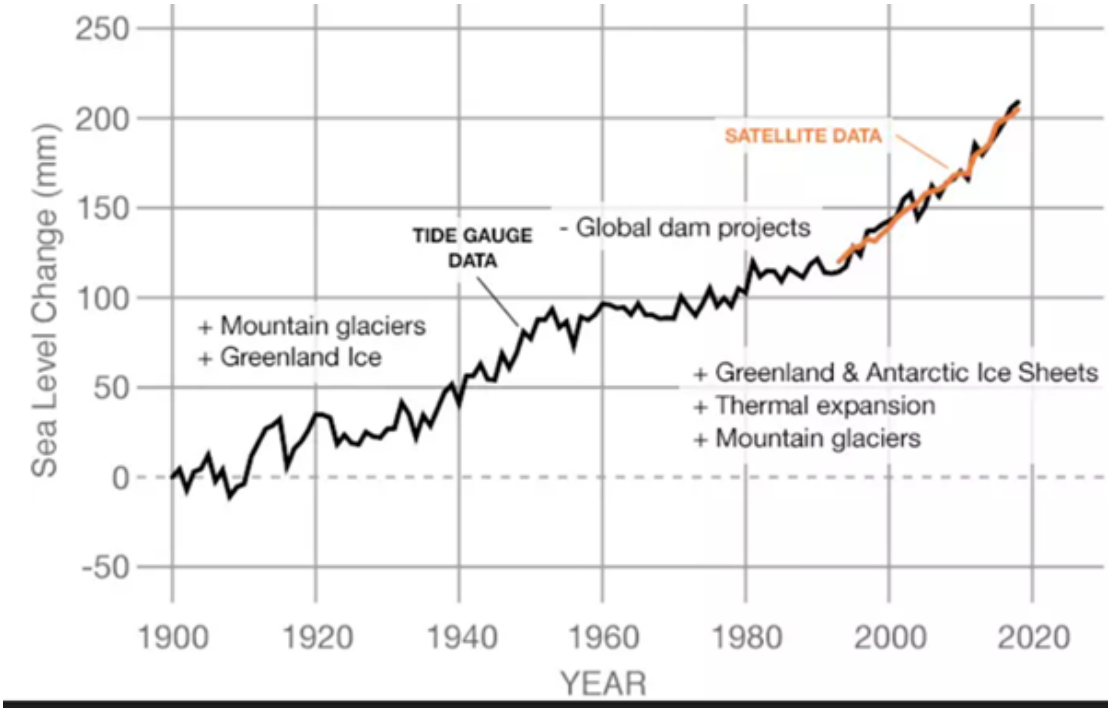
The City of Newark has initiated a comprehensive Sea Level Rise Vulnerability Assessment and Adaptation Strategy to address the challenges posed by rising sea levels and associated flooding risks. This project aims to develop a robust understanding of the City's flood risks and to formulate effective adaptation strategies. In July 2024, the City Council approved a contractual services agreement with Arup US, Inc. (Arup) to assist with the development of a flood modeling report, a vulnerability assessment, and an adaptation strategy. The flood modeling report and vulnerability assessment have been completed and are attached to this staff report. The next step is to develop adaptation pathways to respond to changing flood risks over time.

Staff recommends that the City Council receive a presentation from Arup US, Inc. on the results of the flood modeling and vulnerability assessment reports, and the process for developing adaptation pathways.

BACKGROUND

The sea level has been rising. The average sea level increased approximately 200 mm (0.65 feet) since 1900 and has increased more rapidly over the past 20 years. The graph below from the NASA website (climate.nasa.gov) shows the rise in sea level since 1900 based on tide gauges and, more recently, based on satellite data. This increase is due to the melting of glaciers and ice sheets and the thermal expansion of the oceans.

Figure 1: Rise in Sea Level Since 1900



Sea level is expected to continue to rise, possibly even more rapidly than in the past. *The Ocean Protection Council: California Sea Level Rise Guidance: 2024 Science and Policy Update* states that an additional 1.6 feet from the 2000 level provides a reasonable estimate of the lower bound for the most likely sea level rise by 2100, and that 3.1 feet provides a reasonable upper bound for the most likely range of sea level rise by 2100.

Table 1: Ocean Protection Council Sea Level Scenarios (in feet)

YEAR	LOW	INT-LOW	INTERMEDIATE	INT-HIGH	HIGH
2020	0.2	0.2	0.2	0.2	0.3
2030	0.3	0.4	0.4	0.4	0.4
2040	0.4	0.5	0.6	0.7	0.8
2050	0.5	0.6	0.8	1.0	1.2
2060	0.6	0.8	1.1	1.5	2.0
2070	0.7	1.0	1.4	2.2	3.0
2080	0.8	1.2	1.8	3.0	4.1
2090	0.9	1.4	2.4	3.9	5.4
2100	1.0	1.6	3.1	4.9	6.6
2110	1.1	1.8	3.8	5.7	8.0
2120	1.1	2.0	4.5	6.4	9.1
2130	1.2	2.2	5.0	7.1	10.0
2140	1.3	2.4	5.6	7.7	11.0
2150	1.3	2.6	6.1	8.3	11.9

California Senate Bill (SB) 272 (Laird 2023): Sea Level Rise Planning and Adaptation was signed into law October 7, 2023, and requires all local cities and counties in the state's coastal zone or jurisdiction of BCDC to develop a sea level rise plan that is subject to approval by the San Francisco Bay Conservation and Development

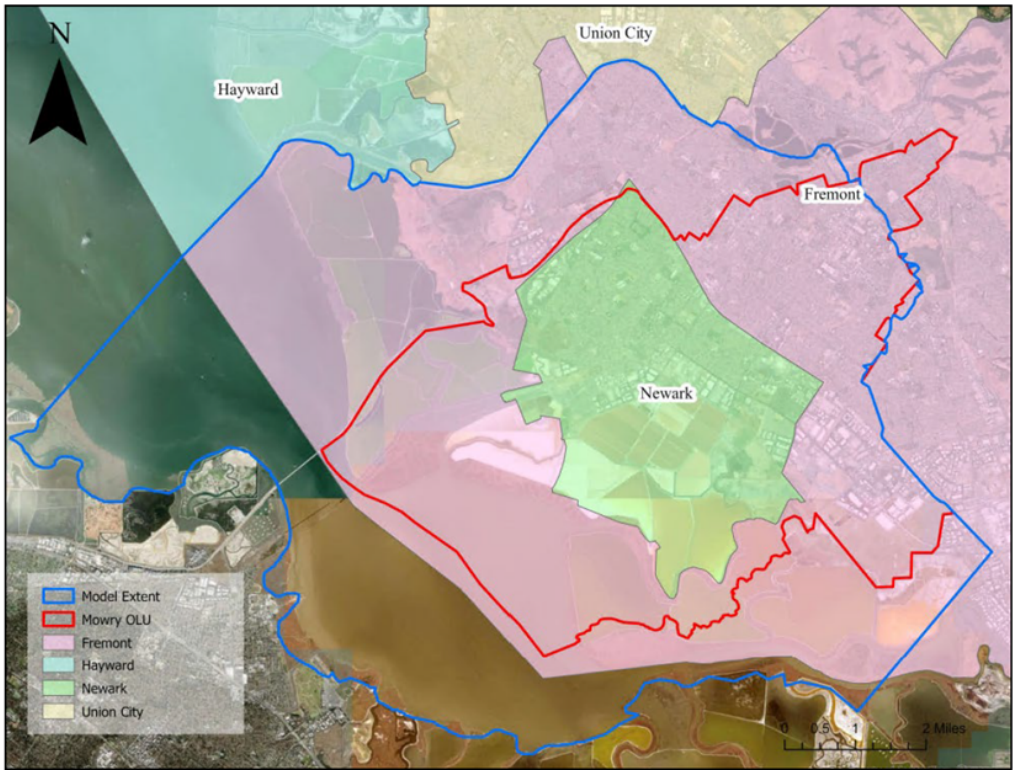
Commission (BCDC), on or before January 1, 2034. Newark is within the jurisdiction of BCDC. SB 272 requires that cities and counties receiving approval for a sea level rise plan be prioritized for funding to implement sea level rise adaptation strategies and recommended projects outlined in the local government's approved sea level rise plan. In December 2024, BCDC adopted the Regional Shoreline Adaptation Plan, which specifies what must be included in the sea level rise plan.

The Flood Modeling and the Vulnerability and Risk Assessment are the first steps in the City's effort to address the impacts of sea level rise. These have been completed and are attached to the staff report. The assessments are in line with BCDC's requirement that local jurisdictions evaluate 0.8, 3.1, 4.9, and 6.6 feet of sea level rise, along with various coastal storm scenarios. These efforts provide a solid foundation for future planning efforts.

DISCUSSION/ANALYSIS

In 2019, the San Francisco Estuary Partnership and SPUR released the *San Francisco Bay Shoreline Adaptation Atlas: Working with Nature to Plan for Sea Level Rise Using Operational Landscape Units*(Atlas). The San Francisco Bay Regional Quality Control Board funded the report. The Atlas recommends using what are referred to as Operational Landscape Units (OLUs) as the framework for developing sea level rise adaptation plans. OLUs are "connected geographic areas that share common physical characteristics and that would benefit from being managed as individual units." Newark is entirely within the Mowry OLU. Part of Fremont is also within the Mowry OLU (see Figure 2 below). This is the area that was assessed for this project.

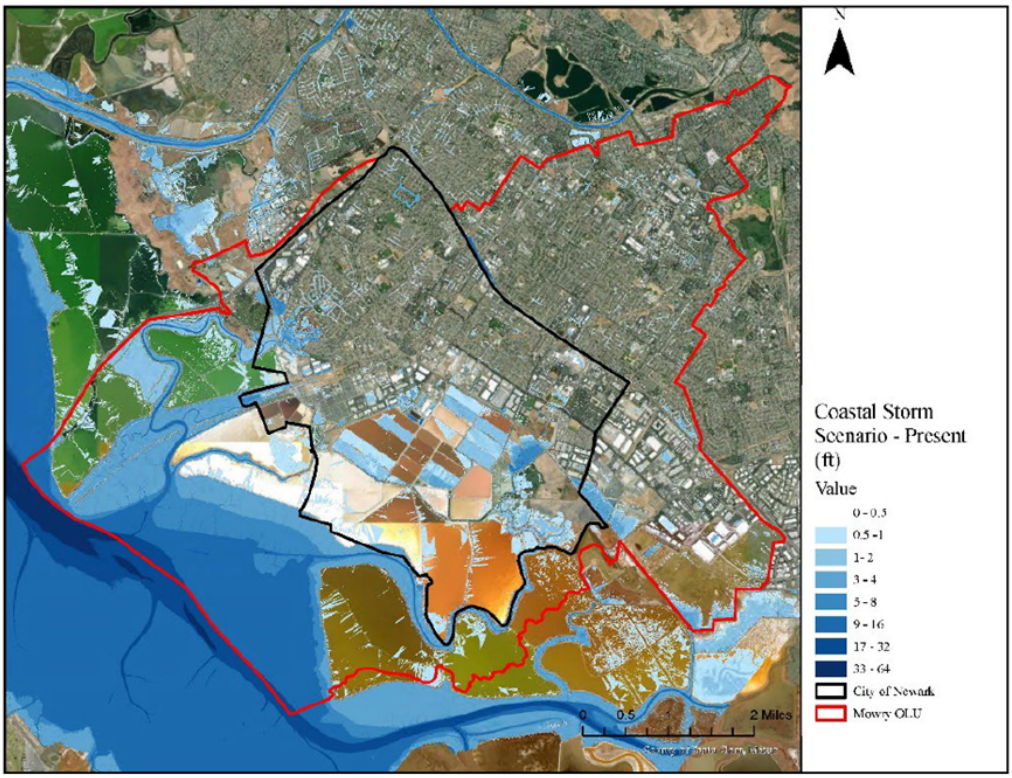
Figure 2: Mowry Operational Landscape Unit



Flood Modeling

As part of this project, Arup modeled a 100-Year Coastal Storm under the current sea level. As can be seen in Figure 3, some areas of Newark are currently prone to flooding during large storm events.

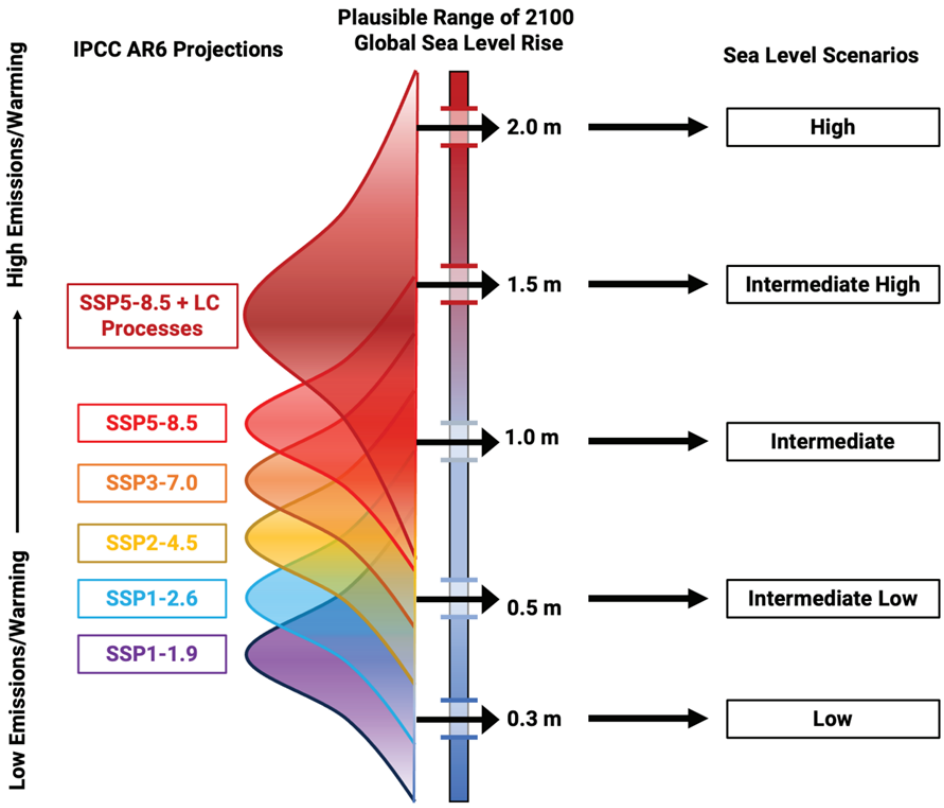
Figure 3: Modeled 100-Year Storm Under Current Conditions



Future Scenarios

There is a great deal of uncertainty regarding the speed and extent of sea level rise. Figure 4 from the Ocean Protection Council illustrates the plausible range of sea level rise by 2100 (*California Sea Level Rise Guidance: 2024 Science and Policy Update).* Arup developed a flood model of the Mowry OLU for various sea level rise scenarios (0.8 ft., 3.1 ft., 4.9 ft., and 6.6 ft.), with and without concurrent storms, as required by BCDC's Regional Shoreline Adaptation Plan (RSAP).

Figure 4: Plausible Range of Sea Level Rise (*Ocean Protection Council, 2024*)



Vulnerability and Risk Assessment

The results of the Flood Modeling were used to assess potential impacts on the community. Table 2 lists the estimated present-day cost of the impact on infrastructure from quasi-permanent inundation. Quasi-permanent inundation is defined as areas that would be flooded under daily high tides. The results of this risk analysis describe the cost of no action and help lay the groundwork for future adaptation planning.

Table 2: Estimated Losses from Quasi-Permanent Inundation (in millions)

Asset Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Buildings	$45	$200	$1,500	$3,100
Roads	$0	$70	$360	$490
Rail	$4.5	$7.5	$14	$17
Sewer	$1.7	$5.7	$22	$32
Power	$20	$115	$160	$180
Total Loss	**$71**	**$398**	**$2,056**	**$3,819**

Next Steps

The completion of the Flood Modeling and the Vulnerability and Risk Assessment Reports for the Mowry OLU are critical initial steps for developing a subregional shoreline adaptation plan that is required to be submitted to BCDC by 2034. The RSAP requires local jurisdictions to develop adaptation strategy alternatives for the 0.8 ft (2050) and 3.1 ft (2100) sea level rise scenarios. BCDC recommends using the "Adaptation Pathways" approach to develop this adaptation strategy. The Adaptation

Pathway approach is to "implement actions in the near term in discrete, manageable steps that provide flexibility for changes in the future." In other words, to implement "no regrets" actions that provide near-term benefits and that do not preclude additional or alternative implementation measures in the future. Arup will develop a proposed framework for implementing adaptation pathways. Further development and implementation of the adaptation pathways would be done in coordination with other stakeholders, such as the City of Fremont, the Alameda County Flood Control District, the Union Sanitary District, the Alameda County Water District, Newark residents, Cargill and other Newark businesses.

FISCAL IMPACT

While there is no immediate budgetary impact associated with this item, the long-term cost of adapting to sea level rise in Newark is expected to be substantial. Future investments would likely be needed for property protection, infrastructure improvements, and groundwater mitigation. Funding these efforts would require a combination of financing mechanisms, such as bonds or special assessments, along with state and federal support. A detailed, asset-specific cost analysis will be developed in subsequent project phases and presented to the City Council for consideration and budget approval.

REVIEW AND APPROVAL

Prepared by - James Scanlin, Environmental Services Division Manager
Reviewed by - Howard Young, Public Works Director
Reviewed by - Krysten Lee, Finance Director
Reviewed by - Kristopher J. Kokotaylo, City Attorney
Approved by - David J. Benoun, City Manager

Attachments

Flood Modeling Report

Vulnerability and Risk Assessment Report

SLR Presentation

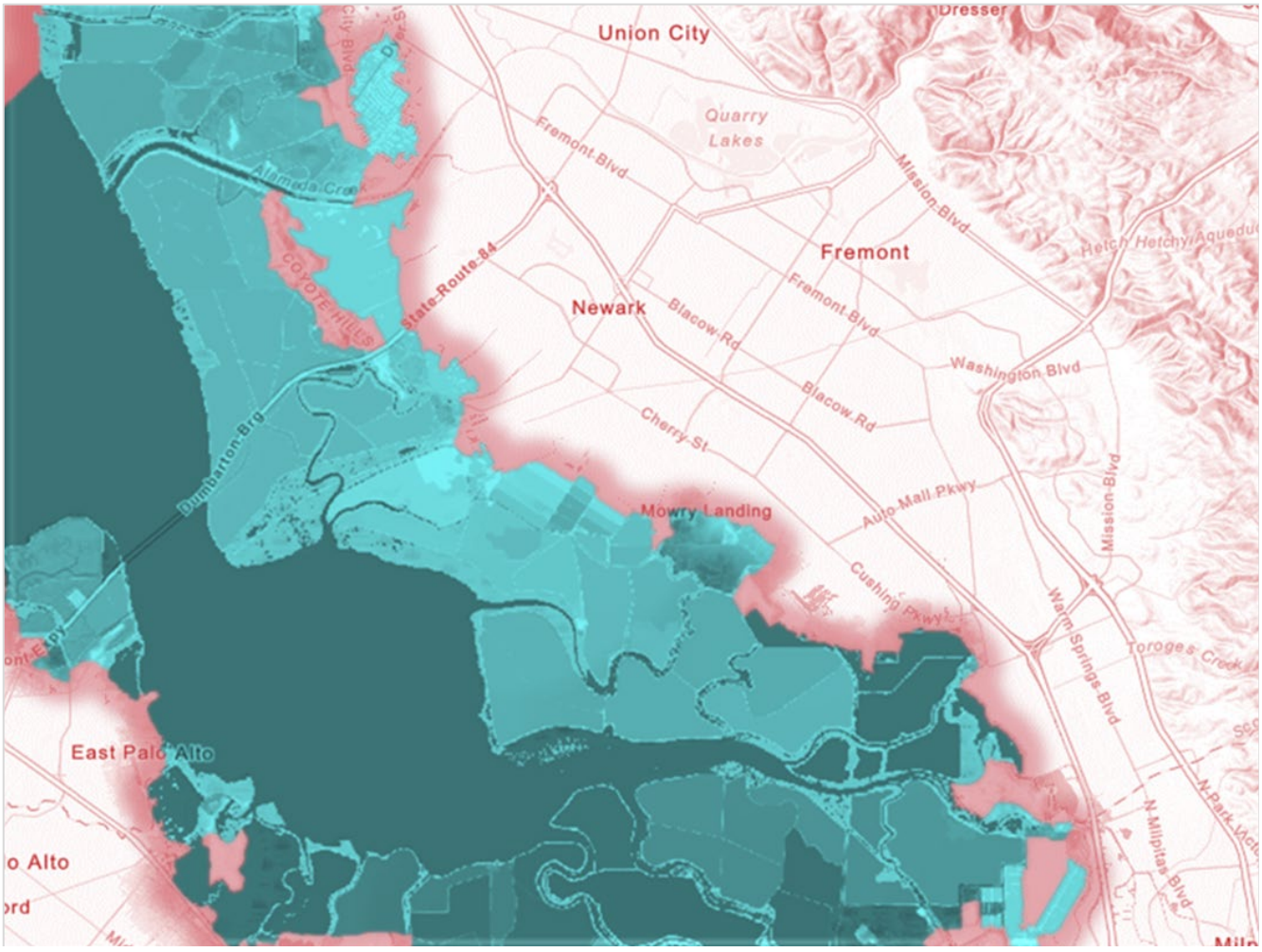
ARUP

City of Newark

Sea Level Rise Vulnerability Assessment and Adaptation Strategy

Flood Modeling Report

Final Draft | January 22, 2025



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This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 304252-00

Arup US, Inc.
560 Mission Street, Suite 700
San Francisco, CA 94105
USA
arup.com

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FEMA Map with Base Flood Elevations

Appendix B
SFEI Groundwater Maps

Appendix C
Model Results

Key Terms & Acronyms

Acronyms	Full Form
ACFCD	Alameda County Flood Control District
BCDC	San Francisco Bay Conservation and Development Commission
BFE	Base Flood Elevation
CMIP6	Coupled Model Intercomparison Project Phase 6
CN	Curve Number
DEM	Digital Elevation Model
DWR	California Department of Water Resources
EVA	Extreme Value Analysis
FEMA	Federal Emergency Management Agency
GCM	Global Climate Model
HSG	Hydrologic Soil Group
IPCC AR6	Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report
Ks	Hydraulic Conductivity
LiDAR	Light Detection and Ranging
LHMP	Local Hazard Mitigation Plan
MHHW	Mean Higher High Water
NAVD88	North American Vertical Datum of 1988
NLCD	National Land Cover Database
NOAA	National Oceanic and Atmospheric Administration
OLU	Operational Landscape Unit
OPC	Ocean Protection Council
RCP	Representative Concentration Pathways
RP	Return Period
RSAP	Regional Shoreline Adaptation Plan
SFEI	San Francisco Estuary Institute
SFINCS	Super-Fast Inundation of CoastS
SLR	Sea Level Rise
SSPs	Shared Socio-economic Pathways
STATSGO2	United States General Soil Map
USDA	United States Department of Agriculture
USGS	United States Geological Survey

Executive Summary

The City of Newark initiated a comprehensive *Sea Level Rise Vulnerability Assessment and Adaptation Strategy* to address the challenges posed by rising sea levels and associated flooding risks. This project aims to develop a robust understanding of the City's flood risks and to formulate effective adaptation strategies. The study area encompasses the Mowry Operational Landscape Unit (OLU) which includes the entire City of Newark and portions of Fremont. This report documents the approach and initial findings from the flood modeling analysis.

Approach

The flood modeling approach used the Super-Fast Inundation of CoastS (SFINCS) model to simulate compound flooding scenarios, incorporating factors such as rising sea levels, groundwater levels, subsidence, storm flows, and coastal storm surges. The model was validated against historical tide gauge data and Federal Emergency Management Agency (FEMA) flood maps. Scenarios were modeled for present-day, mid-century (2050), and end-of-century (2100) conditions, considering storm intensities and sea level rise (SLR) projections aligned with guidance from the State Ocean Protection Council (OPC) and the San Francisco Bay Conservation and Development Commission (BCDC). This project and the modeling outputs do not replace FEMA maps for official purposes, such as insurance and zoning. Rather, the flood hazard results from this project are meant to be used for planning purposes, as they incorporate projected SLR and assess multiple flood scenarios.

Key Findings

The results highlight the present-day threat of extreme rainfall events (e.g., atmospheric river events) on residential and commercial areas in Newark, and future coastal flooding exacerbated by SLR. Key findings indicate that the city is vulnerable to both coastal and inland flooding, with the plausible extent and depth of flooding expected to increase substantially by 2100. The non-storm scenarios show that, even under moderate SLR, it is plausible that public infrastructure and residential areas could be quasi-permanently inundated, meaning that they experience flooding during typical day-to-day conditions, without adaptation action by the end of the 21st century.

The implications of these findings underscore the need for adaptive strategies to mitigate flood risks. The next steps of this study will use the flood hazard results presented in this report to assess the impact on communities and infrastructure, develop adaptation solutions, and engage with the community to share information and gather input for steering the implementation of future measures.

1. Introduction

The City of Newark initiated this integrative study to simultaneously understand critical challenges resulting from SLR and develop adaptation strategies for addressing these risks. Prior to this effort, the City conducted a Local Hazard Mitigation Plan (LHMP) effort with Union City and the City of Fremont which highlighted the need for this project. This project represents the first critical step in the adaptation planning process for the City by establishing a baseline understanding of pertinent flooding risks using industry best practices and methods. This understanding is essential for the second step, which involves developing risk-informed adaptation strategies and identifying potential partners for implementation.

This report summarizes the flood hazard model data collection, methodology, model development, results, and conclusions. The model outputs include present and future flood extent and depth scenarios considering rising sea levels, rising groundwater, subsidence, storm flows, and storm surge.

1.1 Study Area

The study area covers the Mowry OLU, which includes the entire City of Newark as well as portions of Fremont (Figure 1). The model extents include some additional surrounding areas as necessary for completeness in modeling. The total surface area on land within the model extents is 64 square miles and consists primarily of medium-to-high density development. The study area also includes approximately 15 miles of shoreline along the San Francisco Bay.

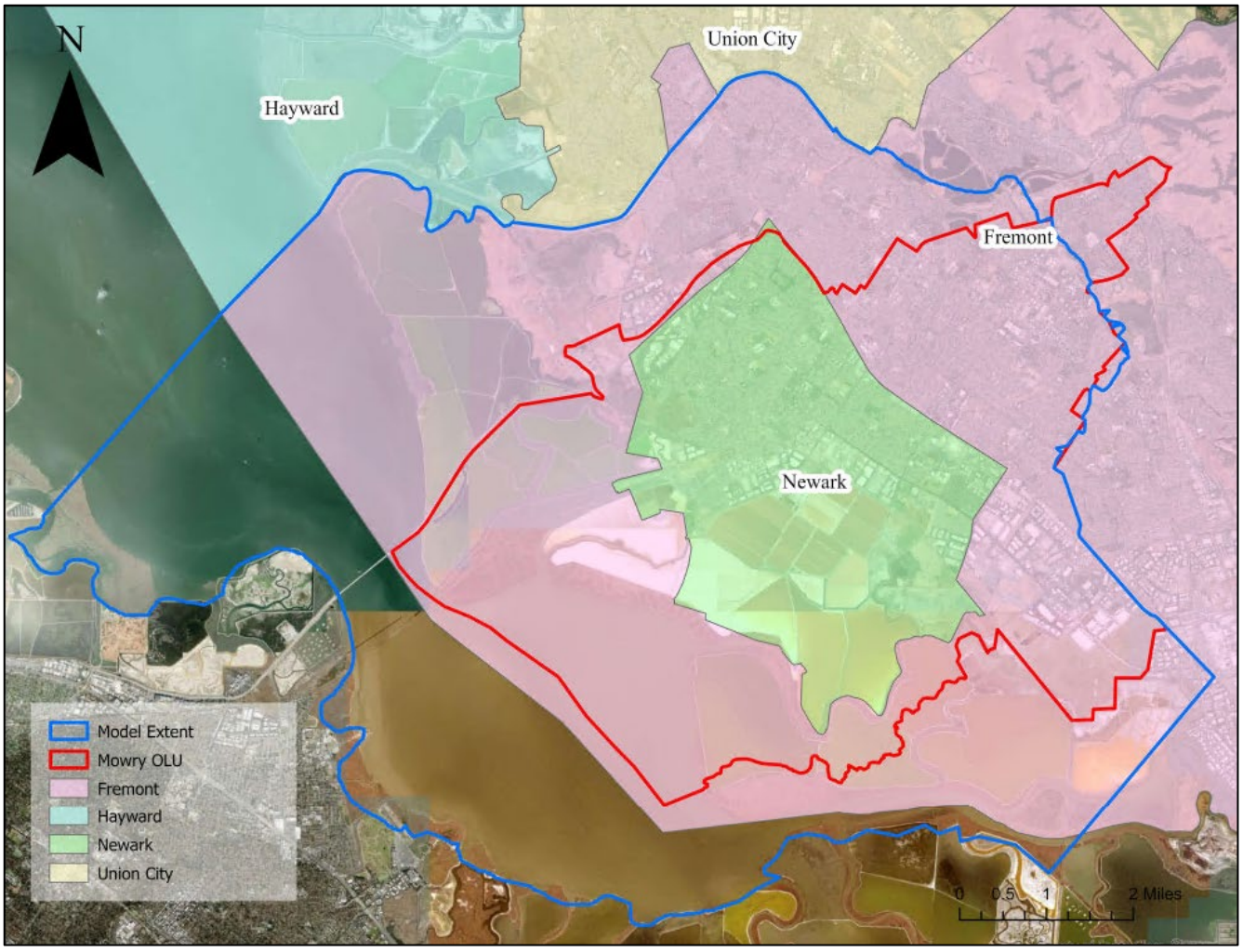


Figure 1 Study area, model extents, and jurisdictions

1.2 Historical Flooding

According to the 2024 Tri-City LHMP, there have been 19 State and 19 Federal disaster declarations from flooding, heavy rain, and storms in Alameda County, listed by year in Table 1. Historical events like these, particularly the 1982–1983 El Niño event, have underscored the need for stronger flood management systems, including levee improvements and enhanced stormwater infrastructure.

Table 1 Alameda County Flood Disaster Declarations from 1950 to 2023 (City of Newark, 2024)

Disaster Type	State Declarations		Federal Declarations	
	Count	Years	Count	Years
Flood (including heavy rains and storms)	19	1950, 1955, 1957, 1958 (twice), 1962, 1963, 1970, 1982, 1983 (twice), 1986, 1995 (twice), 1997, 1998, 2008, 2017 (twice)	19	1955, 1958, 1962 (twice), 1970, 1982, 1983, 1986, 1995 (twice), 1997, 1998, 2005, 2006, 2017 (thrice), 2023 (twice)

The 1982–1983 El Niño event remains a benchmark event for understanding the impacts of combined stormwater and coastal flooding in the Bay Area. In Newark and the surrounding areas, infrastructure such as roads and wastewater treatment facilities were heavily impacted (National Weather Service, 1982). Flooding along bayfront areas disrupted local transportation and businesses.

Prior to the 1950s, the city experienced recurring flooding during heavy rains, which prompted development of a flood control district to improve the City's drainage system. Most recently, in 2023, two major storm events in January and March resulted in storm drain backup which caused flooding of local streets, which was exacerbated by debris build up at storm drains and fallen trees affecting drainage.

No disaster declarations to-date have attributed impacts to SLR.

1.3 FEMA Flood Maps

The FEMA flood hazard maps (effective August 3, 2009) depict the 100-year and 500-year flood zones in the study area, shown in Figure 2 (refer to Appendix A for a map with the FEMA Base Flood Elevations, BFE). There are several developed areas near the City's shoreline that are within the FEMA 100-year floodplain (in blue) and several other areas further inland that are within the FEMA 500-year floodplain (in orange). The hazard is primarily driven by coastal flooding, as there are no major creeks or rivers within the city.

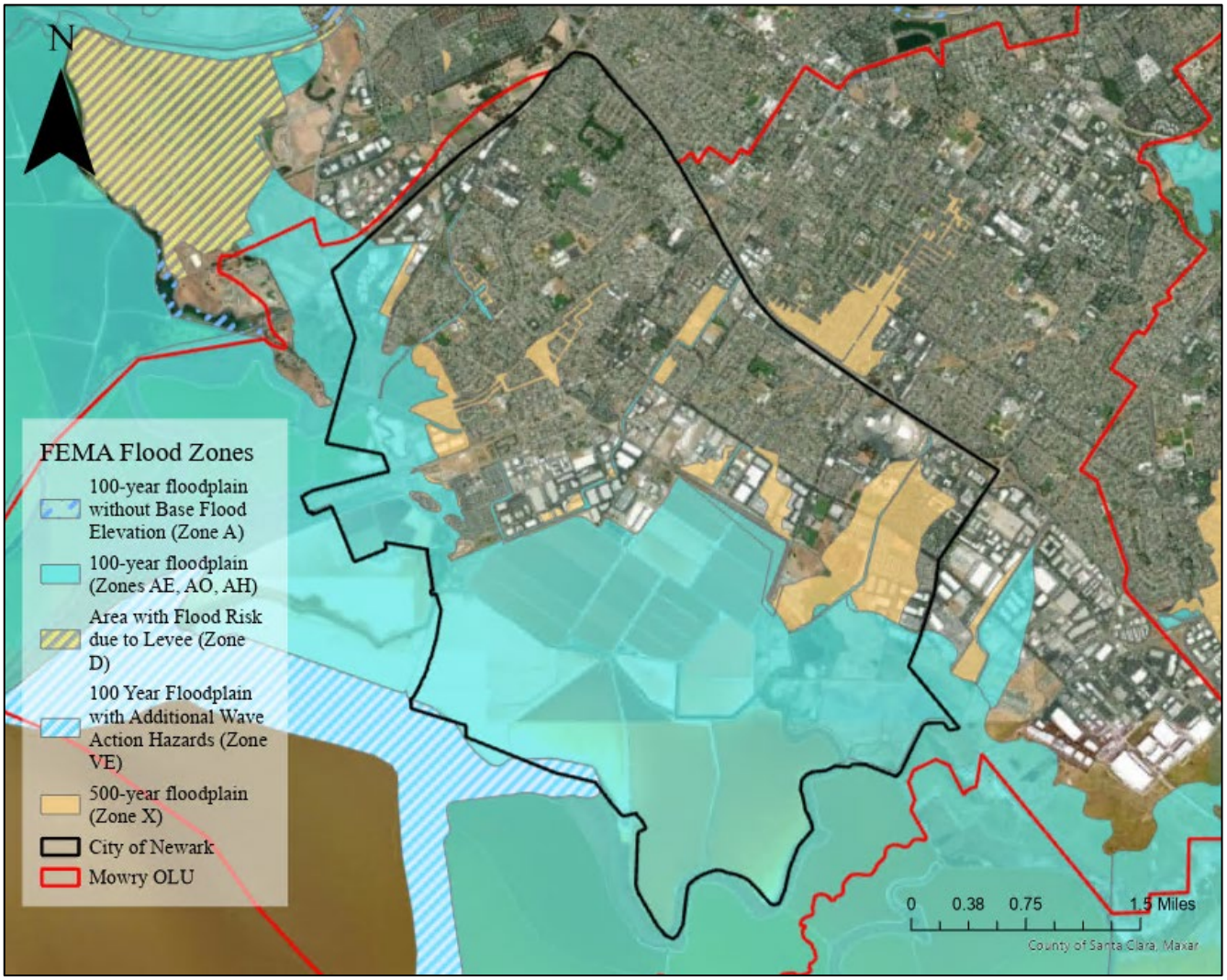


Figure 2 FEMA flood map by study area (FEMA, 2024)

This project and the modeling outputs do not replace FEMA maps for official purposes, such as insurance and zoning. The flood hazard results from this project are used for planning purposes, as they incorporate projected SLR and assess multiple flood scenarios. Unlike FEMA maps, which typically focus on the BFE under the 100-year event (i.e., 1% annual chance event), this study's approach provides an understanding of flood risks under various storm scenarios and future sea level change.

2. Model Development

A comprehensive flood hazard model was developed to evaluate present-day and future flooding, in both storm and non-storm conditions, under several SLR scenarios aligned with BCDC Regional Shoreline Adaptation Plan (RSAP) guidelines.

The model integrates hydrologic and hydraulic components to comprehensively simulate inland and coastal processes. The hydrologic component simulates the rainfall-runoff process, evaluating how much rainfall infiltrates into the ground versus generates runoff. The hydraulic component simulates the flow of water through rivers, channels, and streams to evaluate conveyance and flooding in floodplains. The hydraulics of the coastal system include simulating how storm surge and tides interact with the river, coastal topography, and infrastructure. An integrated flood modeling approach was used to capture the hydrologic and hydraulic model components and estimate the extent and depth of flooding, as visualized in Figure 3.

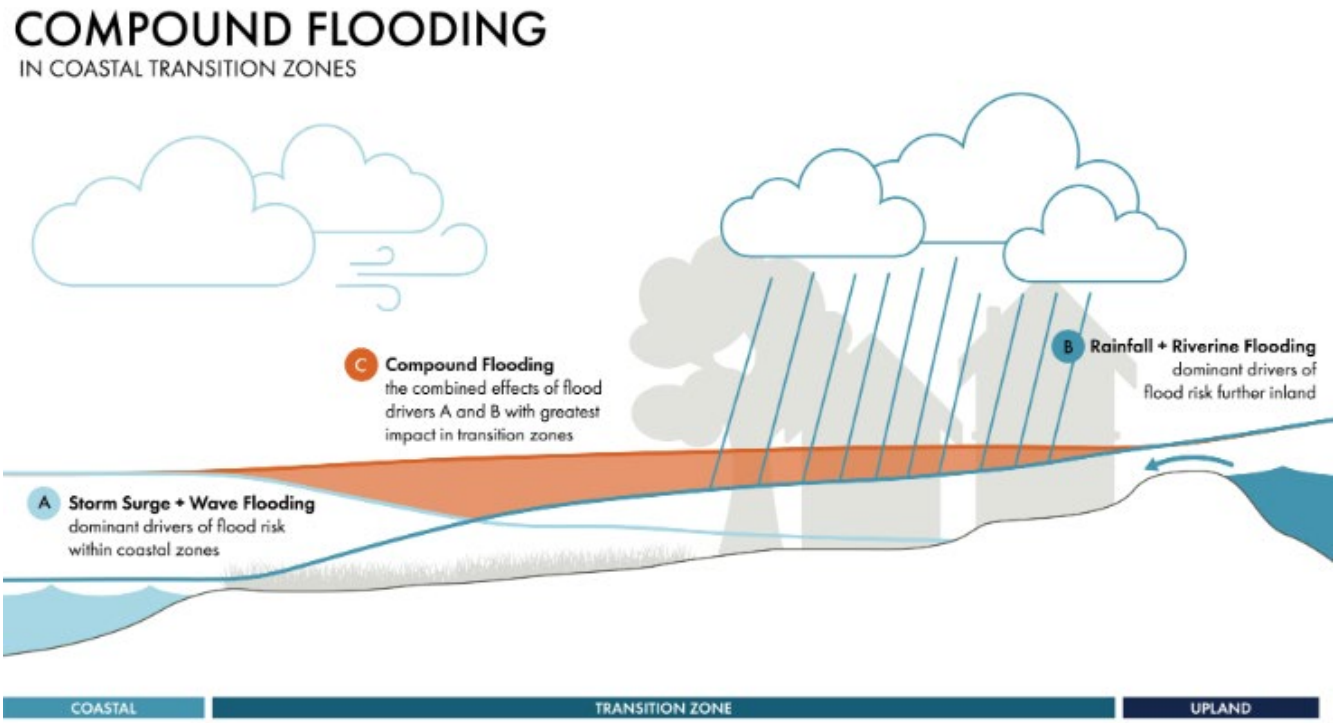


Figure 3 Schematic drawing of compound flood modeling (the Water Institute, 2024)

This section describes:

- **Software and tools** used to conduct the flood hazard modeling
- **Sea level rise and storm scenarios** modeled
- **Key model inputs** collected from best available public datasets and incorporated into the modeling
- **Sensitivity analysis** conducted to test assumptions and develop an appropriately conservative model
- **Assumptions and limitations** made to develop these models

2.1 Software and Tools

SFINCS, an open-source software developed by Deltares, was used to perform the flood hazard modeling. Open-source means that the original source code it is freely available and may be redistributed and modified, and therefore there are no software licensing fees or costs for users to use the model. The SFINCS model feeds into the FloodAdapt platform, a user-friendly, publicly available, and open-source software that allows users to view flood hazard maps and risk to exposed assets and to evaluate adaptation strategies (Figure 4). A populated FloodAdapt model was provided to the City with the flood scenarios modeled for this phase of the project, and updated versions of the FloodAdapt model will be configured with vulnerability and risk results (which will conducted in Delft-FIAT) as part of future project deliverables.

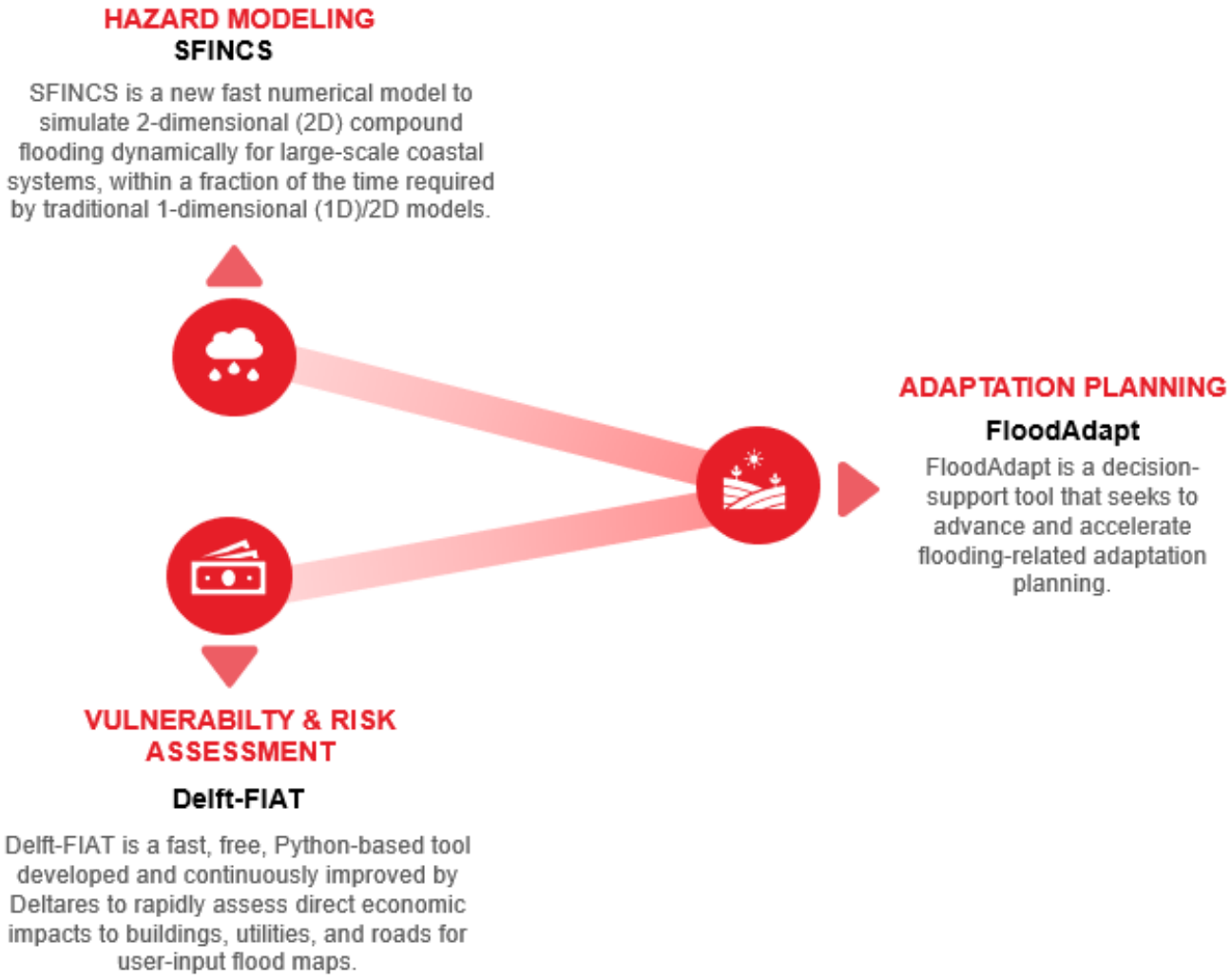


Figure 4 Interaction between models and tools

The SFINCS model allows for considering rising sea levels, rising groundwater, subsidence, storm flows, and storm surge in one, compound flood model. The modeling output includes inundation extents and depths for present-day, mid-century (2050), and end-of-century (2100) scenarios. SFINCS is a numerical model which simulates 2-dimensional (2D) compound flooding dynamically for large-scale coastal systems. SFINCS is a physics-based tool which has been peer-reviewed and used by numerous federal and academic agencies for hazard assessments (Leijnse et al., 2021). This report is focused on the inputs and outputs of the SFINCS model.

2.2 Sea Level Rise and Storm Scenarios

Ten flood scenarios were modeled, encompassing the study area and evaluating timeframes for present-day, mid-century, and end-of-century conditions. The models cover four sea level rise scenarios and two storm scenarios, summarized in Table 2 and described in the following sections.

Table 2 Modeled scenarios

Time Horizon	SLR Scenarios	Climate Scenarios for Precipitation	Inundation Maps
Present	Not applicable	Not applicable	Two maps: • Coastal Storm Scenario: 100-year coastal + 10-year inland • Inland Storm Scenario: 100-year inland + 10-year coastal
Mid-century 2050	One SLR Scenario	SSP5-8.5 / Representative Concentration Pathway (RCP) 8.5	Two maps: • Quasi-permanent Inundation Map (Mean Higher High Water, MHHW) for 0.8ft SLR Scenario • Future Storm Scenario with 0.8ft SLR Scenario
End-of-century 2100	Three SLR Scenarios	SSP5-8.5 / RCP8.5	Six maps: • Quasi-permanent Inundation Map (MHHW) for 3.1ft SLR Scenario (Intermediate) • Quasi-permanent Inundation Map (MHHW) for 4.9ft SLR Scenario (Intermediate-High) • Quasi-permanent Inundation Map (MHHW) for 6.6ft SLR Scenario (High) • Future Storm Scenario with 3.1ft SLR Scenario (Intermediate) • Future Storm Scenario with 4.9ft SLR Scenario (Intermediate-High) • Future Storm Scenario with 6.6ft SLR Scenario (High)

2.2.1 Sea Level Rise Scenarios

The SLR scenarios were selected to align with the San Francisco BCDC September 2024 Draft RSAP guidelines. These BCDC guidelines were developed to describe the requirement for cities, including Newark, to develop a shoreline adaptation plan compliant with the newly passed regulation described in Senate Bill 272.

The BCDC guidelines build on the updated State of California Sea Level Rise Guidance published in 2024 by the OPC. These state guidelines defined five sea level rise scenarios based on global emissions projections from the Intergovernmental Panel on Climate Change Sixth Assessment Report (IPCC AR6). The relationship between the SLR scenarios and climate change scenarios, called Shared Socio-economic Pathways (SSPs), are depicted in Figure 5. Table 2 summarizes the four SLR scenarios used in this project. The MHHW level was used to evaluate areas with quasi-permanent flooding due to their location within the tidal zone.

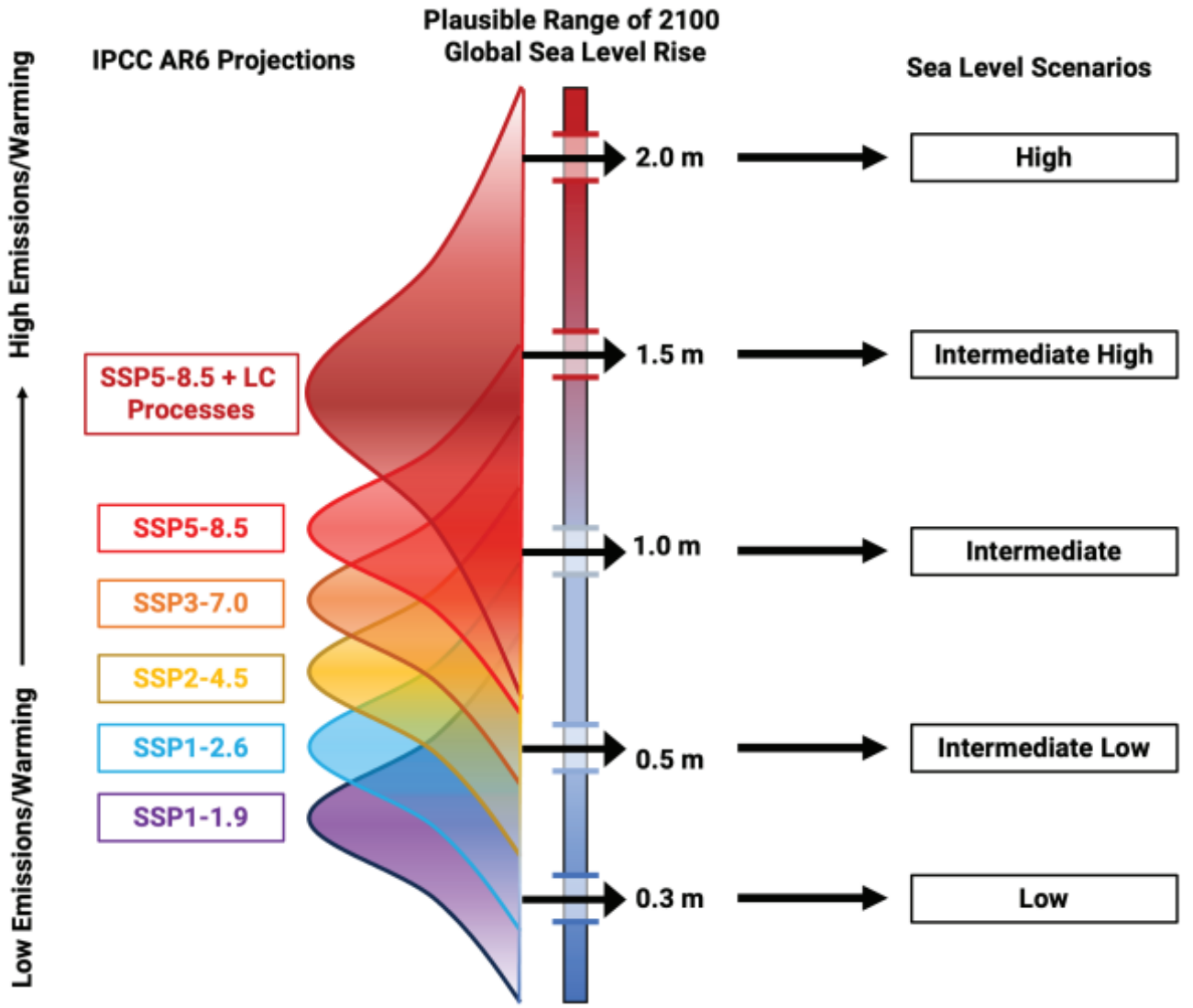


Figure 5 Depiction of the relationship between the OPC SLR scenarios and IPCC AR6 emissions scenarios from State of California Sea Level Rise Guidance (OPC, 2024)

2.2.2 Storm Scenarios

Four main types of flood scenarios were modeled for this project:

- **Present Coastal Storm Scenario:** This scenario is defined in this study as the 100-year coastal event which considers tides and storm surges occurring simultaneously with a 10-year inland event which considers rainfall.
- **Present Inland Storm Scenario:** This scenario is defined in this study as the 100-year inland event which considers rainfall occurring simultaneously with a 10-year coastal event which considers tides and storm surges.
- **Tidal Inundation:** These scenarios are defined by MHHW, which represents a typical high tide that serves as a proxy for everyday flooding. When modeling future MHHW with different SLR scenarios, the resultant maps provide useful tools for planning.
- **Future Storm Scenario:** The future Storm Scenarios evaluate the maximum of the coastal storm scenario and the inland storm scenario to represent extreme but plausible combined storm scenarios. Rainfall for the future events comes from future climate projections of precipitation.

The precipitation scenarios selected were based on data available through Cal-Adapt, which is a publicly accessible online tool that provides interactive climate data and projections for California to support climate resilience planning and decision-making (California Energy Commission, 2024). The extreme rainfall scenario used (SSP5-8.5 / RCP8.5) represents a plausible upper bound that aligns with the IPCC AR6 using SSP. This data is also used for California's Fifth Climate Change Assessment.

2.3 Data Collection and Sources

Existing data and models were collected and developed to provide a tailored analysis for the City. Data was provided by the City as well as from local agencies, such as the Alameda County Flood Control District (ACFCD). Publicly available data was also collected and reviewed. Table 3 summarizes the data requests, data sources and the availability of the data.

Table 3 Data and data sources

Topic	Data	Data Source	Status
Hydrology parameters	Rainfall	National Oceanic and Atmospheric Administration (NOAA)	Publicly available
	Topography	LiDAR available from the ACFCD	Requested through ACFCD with City approval
	Bathymetry	United States Geological Survey (USGS)	Publicly available
	Groundwater	San Francisco Estuary Institute (SFEI) Shallow Groundwater Response to Sea-Level Rise: Alameda, Marin, San Francisco, and San Mateo Counties	Publicly available
Hydraulic model development	SLR projections	San Francisco BCDC September 2024 Draft RSAP	Publicly available
	Subsidence	No historical data available from the City. Reference USGS.	USGS - publicly available
	Culverts	ACFCD	Requested through ACFCD with City approval
	Levees	ACFCD	Requested through ACFCD with City approval
Validation	Hydrodynamic model of the San Francisco Bay and Delta	Delft3D San Francisco Bay Community Model (Nederhoff et al., 2021)	Publicly available
	Stream gauges	No City of ACFCD stream gauges within the study area.	Not available
	Riverine model	There are no riverine models available in the study area.	Not available

2.4 Key Model Inputs

The SFINCS software was used for flood hazard modeling, which can incorporate rising sea levels, rising groundwater, subsidence, storm flows, and storm surge into the analysis. The model and all inputs are in the North American Vertical Datum of 1988 (NAVD88). NAVD88 is a geodetic datum which is a standard reference framework for elevation data over a large geographic extent.

2.4.1 Hydrology Parameters

The hydrologic component of the model simulates the rainfall-runoff process, evaluating how much rainfall infiltrates into the ground versus generates runoff. The hydrology model applies the Curve Number (CN)

method, a widely used empirical procedure developed by the U.S. Department of Agriculture (USDA) Soil Conservation Service, to estimate direct runoff volume and peak discharge from rainfall events. This method calculates the amount of rainfall that infiltrates versus becoming surface runoff based on watershed characteristics such as land cover, soil type, and hydrologic conditions, which are expressed as a single CN and can be used in various settings including urban areas with medium to high densities. However, it does not account for complex hydrological features such as urban drainage systems, including storm sewers and detention basins. For this project, land cover and Hydraulic Soil Group (HSG) data as depicted in Section 2.2 were converted to CNs to support the model's calculations. For more background information on the methodology, refer to Nederhoff et al. (2024).

Topography and Bathymetry

Topography data used comes from the most recent, highest resolution datasets available, using Light Detection and Ranging (LiDAR) data with 1ft resolution from 2019 provided by the ACFCD. The 1ft resolution sufficiently captures features in the topography which affect the hydrologic and hydraulic process, while relying on readily available publicly accessible data.

A Digital Elevation Model (DEM) was derived from this data in NAVD88. Bathymetry data is from the USGS. The topography and bathymetry data were combined for the model and are shown in Figure 6.

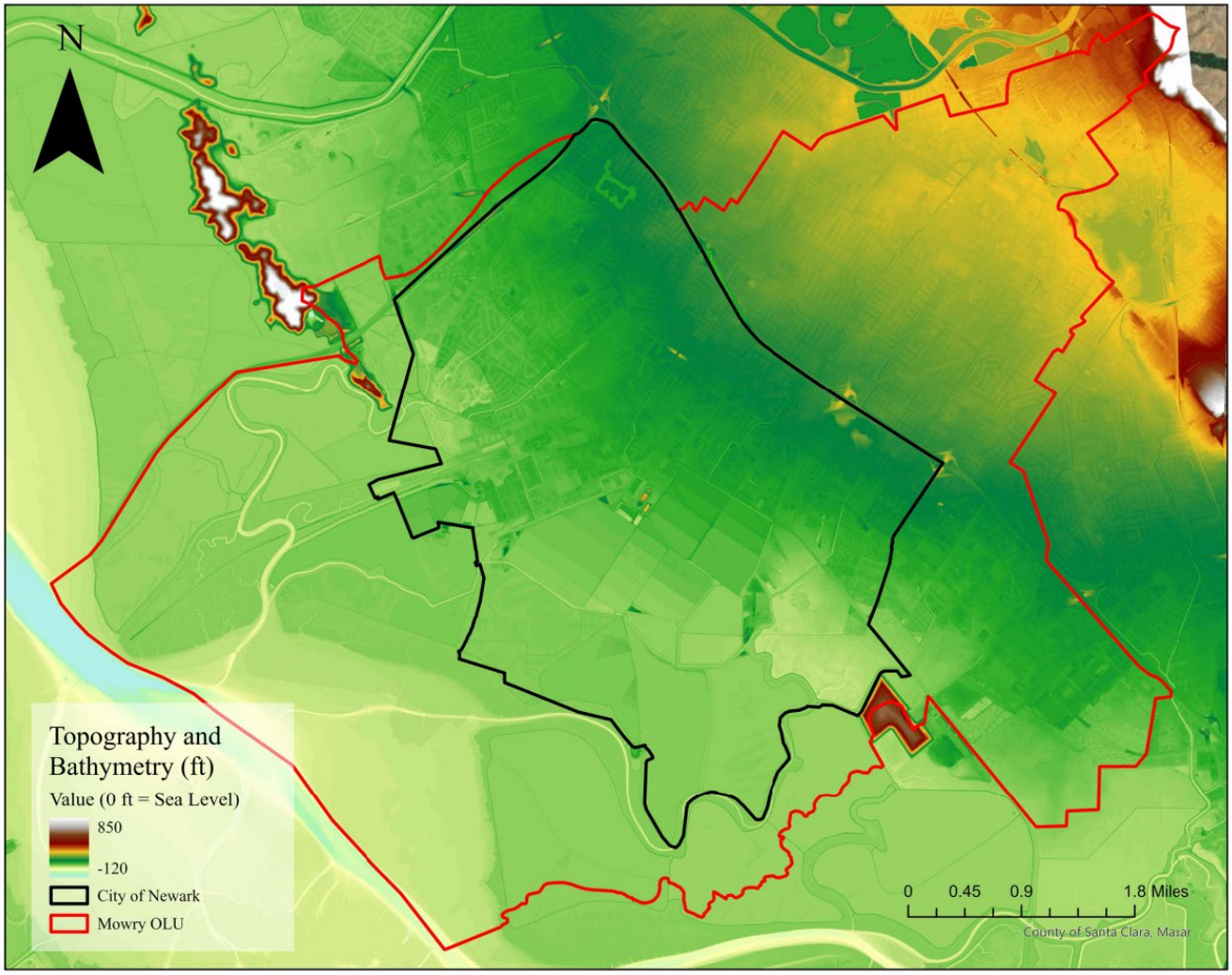


Figure 6 Topography and bathymetry in NAVD88 (ACFCD, 2018)

Rainfall

Rainfall is a critical input in flood modeling and hydrology calculations, as it directly influences runoff, river flow, and the potential for flooding by determining the amount of water entering a watershed. Rainfall was modeled as a 24-hour design storm based on data collected from the ACFCD hydrology manual. The ACFCD manual also includes a unit hydrograph for runoff determination; a hydrograph is a graphical representation of discharge over time, used in hydrology and flood modeling to analyze the response of a watershed to rainfall and predict flood events.

The rainfall data was scaled with NOAA Atlas 14 data to develop 24-hour storms with 10-year and 100-year return periods. The 10-year and 100-year return periods represent extreme rainfall events with a 10% and 1% annual chance of occurrence respectively based on historical measurements. An anomaly at hour 4 of the ACFCD hydrograph was removed for this project. The ACFCD Hydrology Manual states that the 24-hour storm should be used for drainage watersheds larger than 25mi^2 and the study area includes 64mi^2 of inland area. The DEM is uploaded into the SFINCS model; therefore, the model simulates rainfall falling over the entire watershed and routes runoff within the entire study area. This also eliminates the requirement to delineate sub-watersheds. Rainfall was applied without spatial variation across the study area.

The future rainfall scenarios used for modeling utilize precipitation change information from Global Climate Models (GCMs) based on the SSP5-8.5 scenario for mid-century (2050) and end-of-century (2100); this future pathway is consistent with RCP8.5 from the IPCC Fifth Assessment Report. The methodology incorporates climate change impacts on future precipitation to develop adjusted hazard curves for 2050 and 2100. Translating data from global-scale GCMs to the Bay Area context involves downscaling which has already been completed by the LOCA-2 (Localized Constructed Analogs version 2) effort. LOCA-2 is a high-resolution climate dataset providing downscaled projections of temperature, precipitation, and other variables for assessing regional climate change impacts in California with its output data hosted by the Cal-Adapt platform (California Energy Commission, 2025). The downscaled models developed for California and used on this project have a resolution of 3km (2mi), which provide detailed coverage across the State and show local differences.

The LOCA-2-Hybrid dataset (3km, or 1.86mi, resolution) for the California domain (Pierce et al., 2023) was used to conduct an extreme value analysis (EVA), using data available from the Cal-Adapt Analytics Engine. The EVA was used to compare the future mid-century and end-of-century precipitation values to the modeled historical data for 15 different climate models. The 15 climate models used for precipitation in LOCA-2 are selected based on their performance in simulating observed precipitation patterns and variability, ensuring they represent a range of plausible future climate scenarios. These models are drawn from the Coupled Model Intercomparison Project Phase 6 (CMIP6) ensemble and are chosen to balance model skill, independence, and diversity in projecting precipitation changes under future warming.

The percent change from historical to mid-century and end-of-century periods was calculated for each model, averaged, and then used to upscale present hydrographs representing the 10-year and 100-year return periods. This “change factor” approach corrects the bias between the modeled and observed data by calculating the change between the modeled hindcast and forecast and then applying that change to the observed data. Figure 7 depicts the rainfall 10-year and 100-year rainfall events under current conditions and with the 2050 and 2100 projections.

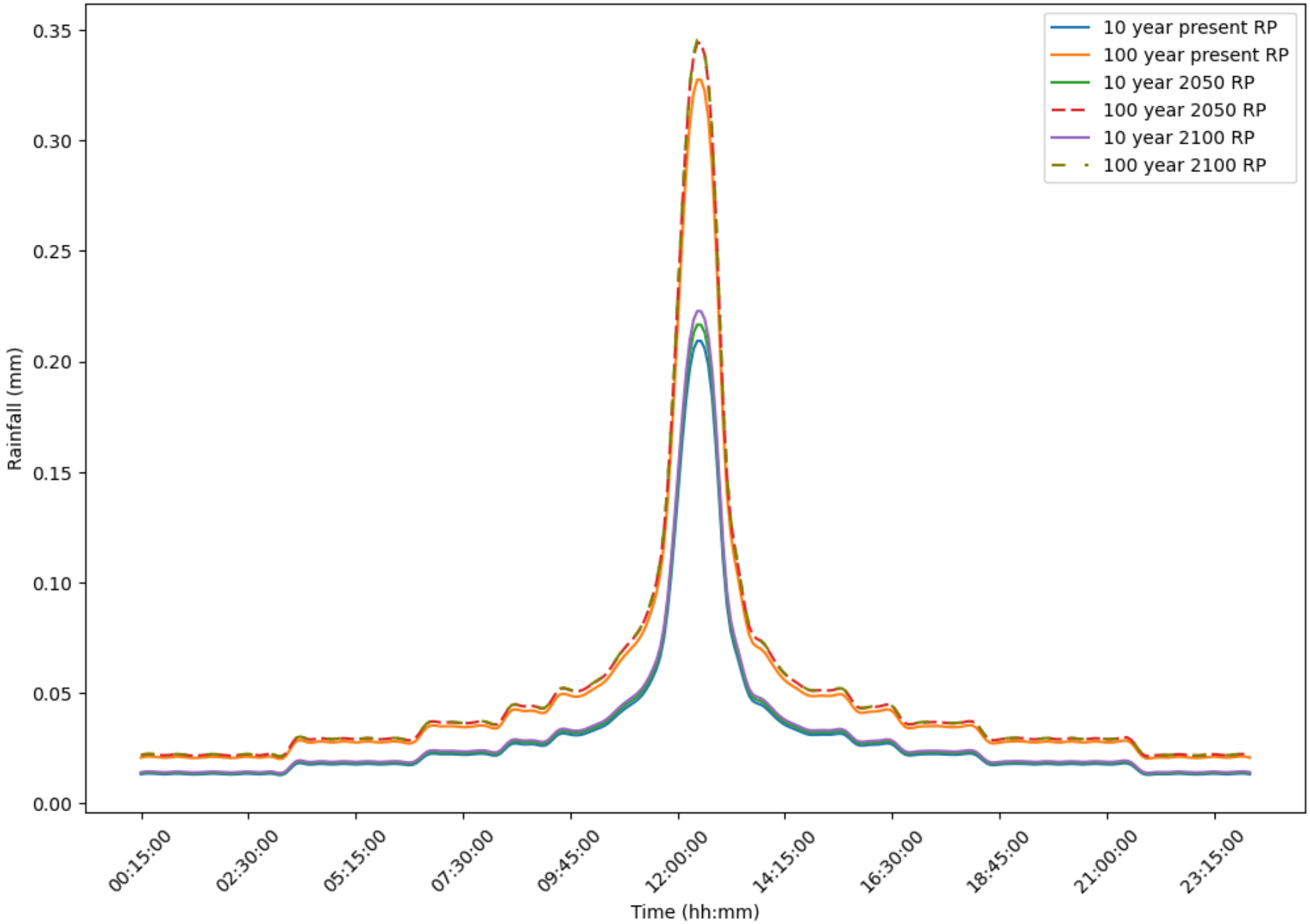
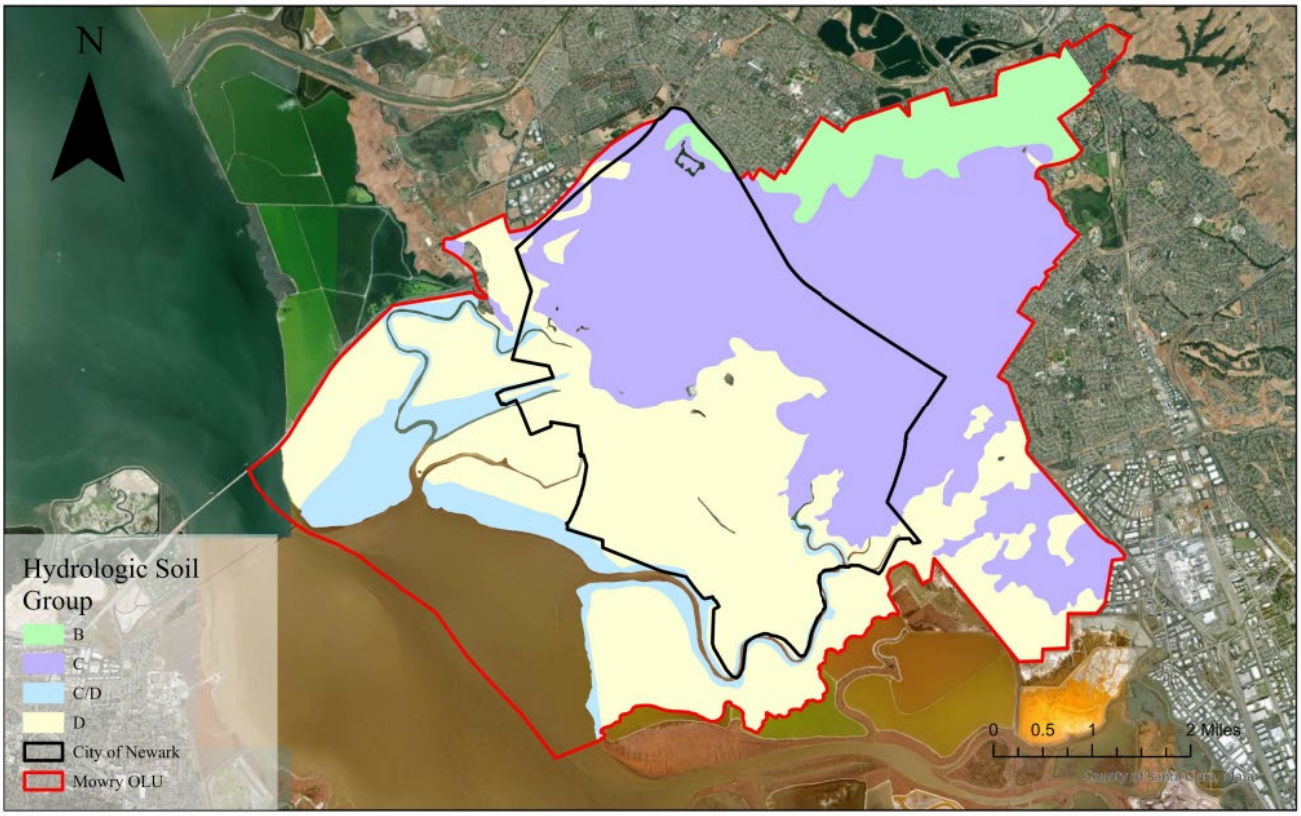


Figure 7 Incremental rainfall data at present and upscaled 10-year and 100-year return periods (RP)

Land Use and Soils

Land use and soils data are essential components in flood modeling and hydrology calculations, as they influence water infiltration, surface runoff, and the overall hydrological response of a watershed to precipitation events.

Data from the United States General Soil Map (STATSGO2) (USDA, 2020) provided the input for the CN infiltration method used in the overland flooding models. STATSGO2 is an inventory developed by the USDA and includes soil characteristics information across the Continental U.S. The HSG information and hydraulic conductivity (Ks) from the surface layer were used for this study, shown in Figure 8. In particular, HSG information was combined with a land- cover map from the National Land Cover Database (NLCD) from the USGS classification and is shown in Figure 9, to estimate the CNs according to USDA (USDA, 1986).



Group B
Soils with moderately low runoff potential and unimpeded water transmission. Typically 10-20% clay, 50-90% sand, with loamy sand or sandy loam textures.

Group C
Soils with moderately high runoff potential and somewhat restricted water transmission. Typically 20-40% clay, less than 50% sand, with loam, silt loam, sandy clay loam, clay loam, and silty clay loam textures.

Group C/D
Soils with slow infiltration rates, combining characteristics of Group C and D soils, impeding water movement.

Group D
Soils with high runoff potential and restricted or very restricted water movement. Typically more than 40% clay, less than 50% sand, with clayey textures.

Figure 8 Hydrological soil groups (USGS, 2019b)

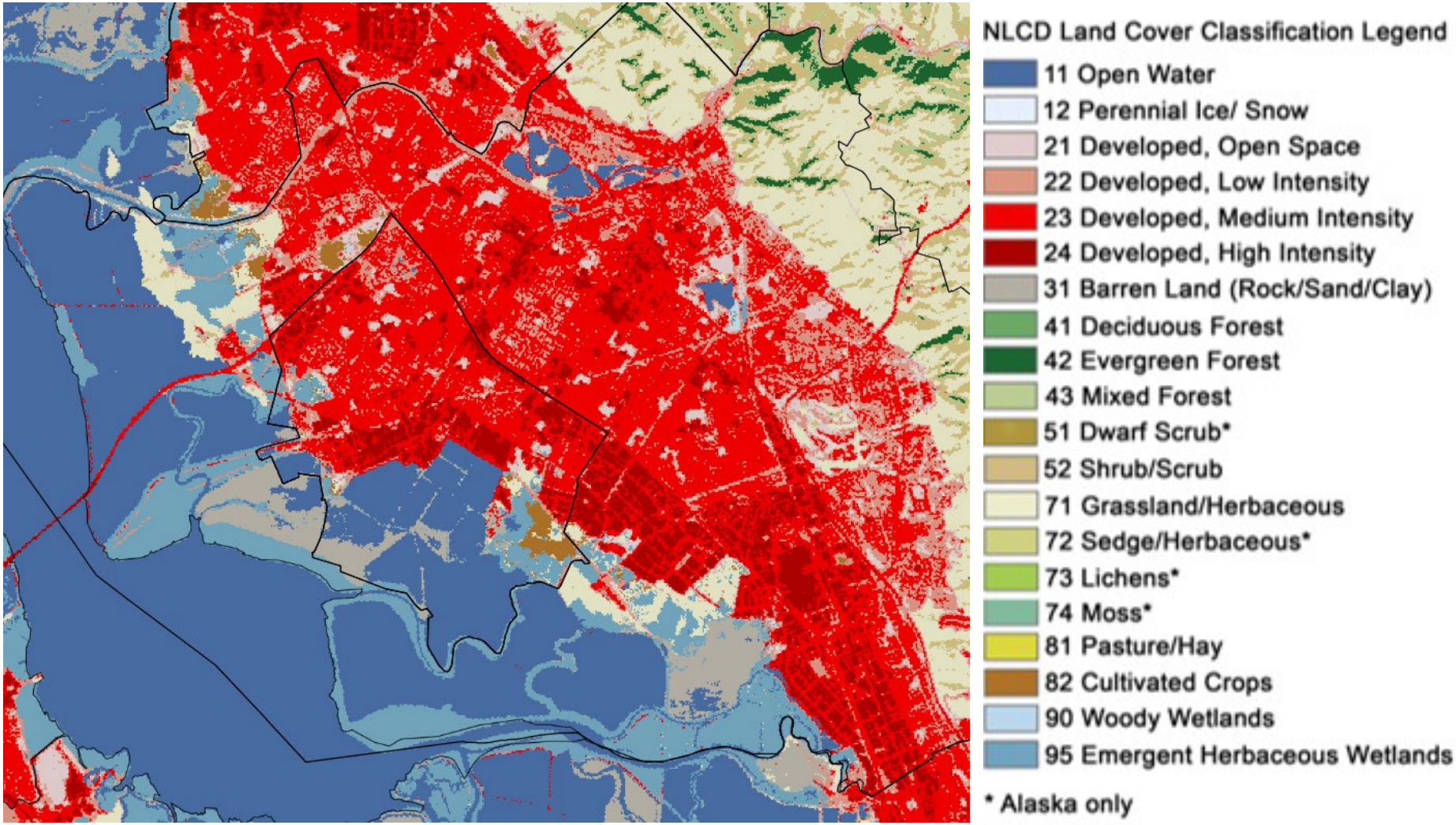


Figure 9 Land cover classifications (USGS, 2019a)

Groundwater

Pathways Climate Institute and SFEI developed depth-to-groundwater maps depicting shallow groundwater conditions including for the Newark area. Figure 10 depicts the shallow groundwater conditions in Newark with one foot (12in) of SLR and wet winter conditions, which is representative of groundwater conditions in the 2050 modeling scenario (SFEI, 2022). The SFEI also has groundwater data available for the 3ft, 5ft, and 7ft SLR scenarios, which were applied for the 2100 modeling scenarios. Refer to Appendix B for the detailed SFEI groundwater maps. To account for the rising groundwater levels, the infiltration rate in the models were adjusted relative to the SFEI groundwater data.

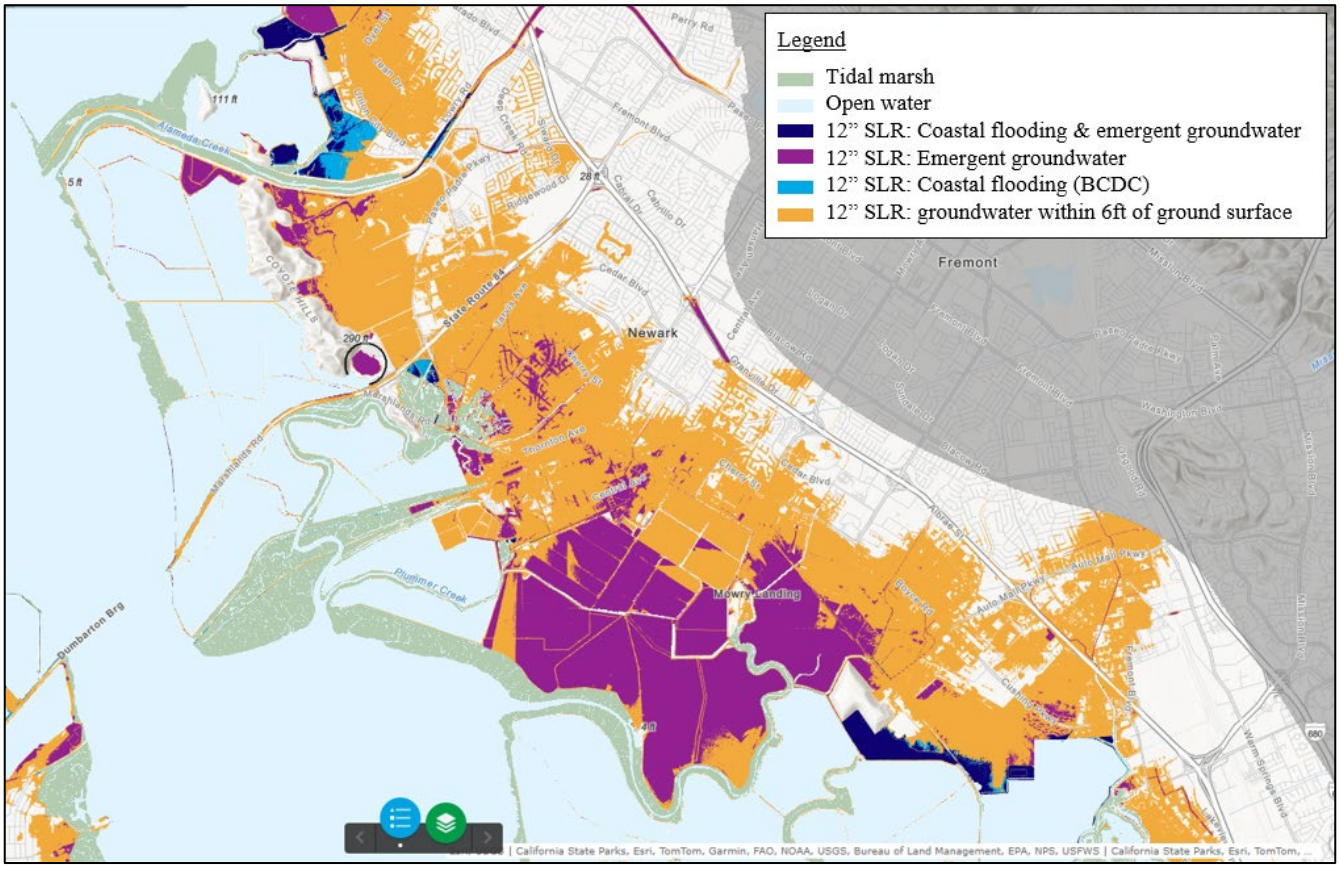


Figure 10 Groundwater levels with a 1ft SLR scenario (likely to happen by 2050) and wet winter conditions (SFEI, 2022)

In the near term (within the next 25 years), SLR (as shown in Figure 10) translates to the potential for groundwater level rise across the City of Newark. Across the city, the majority of areas in the next 25 years at risk to future groundwater flooding are limited to uninhabited areas along the coastline. However, there are smaller areas within the city where groundwater flooding may occur (for example in the area along Central Avenue north of the brine ponds). The basis for these 'at-risk' areas within the city is because they are in lower-lying areas at an elevation lower than the projected increased sea level (as illustrated in Figure 11). SFEI also indicates areas where groundwater level rise is limited to within 6ft of ground surface (due to a 'near-term' 1ft SLR). Over a longer period (for example the next 100 years), the risk to these areas should be expected to increase.

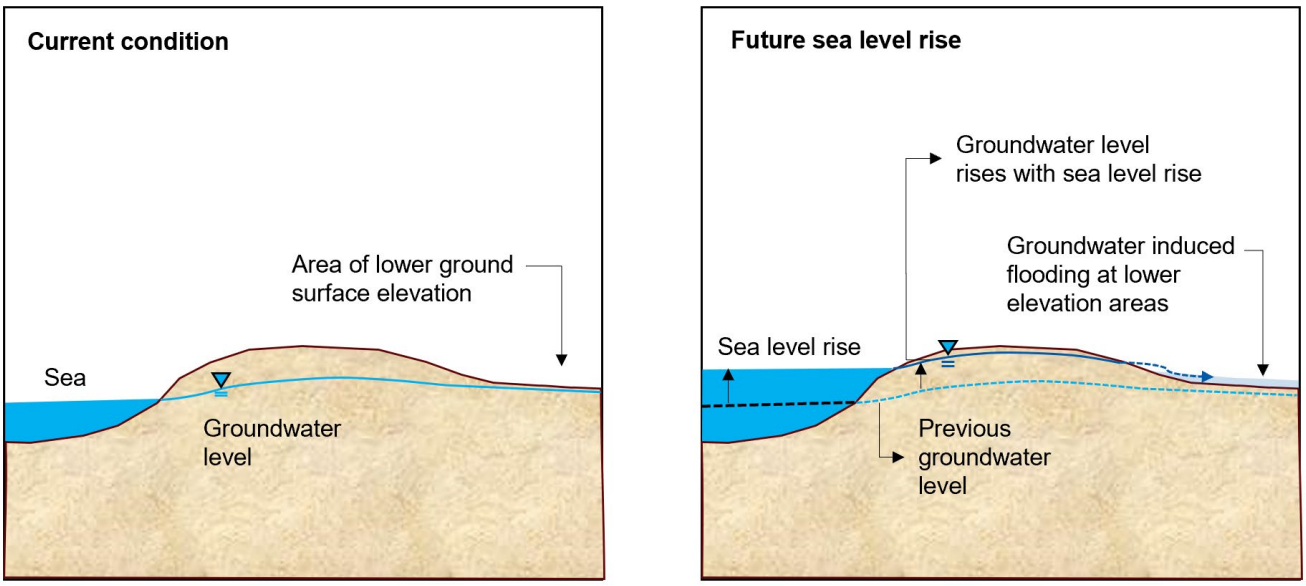


Figure 11 Illustration of groundwater induced flooding at lower elevation areas due to SLR

The 2024 Tri-City Local Hazard Mitigation Plan states that there are 16 groundwater wells, of which six are within the City of Newark, which are pumped for use as a water source for distribution mains serving residents and businesses. The 16 wells can produce up to 47.5 million gallons of water per day. The groundwater basin consists of gravel, sand, silt, and clay, and the top of the aquifer is relatively shallow, between 40ft and 140ft below ground surface in most inland locations. The depth to groundwater is much shallower nearer to the Bay.

The 2023 and 2024 Alameda County Water District Groundwater Conditions Reports state that the aquifer was not overdrawn and there is no indication that saltwater entered the basin between Fall 2021 and Fall 2023. The reports also state that the groundwater level in the Newark Aquifer has remained above sea level (if the water levels were below sea level, then saline water would flow from the bay into Newark Aquifer).

Runoff

Rainfall-runoff processes are explicitly accounted for by including precipitation and infiltration in the flood model, including the effect of rising groundwater. Runoff is the result of the difference between total precipitation and infiltration. The moisture storage capacity of the soil controls the amount of infiltration and is depleted during wet periods. To model this behavior using the CN method, an effective storage capacity is tracked continuously throughout the simulation. During rainfall, the storage capacity is gradually filled. At the start of a new simulation, effective storage capacity is assumed at 50% of the maximum storage capacity. This initial saturation assumption, which results in an average effective capacity of 2.2in for the present-day scenario, is discussed further in the discussion section.

2.4.2 Coastal Boundary Conditions

The SLR scenarios are in alignment with BCDC's Draft RSAP (September 2024) and are summarized in Section 2.2. The SLR values were added to the coastal boundary condition water level time series).

The compound flooding hazard model for Newark and the adjacent areas of the Mowry OLU utilizes a scenario-based approach to assess both present and future flood risks. This model is driven by water level boundary conditions in the San Francisco Bay, which incorporate tides and storm surges. These conditions are derived from high-resolution, regionally accurate modeling efforts conducted by the USGS, Deltares, and ACFCD (Figure 12). These regional models form part of the Delft3D San Francisco Bay Community Model (Nederhoff et al., 2021), which provides 70 years of continuous data (1950–2019).

For this study, several five-day periods representing MHHW as well as 10-year and 100-year coastal events were selected (Table 4 and Figure 13). By using the recorded data from these periods, it is ensured that the model simulates realistic conditions that have occurred in the past (Table 4). This approach enhances the reliability of the predictions by grounding them in observed events. ACFCD also utilizes this approach.

Table 4 Five-day coastal periods for model simulations

Event	Peak Value (ft) in NAVD88	Historical Date of Peak Value
100-year	10.2	January 27, 1983
10-year	9.5	February 06, 1998
MHHW	7.0	March 07 2004

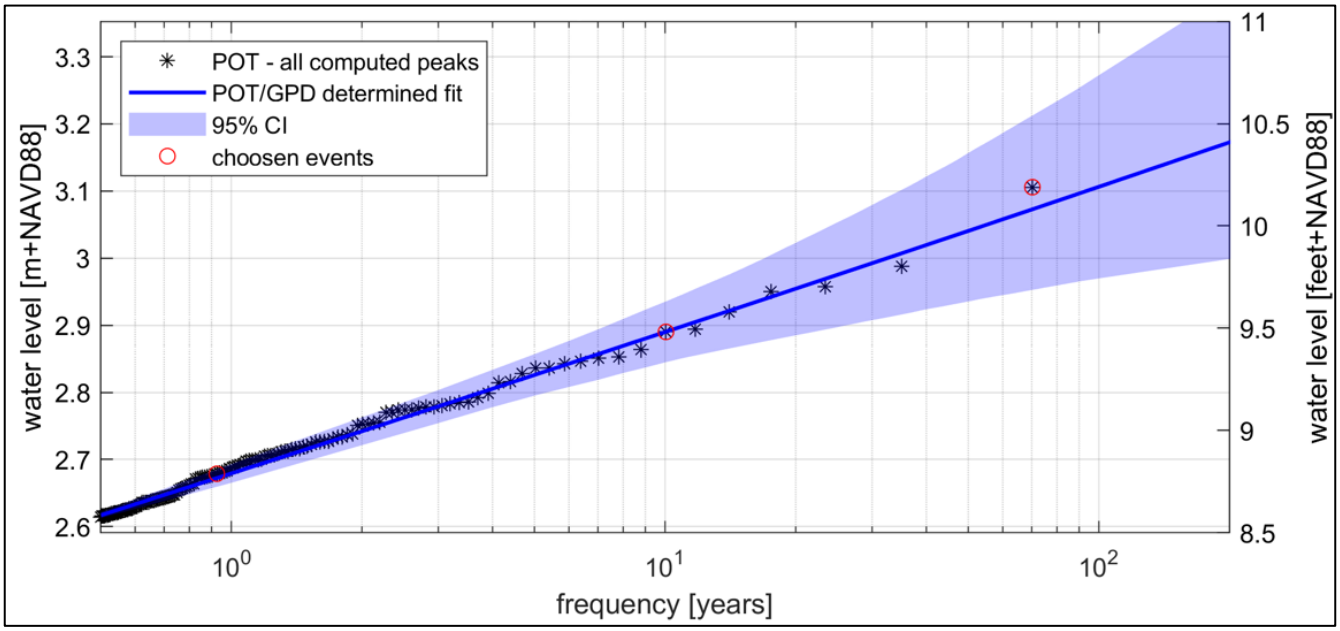


Figure 12 Values computed by Delft3D near SFINCS boundary

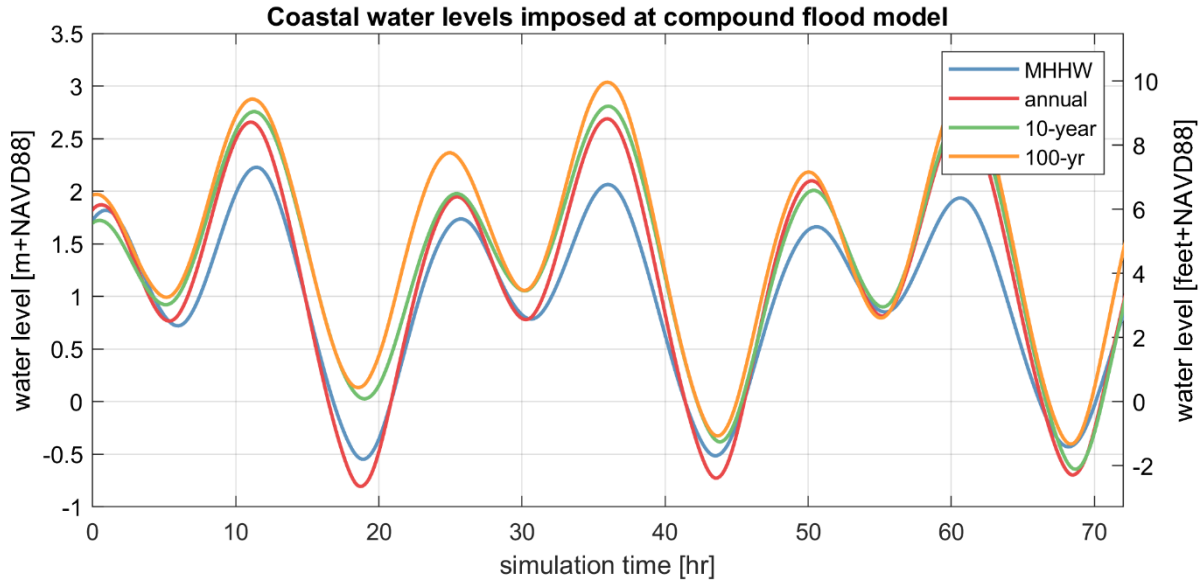


Figure 13 Coastal water levels imposed at compound flood model

2.4.3 Subsidence

There has been a history of groundwater pumping related subsidence in the Bay Area. For example, subsidence due to over pumping of groundwater is well documented in the Santa Clara Valley (located south of Newark and Alameda County) due to widespread agricultural land use. Measures to manage the groundwater resource in the Valley began in the 1930s. However agricultural expansion continued to result in land subsidence. By the late 1990's, subsidence in the Valley had been resolved (USGS, 2018). Figure 14 shows ground level reductions and subsidence rates for one location in the Central Valley for context.

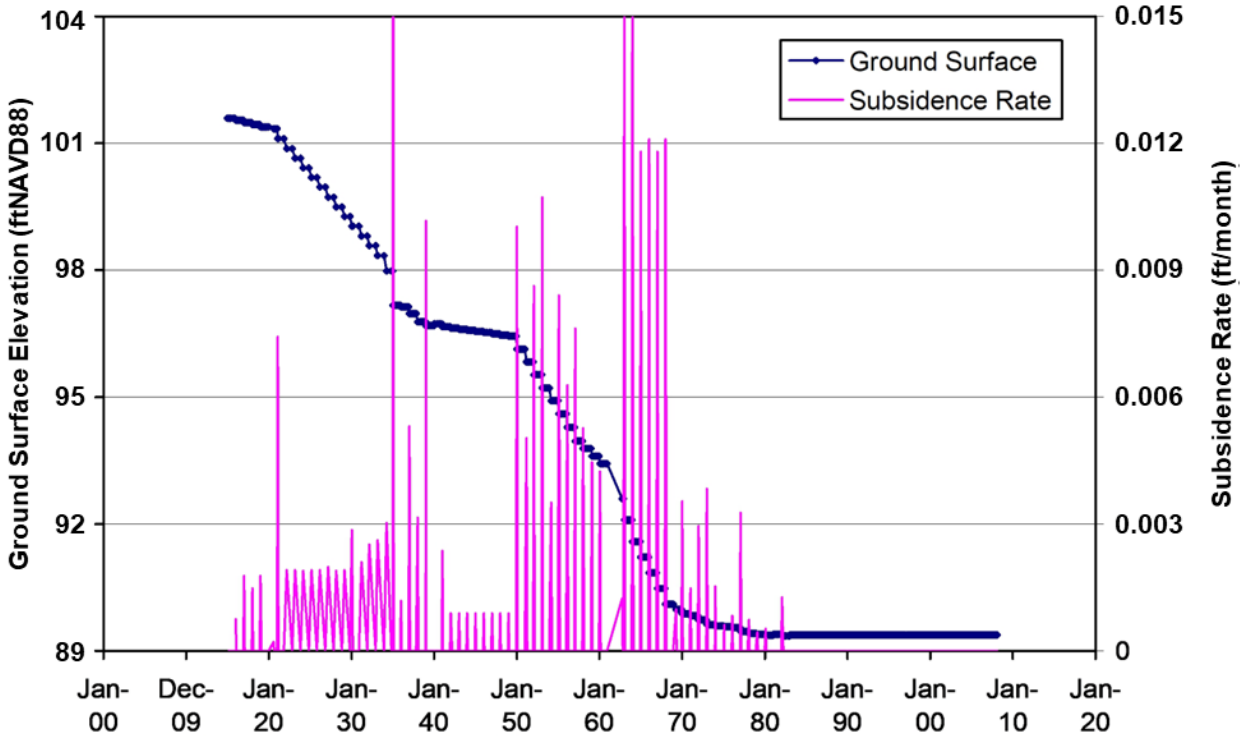


Figure 14 Ground subsidence at USGS Index Well 7R99 (located in Santa Clara Valley) between 1900 and 2010

Future groundwater levels will be influenced by both SLR and varying rainfall behavior. During periods of higher rainfall, groundwater levels are expected to rise along with SLR. Drought typically reduces groundwater levels. However, with the contribution of SLR, drought periods will have less of an impact on groundwater levels. For these reasons, and in light of the impact of SLR, land subsidence should be expected to be less than any historical subsidence (assuming that future groundwater pumping remains at sustainable rates).

When considering the 2050 SLR scenario of 0.8ft, and 2100 SLR scenarios of 3.1ft to 6.6ft, the groundwater levels are expected likely to rise with the rising sea levels (refer to Section 2.4.2). Therefore, long-term land-surface-elevation changes from groundwater pumping-induced subsidence is not anticipated to occur within the study area. If later research indicates subsidence has a larger impact, subsidence rates could be accounted for in the model by adjusting topography heights with the expected values.

2.4.4 Drainage Infrastructure

The culvert physical parameters, such as location and size, were provided by ACFCD, are included in the model, and are depicted in Figure 15. The model does not include other urban drainage systems (i.e., storm drain network) because the most conservative scenario assumes that the drainage infrastructure is at capacity and not accepting additional runoff. Nonetheless, the potential reduction in flooding from green infrastructure can still be assessed. There are no pump stations within the study area.



Figure 15 Culverts and levees included in the model

2.4.5 Flood Management Structures

There are levees around the existing salt ponds on the Newark shoreline (Figure 15). The levees were modeled as weirs, to simulate the effects of constrained flow. No information is available on levee condition. It is assumed that the levees are stable and do not fail. This allows the analysis to represent the expected conditions and focuses on the behavior of water flow as opposed to structural integrity.

The model also includes levees/berms along the Alameda Creek Flood Control Channel to model the effect of this infrastructure. The median levee elevation is approximately 12.3ft in the model extents.

2.5 Sensitivity Analysis

A sensitivity analysis of peak rainfall timing was conducted to confirm the worst-case flooding scenario relative to tidal and rainfall peak alignment. Three simulations were tested to evaluate scenarios where peak rainfall occurred at the same time, 30 minutes prior, and 1 hour prior to the peak tidal water level during a 24hour storm (Figure 16). The maximum inundation extents were observed when the peak rainfall and peak tidal water level were aligned; therefore, this alignment was applied for all other model scenarios to represent the conservative, worst-case flood conditions.

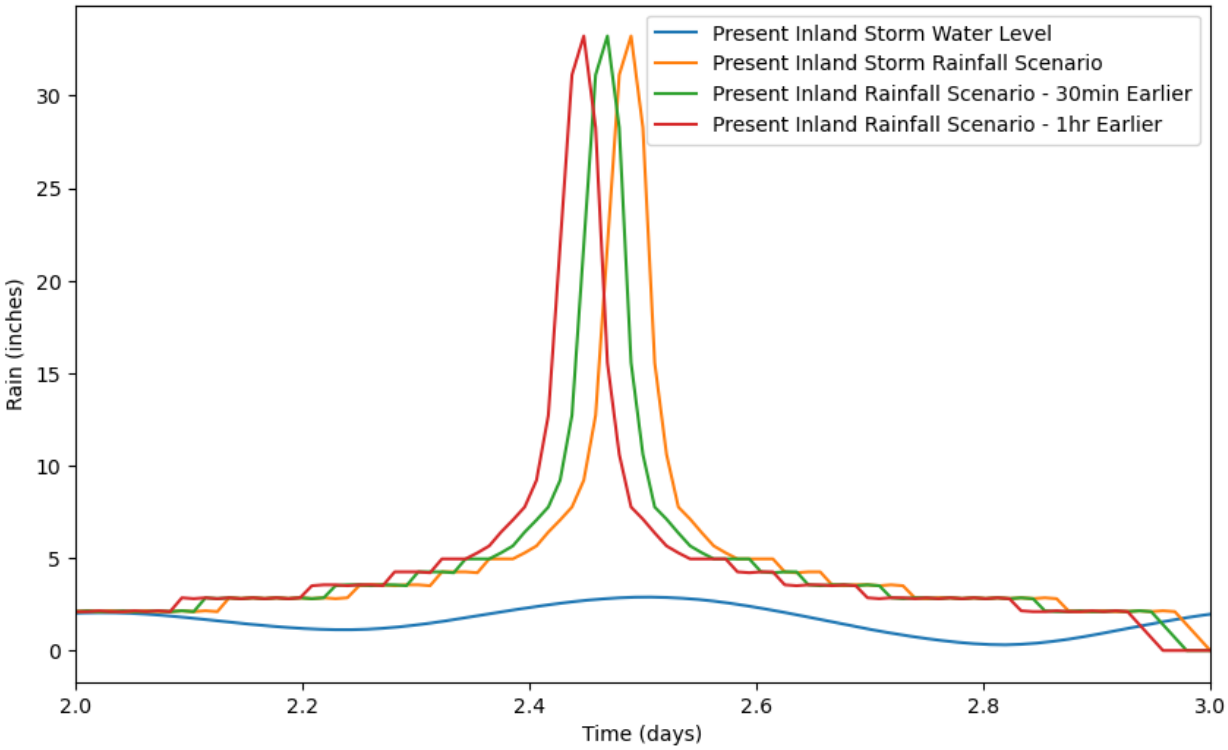


Figure 16 Sensitivity analysis of peak rainfall and tidal water level

2.6 Assumptions and Limitations

This analysis assumes that:

- Publicly available data and data provided by the City and ACFCD is correct.
- The FEMA hazard maps effective in 2009 are correct for the present-day 100-year rainfall event.
- The existing levees are stable and do not fail.
- Drainage infrastructure is at full capacity during storm conditions.

Limitations include:

- The model accuracy is dependent on the quality and resolution of the input data, such as topography, bathymetry and rainfall.
- There is inherent uncertainty in model predictions. The model assumptions and inputs may not fully capture real-world complexities and variability in natural systems, which can affect the accuracy of the results. For instance, water levels in San Francisco Bay were reproduced with an error of several inches (see to Section 3.2) and therefore do not perfectly align with historical observations.
- There are no stream gauges within the study area, therefore no stream gauge data was available to calibrate the riverine flow rates.

3. Model Results

The scenarios from Section 2.2 were modeled to represent the flood extents and depths for the selected present day, 2050, and 2100 conditions.

3.1 Outputs and Analysis

The ten scenarios from Section 2.2 for present day, mid-century, and end-of-century were modeled, and flood depths at several locations are compared in Figure 17 and Table 5. Results are included in this section with additional higher resolution maps included in Appendix C.

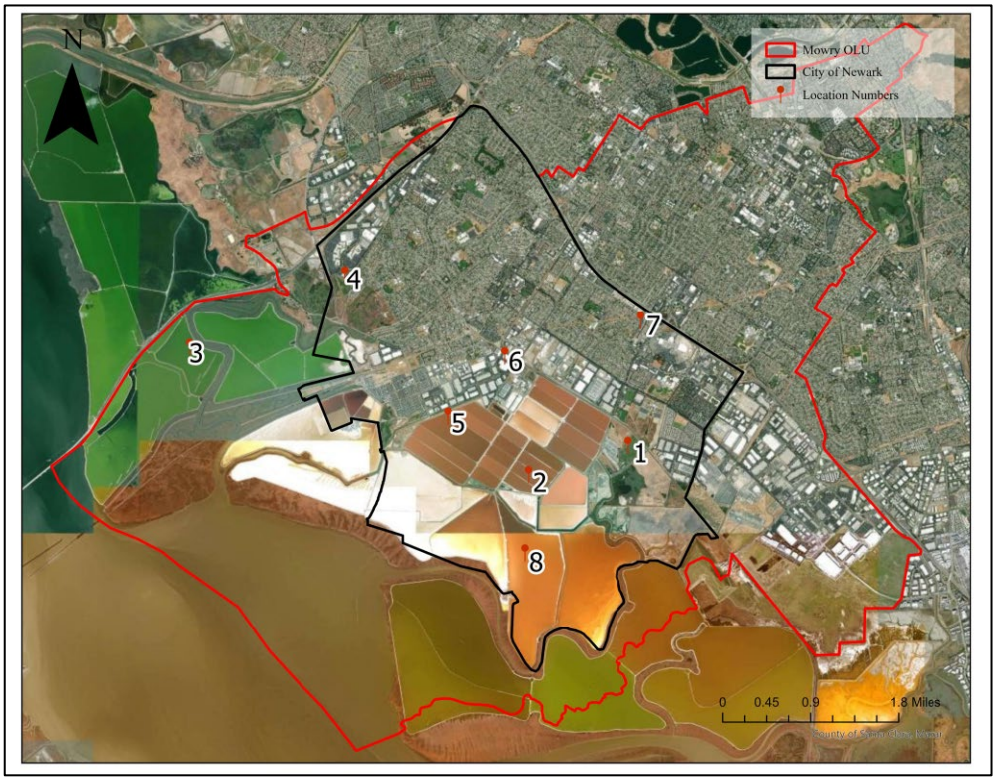


Figure 17 Model result locations associated with flood depths in Table 5

Table 5 Model result flood depths at locations depicted in Figure 17

Time	Storm/ Quasi-permanent Inundation	SLR (ft)	Location ID							
			1	2	3	4	5	6	7	8
			Water Depth (ft)							
Present	Coastal Storm	0	6.3	1.9	1.9	6.8	0.0	0.7	0.0	0.5
	Inland Storm	0	6.5	3.2	1.4	7.5	0.6	0.9	0.0	0.7
2050	Future Storm (Coastal)	0.8	6.3	2.2	2.7	6.9	0.1	0.7	0.0	0.6
	Quasi-permanent Inundation	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2100	Future Storm (Coastal)	3.1	6.4	4.9	6.5	8.5	1.8	0.7	0.0	4.4
		4.9	6.4	8.2	9.0	10.8	4.9	0.7	0.0	7.3
		6.6	7.1	10.0	10.8	12.6	6.7	0.9	0.0	9.1
	Quasi-permanent Inundation	3.1	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
		4.9	0.0	0.0	4.3	6.6	0.0	0.0	0.0	2.9
		6.6	0.0	6.3	7.4	9.2	3.1	0.0	0.0	5.4

The model is dynamic and simulates a period of five days; an example of the results at different time steps is depicted in Figure 18.

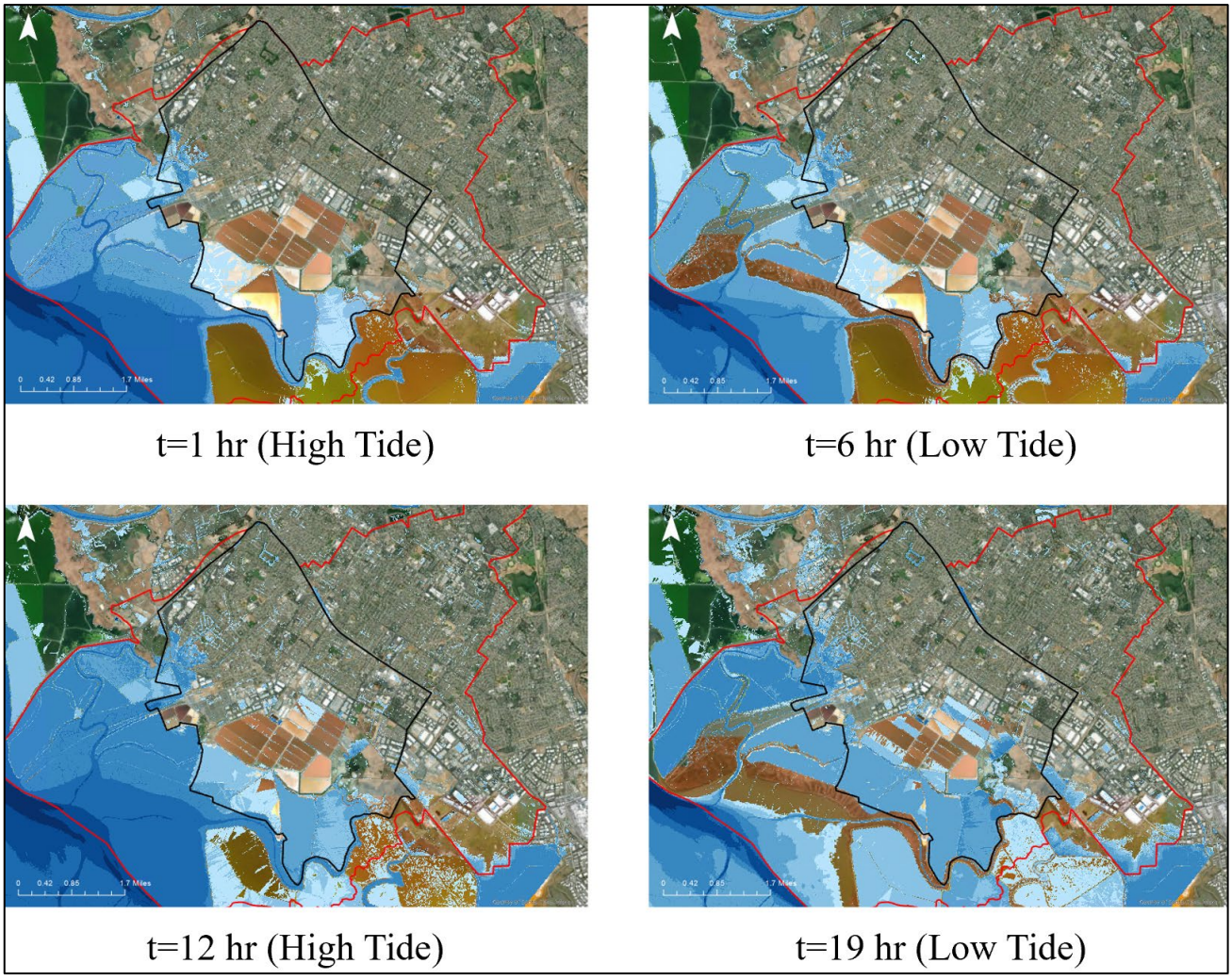


Figure 18 End-of-century Storm Scenario (coastal) flood hazard results with 3.1ft of SLR (where t is the time)

3.1.1 Present Day

The Coastal Storm Scenario (100-year coastal + 10-year inland) and Inland Storm Scenario (100-year inland + 10-year coastal) maximum flood depth results are depicted in Figure 19 and Figure 20.

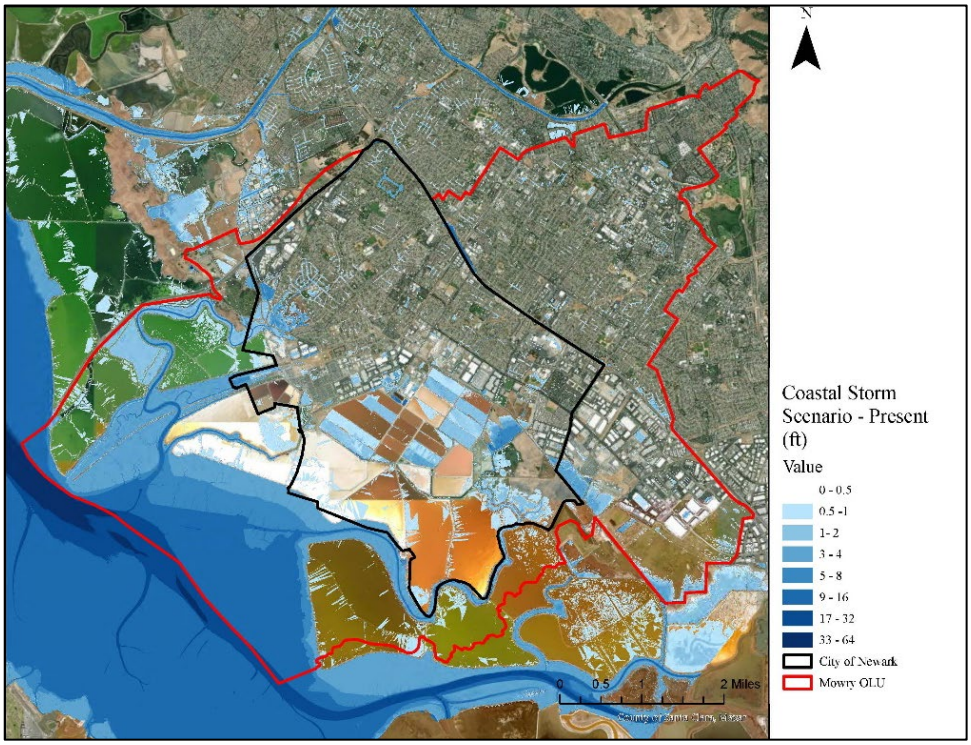


Figure 19 Present day Coastal Storm Scenario flood hazard results

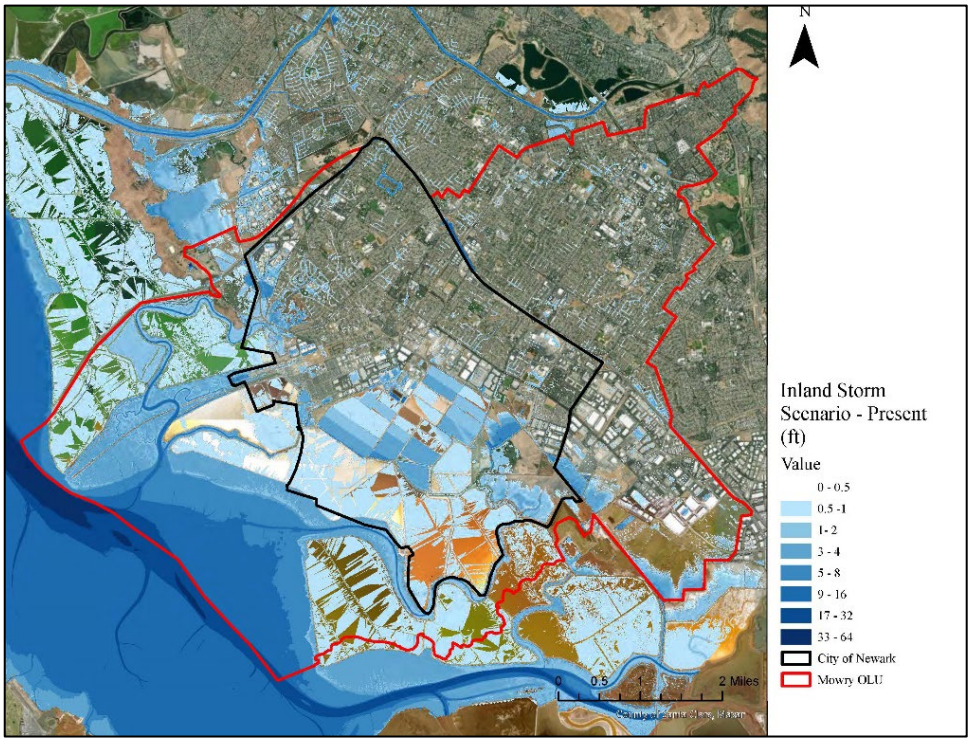


Figure 20 Present day Inland Storm Scenario flood hazard results

The Inland Storm Scenario has wider flood inundation extents, as depicted in Figure 21 which compares the Coastal and Inland Storm Scenario maximum flood depths. The green areas indicate a higher inland flood depth and blue areas indicates higher coastal flood depth. Under present day conditions, the flooding from the Inland Storm has a greater impact in residential and commercial areas, particularly within the City of Newark boundary. The berms around the salt farms provide a level of protection against coastal flooding and the berms are not overtopped in either of the present-day scenarios.

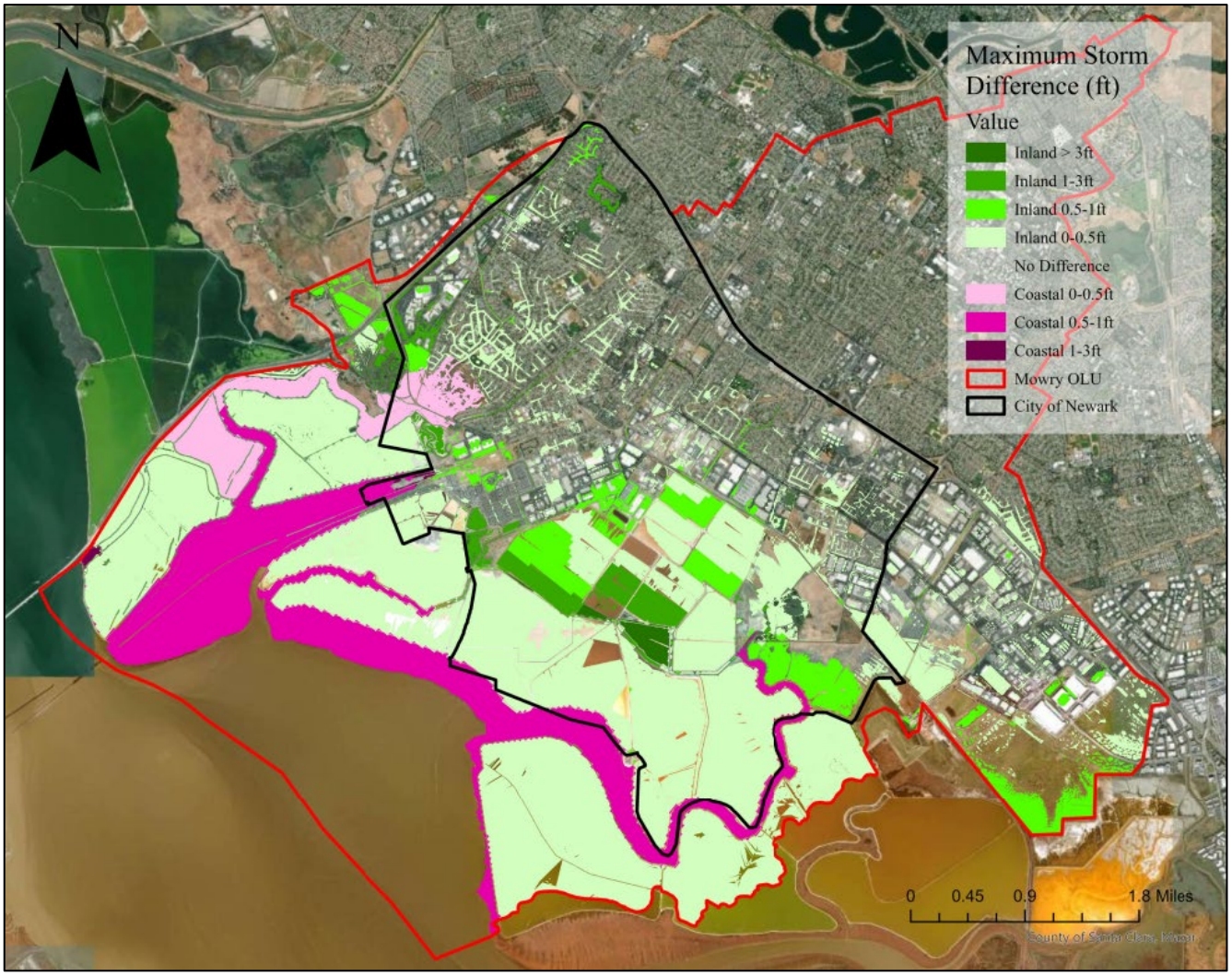


Figure 21 Comparison of the maximum flood depths between the Coastal and Inland Storm Scenarios

3.1.2 Mid-Century (2050)

The mid-century scenarios include 0.8ft of SLR with the quasi-permanent inundation and Storm Scenario. The respective maximum flood depth results are depicted in Figure 22 and Figure 23. The quasi-permanent inundation map depicts typical day-to-day conditions.

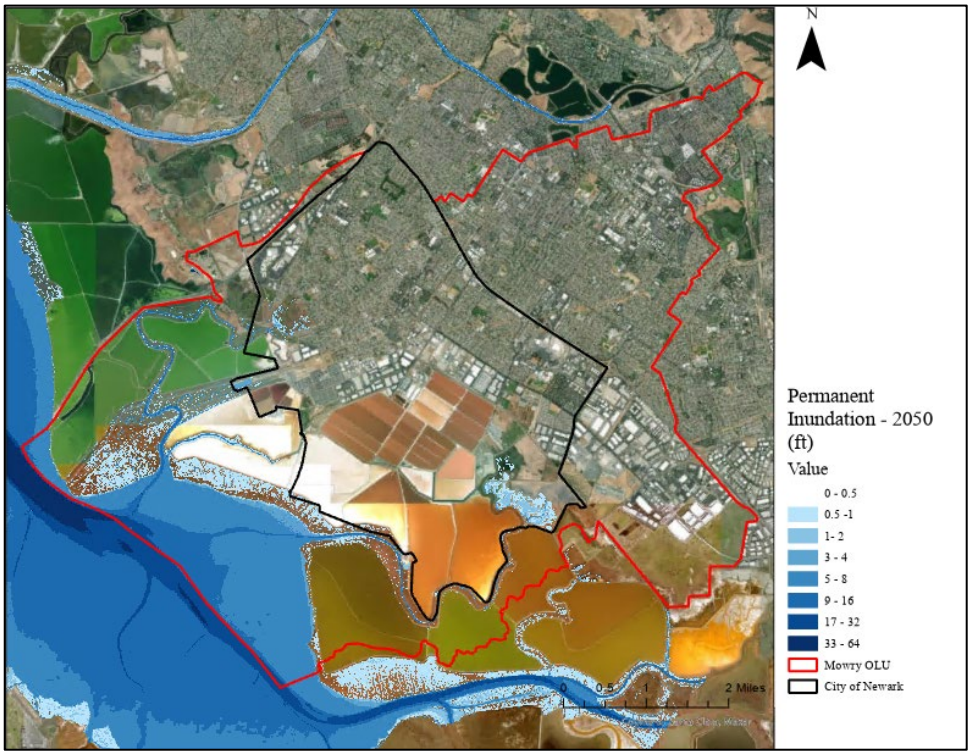


Figure 22 Mid-century quasi-permanent inundation scenario flood hazard results

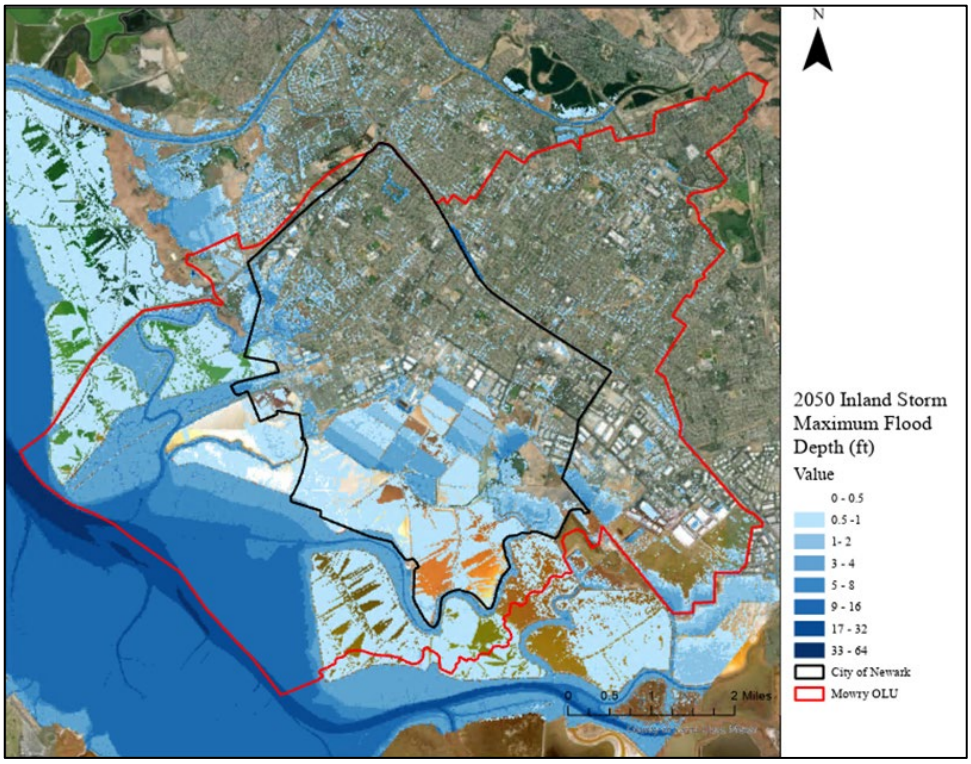


Figure 23 Mid-century Storm Scenario flood hazard results

The quasi-permanent inundation results depict limited areas of impact, with localized parts flooding in the northwest and southeast of the City. Initial mitigation efforts could be focused on these locations. When considering the Storm Scenario in addition to the Quasi-permanent conditions, the flooding becomes more widespread, particularly in the salt farms.

3.1.3 End-of-Century (2100)

The end-of-century scenarios include 3.1ft, 4.9ft, and 6.6ft of SLR with the quasi-permanent inundation and Storm Scenarios. The quasi-permanent inundation results under the three SLR scenarios, respectively, are depicted in Figure 24 through Figure 28. The quasi-permanent inundation map depicts typical day-to-day conditions. The Storm Scenario maximum flood depth results under the three SLR scenarios, respectively, are depicted in Figure 25 through Figure 29.

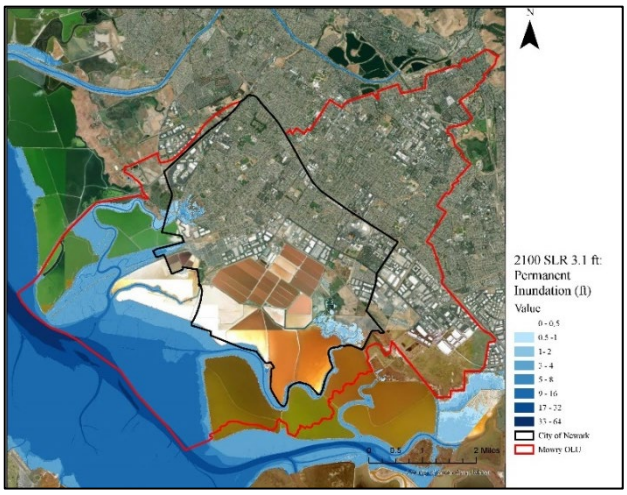


Figure 24 End-of-century Quasi-permanent Inundation Scenario under 3.1ft of SLR flood hazard results

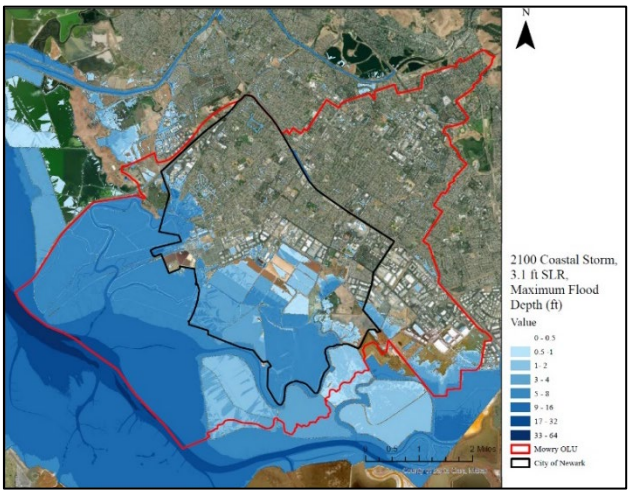


Figure 25 End-of-century Storm Scenario under 3.1ft of SLR flood hazard results

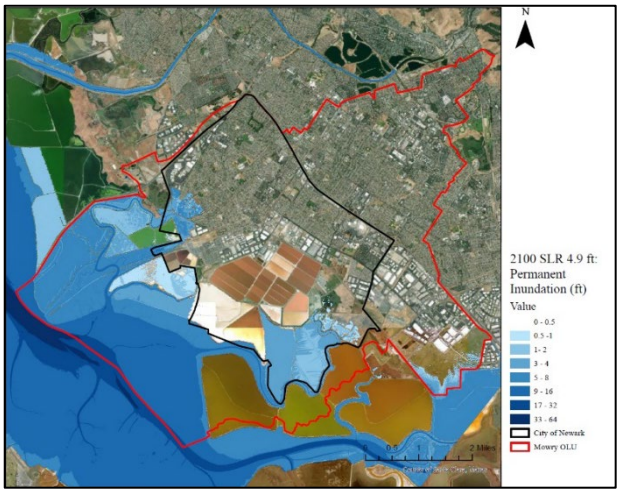


Figure 26 End-of-century Quasi-permanent Inundation Scenario under 4.9ft of SLR flood hazard results

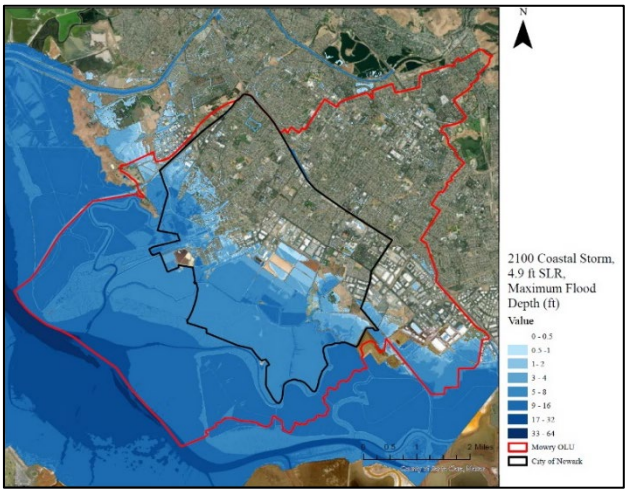


Figure 27 End-of-century Storm Scenario under 4.9ft of SLR flood hazard results

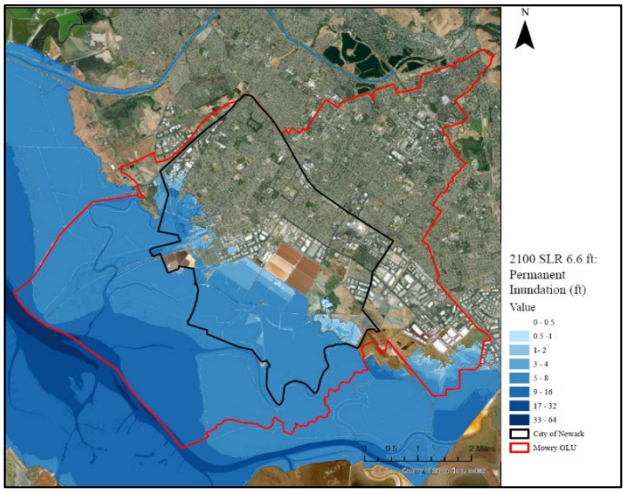


Figure 28 End-of-century Quasi-permanent Inundation Scenario under 6.6ft of SLR flood hazard results

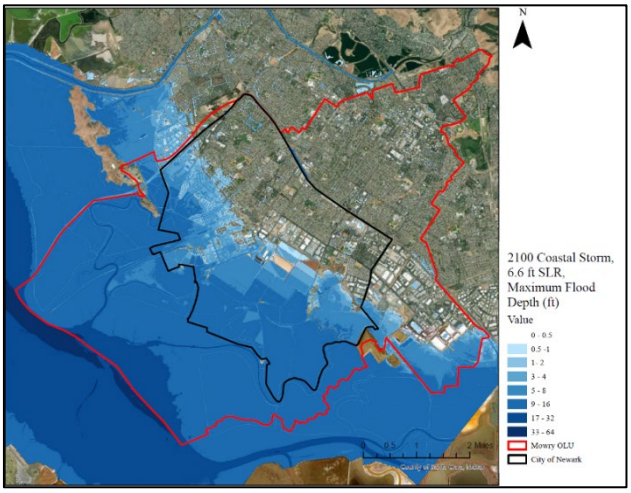


Figure 29 End-of-century Storm Scenario under 6.6ft of SLR flood hazard results

The quasi-permanent inundation results considering 3.1ft of SLR depict limited areas of impact similar to the mid-century results, with localized areas in the northwest and southeast of the city becoming inundated. Quasi-permanent inundation from 4.9ft of SLR impacts the southern section of the salt farms and a greater extent of the area in the northwest of the city. The tipping point where day-to-day impacts from quasi-permanent inundation become significant occur when SLR increases from 4.9ft to 6.6ft of SLR, visualized in Figure 30, which depicts the MHHW level relative to the median weir elevation.

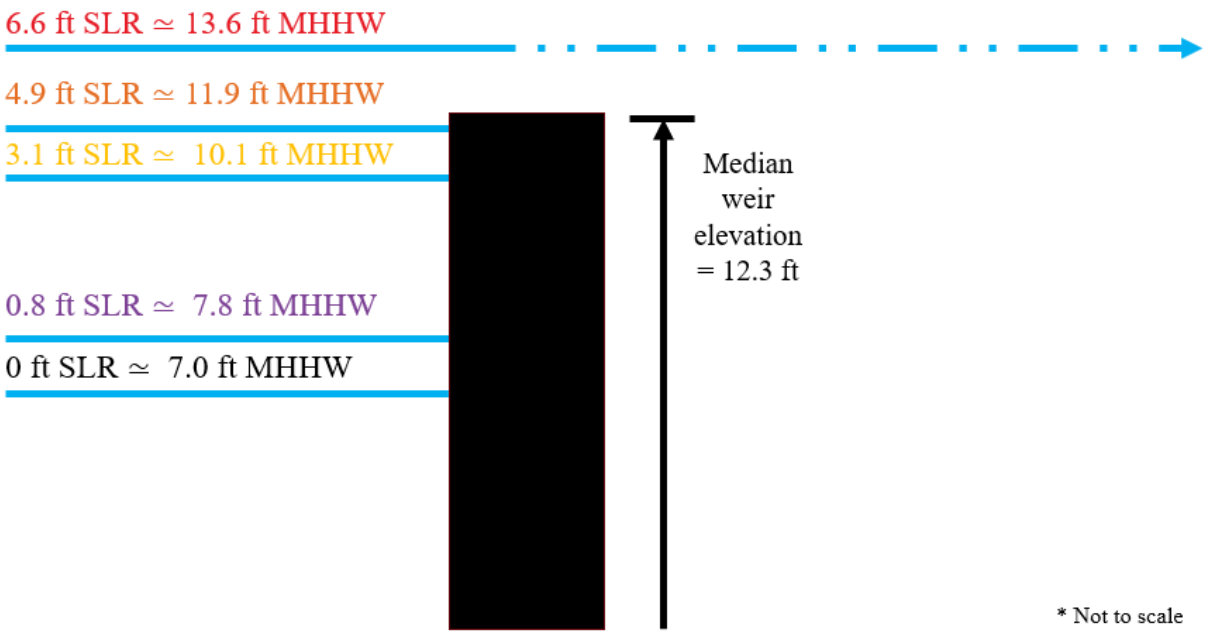


Figure 30 Visualization of MHHW elevation and weir elevation under SLR scenarios with tipping point depicted

The areas impacted by quasi-permanent inundation with 4.9ft of SLR are similar to those impacted by 3.1ft of SLR, but the maximum flood depths are greater. In the 6.6ft of SLR scenario, a significantly larger portion of developed areas are impacted, and widespread mitigation would be required. Figure 31 depicts the change in inundation from 4.9ft to 6.6ft SLR, where the darker the color indicates how much more flooding there is in 6.6ft SLR than 4.9ft SLR scenarios (MHHW).

When considering the Storm Scenario in addition to the quasi-permanent conditions, the tipping point for widespread flooding occurs with 3.1ft of SLR, which could occur in a nearer timeframe than the quasi-permanent inundation tipping point. In particular, the salt farms and in the developed areas in the northwest of the city experience the most flooding. Inland flooding also occurs in pockets throughout the residential neighborhoods in this scenario.

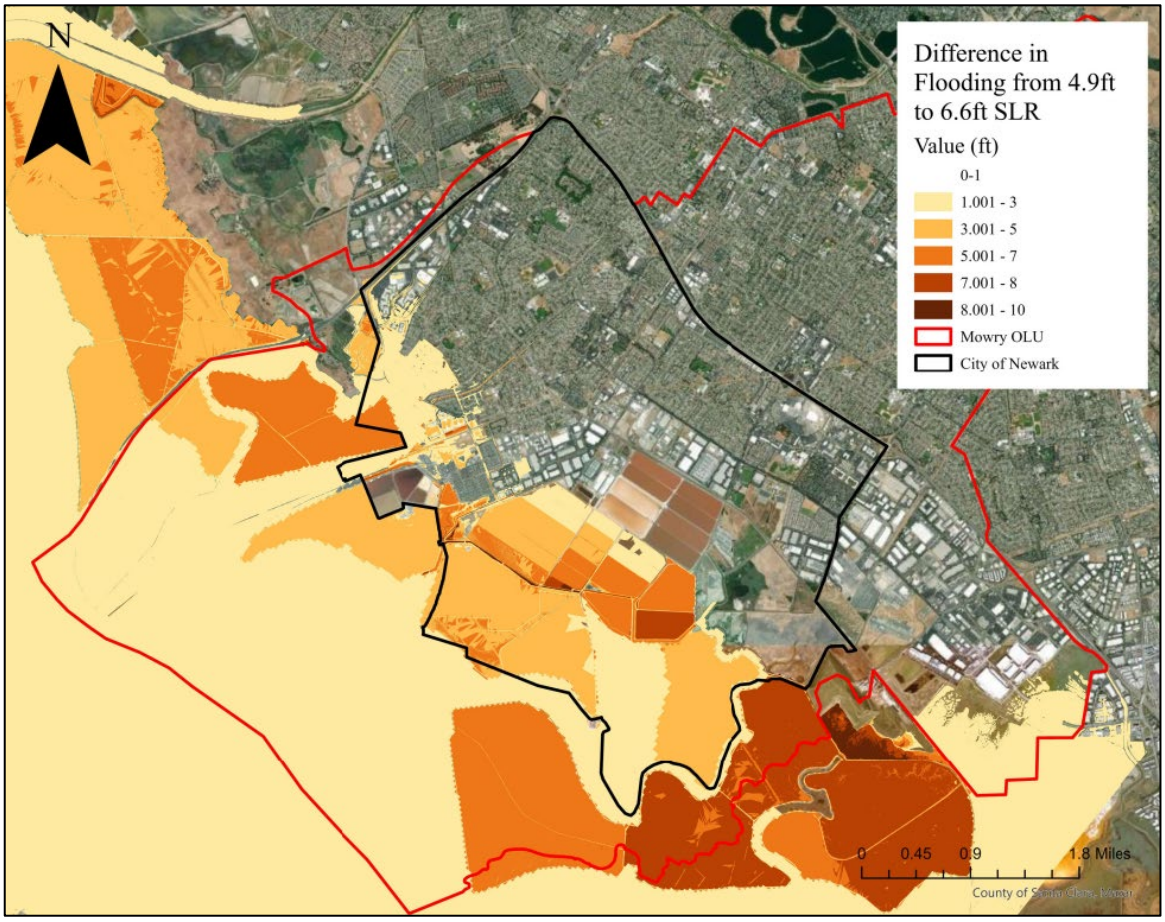


Figure 31 Difference in flood depths from quasi-permanent inundation due to 4.9ft versus 6.6ft of SLR

3.2 Validation

The Delft3D San Francisco Bay Community Model (Nederhoff et al. (2021)), from which the coastal boundary conditions were derived, is calibrated against tide gauge data. For this regional Newark model, the model results water levels were validated against the Coyote Creek tide gauge water levels in Figure 32. The modeled water levels ("SFINCS model") align with the observed values ("observed (hourly)"), as seen visually for the time series below during winter 1983.

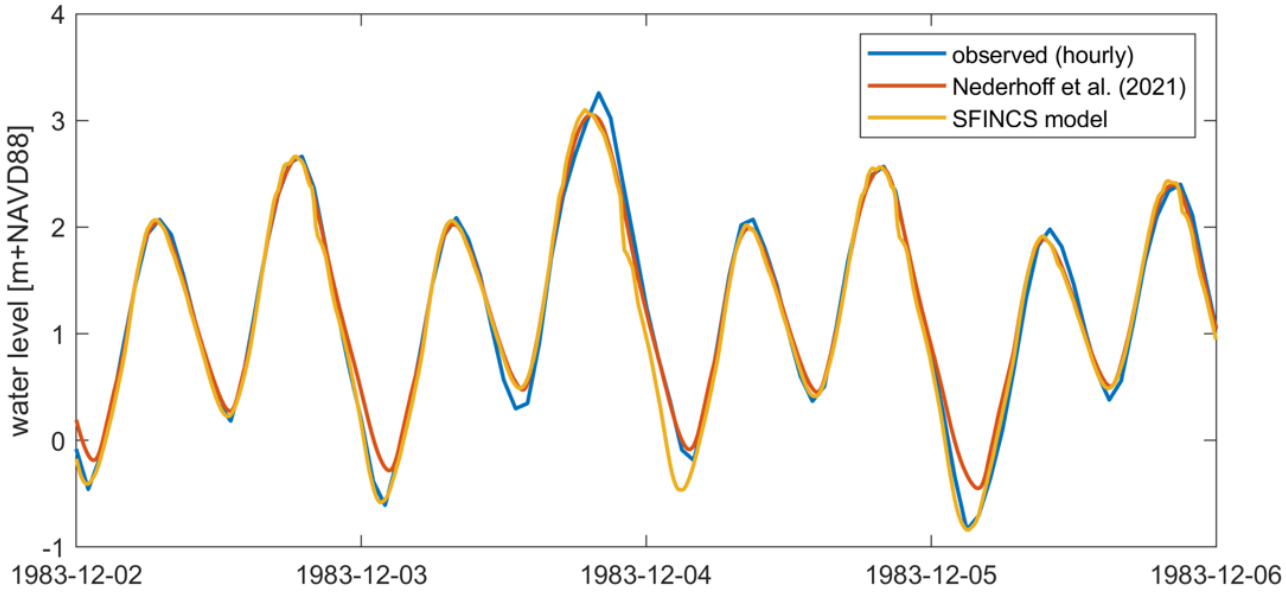


Figure 32 Validation Coyote Creek – RMSE 15cm, MAE 11cm

The model results verification compared to FEMA indicates there is some overestimation of flooding mainly on land driven by rainfall. This is likely because of two reasons: 1) urban drainage systems are not included in the SFINCS model because they are assumed to be at full capacity which results in ponding water in the streets, and 2) The FEMA model does not include local storm drain systems and is not a 2D model, therefore flooding will not show in the streets unless it is specifically around creeks or channels which are overtopped. Therefore, it is expected that there will be some misalignment between the results from inland flooding. There is also some underestimation in the salt ponds, which may be driven by overestimation of the weir height, or potential inaccuracies or assumptions in the FEMA results.

Despite these limitations, the results include an 88% hit rate, which means that the SFINCS model flooding aligned with 88% of the FEMA flood area, which gives confidence that the model is capturing the main flood patterns as depicted in the FEMA benchmark.

It is estimated that biases are likely consistent across different return periods, meaning it does not vary significantly with event magnitude. However, the relative patterns of increasing flooding driven by climate change factors, such as sea level rise and heightened precipitation, are still well captured. While the absolute flood extents may carry systematic biases, the relative trends remain reliable for assessing future risks. For projections at specific time horizons, the overestimation may slightly inflate the total flooded area but is unlikely to significantly alter the trends in increased flood hazards under climate change scenarios. These trends are critical for planning purposes, as they provide insight into the relative changes in risk and the areas requiring priority action.

4. Conclusions and Next Steps

The findings from this compound flood hazard modeling highlight the significant hazards posed by rising sea levels, increased storm intensity, and groundwater emergence to the City of Newark. The flood hazard model developed for this study provides a comprehensive understanding of current and future flood hazards, demonstrating that both coastal and inland storm scenarios could increasingly impact residential, commercial, and green spaces. Limitations include the quality and resolution of input data (i.e., topography, bathymetry, rainfall), inherent uncertainty in model predictions, and absence of available stream gauge data for calibration.

The model results underscore the urgency of implementing adaptive measures to mitigate associated risks, particularly in vulnerable areas such as in the northwest of the city which is exposed in the present-day coastal storm scenario. The alignment of peak rainfall and tidal events further emphasizes the need for robust flood management strategies to protect the community and infrastructure.

The next phase of work includes evaluation of the impact of the flooding on communities and infrastructure using Delft FIAT. The flood hazard results from this modeling effort will be utilized as the baseline for this assessment. The vulnerability assessment will identify assets that are exposed to flooding in the various future scenarios, considering the flood depth and potential damage. Risk modeling will then be performed in Flood Adapt and will support the implementation of a multi-criteria approach to identify key flood risk areas, considering severity of flood risk, potential impact on vulnerable communities, and criticality of impacted assets. Financial losses will also be estimated.

Concept-level adaptation solutions will be developed to address key areas in the city which are exposed to significant flood risk. The proposed adaptation solutions will be evaluated through a simple benefit-cost analysis and potential funding sources will be identified. Arup led a community engagement meeting at the project onset, to inform the public and solicit input, and a second meeting will review the results and present proposed conceptual adaptation measures.

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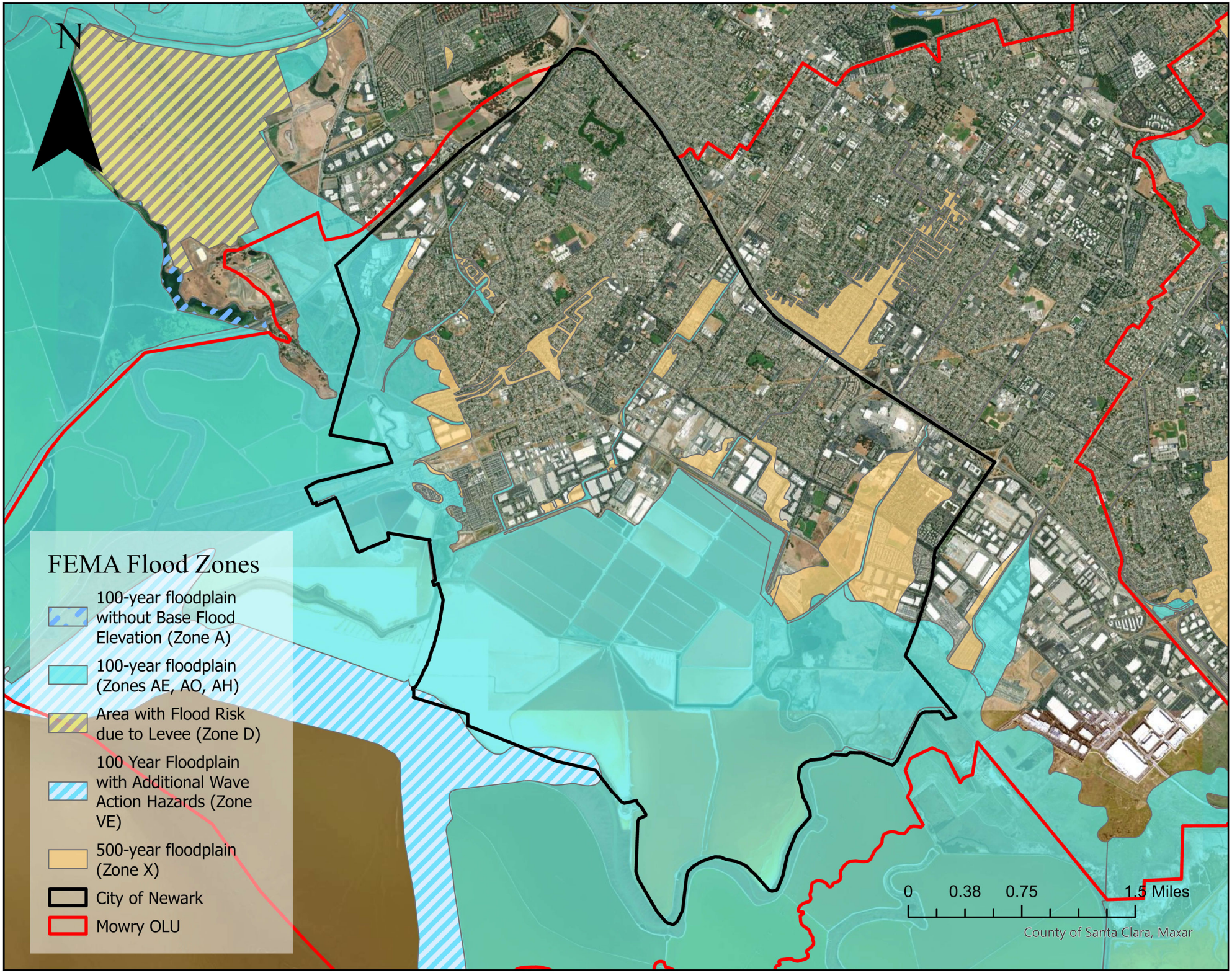
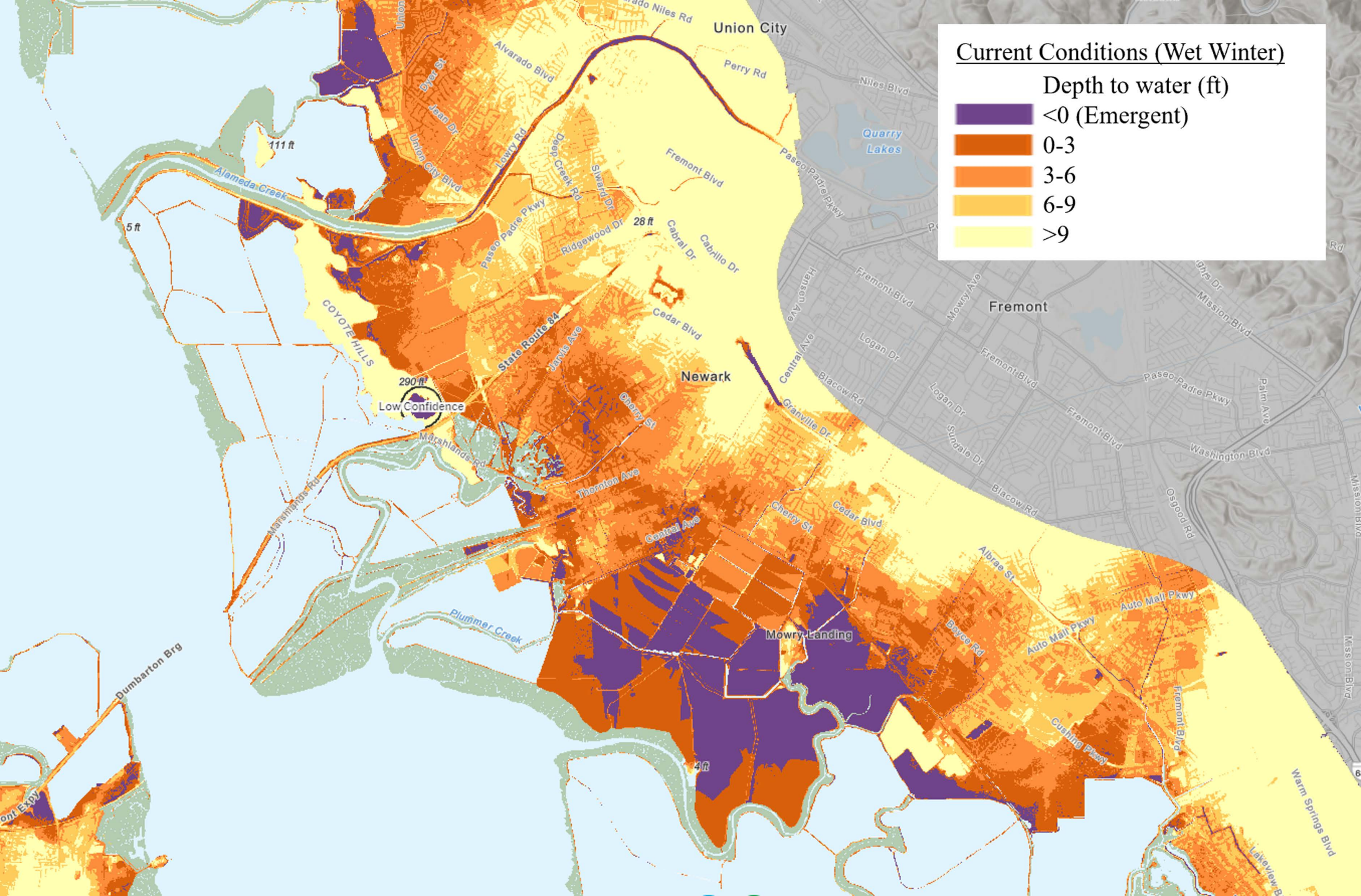
Appendix A

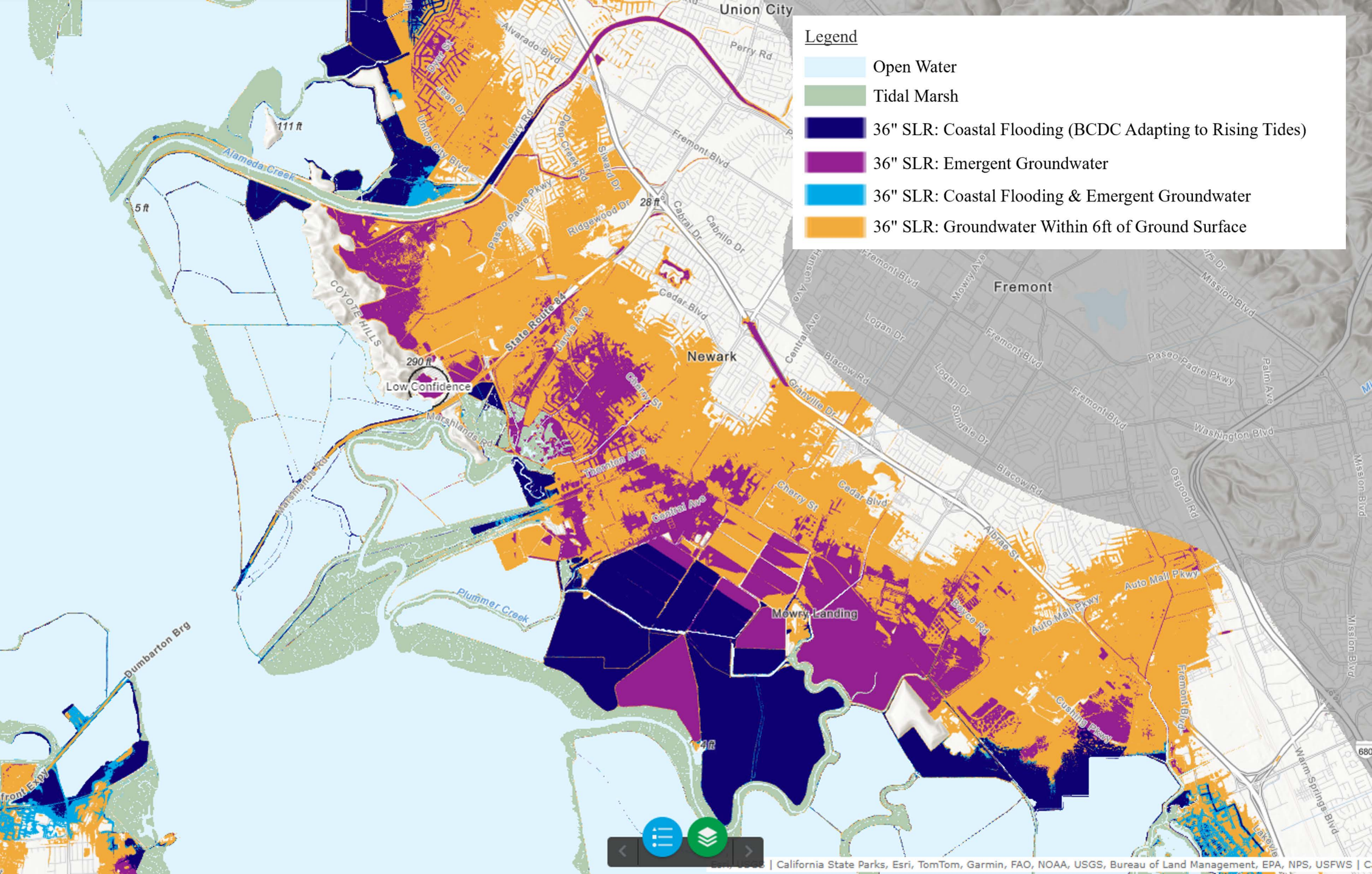
FEMA Map with Base Flood Elevations

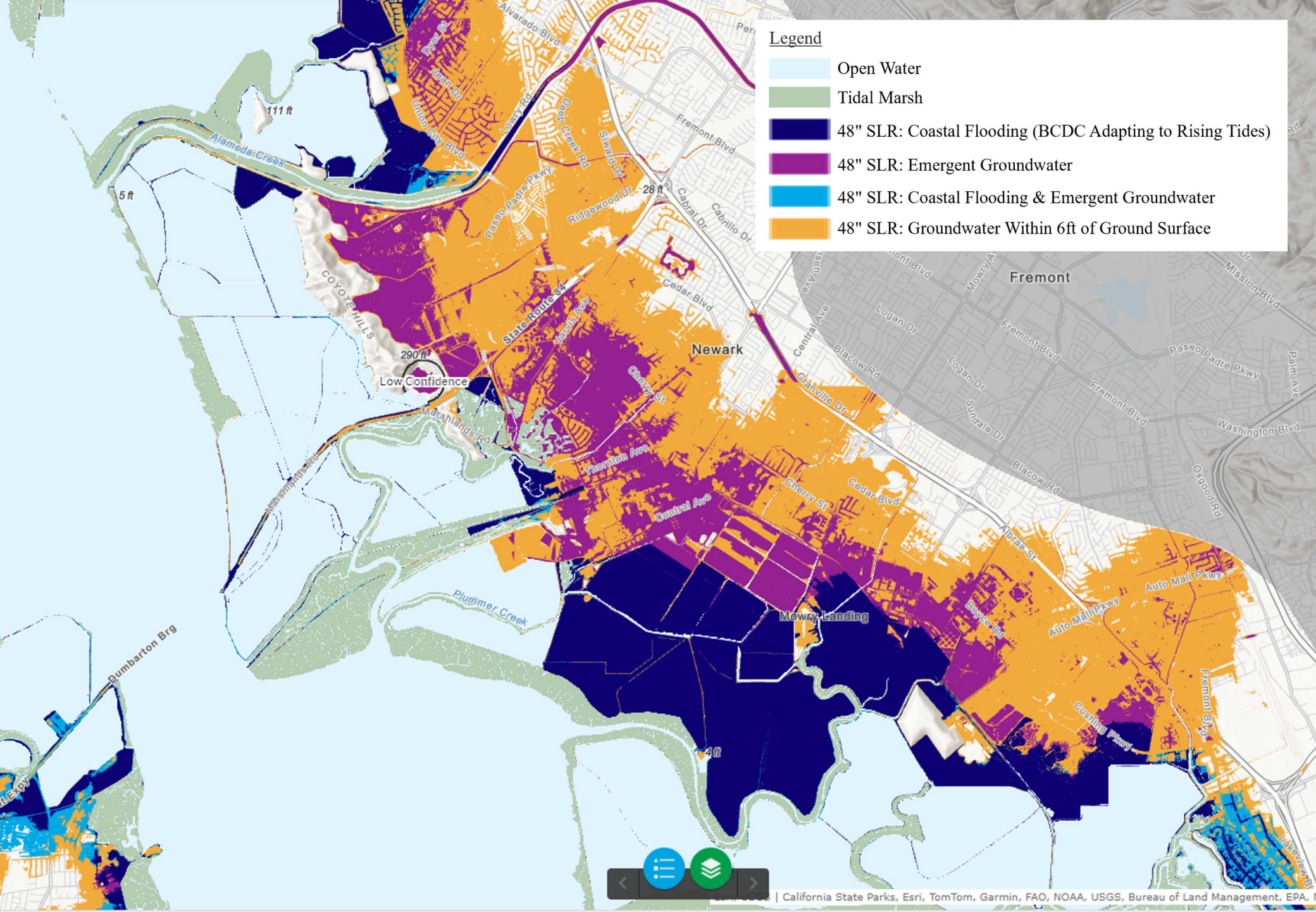

N
FEMA Flood Zones
100-year floodplain without Base Flood Elevation (Zone A)
100-year floodplain (Zones AE, AO, AH)
Area with Flood Risk due to Levee (Zone D)
100 Year Floodplain with Additional Wave Action Hazards (Zone VE)
500-year floodplain (Zone X)
City of Newark
Mowry OLU
0
0.38
0.75
1.5 Miles
County of Santa Clara, Maxar

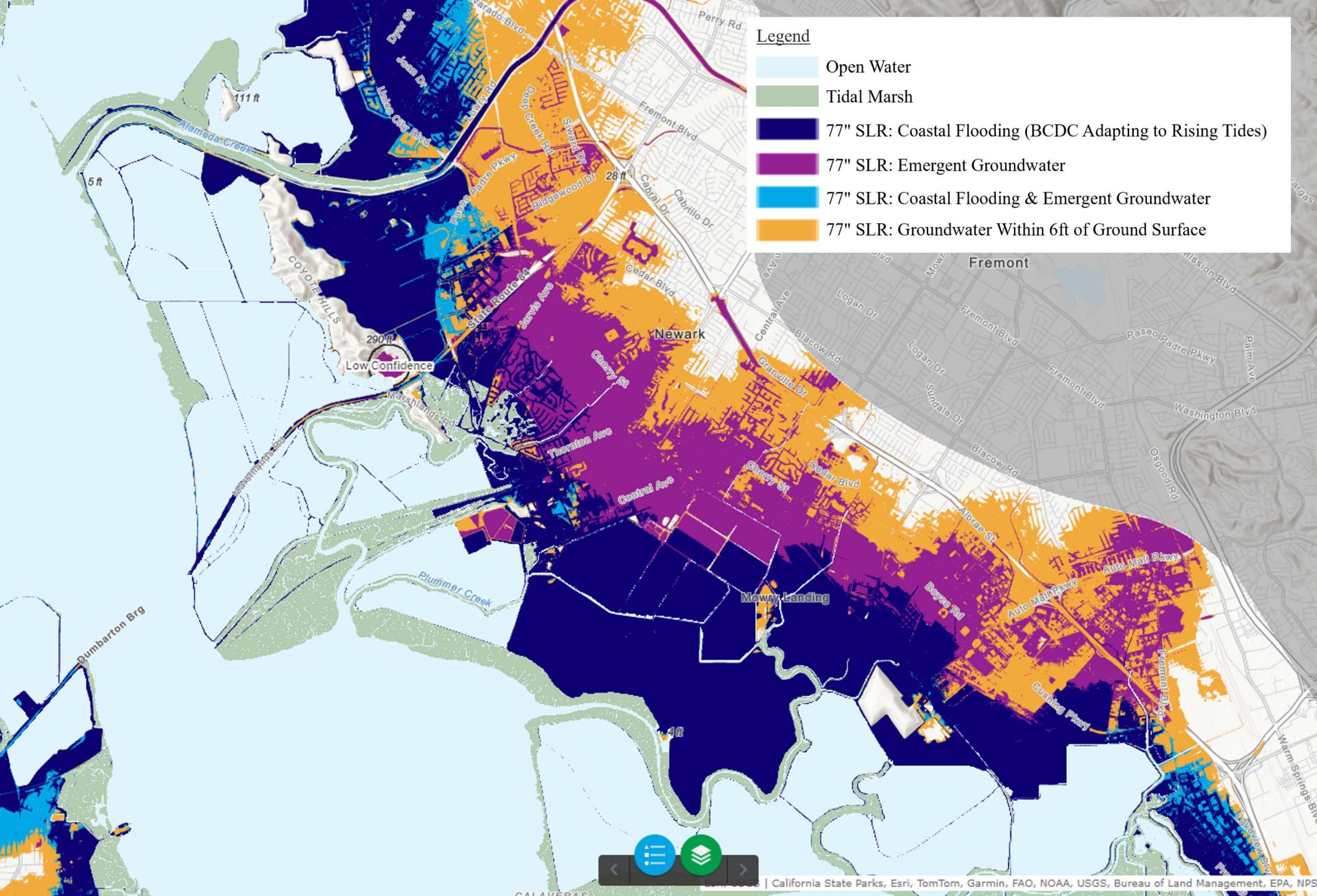
Appendix B

SFEI Groundwater Maps


Current Conditions (Wet Winter)
Depth to water (ft)
<0 (Emergent)
0-3
3-6
6-9
>9
Union City
Fremont
Newark
Mowry Landing
Low Confidence
Quarry Lakes
Alameda Creek
COYOTE HILLS
Dumbarton Brg
Plummer Creek
Marshlands Rd
Alvarado Blvd
Perry Rd
Niles Blvd
Fremont Blvd
Paseo Padre Pkwy
Cabral Dr
Cabrillo Dr
Cedar Blvd
State Route 84
Jarvis Ave
Cherry St
Thornton Ave
Central Ave
Granville Dr
Albrae St
Auto Mall Pkwy
Cushing Pkwy
Warm Springs Blvd
Mission Blvd
Washington Blvd
Osgood Rd
Blacow Rd
Logan Dr
Sundale Dr
Mowry Ave
Hansen Ave
Palm Ave
Lakeview B
111 ft
5 ft
28 ft
290 ft
4 ft

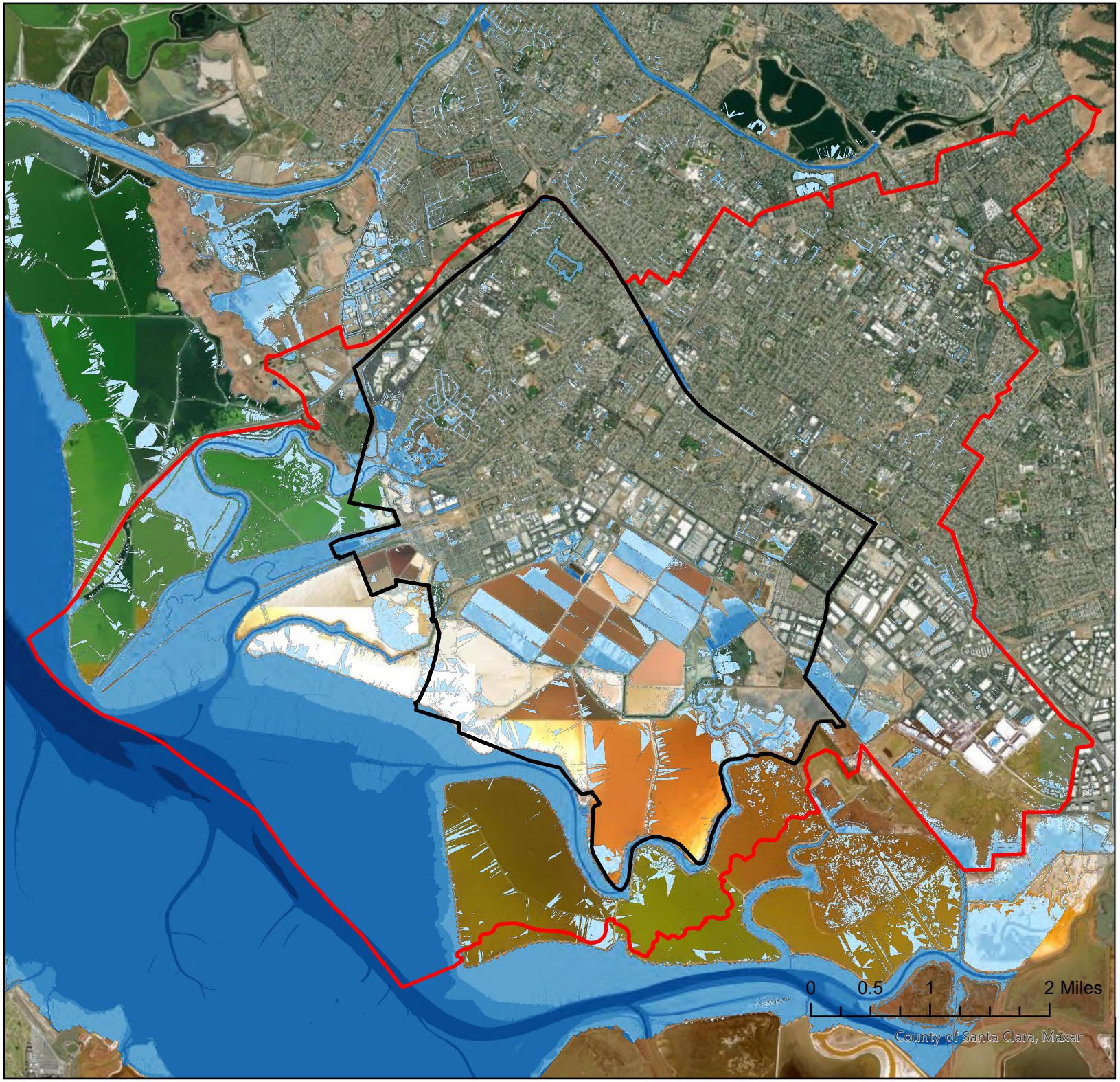

Legend
Open Water
Tidal Marsh
36" SLR: Coastal Flooding (BCDC Adapting to Rising Tides)
36" SLR: Emergent Groundwater
36" SLR: Coastal Flooding & Emergent Groundwater
36" SLR: Groundwater Within 6ft of Ground Surface
Union City
Fremont
Newark
Mowry Landing
Low Confidence
Alameda Creek
Plummer Creek
Dumbarton Brg
Alvarado Blvd
Perry Rd
Fremont Blvd
Cedar Blvd
Cherry St
Central Ave
Blacow Rd
Logan Dr
Mowry Ave
Mission Blvd
Paseo Padre Pkwy
Washington Blvd
Osgood Rd
Auto Mall Pkwy
Cushing Pkwy
Warm Springs Blvd
Marshlands Rd
Thornton Ave
Jarvis Ave
State Route 84
Ridgewood Dr
Cabral Dr
Cabrillo Dr
Granville Dr
Sundale Dr
Albrae St
Boyce Rd
Hansen Ave
Union City Blvd
Lowry Rd
Deep Creek Rd
Siward Dr
Jean Dr
Dyer St
COYOTE HILLS
111 ft
5 ft
28 ft
290 ft
4 ft
680
Esri, USGS | California State Parks, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS, USFWS | C

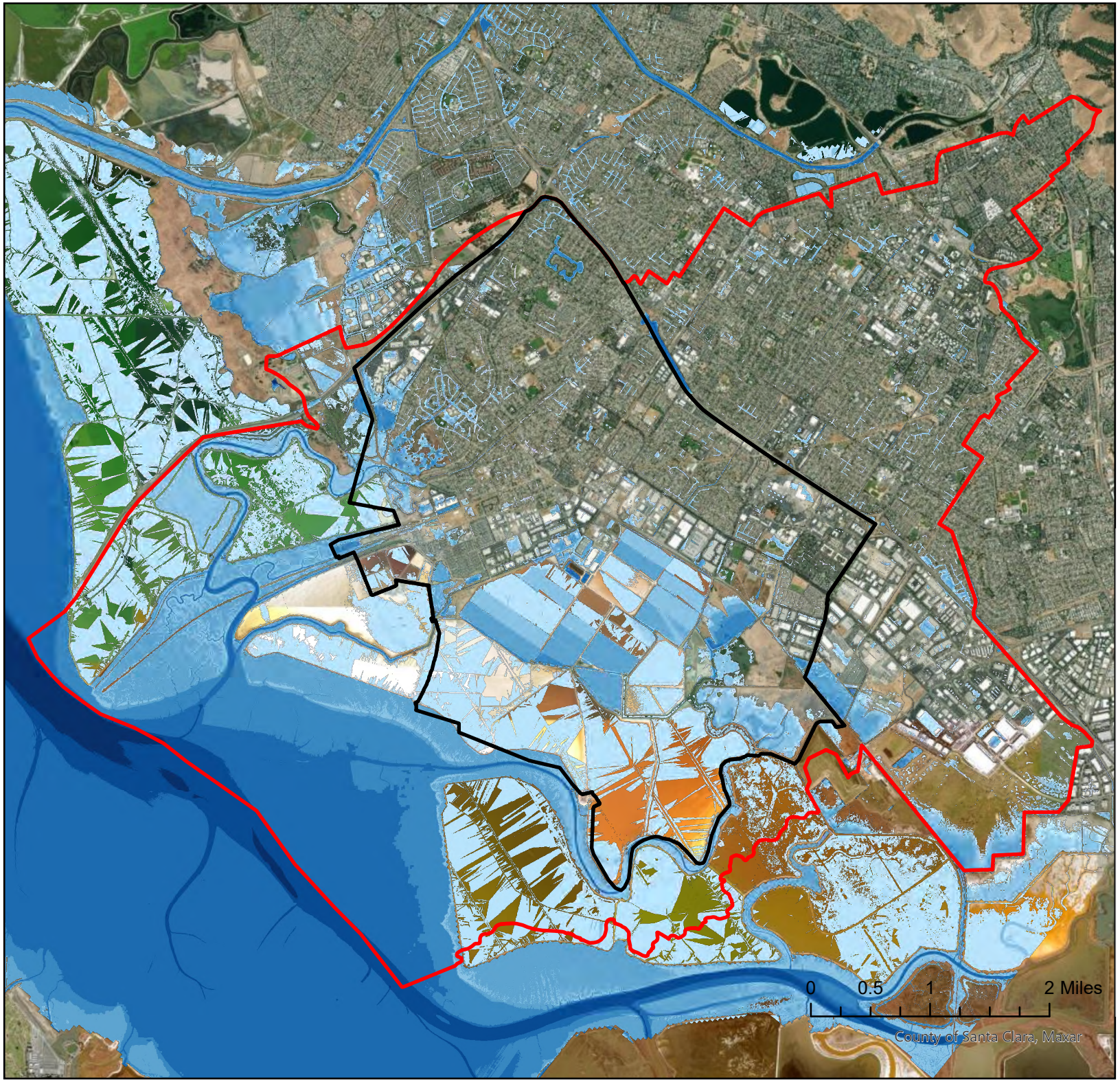

Legend
Open Water
Tidal Marsh
48" SLR: Coastal Flooding (BCDC Adapting to Rising Tides)
48" SLR: Emergent Groundwater
48" SLR: Coastal Flooding & Emergent Groundwater
48" SLR: Groundwater Within 6ft of Ground Surface
Fremont
Newark
Low Confidence
Mowry Landing
Alameda Creek
Plummer Creek
Dumbarton Brg
Alvarado Blvd
Fremont Blvd
Cedar Blvd
Cherry St
Central Ave
Thornton Ave
Marshlands Rd
Blacow Rd
Auto Mall Pkwy
Cushing Pkwy
Washington Blvd
Paseo Padre Pkwy
Ridgewood Dr
Cabral Dr
Cabrillo Dr
Logan Dr
Sundale Dr
Granville Dr
Albrae St
Osgood Rd
Mission Blvd
Palm Ave
Lakeview Blvd
Union City Blvd
Lowry Rd
Deep Creek Rd
Siward Dr
Dyer St
Jean Dr
Jarvis Ave
State Route 84
COYOTE HILLS
111 ft
5 ft
28 ft
290 ft
4 ft
Esri, USGS | California State Parks, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA,

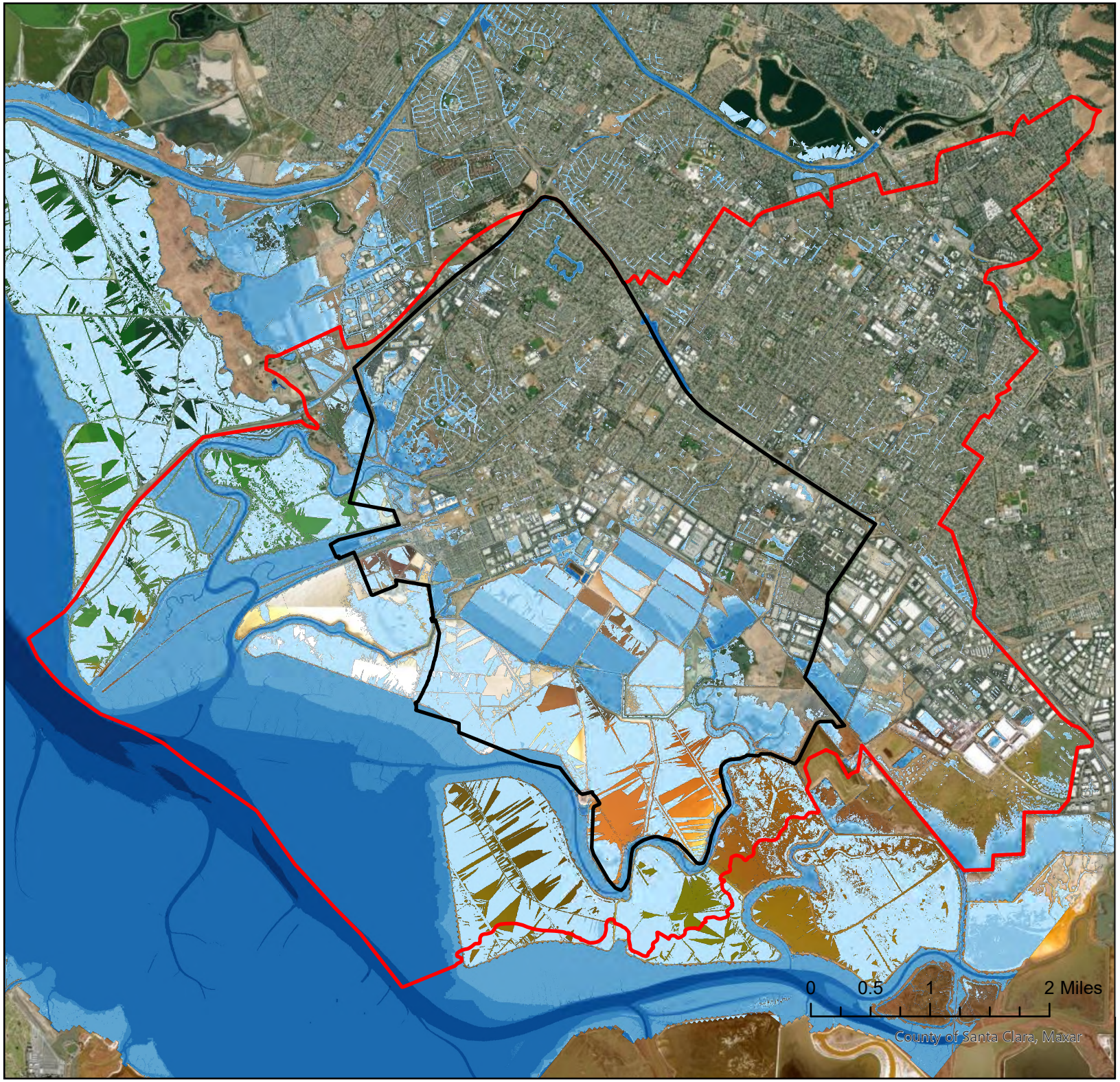

Legend
Open Water
Tidal Marsh
77" SLR: Coastal Flooding (BCDC Adapting to Rising Tides)
77" SLR: Emergent Groundwater
77" SLR: Coastal Flooding & Emergent Groundwater
77" SLR: Groundwater Within 6ft of Ground Surface
Fremont
Newark
Low Confidence
Mowry Landing
Alameda Creek
Plummer Creek
Dumbarton Brg
Perry Rd
Fremont Blvd
Cedar Blvd
Cabral Dr
Cabrillo Dr
Logan Dr
Blacow Rd
Sundale Dr
Washington Blvd
Paseo Padre Pkwy
Palm Ave
Osgood Rd
Central Ave
Cherry St
Thornton Ave
Granville Dr
Albrae St
Auto Mall Pkwy
Cushing Pkwy
Warm Springs Blvd
Marshlands Rd
Jarvis Ave
State Route 84
Ridgewood Dr
Deep Creek Rd
Mission Blvd
Dyer St
Joan Dr
Mowry Rd
Alameda Creek
COYOTE HILLS
111 ft
5 ft
28 ft
290 ft
4 ft
Esri, USGS | California State Parks, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land Management, EPA, NPS

Appendix C

Model Results


N
Coastal Storm Scenario - Present (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
City of Newark
Mowry OLU
0
0.5
1
2 Miles
County of Santa Clara, Maxar

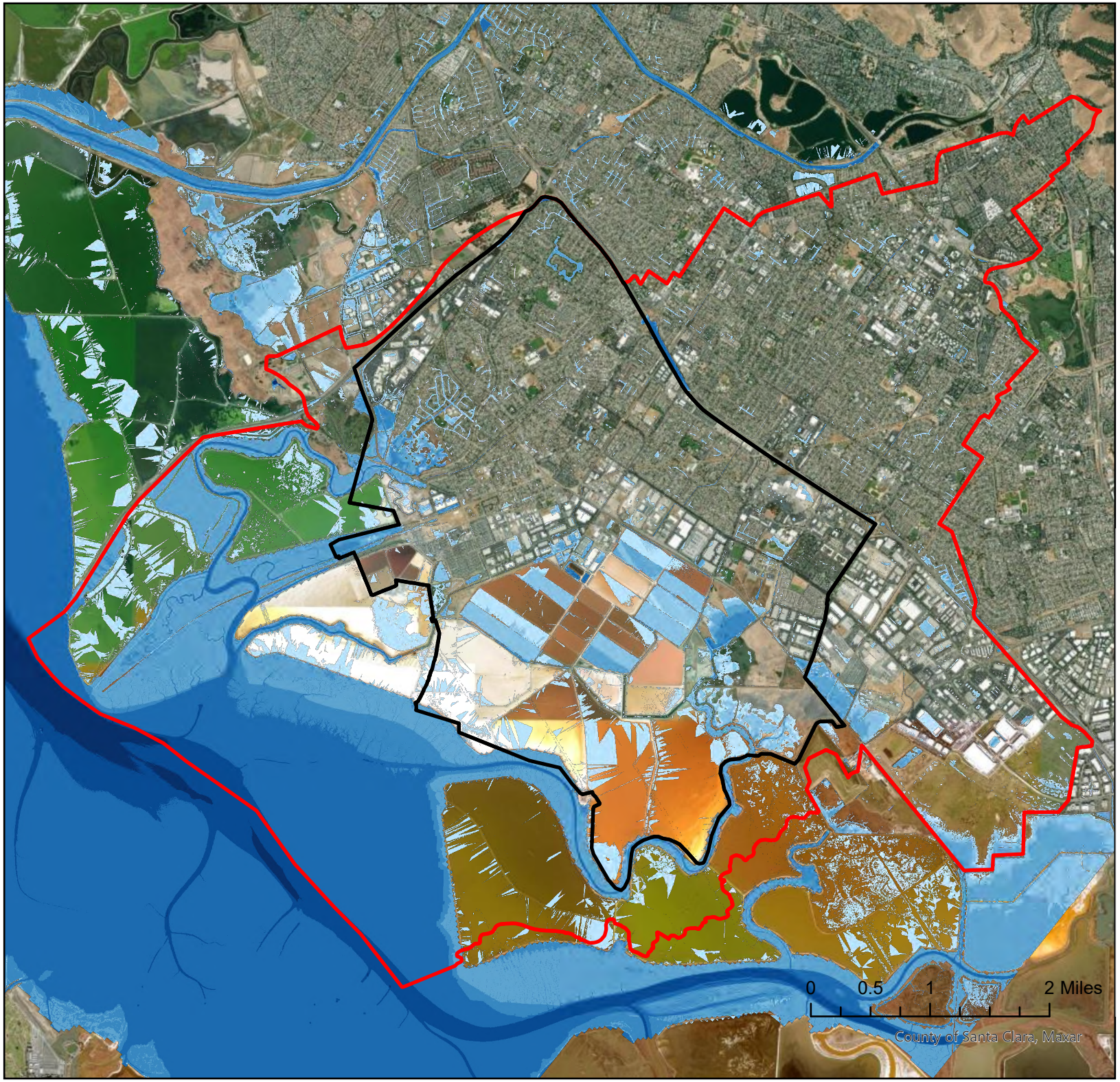

N
Inland Storm Scenario - Present (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
City of Newark
Mowry OLU
0
0.5
1
2 Miles
County of Santa Clara, Maxar

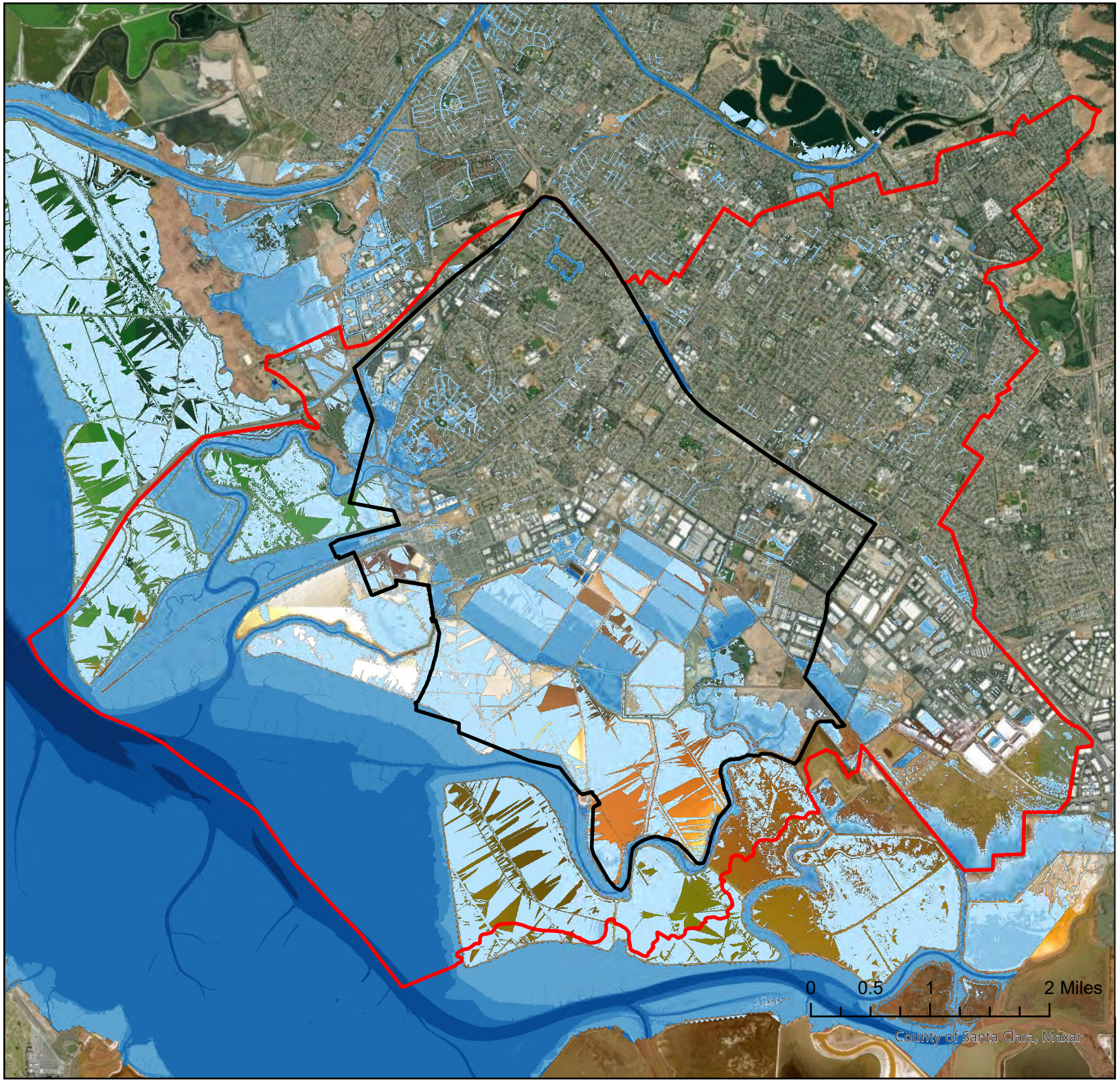


2050 Inland Storm Maximum Flood Depth (ft)

Value

- 0 - 0.5
- 0.5 -1
- 1- 2
- 3 - 4
- 5 - 8
- 9 - 16
- 17 - 32
- 33 - 64
- City of Newark
- Mowry OLU


N
2050 Coastal Storm Maximum Flood Depth (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
Mowry OLU
City of Newark
0
0.5
1
2 Miles
County of Santa Clara, Maxar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2050 Inland Storm Maximum Flood Depth (ft)
Value
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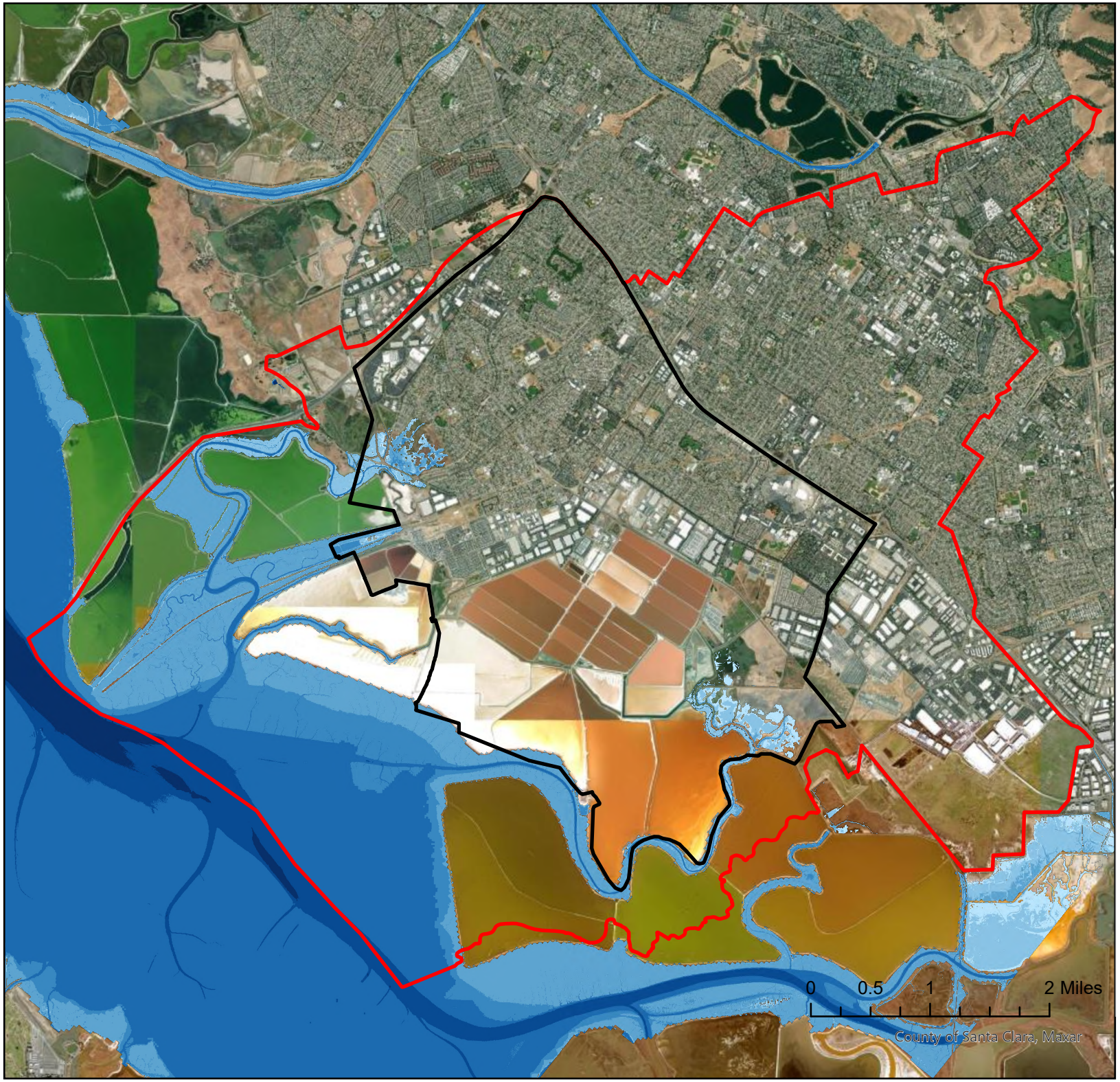
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
Mowry OLU
City of Newark
0
0.5
1
2 Miles
County of Santa Clara, Maxar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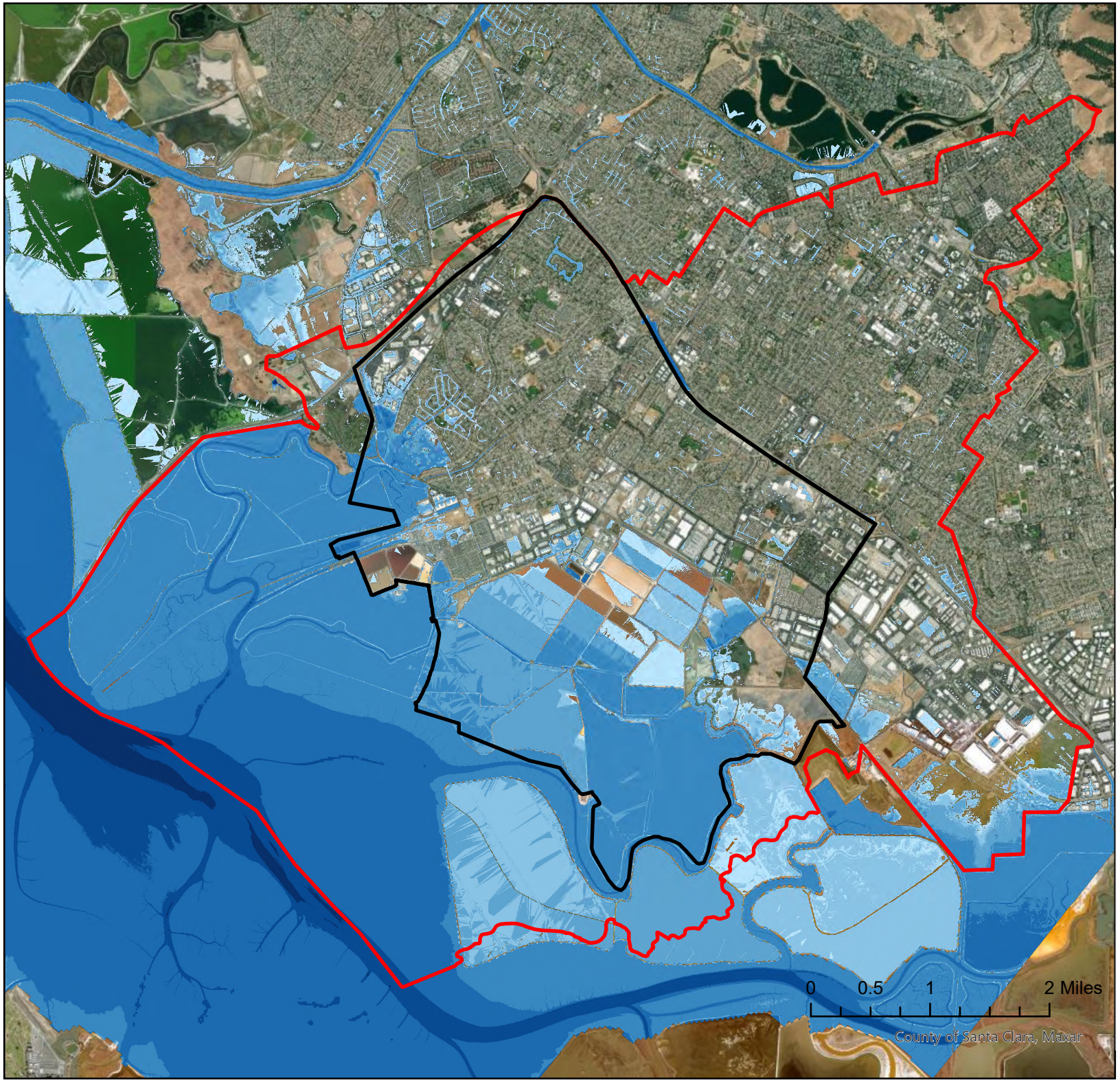
2100 SLR 3.1 ft: Permanent Inundation (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
City of Newark
Mowry OLU
0
0.5
1
2 Miles
County of Santa Clara, Maxar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Value
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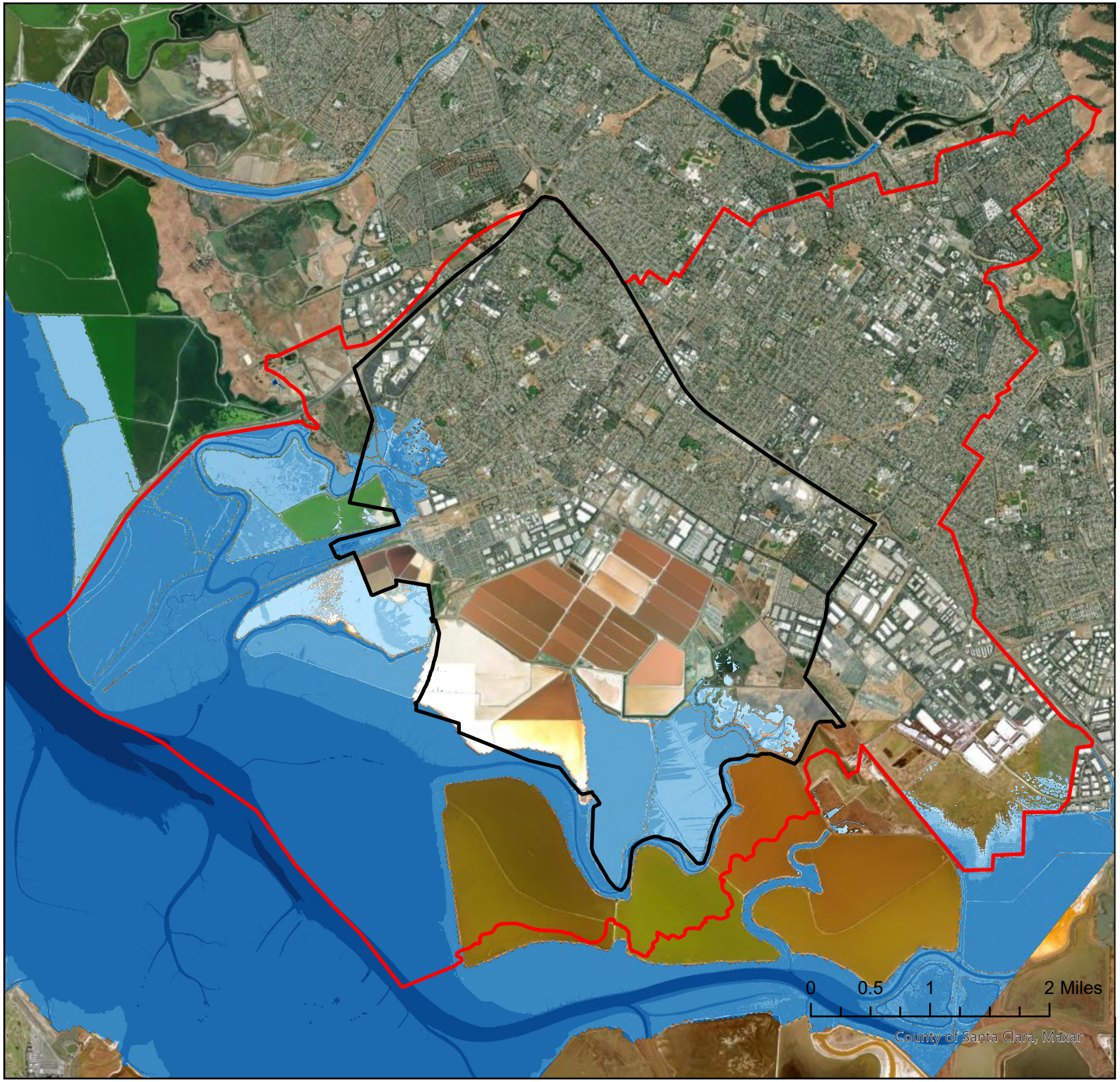
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
Mowry OLU
City of Newark
0
0.5
1
2 Miles
County of Santa Clara, Maxar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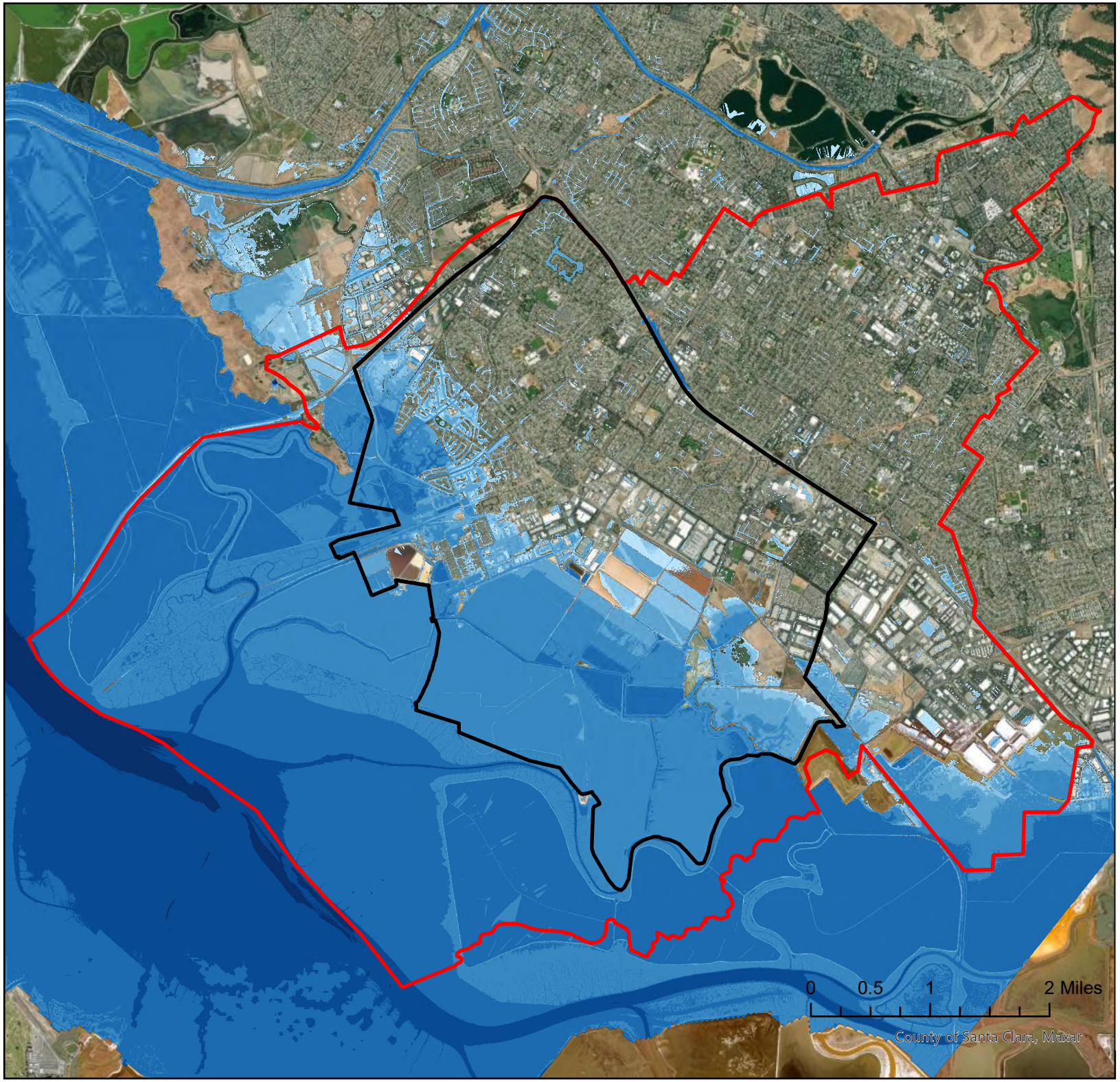
2100 SLR 4.9 ft: Permanent Inundation (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
City of Newark
Mowry OLU
0
0.5
1
2 Miles
County of Santa Clara, Maxar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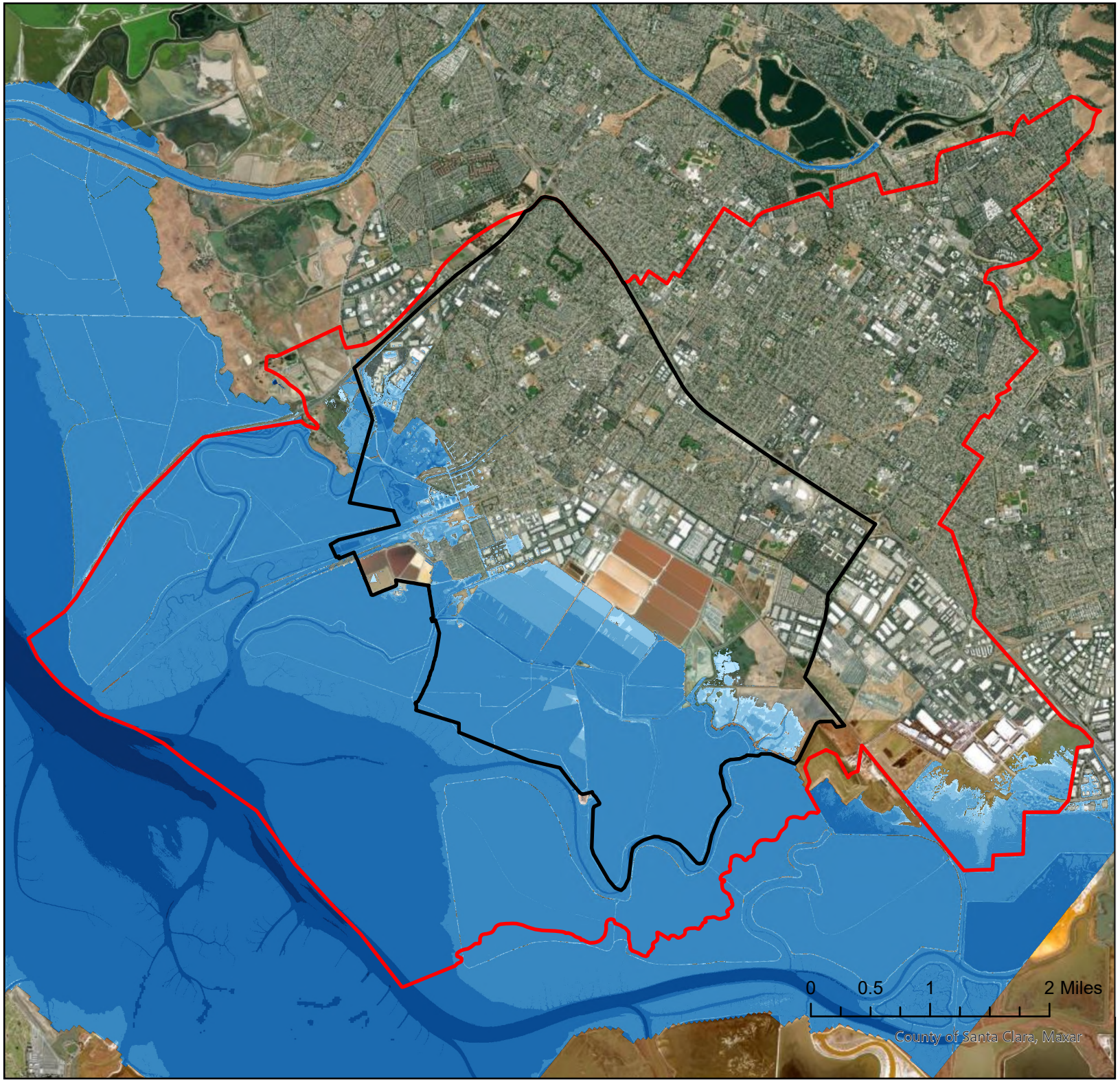
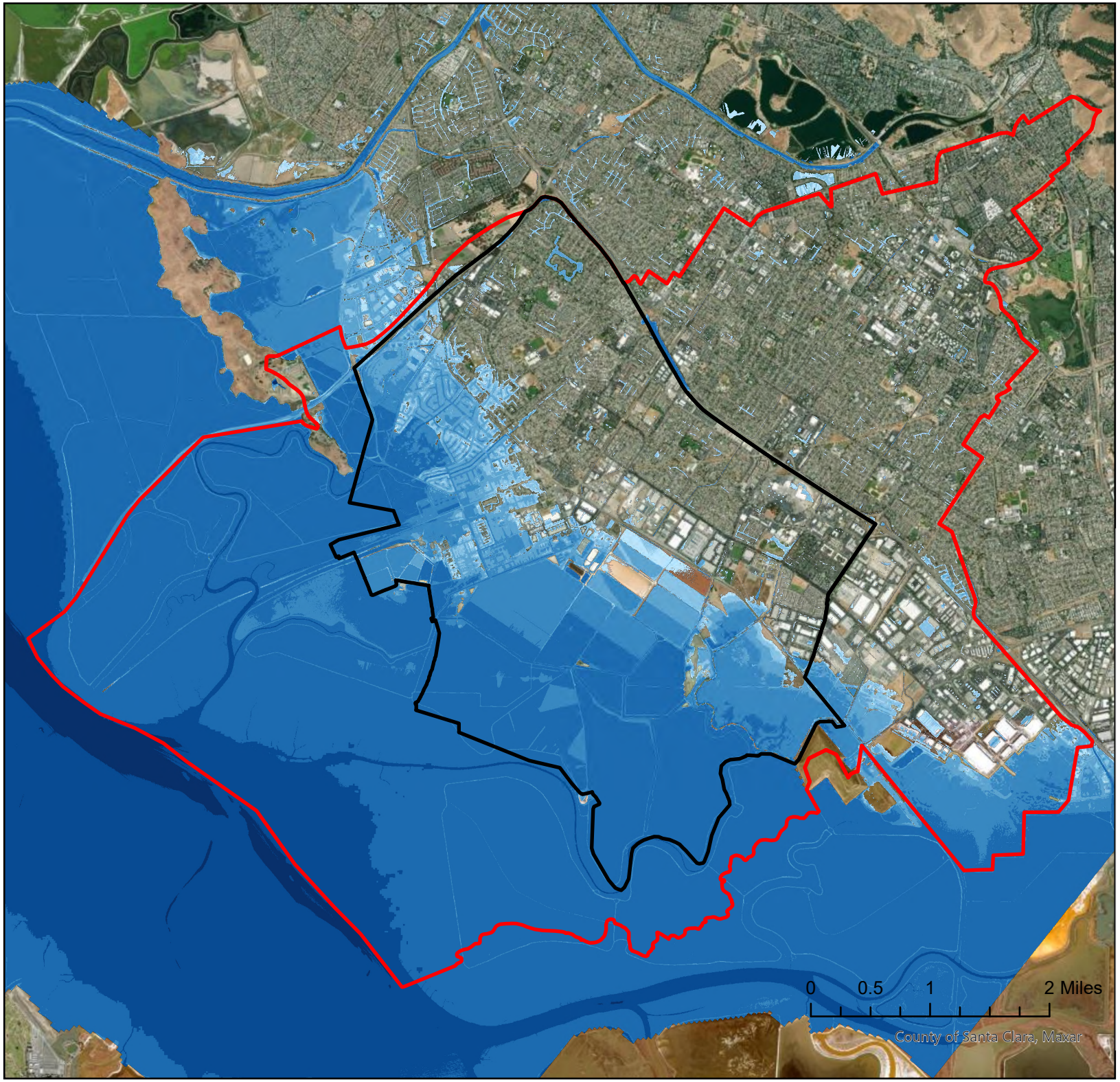
2100 Coastal Storm, 4.9 ft SLR, Maximum Flood Depth (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
Mowry OLU
City of Newark
0
0.5
1
2 Miles
County of Santa Clara, Maxar


N
2100 SLR 6.6 ft: Permanent Inundation (ft)
Value
0 - 0.5
0.5 -1
1- 2
3 - 4
5 - 8
9 - 16
17 - 32
33 - 64
City of Newark
Mowry OLU
0
0.5
1
2 Miles
County of Santa Clara, Maxar



2100 Coastal Storm, 6.6 ft SLR, Maximum Flood Depth (ft)

Value

- 0 - 0.5
- 0.5 -1
- 1- 2
- 3 - 4
- 5 - 8
- 9 - 16
- 17 - 32
- 33 - 64
- Mowry OLU
- City of Newark

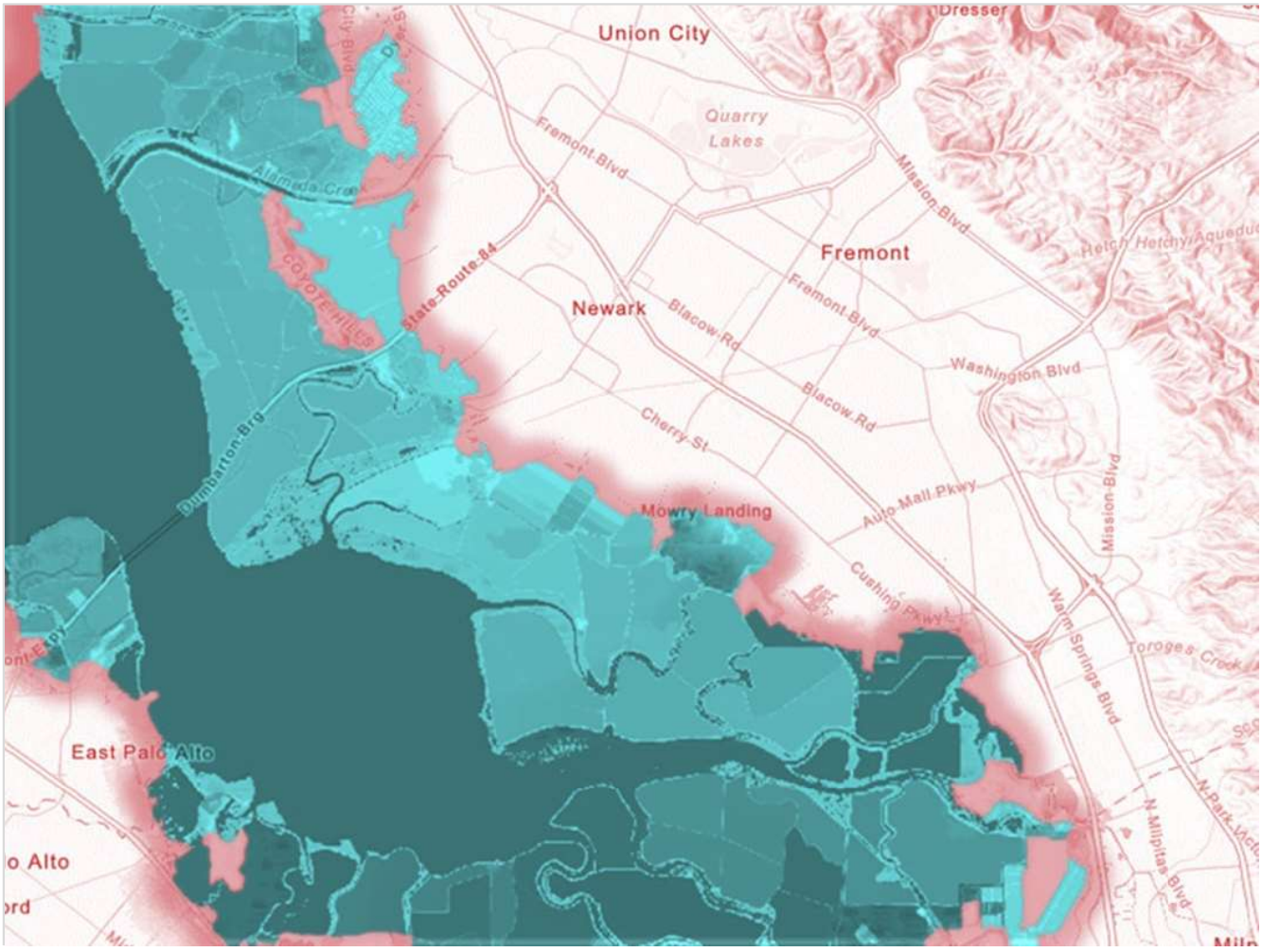
ARUP

City of Newark

Sea Level Rise Vulnerability Assessment

Vulnerability and Risk Assessment Report

Draft | April 29, 2025



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Job number 304252-00

Arup US, Inc.
560mission Street, Suite 700
San Francisco, CA 94105
USA
arup.com

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Appendices

Appendix A
Zoning in Fremont
Zoning in Newark

Appendix B
EPA Queried Facility Registry Sites (FRS Sites) in Newark and Fremont
Water Board Sites

Appendix C
FloodAdapt Output Maps

Key Terms & Acronyms

Acronyms	Full Form
ac	acres
ACWD	Alameda County Water District
BCDC	San Francisco Bay Conservation Development Commission
CEC	California Energy Commission
CI	CalEnviroScreen 4.0 Indicator
DEM	digital elevation model
EPA	US Environmental Protection Agency
FFE	finished floor elevation
FRS	Facility Registry Service
MHHW	Mean Higher High Water
mi	miles
MTC	Metropolitan Transportation Commission
NAVD88	North American Vertical Datum of 1988
NSI	National Structure Inventory
OEHHA	California Office of Environmental Health Hazard Assessment
OLU	Operational Landscape Unit
SFEI	San Francisco Estuary Institute
SLR	sea level rise
SVI	social vulnerability index
the City	the City of Newark
USACE	U.S. Army Corps of Engineers
Water Board	San Francisco Bay Regional Water Quality Control Board

Executive Summary

Flooding, sea level rise (SLR), and strong storms are growing threats for the City of Newark (the City). This study analyzes how these risks could affect the City's infrastructure, communities, and natural areas. This analysis focuses on identifying what is at risk, like homes, roads, and wetlands, and estimating the potential damage.

Detailed flood maps show which areas might be permanently or regularly inundated in the future if no action is taken. These maps, described in the *Flood Modeling Report*, provided the foundation for the vulnerability and risk assessment presented here.

To better understand flood impacts, this study applied a planning tool called FloodAdapt, which brings together flood maps, infrastructure and building data, and information on potential damage and consequences. For analyzing SLR scenarios, any asset located below the future projected daily high tide line was assumed to be regularly flooded and treated as a total loss. To consider storm scenarios, damages based on modeled flood depths were estimated using industry-standard "depth-damage curves," which relate water depth to the expected cost of damage.

This process helped estimate not only potential financial losses, but also identify which neighborhoods, facilities, and ecosystems are most at risk. The results of this risk analysis describe the cost of no action and help lay the groundwork for future adaptation planning.

Key Findings

This analysis provides a clear picture of what is at stake for the City—today, mid-century, and by the end-of-century. The findings below highlight the scale of potential impacts, which grow significantly over time and underscore the urgency of proactive planning.

Four SLR scenarios were applied: one representing mid-century conditions (0.8ft) and three representing end-of-century conditions (3.1ft, 4.9ft, 6.6ft). This approach captures the range of reasonable uncertainty by 2100 and aligns with state and regional standards for this type of analysis, including guidance from BCDC.

Table 1 summarizes the assets exposed to SLR for each of the four scenarios. The listed assets would be flooded under daily high tides, which the report also calls quasi-permanent inundation, as assets in the tidal zone would be inundated only part of the time. The results significantly increase from the 2050 scenario to the end-of-century scenarios, described more following the tables.

Table 1 Summary of quasi-permanent flood impacts from future SLR scenarios

Asset Type (units)	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Buildings (count)	10	50	490	2,200
Roads and trails (mi)	10	20	50	60
Rail lines (mi)	2	3	5	6
Sewer lines (mi)	1	4	11	17
Sewer system (count)	0 manholes 0 pump/lift station	130 manholes 1 pump/lift station	650 manholes 2 pump/lift stations	980 manholes 2 pump/lift stations
Electrical substations (count)	0	1	1	1
Transmission lines (mi)	4	20	30	40
Population in impacted census blocks (count)	23,000	23,000	23,000	29,000
Contamination sites (count)	1	1	1	20
Wetland area (ac)	8,000	8,500	8,600	8,900
Total zoning area (ac)	4,100	4,700	7,900	12,000

The estimated losses from quasi-permanent inundation are tabulated in Table 2. These values assume that the exposed assets, which would experience flooding under daily high tides, are a total loss, which is a conservative assumption as some amount of partial loss is plausible.

The sum shows $71M of impacted assets by 2050. The value increases by a factor of six by end-of-century under 3.1ft SLR and may be as much as $3.8B with 6.6ft SLR. These values assume all assets exposed, including those exposed to daily high tides under future SLR, are a total loss, which may conservatively overestimate impacts. This analysis forms a foundation upon which to evaluate cost-related benefits of adaptation strategies.

Table 2 Total estimated cost of SLR, in millions of dollars, given exposed assets are considered a total loss

Asset Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Buildings	$45	$200	$1,500	$3,100
Roads	$0	$70	$360	$490
Rail	$4.5	$7.5	$14	$17
Sewer	$1.7	$5.7	$22	$32
Power	$20	$115	$160	$180
Total Loss	**$71**	**$398**	**$2,056**	**$3,819**

Between now and 2050, the City faces limited but important early-stage risks from SLR, mostly affecting utilities and industrial infrastructure. The risks include:

- **Buildings**: Approximately 10 buildings are at risk of daily flooding, primarily industrial and public buildings.
- **Roads and Trails**: No permanent loss identified, but storm scenarios indicate significant flooding.
- **Rail Lines**: About 1.5mi of rail lines are expected to be quasi-permanently inundated.
- **Sewer System**: 1mi of active sewer lines and 5 sewer manholes would be flooded under high tides.
- **Power System**: 4mi of transmission lines are within flooded areas.

Between 2050 and 2100, the scale of risk increases dramatically across all sectors. The risks include:

- **Buildings**: By 2100, estimates range from about 50 to over 2,000 buildings impacted by daily flooding, depending on SLR ranging from 3.1ft to 6.6ft. There is a significant increase in residential and commercial buildings exposed.
- **Roads and Trails**: Approximately 5mi of roads and 15mi of trails could experience quasi-permanent inundation by 3.3ft SLR, increasing to 37mi and 23mi, respectively, by 6.6ft SLR.
- **Rail Lines**: Permanent inundation could affect 3mi to 6mi of rail lines.
- **Sewer System**: 4-17mi of active sewer lines and up to 1,000 sewer manholes could be exposed to permanent inundation from SLR or daily flooding in the tidal zone.
- **Power System**: 20mi to 40mi of transmission lines and one electrical substation could be quasi-permanently inundated.

Next Steps

The upcoming phase will focus on developing adaptation measures for key areas at risk, engaging the public, and incorporating feedback to prioritize actions and develop an adaptation strategy for the City.

1. Introduction

The City of Newark has initiated a comprehensive *Sea Level Rise Vulnerability Assessment and Adaptation Strategy* to address the challenges posed by rising sea levels and associated flooding risks. This project aims to develop a robust understanding of the City's flood risks and to formulate effective adaptation strategies. The study area encompasses the Mowry Operational Landscape Unit (OLU) which includes the entire City of Newark and portions of Fremont. Refer to the *Flood Modeling Report* for additional details on the flood hazard modeling approach and results. This report documents the approach and initial findings from the vulnerability and risk assessment. The upcoming phase will focus on adaptation strategies for key areas at risk.

Prior to this effort, the City conducted a Local Hazard Mitigation Plan effort with Union City and the City of Fremont which highlighted the need for this project. This project represents the first critical step in the adaptation planning process for the City by establishing a baseline understanding of pertinent flooding risks using industry best practices and methods. This understanding is essential for the second step, which involves developing risk-informed adaptation strategies and identifying potential partners for implementation.

This report summarizes the vulnerability and risk assessment model development, results, and conclusions. The assessment includes impacts on infrastructure, residents, business and the environment from flood hazards, including quantification of the number of assets at risk and estimated costs.

1.1 Study Area

The study area covers the Mowry OLU, which includes the entire City of Newark as well as portions of Fremont (Figure 1). The study area includes approximately 15mi of shoreline along the San Francisco Bay. The model extent is slightly larger than the Mowry OLU to ensure full coverage of Newark's infrastructure and flood pathways, including areas just beyond the OLU boundary that influence local flood dynamics.



Figure 1 Study area, model extents, and jurisdictions

1.2 Vulnerability and Risk Assessment Approach

A flood hazard model of the Mowry OLU, which includes the City of Newark, was developed for both present and future SLR and storm scenarios. Four main types of flood scenarios were modeled for this project:

- **Present Coastal Storm Scenario:** This scenario is defined in this study as the 100-year coastal event which considers tides and storm surges occurring simultaneously with a 10-year inland event which considers rainfall.
- **Present Inland Storm Scenario:** This scenario is defined in this study as the 100-year inland event which considers rainfall occurring simultaneously with a 10-year coastal event which considers tides and storm surges.
- **Tidal (Quasi-Permanent) Inundation:** These scenarios are defined by MHHW, which represents a typical high tide that serves as a proxy for everyday flooding. When modeling future MHHW with different SLR scenarios, the resultant maps provide useful tools for planning.
- **Future Coastal Storm Scenario:** The future Storm Scenarios evaluate the maximum of the coastal storm scenario and the inland storm scenario to represent extreme but plausible combined storm scenarios. Rainfall for the future events comes from future climate projections of precipitation.

These scenarios are summarized in Table 3. The scenario development and hazard outputs are detailed in the *Flood Modeling Report*.

Table 3 Summary of flood hazard scenarios run through the model

Time Horizon	Scenarios
Present	• Coastal Storm Scenario: 100-year coastal + 10-year inland • Inland Storm Scenario: 100-year inland + 10-year coastal
Mid-century (2050)	• 0.8ft SLR – Quasi-permanent Inundation – Future Coastal Storm
End-of-century (2100)	• 3.1ft SLR (Intermediate Scenario) – Quasi-permanent Inundation – Future Coastal Storm • 4.9ft SLR (Intermediate-High Scenario) – Quasi-permanent Inundation – Future Coastal Storm • 6.6ft SLR (High Scenario) – Quasi-permanent Inundation – Future Coastal Storm

The exposure of infrastructure, communities, and the environment to flooding was evaluated by intersecting their locations with the flood inundation extents using GIS. The vulnerability and risk assessment identified assets that are exposed to flooding in the storm and SLR scenarios, considering flood depth and potential damage. For building assets, damage was estimated using a depth-damage curve assigned to each asset, like apartment buildings or commercial businesses. As pictured in the center of Figure 2 and defined further in Section 2.4.2, depth-damage curves map the percentage of damage to the inundation depth for these assets. Percent damage was directly related to financial loss for each asset for the storm scenarios, also shown in Figure 2. For SLR scenarios without storm, 100% damage was assumed.

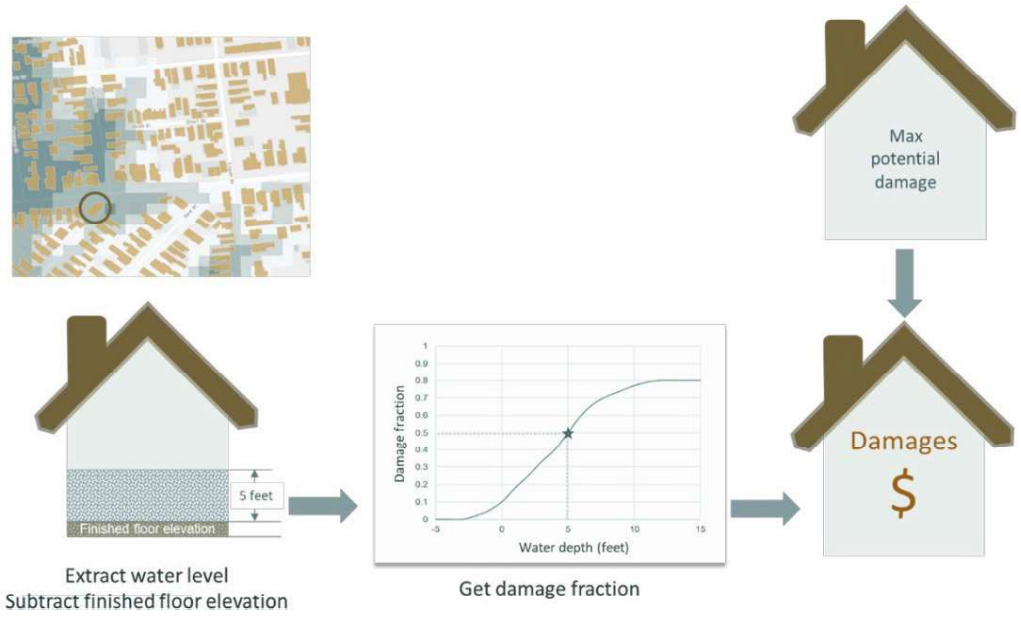

Figure 2 Overview of the calculation framework in Delft-FIAT, depicting the input of damage curves and asset data

Risk was assessed using a scenario-based approach to evaluate the impact of flooding under each SLR and storm scenario. The financial losses of damage to physical infrastructure and buildings were estimated within FloodAdapt for the SLR scenarios, building on the assessment of exposure, damage, and vulnerability.

2. Vulnerability and Risk Model Development

This section describes the development of the vulnerability and risk model using FloodAdapt. The sections capture:

- **Software and tools** used to conduct the assessment
- **Scenarios** modeled
- **Key model inputs** collected from best available public datasets and incorporated into the modeling
- **Assumptions and limitations** made to develop these models

2.1 Software and Tools

Delft-FIAT is a Python-based tool developed to rapidly assess direct economic impacts to buildings, utilities, and roads for user-input flood maps. Delft-FIAT utilizes a unit-loss method similar to the Hazus tool by the Federal Emergency Management Agency. This report is focused on the inputs and outputs of the Delft-FIAT model that supported the vulnerability and risk assessment.

FloodAdapt is a decision-support tool that seeks to advance and accelerate flooding-related adaptation planning. A FloodAdapt model was configured with flood hazard, vulnerability, and risk results (Figure 3). It will be used to model adaptation strategies.

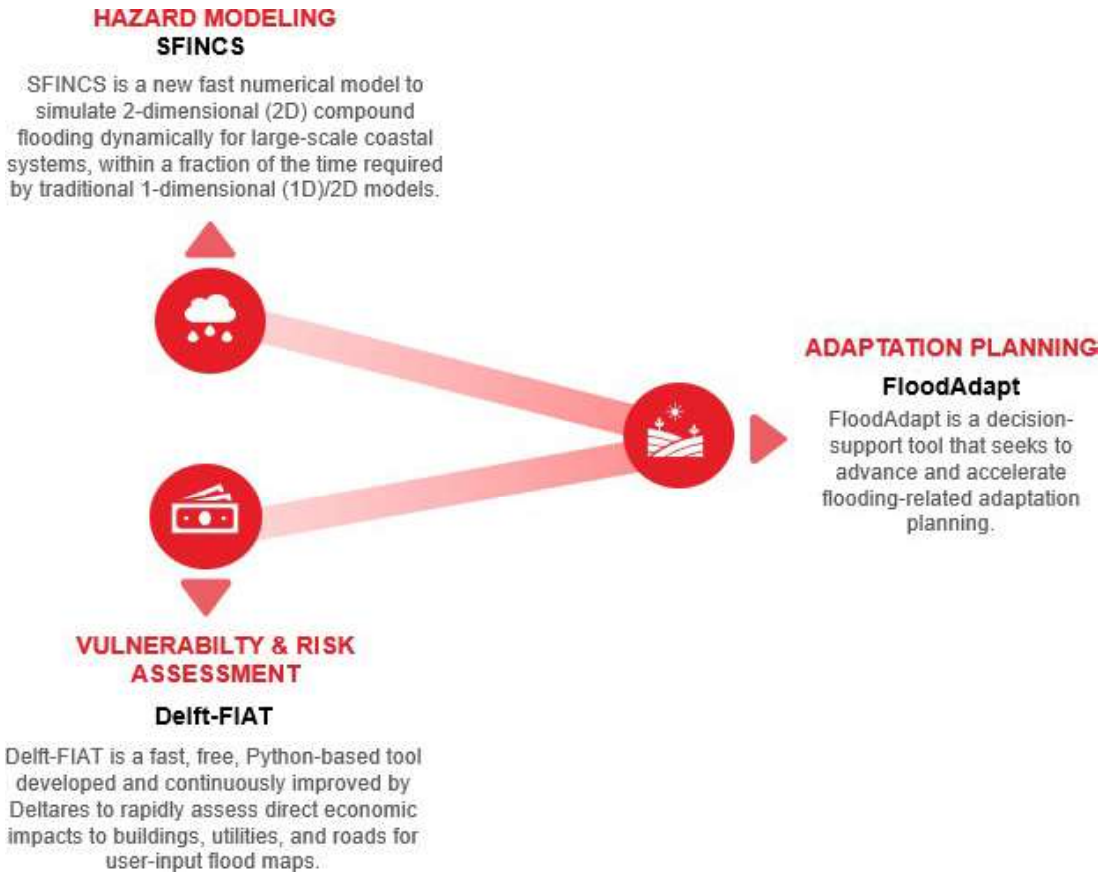

Figure 3 Interaction between models and tools

2.2 Scenarios Modeled

Ten flood scenarios were modeled as summarized in the *Flood Hazard Report*, encompassing the study area and evaluating timeframes for present-day, mid-century, and end-of-century conditions. The models cover four SLR scenarios and two storm scenarios, summarized in Table 3. Quasi-permanent inundation maps refer to areas inundated under Mean Higher High Water (MHHW) for that SLR scenario. For more detail on the flood hazard scenarios please review the *Flood Hazard Report*.

2.3 Data Collection and Sources

Existing data and models were collected and developed to provide a tailored analysis for the City. Data was provided by the City as well as from local agencies, such as the Alameda County Flood Control District, San Francisco Bay Regional Water Quality Control Board (Water Board), Metropolitan Transportation Commission (MTC), and San Francisco Estuary Institute (SFEI). Datasets from state and national sources were also used, such as U.S. Army Corps of Engineers (USACE) National Structure Inventory (NSI), California Energy Commission (CEC), U.S. Environmental Protection Agency (EPA), and the California Office of Environmental Health Hazard Assessment (OEHHA). The sources are detailed in Table 5. Publicly available data was also collected and reviewed. Table 4 summarizes the data requests, data sources, and the availability of the data. Unavailable data is defined as data not received from the City of Newark and not readily available online.

Table 4 Data and data sources

Available Data	Unavailable Data
• Building Data • Population Data • Land Use Data • Zoning Data • Roadway Data • Rail Line Data • Power System Data • Sanitary System Data • Emergency Facility Data • Landfill Data / Contaminated Sites • Trail Data • Community and Public Health Data • Community Facilities • Wetland Data • Vulnerable Communities Data	• Transit System: Bus lines, yards, transit hubs • Water System: Water distribution system and pumps and treatment plants • Economic Impact Data: Economic activities, property values, and potential economic loss information • Infrastructure Improvements: Planned infrastructure improvement projects • O&M: Ongoing maintenance/replacement schedules, e.g. road repaving projects or culvert/bridge replacement. • Existing Cost-Benefit Analysis: Economic evaluation of proposed/existing adaptation measures. • Feasibility Assessment: Technical and logistical feasibility of proposed/existing adaptation measures. • Proposed Adaptation Measures: Potential strategies for mitigating risks and adapting to SLR. • Planning Documents: Current comprehensive plans, hazard mitigation plans, and climate adaptation plans

2.4 Vulnerability and Risk Assessment Key Model Inputs

The FloodAdapt software was used for the vulnerability and risk assessment using inputs collected primarily from publicly available sources. The inputs and their sources are discussed in this section.

2.4.1 Flood Hazard Data

The results presented in the Flood Hazard Report were used to feed into the vulnerability and risk assessment. Delft-FIAT overlays spatial data on flooding and exposed assets to calculate flood damages, as depicted in Table 5. The results from the *Flood Modeling Report* are summarized below. Details from these results and high-resolution flood maps can be referenced there.

Present Day

- The berms around the salt farms provide a level of protection against coastal flooding and the berms are not overtopped in either of the present-day scenarios.

- The Inland Storm Scenario has wider flood inundation extents and has a greater impact in residential and commercial areas, particularly within the City of Newark boundary, compared to the Coastal Storm Scenario which is concentrated in areas closer to the bay.

Mid-century (2050)

- Quasi-permanent Inundation:
  - The quasi-permanent inundation results depict limited areas of impact, with localized parts flooding in the northwest and southeast of the City.
- Storm Scenario:
  - When considering the Storm Scenario in addition to the quasi-permanent conditions, the flooding becomes more widespread, particularly in the salt farms.

End-of-century (2100)

- Quasi-permanent Inundation:
  - 3.1ft SLR to 4.9ft SLR: Similar flood extents with limited areas of impact similar to mid-century, localized flooding in the northwest and southeast of the City. Maximum flood depth increases at 4.9ft SLR.
  - Tipping point (4.9ft to 6.6ft SLR): The flood hazard report identified a "tipping point" in the results where the increase in sea level result in disproportionately large and often irreversible impacts. At this stage, significant day-to-day impacts from quasi-permanent inundation begin, with berms overtopped.
  - 6.6ft SLR: Significantly larger portion of developed areas impacted, requiring widespread mitigation.
- Storm Scenario:
  - When considering the Storm Scenario in addition to the quasi-permanent conditions, the tipping point for widespread flooding occurs with 3.1ft SLR, which could occur in a nearer timeframe than the quasi-permanent inundation tipping point.
  - In particular, the salt farms and in the developed areas in the northwest of the City experience the most flooding. Inland flooding also occurs in pockets throughout the residential neighborhoods in this scenario.

2.4.2 Asset Data

The vulnerability model assesses the exposure of different asset types to flood inundation, and it considers how those assets may be damaged. Assets in this assessment include buildings (residential, commercial, industrial, and public), roads, utility infrastructure (power and sewer), landfills, and wetlands. Data was collected where available about their location and characteristics (e.g., building use type) to inform the vulnerability and risk assessment. This information is summarized in Table 5.

Table 5 Summary of key model inputs for the assets

Asset Type	Asset Name (Subtype)	Data Source	Data Type	Vulnerability Curve	Cost Data
Building Data	Building centroids (points)	NSI (USACE)	Point	Arup	NSI (USACE)
Population Data	Equity Priority Communities (areas)	MTC	Polygon	N/A	N/A
Zoning Data	Zoning (areas)	City of Newark and City of Fremont	Polygon	N/A	N/A
Roadway Data	Roadways (lines)	City of Newark and OSM	Polyline	Arup	N/A
Rail Line Data	Rail lines (lines)	City of Newark	Polyline	Arup	Arup
Sanitary System Data	Manholes (points) Power/Lift Stations (points) Easements (points) Mains (lines)	Union Sanitary District	Points and Polylines	Arup, HAZUS	Arup
Power System Data	Electrical substations (points)	CEC	Points	Arup, HAZUS	PG&E
	Transmission Lines (lines)	CEC	Lines	Arup, HAZUS	PG&E
Emergency Facility Data	Police stations (points) Fire stations (points)	City of Newark and City of Fremont	Point	Arup	Arup, NSI (USACE)
Landfill Data / Contaminated Sites	Facility Registry Service Sites (points) Water Board sites (points)	EPA and Water Board	Point	N/A	N/A
Trail Data	Bike trails (lines) Pedestrian trails (lines)	MTC	Line	Arup	N/A
Public Health Facilities	Hospitals (points) Care centers (points)	City of Newark and City of Fremont	Point	Arup	Arup, NSI (USACE)
Community Facilities	Libraries (points) Schools (points) Community/civic centers (points) Other public use buildings (points)	City of Newark and City of Fremont	Point	Arup	Arup, NSI (USACE)
Wetland Data	Wetlands (areas)	SFEI	Polygon	N/A	N/A
Vulnerable Communities Data	Vulnerable communities (areas)	CA OEHHA	Polygon	N/A	N/A

Point and linear assets were assessed quantitatively via FloodAdapt. Point assets are combined as an input "Buildings" dataset, while linear assets were combined as an input "Roads" dataset to be used in FloodAdapt. These datasets went through a pre-processing stage to combine all point assets together and all linear assets together. Preprocessing included the following:

- There was overlap in the NSI dataset and other provided buildings above, a pre-processing step was done to filter buildings that overlapped one another within a 30ft radius.
- Linear assets were segmented into 500ft increments to provide more granularity to results as the centroid digital elevation model (DEM) value is assigned to each feature.

The unavailable assets listed in Table 3 were excluded from this analysis. Should datasets become available in the future, they can be uploaded to the model via the FloodAdapt interface after preprocessing the data into exposure and vulnerability datasets.

Area features were assessed qualitatively through a geospatial analysis. To do this assessment, the flood maps were turned into polygons and overlaid with areas to determine percent flooding and exposure to land and people.

Asset Vulnerability Data

Depth-damage curves are used to estimate the damage to assets based on the depth of flooding, as shown in Figure 4. These curves relate the depth of water to the percentage of damage, also used to estimate percentage of financial loss, for different asset types. The curves are derived from empirical studies (such as HAZUS) and detailed component-based models (such as Arup). Data sources for the vulnerability curves for each asset are listed by type in Table 5.

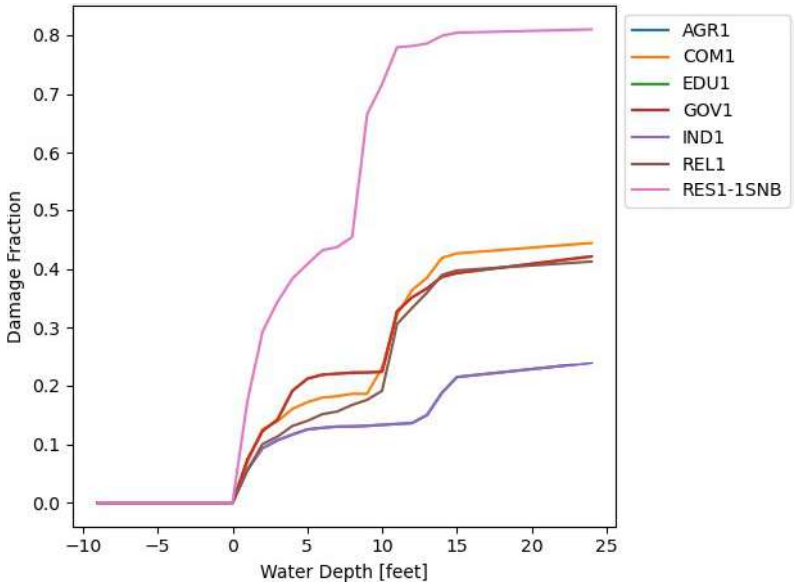

Figure 4 Example vulnerability curves used in FloodAdapt showing a set of depth-damage curves (Arup)

The implementation of vulnerability curves required several assumptions. These details are summarized in Table 6.

Table 6 Asset types and vulnerability curve implementation

Asset Type	Vulnerability Curve Implementation
Points	The finished floor elevation (FFE) for buildings was used from the USACE NSI database. Where FFE was not available, it was assumed to be 0.5ft above the ground. All other point assets were assumed at-grade (0ft above the ground).
Lines	All linear assets were assumed to be at-grade (0ft above the ground).
Areas	All area assets were assumed to be at-grade (0ft above the ground).

Asset Cost Estimate Data

As shown in Table 5, values of each asset used cost data from several sources, including the NSI database (USACE, 2022) for most buildings, PG&E data for power system infrastructure, and Arup-developed cost data for the remainder of assets whose costs were assessed. These cost estimates should be considered as rough order of magnitude values to present a high-level estimate of potential financial losses under each scenario. The costs do not consider broader economic impacts.

2.5 Assumptions and Limitations

This analysis assumes that publicly available data and data provided by the City and sources listed below accurately represent existing conditions and infrastructure. Limitations include:

- The hazard model accuracy is dependent on the quality and resolution of the input data, such as topography, bathymetry, and rainfall.
- Damage values for buildings are based on depth-damage curves assigned based on the use type in the NSI dataset or overridden by a City-provided dataset if provided.
- Maximum damage values of assets are based on average values from previous studies or published reports for non-building assets.
- Flooding depth of linear assets are based on a DEM at a 500-meter resolution.
- The data may not account for recent changes or developments in the area, such as new construction or infrastructure changes.
- Results presented are based on the inputs discussed herein. There may be gaps in the data that could lead to incomplete analysis or conclusions.
- Results were rounded to two significant figures before summation.

3. Vulnerability and Risk Model Results

Vulnerability is defined as the combination of exposure and potential damage. **Exposure** refers to the extent to which various types of assets, such as physical structures, human populations, environmental resources, and economic entities, are subject to potential harm. **Potential damage** describes the possible extent of harm or loss that could occur if these exposed assets are affected, including physical destruction, human health impacts, environmental degradation, and economic losses. **Risk** focuses on these consequences for potential events, for this assessment in terms of cost information. Risk assessment involves evaluating the likelihood of an event occurring and the severity of its impact, here quantified in financial terms. Together, these concepts help in understanding and mitigating the potential adverse effects on assets and resources (Figure 5).

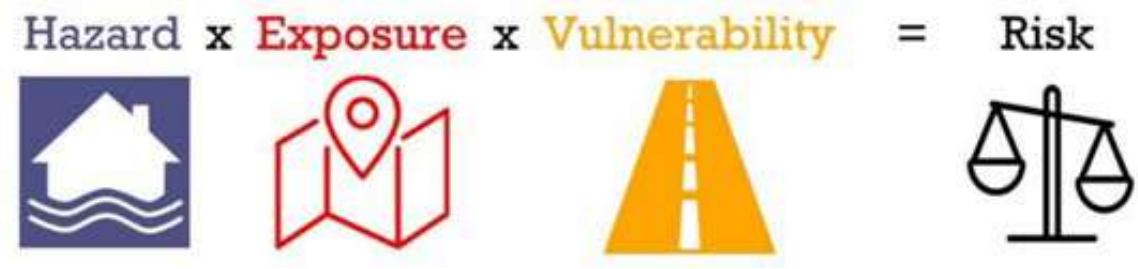

Figure 5 Vulnerability and risk relationship (Arup)

The results from the vulnerability and risk model results are presented in this section, first with a summary of results, followed by details of the qualitative and quantitative assessment performed.

3.1 Vulnerability Summary

Table 7 summarizes exposed assets for each SLR scenario, where the listed assets would be flooded under daily high tides (i.e., MHHW) at a minimum. The results significantly increase from the mid-century scenario to the end-of-century scenarios.

Table 7 Summary of vulnerable assets exposed under quasi-permanent inundation in each SLR scenario

Asset Type (units)	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Buildings (count)	10	50	490	2,200
Roads and trails (mi)	10	20	50	60
Rail lines (mi)	2	3	5	6
Sewer system (mi)	1	4	11	17
Sewer system (count)	0 manholes 0 pump/lift station	130 manholes 1 pump/lift station	650 manholes 2 pump/lift station	980 manholes 2 pump/lift station
Electrical substations (count)	0	1	1	1
Transmission lines (mi)	4	20	30	40
Socially vulnerable households	0	0	0	10
Contamination sites** (count)	1	1	1	20
Wetland area (ac)	8,000	8,500	8,600	8,900
Total zoning area (ac)***	4,100	4,700	7,900	12,000

**Contamination sites include those queried from the EPA Facility Registry Service Sites that fall under the Hazardous Waste Program, Superfund/Superfund National Priorities List, and Toxic Release Inventory Reporter within Fremont and Newark, along with sites provided by the Water Board.

***Total zoning area is defined as the land that is zoned per the cities of Newark and Fremont within the OLU

Under the coastal storm scenario, the number of exposed assets is much higher than considering SLR alone. Table 8 includes a high-level summary by SLR scenario with coastal storm for present and future time horizons resulting from the quantitative assessment.

Table 8 Summary of vulnerable assets exposed in present and future storm scenarios

Asset Type	Present-day (2025)	Mid-century (2050)	End-of-century* (2100)
Buildings (count)	180	200	1,900 to 4,600
Roads and trails (mi)	50	50	70-80
Rail lines (mi)	3	4	5 to 8
Sewer system (mi)	30	120	120 to 130
Sewer system (count)	600 manholes** 0 pump/lift station	500 manholes** 1 pump/lift station	1,120 to 1,370 manholes 2 to 3 pump/lift station
Electrical substations (count)	0	0	1
Transmission lines (mi)	20	30	35 to 40

*Range from multiple SLR scenarios modelled for end-of-century (3.1ft, 4.9ft, and 6.6ft).

**Reduction in flooding from present to 2050 is due to ponding in the model, where depths are below 4in. This applies to approximately 200 manholes in 2025 and 100 manholes in 2050.

3.2 Qualitative Results

The qualitative results in this section focus on people, contamination sites, habitats, and land exposed to daily high tides, a state referred to as quasi-permanent inundation, for each of the four SLR scenarios evaluated.

3.2.1 Population

The population density of census blocks in the Mowry OLU affected by each of the future SLR inundation scenarios is shown in Figure 6. This bivariate mapping conveys the population density of each census block and the percent area of each census block that is inundated. In a bivariate map, two variables are shown simultaneously using a combined color scale—here, population density and flood extent. Yellow areas are relatively more populated, blue areas have higher relative flooding, and the increasingly red values have both relatively more flooding and denser population. The census block data is from 2020.

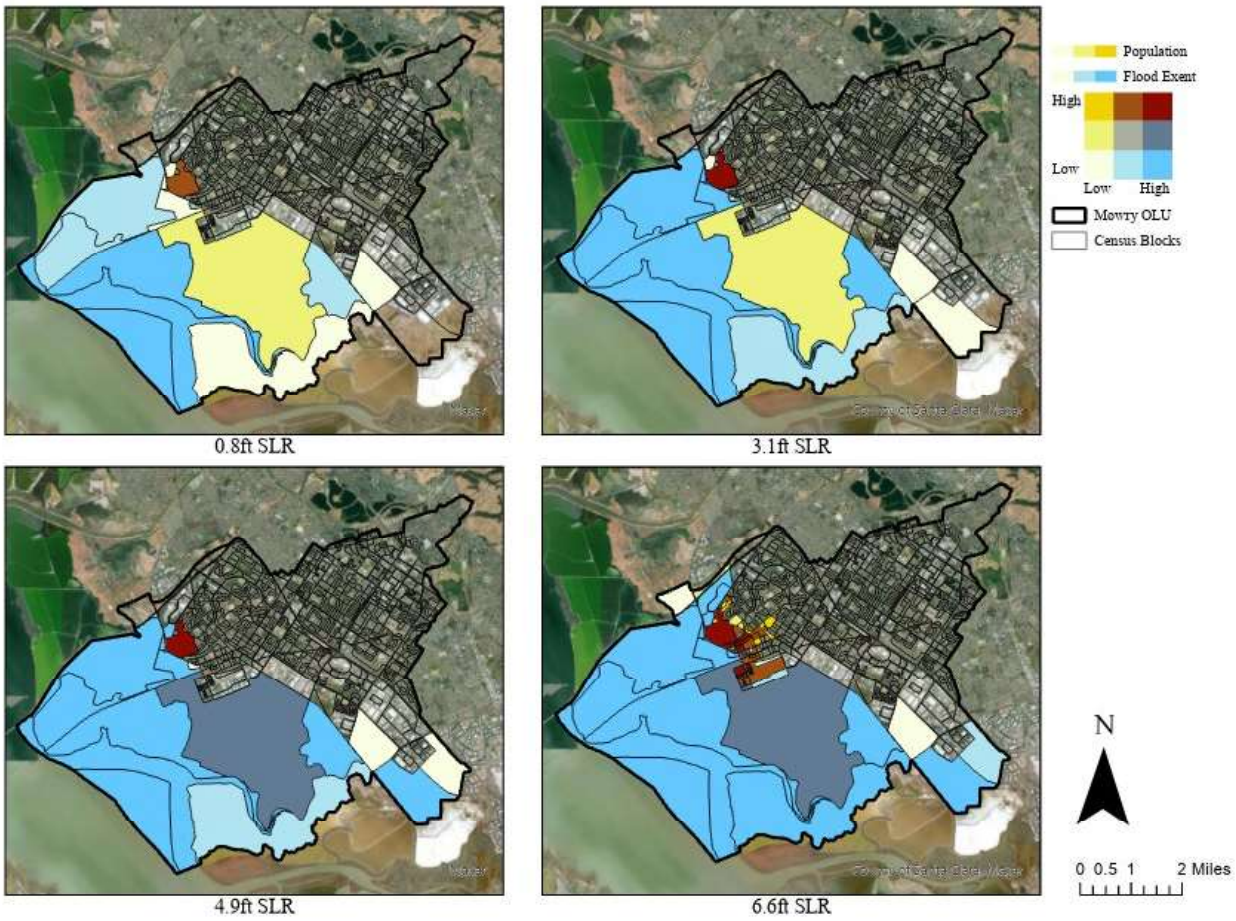

Figure 6 Census blocks affected by quasi-permanent flood levels with rising SLR

The most vulnerable census block is in the northwest portion of the study area in all future SLR scenarios. The tipping point from 4.9ft to 6.6ft inundation reveals that the most populous blocks within the City on the western side, consisting of approximately 5,800 people, are flooded daily by 6.6ft SLR and can be expected to be vulnerable during coastal storms earlier than 2100.

In addition to census population, flood extents were overlayed with regions of unique CalEnviroScreen 4.0 Indicator (CI) scores. This is a science-based mapping tool developed by the California EPA and the Office of Environmental Health Hazard Assessment. The map of the surrounding area and their CI scores is depicted in Figure 7. The CI scores incorporates various socioeconomic indicators, such as income, education, and housing conditions, to evaluate how these factors contribute to a community's susceptibility to pollution. Communities with higher social vulnerability often face greater health risks from environmental hazards due to limited resources and resilience.

Within FloodAdapt, a high social vulnerability is listed as social vulnerability index (SVI) > 0.6, and displacement is expected where inundation of homes exceeds 6ft. By 2050, approximately 40 homes with a high SVI score are expected to experience moderate flooding during the storm scenario, and displacement is not expected. For the 2100 storm, between 50 to 400 homes with a high SVI score are expected to experience moderate flooding, and displacement is expected for 50 homes. Less than 10 socially vulnerable homes are expected to be impacted by quasi-permanent inundation at 6.6ft SLR.

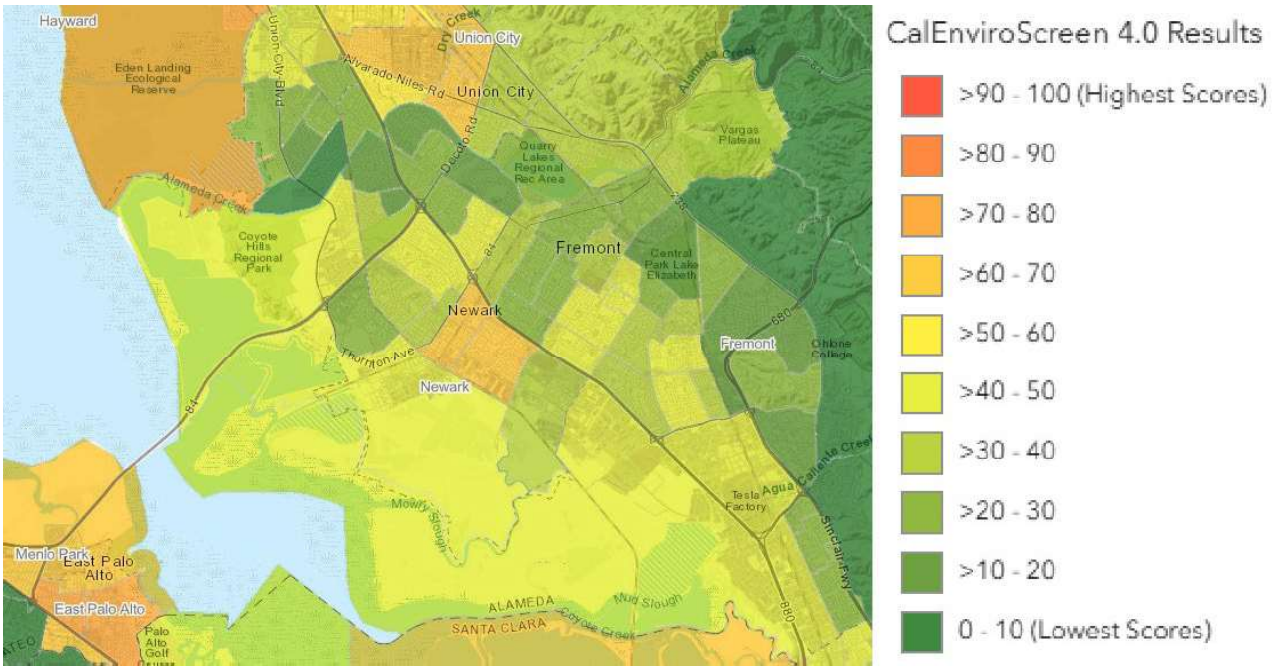

Figure 7 CI scores for the City and the surrounding area

The social and economic vulnerability to environmental factors as determined by the CI scores is presented in the Figure 8 with description of flood extents from the quasi-permanent inundation.

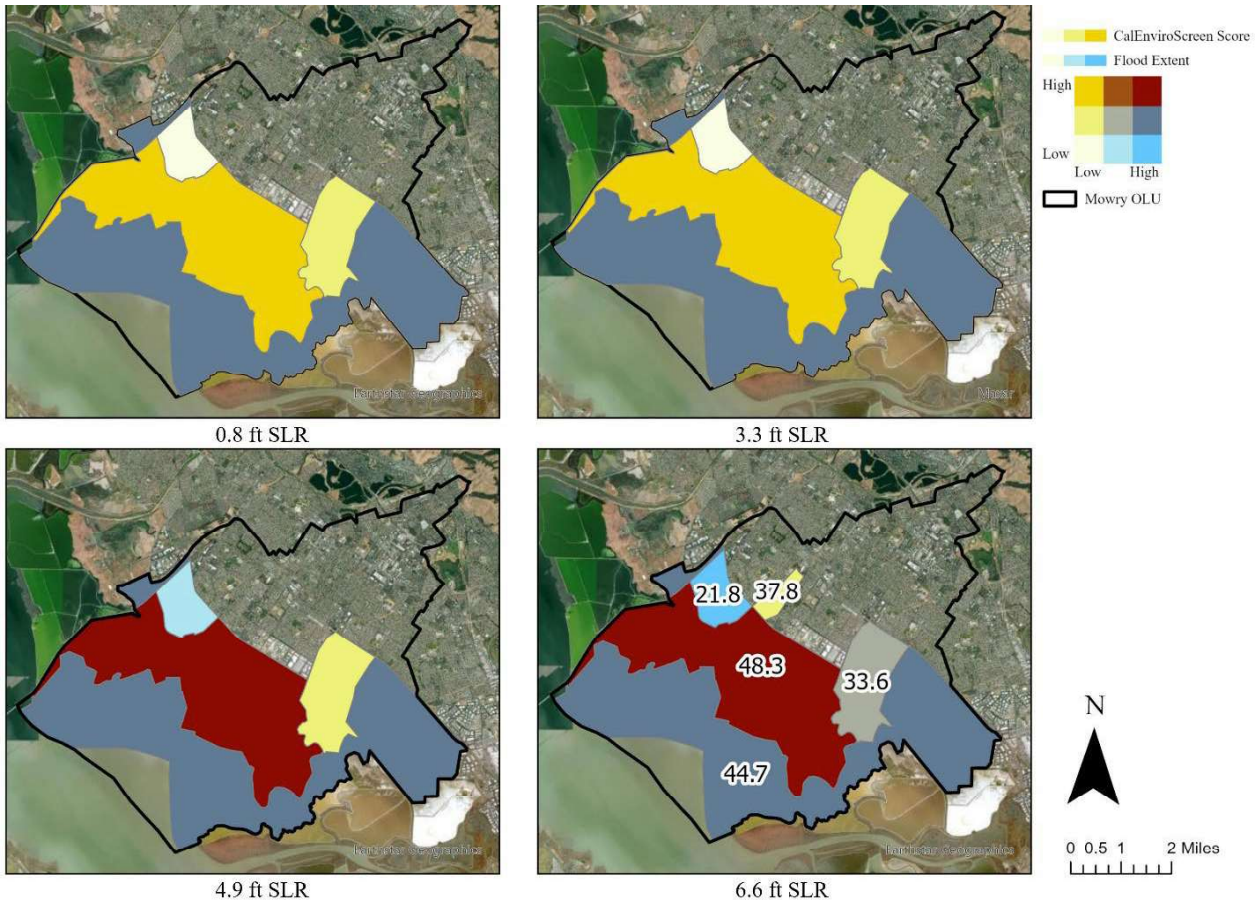

Figure 8 Bivariate map with flood extent and CI score (the CI score is the same for each image)

Figure 8 depicts census tracts with some inundation and presents their CI scores, which range from 21.8 to 48.3 out of 100 which is moderate compared to the surrounding region. The flood extents vary based on the SLR scenario and the CI score is consistent across all scenarios. The extent of vulnerable groups impacted across scenarios is similar until 6.6ft SLR when an additional population block is impacted in the northern zone of the City (population 5,500). The highest CI scored zone is 48.3 which is characterized by 35% of the population living below two times the federal poverty level, 55% linguistic isolation, 12% unemployment, and 40% of residents with a housing burden.

3.2.2 Contamination Sites

Figure 9 depicts the locations of EPA Facility Registry Service (FRS) Sites in Newark and Fremont that fall under the EPA Hazardous Waste Program, Superfund/Superfund National Priorities List, and Toxic Release Inventory Reporter within Fremont and Newark, and contamination sites provided by the Water Board within the OLU. There are 251 total sites identified in Mowry OLU between these two datasets. Refer to Appendix B for a full list of Facility Registry Sites and Water Board sites in Newark and Fremont.

In Figure 9, the lefthand side depicts the quasi-permanent flood extents in reference to potentially contaminated sites, and the righthand side depicts the site locations in reference to groundwater.

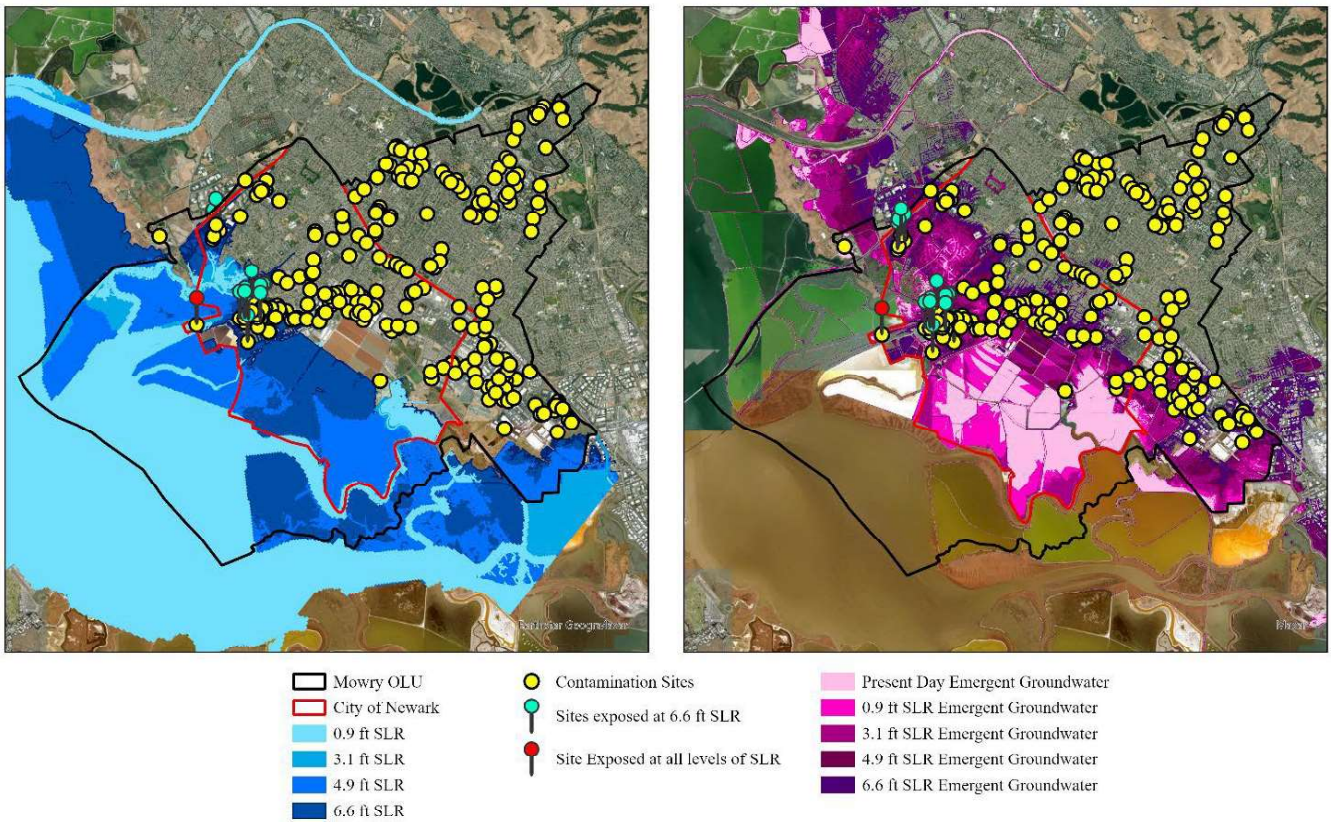

Figure 9 Contaminated sites and flooding (left) and contaminated sites and emergent groundwater from SFEI (right)

When considering flooding of the FRS sites, 11 are impacted under 6.6ftSLR and there are no impacted sites under the lower SLR scenarios evaluated. Only one Water Board site is impacted at all quasi-permanent inundation states. Eight (8) Water Board sites are impacted under 6.6ft. The type and count of sites impacted under the SLR scenarios are listed in Table 9.

Table 9 Count of contamination sites exposed to quasi-permanent inundation

Contaminated Sites	Source	Mid-century (2050)	End-of-century (2100)		
		0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Land Disposal Site	Water Board	0	0	0	2
Water Board - Cleanup Program Site	Water Board	0	0	0	3
Non-case Information	Water Board	0	0	0	1
LUST Cleanup Site	Water Board	1	1	1	2
FRS Sites	EPA	0	0	0	11
Total		**1**	**1**	**1**	**19**

The potential for environmental contamination via groundwater presents a potential hazard shown on the right in Figure 9 due to the rising groundwater levels (SFEI, n.d) with overlay to approximately 50% of the total contaminated sites by 6.6ft SLR presents concern for environmental contamination. Rising groundwater levels can damage infrastructure designed to contain hazardous materials. This includes underground storage tanks and waste containment systems, which may fail and release contaminants. The increased pressure from groundwater can also compromise the integrity of these structures. Contaminated groundwater can lead to significant environmental and health hazards. Toxic substances such as heavy metals, pesticides, and industrial chemicals can be released into the environment, posing risks to human health and ecosystems.

3.2.3 Wetlands

Wetlands are natural transition zones between the sea and land and consist of valuable ecosystem elements such as coastal vegetation and unvegetated mudflats. They are a vulnerable land type as they can be lost due to SLR if their rate of landward migration is lower than seaward erosion (Chen et al., 2024).

The total wetland area in the Mowry OLU is 9,000ac. The two main habitat types are Freshwater Emergent and Estuarine/Marine according to U.S. Fish and Wildlife designations. The wetland area by type with overlaid outlines of quasi-permanent inundation is shown in Figure 10. The area designated as Lake was excluded from the quantification, as it is representative of the industrial salt flats in the OLU and discussed in Section 3.2.4. A full-page version of this map is available in Appendix D.

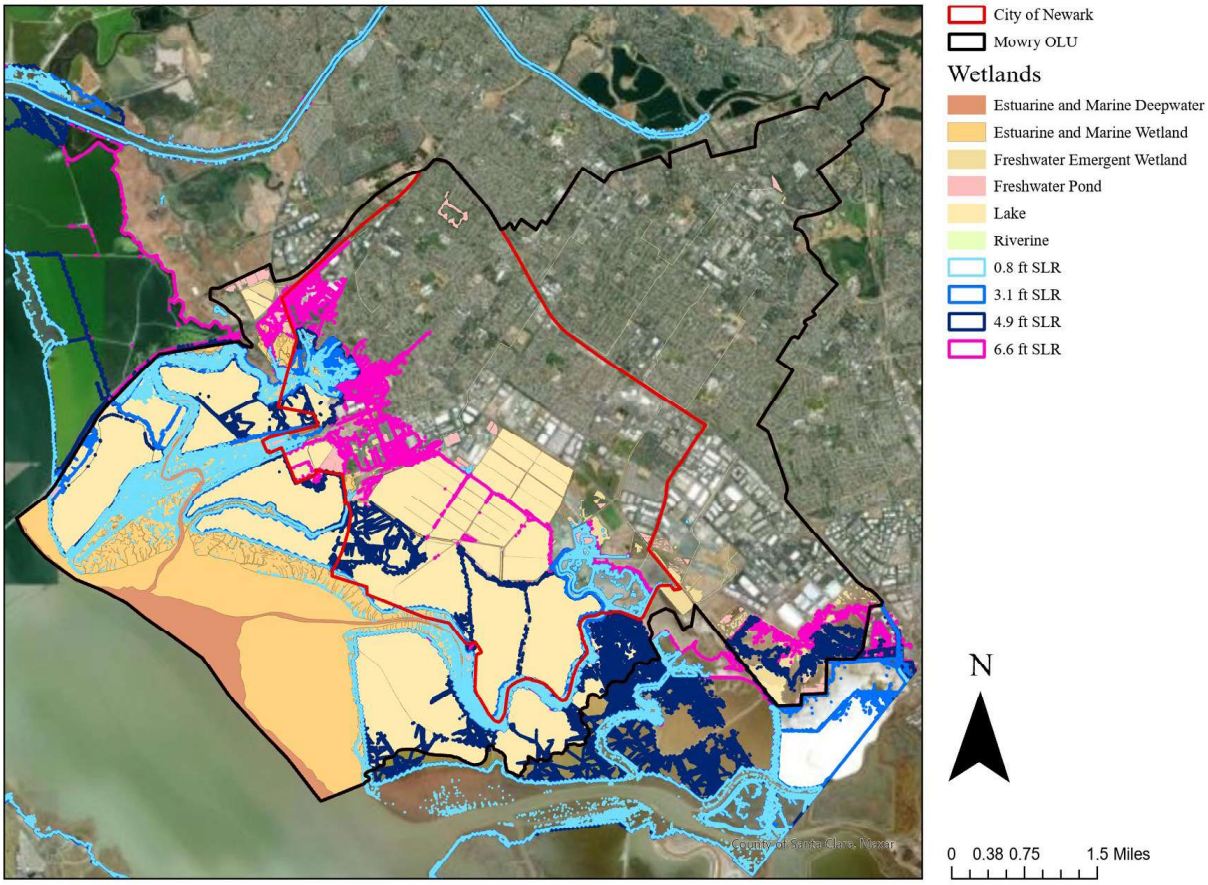

Figure 10 Wetlands areas from the U.S. Fish and Wildlife Service

Of this dataset, the two types of wetland areas (Estuarine & Marine Wetland and Freshwater Emergent Wetland) total area impacted for each SLR scenario is shown in Table 10.

Table 10 Wetland area impacted in each SLR scenario

Wetland Areas	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Estuarine and Marine Wetland	8,000	8,500	8,500	8,700
Freshwater Emergent Wetland	20	20	100	180
Total Area (ac)	8,020	8,520	8,600	8,880

Present-day (2025)

Healthy wetland habitats exist in the present-day tidal zone. These areas support diverse vegetation and wildlife, contributing to the overall ecological health of the region. The salt farms provide habitat for over 70 bird species.

Mid-century (2050)

By mid-century, some wetland areas that were previously inundated only during high tides will experience permanent inundation. This change will impact the health of existing vegetation and inhabitants, potentially leading to shifts in species composition and ecosystem functions. Most of the marine wetland is inundated by 0.8ft SLR (90%) and a small portion of the freshwater emergent wetland is inundated daily.

End-of-century (2100)

A notable shift in **freshwater emergent wetland** occurs between 3.1ft to 4.9ft SLR, where percent inundation increases five times (from 20 to 100 ac). By 6.6ft SLR, most of the salt ponds are expected to be quasi-permanently inundated. This represents a substantial increase in inundation, affecting the stability and health of these wetland ecosystems.

3.2.4 Land Use

The types of zoned areas in the City include five main uses: Industrial, Parks and Open Space, Residential, Commercial, and Public. The zoning in the Mowry OLU is shown in Figure 11 and the impacted areas are summarized in Table 11. Refer to Appendix A for the full list of zones. A full-page version of this map is available in Appendix D.

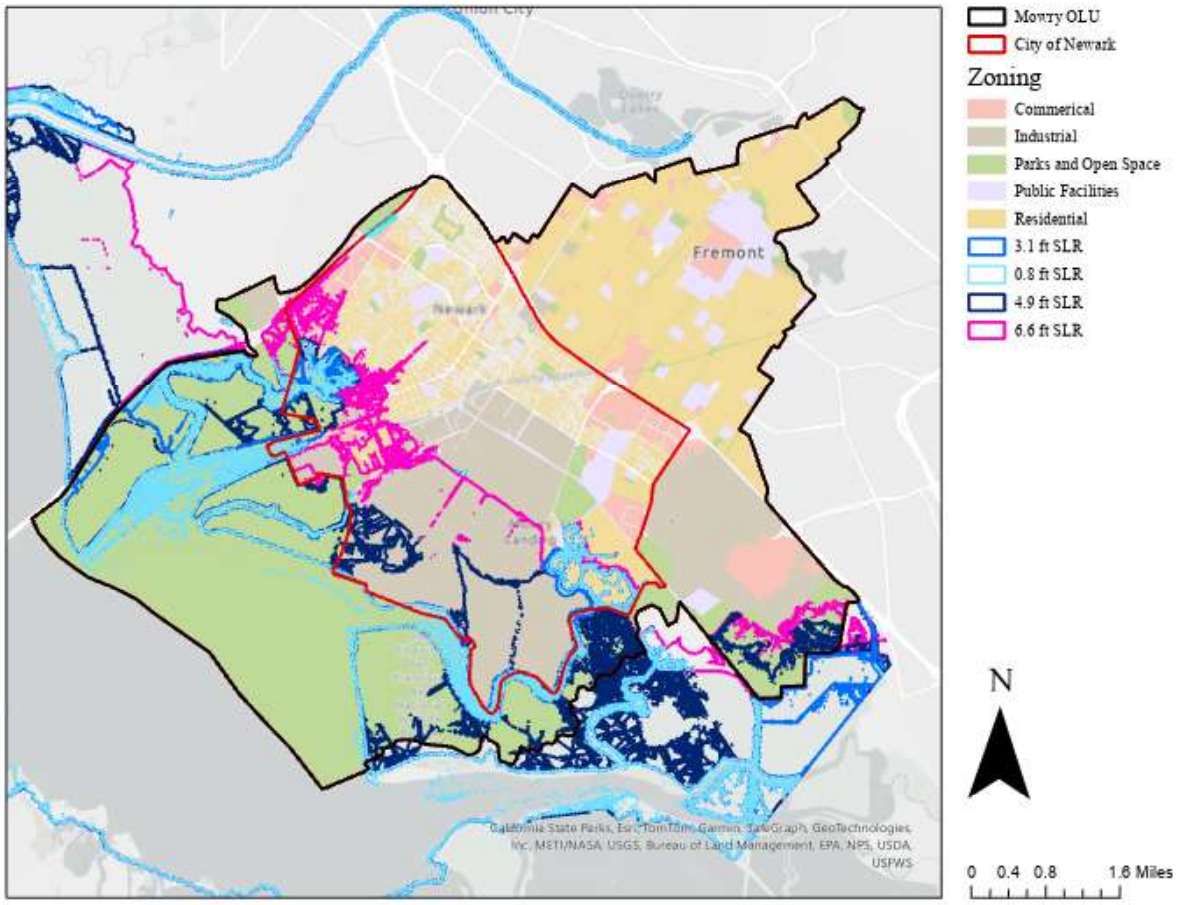

Figure 11 Zoning in Mowry OLU

Table 11 Impacted areas (ac) by zone type

Zone	Total Zone Area (ac)	Mid-century (2050)	End-of-century (2100)		
		0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Industrial	7,400	50	90	1,070	2,600
Parks and Open Space	36,300	3,800	4,400	6,600	8,500
Residential	13,500	200	200	200	300
Commercial	700	2	10	30	150
Public	1,800	10	20	20	50
Total Impacted Zoned Area	–	**4,062**	**4,720**	**6,850**	**9,000**

Present-day (2025)
Currently, the areas designated for industrial, residential, commercial, public, and parks and open spaces are largely unaffected by SLR. These zones support various activities and infrastructure, contributing to the economic and social fabric of the region. The wetlands and salt farms in Newark and Fremont, continue to provide critical habitats for wildlife and support biodiversity.

Mid-century (2050)
By mid-century, the impact SLR begins to manifest noticeably. The impacts include:

- **Parks and Open Space:** 3,800ac are affected, potentially disrupting recreational areas and natural habitats.
- **Residential Areas:** 200ac are impacted, posing risks to homes and communities.
- **Industrial Areas**: 50ac are impacted, indicating initial encroachment of rising waters into industrial zones; most of this area is zoned within the salt flats.
- **Public Areas:** 10ac are impacted, indicating some early effects on public infrastructure and services.
- **Commercial Areas**: <5ac are affected, suggesting minimal early impact on commercial zones.

End-of-century (2100)
By the end-of-century, the impact of SLR varies significantly across the different scenarios, from Intermediate SLR (3.1ft) to High SLR (6.6ft). The impacts include:

- **Parks and Open Space:** The affected area ranges from 4,400ac (Intermediate) to 8,500ac (High), threatening recreational spaces and natural habitats.
- **Industrial Areas:** The impacted area ranges from 90ac (Intermediate) to 2,600ac (High), indicating substantial risk to industrial infrastructure and operations.
- **Residential Areas**: The impacted area ranges from 200ac (Intermediate) to 300ac (High), posing significant risks to housing and communities.
- **Commercial Areas:** The affected area ranges from 10c (Intermediate) to 150ac (High), indicating increasing a large range of risk to commercial properties.
- **Public Areas:** The impacted area ranges from 20ac (Intermediate) to 50ac (High), suggesting growing threats to public infrastructure and services.

3.3 Quantitative Results

This section details the quantitative risk results, which show the counts of assets and estimated dollar loss from impacted assets within the Mowry OLU. Results are presented for buildings, roads, trails, rail lines, sewer system, and power system. For each SLR scenario, there is a summary of results for both the assets exposed to quasi-permanent flooding (e.g., inundated by high tides and/or SLR in a given scenario) and to coastal storms (i.e., the 100-year storm surge).

The severity of flooding is also presented, where flood depths range from slight to severe flooding depending on the asset type. This provides more detailed description and insight to the consequences at different levels of flooding.

Figure 12 depicts the flood maps for the quasi-permanent SLR scenarios, showing concentration of exposed assets in red. Notably, the northwest corner of Newark has a high concentration of exposed assets. Higher resolution maps can be found in Appendix C.

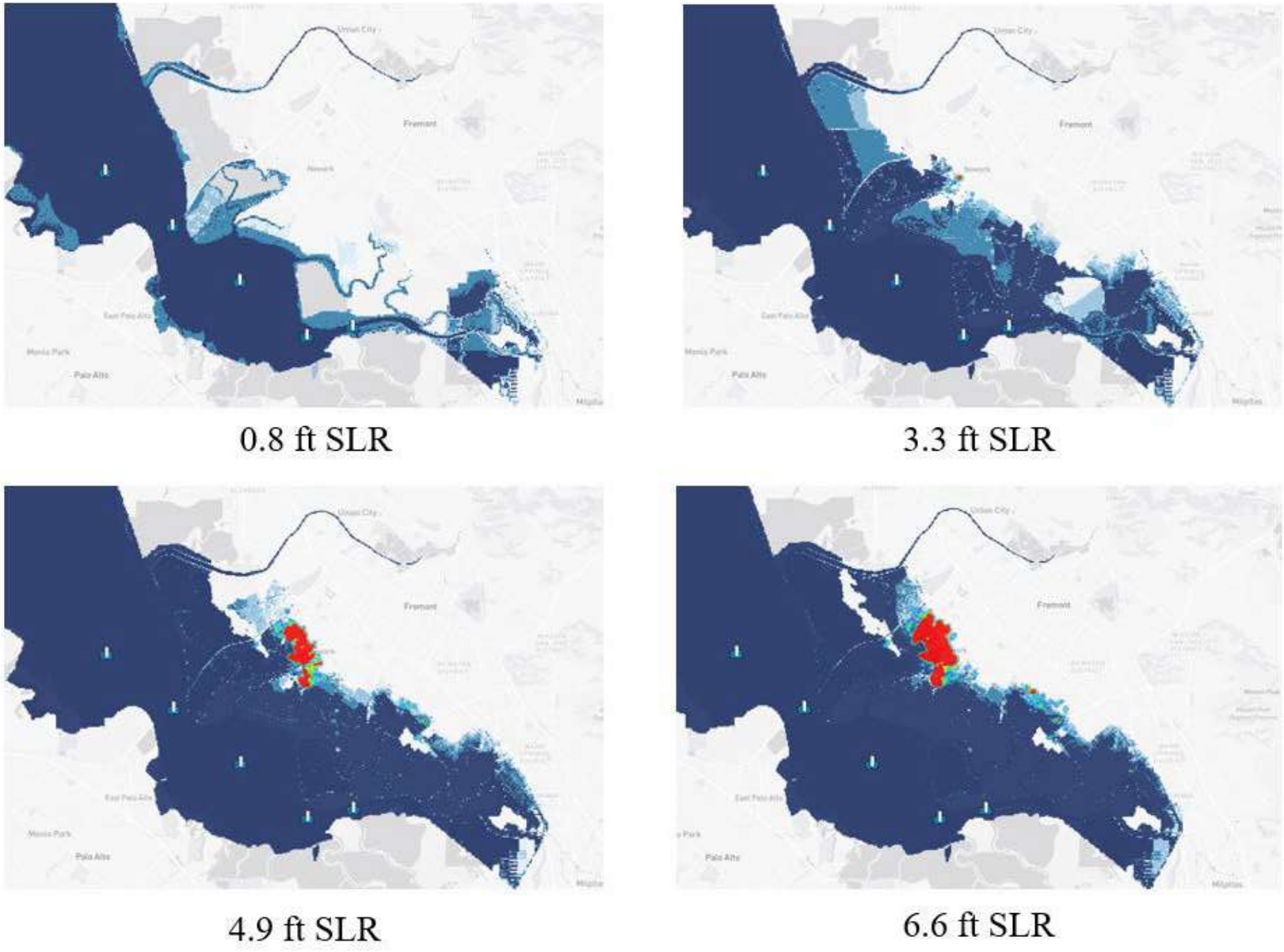

Figure 12 FloodAdapt results for quasi-permanent inundation, showing concentration of exposed assets in red

The estimated losses (in dollars) are tabulated in Table 12, showing $71M of impacted assets by 2050. The value increases nearly six-fold to $398M by end-of-century under 3.1ft SLR and may be as much as $3.8B with 6.6ft SLR. These values assume all assets exposed, including those exposed to daily high tides under future SLR, are a total loss, which may conservatively overestimate impacts.

Table 12 Total estimated cost of SLR, given exposed assets are considered a total loss

Asset Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Buildings	$45	$200	$1,500	$3,100
Roads	$0	$70	$360	$490
Rail	$4.5	$7.5	$14	$17
Sewer	$1.7	$5.7	$22	$32
Power	$20	$115	$160	$180
Total Loss	**$71**	**$398**	**$2,056**	**$3,819**

3.3.1 Buildings

The count of buildings exposed to SLR is tallied in Table 13 and presented by building type. Buildings located in the tidal zone are exposed to quasi-permanent flooding, and these buildings are considered a total loss. By mid-century, twelve buildings were identified as exposed, including 10 public buildings and 2 industrial buildings, whose loss values were estimated at a total of $45M.

Table 13 Count of flooded buildings by type under quasi-permanent inundation

Building Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Public Buildings	10	30	70	100
Industrial Buildings	2	15	70	110
Commercial Buildings	0	2	70	100
Residential Buildings	0	5	280	1,800
Emergency Facility	0	0	0	3
Hospitals and Care Centers	0	0	2	4
Schools	0	0	0	3
Total Count	**12**	**52**	**492**	**2,120**
Total Loss ($millions USD)	**$45**	**$200**	**$1,500**	**$3,100**

The values of building counts affected by quasi-permanent inundation are visualized in Figure 13. The shaded area shows the range based on SLR scenario, from Intermediate (3.1ft) to High (6.6ft).

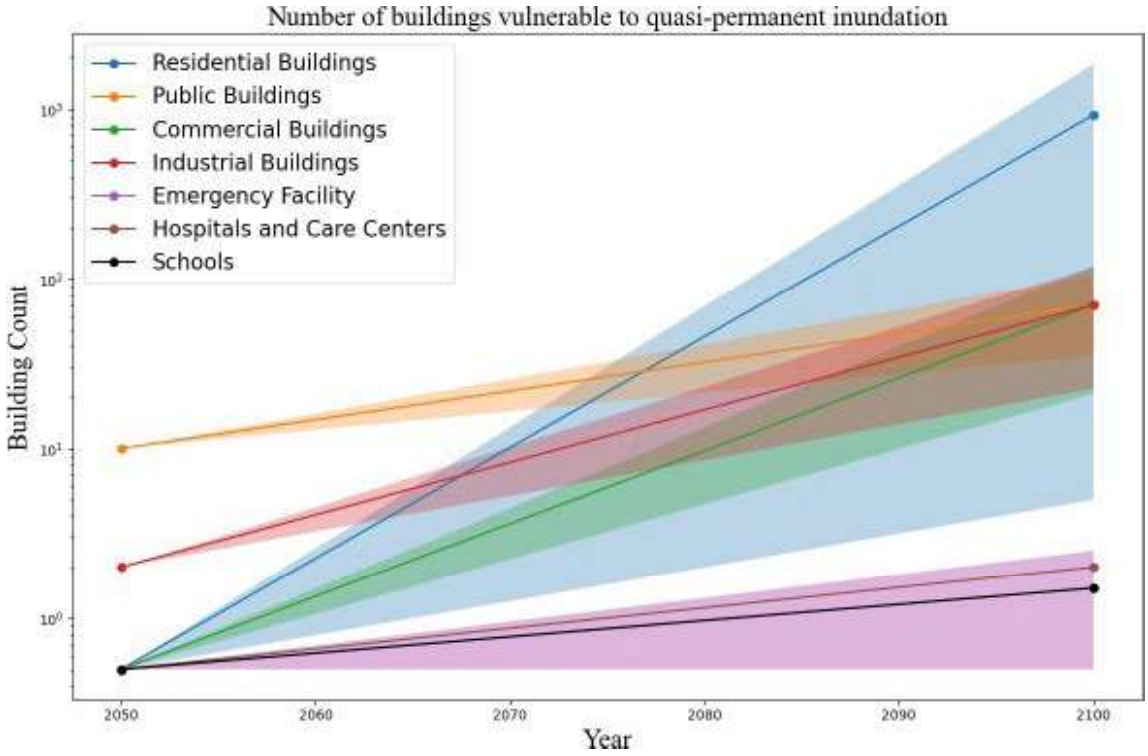

Figure 13 Number of impacted buildings by type in each time horizon on a log-normal scale

The results from storm scenarios are depicted in Table 14 and Table 15 based on estimated building repair costs and the level of flooding at each building in each storm scenario.

Table 14 Building types and damage value under storm scenarios

Building Type	Estimated Cost (million $ USD)		
	Present-day (2025)	Mid-century (2050)	End-of-century* (2100)
Public Buildings	$40	$40	$100–200
Industrial Buildings	$15	$35	$200–450
Commercial Buildings	$50	$55	$220–680
Residential Buildings	$10	$10	$100–470
Emergency Facility	$ –	$ –	$<1–3
Hospitals and Care Centers	$1	$1	$2–12
Schools	$ –	$ –	$2–10
Total Cost	**$116**	**$141**	**$625–1,825**
*Range for 2100 represents 3.1ft to 6.6ft SLR.			

Table 15 Severity of building flooding under storm scenarios

Time Horizon	Minor Flooding	Major Flooding	Destroyed Buildings	Count of Buildings
Present	54%	40%	6%	180
2050	48%	44%	8%	200
2100*	57% (3.1ft SLR) 15% (6.6ft SLR)	40% (3.1ft SLR) 80% (6.6ft SLR)	3% (3.1ft SLR) 5% (6.6ft SLR)	1,900 (3.1ft SLR) 4,600 (6.6ft SLR)
*Minor flooding for buildings is defined as inundation depths < 1ft **Major flooding for buildings is defined as inundation depths 1ft to 6ft ***Destroyed buildings are defined as those with > 6ft inundation				

Present-day (2025)
Under a 100-year storm surge event, the following impacts were identified through 2050:

- Total damage is approximately $116M for buildings.
- Approximately 180 buildings are affected, where most of the sustained damage is minor (54%).

Mid-century (2050)
Assets at stake under SLR include:

- Very minimal exposure of buildings (approximately 10) to daily flooding, composed of industrial and public buildings.

Temporary loss over storm scenarios includes:

- Approximately 200 buildings are impacted with a rise in major flooding and destroyed buildings, adding an additional $25M in cost from today's 100-year storm surge event.

End-of-century (2100)
Assets at stake under SLR include:

- By 2100 with 3.1ft SLR, the number of buildings impacted by quasi-permanent inundation increases by a factor of 5 (50 buildings). Commercial buildings begin to be impacted.
- By 4.9ft SLR, the count of impacted buildings increases by a factor of 10 to 490 buildings.
- By 6.6ft SLR, up to 2,160 buildings are impacted on a daily basis. Hospitals and care centers are impacted. The majority of buildings impacted by the end-of-century are residential.

Temporary loss of assets over storm scenarios include:

- In an end-of-century storm scenario, there are up to 4,600 flooded buildings, most of which are impacted by severe flooding. The cost of a storm event will be between $600M to $900M, around 1.5 to 5 times greater cost than a 2050 storm event.

3.3.2 Roads and Trails

Table 16 and Table 17 summarize impacts to roads and trails under future SLR scenarios (considered a total loss) and in the storm scenarios. Table 16 summarizes the quasi-permanent inundation scenarios, summing assets located in the tidal zone (below high tide).

Figure 14 displays the results of the storm scenarios, in which inundation is considered temporary. These results were summarized as a dollar value, where costs to repair assets were used.

Overall, most roads in Mowry OLU are residential and major roads, and both experience up to 50% extent inundation by the end-of-century. There is a very small extent of arterial roads within the OLU, and freeways experience up to 30% inundation extent by end-of-century.

Table 16 Miles of flooded roads under quasi-permanent inundation

Type of Road	Total Length (mi)	Mid-century (2050)	End-of-century (2100)		
		0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Arterial	1	0	0	0.4	0.4
Residential	90	0	3.2	18	26
Major Road	40	0	2.4	11	13
Freeway	15	0	0	1.3	2.2
Trails	75	10	15	20	23
Total Roads (mi)	**221**	**10**	**20.6**	**50.7**	**64.6**
Total Cost* (Millions USD)		**$0**	**$70**	**$360**	**$490**

*Total cost does not include the cost of trail replacement.

Table 17 Average severity of roadway flooding in each storm scenario

Time Horizon	Total Flooding (mi)	Slight Flooding (%)	Minor Flooding (%)	Major Flooding (%)	Fully Flooded (%)
Present (2025)	50	28%	18%	48%	6%
Mid-century (2050)	50	28%	15%	48%	9%
End-of-century (2100)	70-80	17% (3.1ft SLR) 12% (6.6ft SLR)	7% (3.1ft SLR) 5% (6.6ft SLR)	31% (3.1ft SLR) 19% (6.6ft SLR)	45% (3.1ft SLR) 64% (6.6ft SLR)

Note: Values above are not inclusive of trail flooding during storm

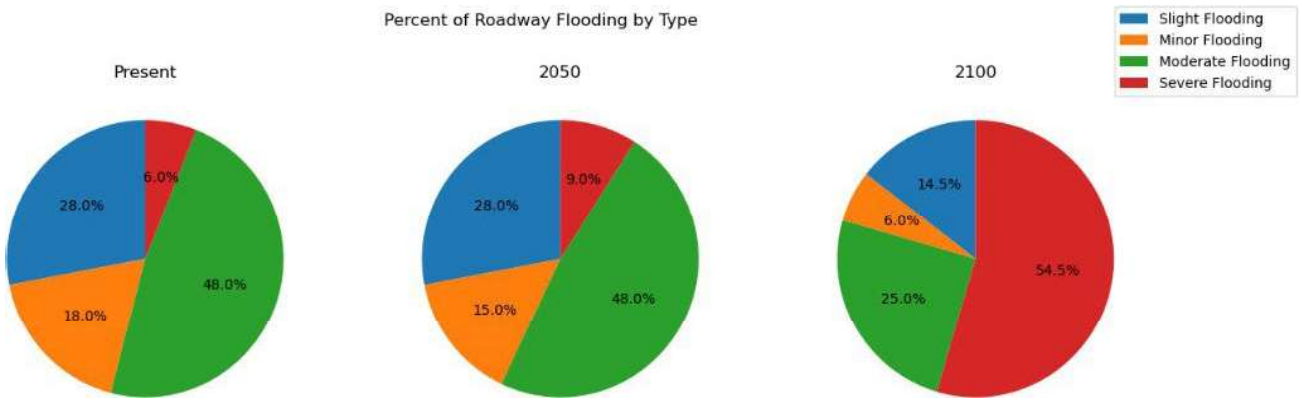

Figure 14 Percent of road system by degree of flooding (2100 is reported as an average value of 3.1, 4.9 and 6.6ft SLR)

Present-day (2025)

Under a 100-year storm surge event, 50mi of roadways (non-inclusive of trails) are expected to be impacted, to varying degrees listed in Table 17.

- **Slight flooding:** 14mi of road are expected to experience at least slight flooding (<0.3ft). This flooding is expected to affect pedestrians through ponding but no vehicles.
- **Minor flooding:** 9mi of roadway experience >0.5ft flooding and may experience damage, or at the very least be closed for several hours to several days and disrupt cars.

- **Major Flooding:** 27mi of roadway experience >1ft flooding. This level of inundation can significantly disrupt traffic flow, cause extensive damage to road surfaces, and potentially undermine the structural integrity of the roads, leading to prolonged closures and costly repairs.
- **Fully Flooded Roads**: 3mi of roads experience > 2ft flooding. Major flooding can render roads completely impassable, isolate communities, hinder emergency response efforts, and result in substantial long-term damage to the infrastructure, necessitating major reconstruction efforts.

Mid-century (2050)

No permanent loss was identified at 0.8ft SLR of roadways was identified. Ten (10) miles of trails were found to experience daily flooding and could impact use.

Temporary loss of assets over storm scenarios include:

- Flooding extents are expected to be the same in this storm scenario as present day, with marginal differences in the overall road system.

End-of-century (2100)

Assets at stake under SLR include:

- No permanent loss of roads was identified at 3.1ft SLR, but 15 miles of trails are identified as impacted. At 4.9ft SLR, roughly 6mi of roads and 20mi trails experience quasi-permanent inundation, which increases to 23mi of trails and 41mi of roads at 6.6ft SLR. The impacts from 4.9 and 6.6ft SLR includes 0.4mi of arterial roads, 18mi to 26mi of residential roads, 11mi to 13mi of major roads, 1.3mi to 2.2mi of freeways, and 20-23mi of trails.

Temporary loss of assets over storm scenarios include:

- By the end of the century, storms are expected to impact 70-80mi of roadways, with most of this (76-83%) consisting of major flooding (>1ft inundation).

3.3.3 Rail lines

There are 13mi of railroad within the site boundary and their impacts within the different storm scenarios are listed in Table 18. The severity of rail system flooding under storm scenarios is included in Table 19 and displayed in Figure 15.

Table 18 Extent of flooded rail lines under quasi-permanent inundation

Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Railroad (mi)	1.5	2.5	4.5	5.5
Total Loss (millions $)	**$4.5**	**$7.5**	**$14**	**$17**

Table 19 Severity of rail system flooding under storm scenarios

Time Horizon	Total Flooding* (mi)	Slight Flooding (%)	Minor Flooding (%)	Major Flooding (%)	Severe Flooding (%)
Present	3 (2)	10	10	16	64
Mid-century	4 (3)	6	6	10	78
End-of-century* (2100)	5-8 (5-8)	8% (3.1ft SLR) 6% (6.6ft SLR)	0% (3.1ft SLR) 3% (6.6ft SLR)	18% (3.1ft SLR) 7% (6.6ft SLR)	74% (3.1ft SLR) 84% (6.6ft SLR)
*The length of railway that is anticipated to impact a train (inundation > 0.5ft) is reported in parentheses					

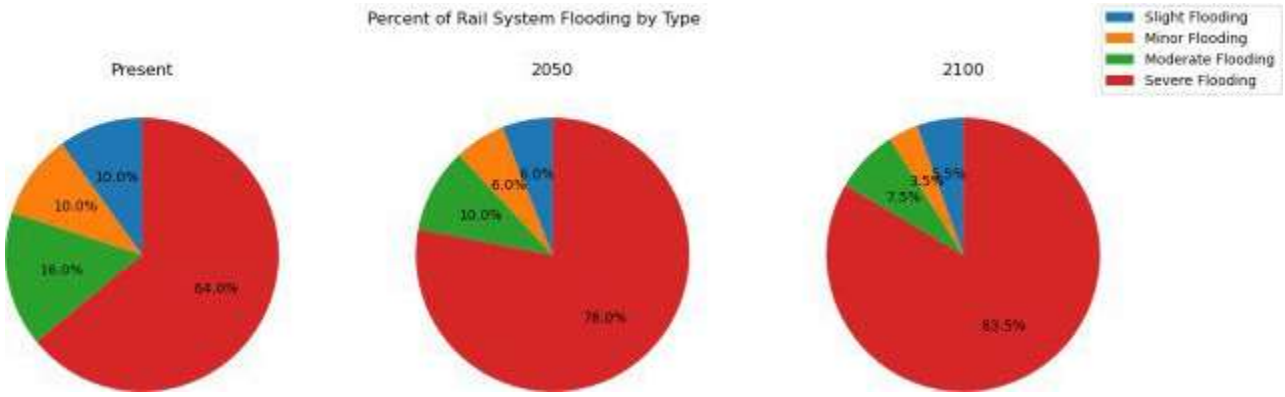

Figure 15 Percent of rail system flooding by flood level (2100 is reported as an average value)

Present-day (2025)

Under a 100-year storm surge event, the following impacts were identified through 2050:

- Flooding Extent: Coastal storms are expected to flood approximately 3mi of railway, 2 of which are expected to impact railway travel.
- Flooding Severity: 15% of this flooding is severe (1ft to 2ft inundation).
- Implications: The current flooding poses operational challenges and potential disruptions to rail services, requiring immediate mitigation measures to ensure safety and continuity.

Mid-century (2050)

Assets at stake under SLR include:

- Permanent Inundation: By 2050, approximately 1.5mi of railroad lines are expected to be quasi-permanently inundated.
- Implications: Permanent inundation will require long-term planning and investment in adaptive measures, such as elevating tracks or relocating vulnerable sections, to maintain rail connectivity and protect critical transportation assets.

For a storm in 2050, temporary impacts to assets include:

- Flooding Extent: The extent of flooding on railroad lines is projected to increase by 50% (up to 4mi).
- Flooding Severity: Moderate to severe flooding is expected to double up to 25% being at least a foot inundated, while slight and minor flooding will be reduced by half.
- Implications: The increased flooding severity will necessitate significant infrastructure upgrades and enhanced flood management strategies to prevent prolonged service interruptions and ensure resilience against future storms.

End-of-century (2100)

Assets at stake under SLR include:

- Permanent Inundation: By 2100, the railroad lines are expected to experience significant permanent inundation, with estimates ranging from 6mi to 9mi of railroad being affected.

- Implications: The permanent loss of railroad infrastructure will necessitate extensive long-term planning and investment in adaptive measures. This may include elevating tracks, constructing protective barriers, or relocating vulnerable sections to ensure rail connectivity and protect critical transportation assets.

Temporary loss of assets over storm scenarios include:

- Flooding Extent: Coastal storms in 2100 are projected to flood approximately 6mi to 9mi of railroad.
- Flooding Severity: The severity of flooding is expected to increase, with moderate to severe flooding becoming more prevalent. This will require substantial infrastructure upgrades and enhanced flood management strategies to prevent prolonged service interruptions and ensure resilience against future storms.
- Implications: The increased flooding extent and severity will pose significant operational challenges, necessitating robust mitigation measures and emergency response plans to ensure the safety and continuity of rail services.

3.3.4 Sewer System

The number of sewer system assets exposed to SLR is tallied in Table 20. Sewer system assets located in the tidal zone are exposed to quasi-permanent flooding, and these assets are considered a total loss. The total estimated loss ranges from $11M by 2050 to approximately $200M by the end of the century.

Table 20 Extent of sewer system flooding by type under quasi-permanent inundation

Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Sewer line (active) (mi)	1.0	3.6	11	17
Sewer line (abandoned) (mi)	0	0.07	0.16	0.16
Sewer Manhole	5	130	650	980
Abandoned Sewer Manhole	0	7	10	10
Sewer Pump/Lift Station	0	1	2	2
Total Loss ($ million USD)	**$1.7**	**$5.7**	**$22**	**$32**

During a coastal storm the count of impacted assets is much higher, as seen in Table 21.

Table 21 Sewer system flooding under storm scenarios

Time Horizon	Miles of Flooded – Mains*	Count of Flooded Manholes**	Count of Sewer Pump/ Lift Station
Present	30	600	0
2050	120	500#	1
2100+	120–130	1,100–1,400	2–3

*Flooding for hydraulic structures is defined as inundation depths >= 1ft.

**Flooding for manholes is defined as inundation depths < 0.1ft

#Reduction in flooding from present to 2050 is likely due to ponding in the model, in isolated areas with depths less than four inches (<0.3ft).

+Range for 2100 represents the lower and upper bounds of anticipated SLR (3.1ft to 6.6ft).

Present-day (2025)
Under a 100-year storm surge event, the following impacts were identified through 2050:

- 30mi of sewer mains: These are critical for wastewater transport and are at risk of flooding, which could lead to service disruptions and potential contamination.
- 600 sewer manholes: Vulnerable to inundation, which can cause blockages and overflow. These include 20 abandoned sewer manholes.

Mid-century (2050)
Assets at stake under SLR include:

- 1mi of active sewer lines
- 2.2mi of abandoned sewer lines
- 130 sewer manholes
- 7 abandoned sewer manholes
- 1 sewer pump/lift station

Temporary loss of assets over storm scenarios include:

- 120mi of flooded mains
- 500 flooded manholes
- 1 sewer pump/lift station

End-of-century (2100)
Assets at stake under SLR include:

- 11-17mi of active sewer lines: Significant increase in risk of flooding and service disruptions.
- 650 to 1,000 sewer manholes, and 10 abandoned sewer manholes: Consistent potential overflow points.
- 2 sewer pump/lift stations

Temporary loss of assets over storm scenarios include:

- 120mi to 130mi of flooded mains
- 1,100 to 1,400 flooded manholes
- 2 to 3 sewer pump/lift stations

These updates reflect the severity and extent of sewer system flooding under different scenarios, highlighting the increasing risks and potential impacts over time.

3.3.5 Power System

There are three electrical substations and 45mi of transmission lines included in the study area for this assessment. The number of power system assets exposed to SLR is tallied in Table 22. Power system assets located in the tidal zone are exposed to quasi-permanent flooding, and these assets are considered a total loss.

Table 22 Extent of flooded power system by type under quasi-permanent inundation

Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Electrical substations (count)	0	1	1	1
Transmission lines (mi)	4	20	30	35
Total Loss ($ million USD)	**$20**	**$120**	**$160**	**$180**

Power transmission lines may be elevated out of inundated areas, but their accessibility may be limited. Notably, some transmission lines are currently located in the San Francisco Bay. The results for the coastal storm scenario are presented in Table 23.

Table 23 Severity of power system flooding under storm scenarios

Time Horizon	Miles of Flooded Transmission Line	Slight Flooding (%)	Minor Flooding (%)	Major Flooding (%)	Fully Flooded (%)
Present	25	24%	28%	14%	34%
Mid-century	30	9%	5%	7%	79%
End-of-century* (2100)	35-40	4% (3.1ft SLR) 2% (6.6ft SLR)	5% (3.1ft SLR) 4% (6.6ft SLR)	10% (3.1ft SLR) 4% (6.6ft SLR)	81% (3.1ft SLR) 90% (6.6ft SLR)
*Range for 2100 represents the lower and upper bounds of anticipated SLR (3.1ft to 6.6ft).					

Present-day (2025)

Under a 100-year storm surge event, the following impacts were identified through 2050:

- 25mi of transmission lines. 10mi of these assets would experience over 1ft inundation

Mid-century (2050)

Assets at stake under SLR include:

- 4mi of transmission lines are expected to be inundated and were considered permanently lost

Temporary loss of assets over storm scenarios include:

- 30mi of transmission line flooding, with 25mi over 1ft inundated

End-of-century (2100)

Assets at stake under SLR include:

- 20mi to 35mi of transmission lines: Significant increase in risk of permanent inundation.
- 1 electrical substation: Identified as vulnerable to permanent flooding.

Temporary loss of assets over storm scenarios include:

- Transmission lines: Increase from 20mi to a range of 30mi to 35mi, indicating further expansion of the flood-prone area.
- Electrical substations: Consistent vulnerability with 1 substation at risk.

These updates reflect the severity and extent of power system flooding under different scenarios, highlighting the increasing risks and potential impacts over time.

4. Conclusions and Next Steps

The findings from the Sea Level Rise Vulnerability Assessment and Adaptation Strategy highlight the increasing vulnerability of assets within the study extent to SLR scenarios. The vulnerability and risk assessment developed for this study provides a comprehensive understanding of current and future flood risks, demonstrating that both coastal and inland storm scenarios could increasingly impact residential, commercial, and green spaces. Limitations include the quality and resolution of input data and inherent uncertainty in model predictions.

The model results underscore the urgency of implementing adaptive measures to mitigate associated risks, particularly in vulnerable areas such as the northwest of the City, which is exposed in the present-day coastal storm scenario. **Qualitative results** indicate that the most vulnerable census block is in the northwest portion of Mowry OLU, with significant impacts on residential areas, especially under higher SLR scenarios. Additionally, contamination sites, wetlands, and land use areas such as parks and open spaces are highly susceptible to flooding, with potential environmental and health hazards due to rising groundwater levels and inundation.

Between now and 2050, the City faces limited but important early-stage risks from SLR, mostly affecting utilities and industrial infrastructure. The risks include:

- **Buildings**: Approximately 10 buildings are at risk of daily flooding, primarily industrial and public buildings.
- **Roads and Trails**: No permanent loss identified, but storm scenarios indicate significant flooding.
- **Rail Lines**: About 1.5mi of rail lines are expected to be quasi-permanently inundated.
- **Sewer System**: 1mi of active sewer lines and 5 sewer manholes would be flooded under high tides.
- **Power System**: 4mi of transmission lines are within flooded areas.

Between 2050 and 2100, the scale of risk increases dramatically across all sectors. The risks include:

- **Buildings**: By 2100, estimates range from about 50 to over 2,000 buildings impacted by daily flooding, depending on SLR ranging from 3.1ft to 6.6ft. There is a significant increase in residential and commercial buildings exposed.
- **Roads and Trails**: Approximately 5mi of roads and 15mi of trails could experience quasi-permanent inundation by 3.3ft SLR, increasing to 37mi and 23mi, respectively, by 6.6ft SLR.
- **Rail Lines**: Permanent inundation could affect 3mi to 6mi of rail lines.
- **Sewer System**: 4-17mi of active sewer lines and up to 1,000 sewer manholes could be exposed to permanent inundation from SLR or daily flooding in the tidal zone.
- **Power System**: 20mi to 40mi of transmission lines and one electrical substation could be quasi-permanently inundated.

The next phase of work includes the development of adaptation measures. The vulnerability and risk assessment has identified assets exposed to flooding in various future scenarios, considering flood depth and potential damage. A multi-criteria approach will be used to identify key flood risk areas, considering the severity of flood risk, potential impact on vulnerable communities, and criticality of impacted assets.

Concept-level adaptation solutions will be developed to address key areas in the City exposed to significant flood risk. The proposed adaptation solutions will be evaluated through a simple benefit-cost analysis, and potential funding sources will be identified. Community engagement will be crucial to inform the public and solicit input, followed by a review of results and presentation of proposed conceptual adaptation measures.

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Appendix A

Zoning in Fremont

Descriptor	ZN Class Abbreviation	Assigned Group Category
Commercial	C	Commercial
City Center	CC	
Downtown	D	
Mixed Use	MX	
Open Space	OS	Parks and Open Space
Public Facilities	PF	Public
Residential	R	Residential
Right of Way	ROW	Excluded
Industrial	I	Industrial

Zoning in Newark

Zoning Description – City of Newark	Assigned Group Category
Public Facilities	Public
Regional Commercial	Commercial
Community Commercial	
Professional Office	
Business and Technology Park	
Neighborhood Commercial	
Business and Technology Park	
Commercial mixed Use	
Commercial mixed Use	
Commercial Retail - FBC District	
Resource Production	Industrial
Limited Industrial	
General Industrial	
Open Space	Parks and Open Space
Park	
Residential Single Family	Residential
Residential Medium Density	
Residential Low Density	
Residential High Density	
Residential Medium Density - FBC District	
Residential Medium Density	
Residential Low Density - FBC District	
Residential High Density - FBC District	

Appendix B

EPA Queried Facility Registry Sites (FRS Sites) in Newark and Fremont

FRS Sites	City
ADVANCED ANODIZE INC	Newark
ADVANCED CELL DIAGNOSTICS	Newark
AGILENT TECHNOLOGIES	Newark
AHG GROUP LLC	Newark
ALAMEDA COUNTY WATER DISTRICT NEWARK DESALINATION FACILITY	Newark
AMAZON COM SERVICES INC OAK5 7	Newark
APPLE INC (NEWARK 3)	Newark
ASHLAND CHEMICAL CO	Newark
BASF CORPORATION	Newark
BAY MIRROR INC	Newark
BRITECH ELECTROPOLISHING INC	Newark
C & C INDUSTRIES	Newark
C & C INDUSTRIES	Newark
C & C INDUSTRIES	Newark
CALIFORNIA BRAZING	Newark
CARGILL SALT COMPANY	Newark
CEPHEID	Newark
CVS PHARMACY #9494	Newark
DNA 20	Newark
DNA TWOPOINTO, INC. DBA: ATUM	Newark
EVERGREEN OIL INC	Newark
FMC CORPORATION	Newark
H B FULLER CO	Newark
HONEYWELL C/O PARSONS ENGINEER	Newark
HONEYWELL INTERNATIONAL INC FORMER BARON-BLAKESLEE	Newark
INLAND CONTAINER CORP	Newark
INTERNATIONAL PAPER CO	Newark
JONES-HAMILTON COMPANY	Newark
LTD CERAMICS	Newark
MATHESON TRI-GAS INC - NEWARK BRANCH	Newark
MEMBRANE TECHNOLOGY & RESEARCH, INC	Newark
MILPRINT PACKAGING LLC	Newark
MORTON INTERNATIONAL INC	Newark
NORDSTROM DC 499	Newark
OATEY CO	Newark
PABCO GYPSUM	Newark
PG&E	Newark
PICK-N-PULL NEWARK #43	Newark
REMODELING BY TCM INC	Newark
REVANCE THERAPEUTICS INC	Newark
SAFETY-KLEEN OF CALIFORNIA, INC.	Newark

FRS Sites	City
SAFEWAY STORE #1224	Newark
SANMINA - SCI	Newark
SMART MODULAR TECHNOLOGY	Newark
SWT CHEMICAL STORAGE TANKS LOCATED AT EVERGREEN OILNA INC	Newark
TARGET STORE T-1119	Newark
THERANOS INC	Newark
UNION OIL	Newark
VM SERVICES	Newark
ACWD MOWRY WELLFIELD	Fremont
AIR LIQUIDE ELECTRONICS	Fremont
ALAMEDA COUNTY WATER DISTRICT	Fremont
BENCHMARK ELECTRONICS INC DBA PRECISION TECHNOLOGIES	Fremont
BMCC	Fremont
CERTAINTEED CORPORATION	Fremont
CHEVRON INC	Fremont
CHRISTY PRODUCTS	Fremont
CLEAN SCIENCES TECHNOLOGY	Fremont
COSTCO WHOLESALE #47	Fremont
COSTCO WHOLESALE NO 778	Fremont
CROWN CORK & SEAL COMPANY	Fremont
CROWN CT	Fremont
CVS PHARMACY # 9099	Fremont
DICKS SPORTING GOODS #1170	Fremont
EXCELITAS TECHNOLOGIES CORP	Fremont
FINE PITCH TECH	Fremont
FINISAR CORPORATION	Fremont
FREMONT GAS AND ELEC METER PLANT	Fremont
HEXION SPECIALTIY CHEMICALS INC - FREMONT	Fremont
IRVINGTON STATION	Fremont
KAISER PERMANENTE IVF CLINIC	Fremont
KAISER PERMANENTE MEDICAL CENTER	Fremont
NEOPHOTONICS CORPORATION	Fremont
ONCORE MANUFACTURING SERVICES	Fremont
OORJA PROTONICS	Fremont
PG&E - FREMONT SERVICE CENTER	Fremont
PG&E FREMONT MAT/GC FACILITY	Fremont
RITE AID #5918	Fremont
SANMINA CORPORATION FREMONT	Fremont
SPARQTRON CORP	Fremont
TARGET STORE T1422	Fremont
TARGET T2615	Fremont
UNION SANITORY DISTRICT	Fremont
WALGREENS #4517	Fremont
WASHINGTON HOSPITAL	Fremont

Water Board Sites

Water Board Site	City
NEWARK LANDFILL	Newark
Matheson Tri-Gas, Inc.	Newark
SMITH (A.O.) WATER PRODUCTS	Newark
VILLA CLEANERS	Newark
TREDEGAR FILM PRODUCTS	Fremont
NEWARK SPORTSMAN'S CLUB	Newark
ELITE CLEANERS	Newark
MCI WORLDCOM NETWORK SERVICES INC.	Newark
PARKWAY GOLF COURSE	Fremont
FUDENNA PROPERTY	Fremont
CERRO METAL PRODUCTS FACILITY (FORMER)	Newark
GEORGIA-PACIFIC - FORMER PETERBILT MOTOR CO	Newark
HEXION SPECIALTY CHEMICALS (formerly Borden Packaging)	Fremont
H. B. FULLER CO.	Newark
KIMS CLASSIC CLEANERS (FORMER)	Newark
ASHLAND CHEMICAL CO	Newark
JONES-HAMILTON	Newark
ROMIC (Former Foster Chemical) Lighthouse Development	Newark
FMC CORP. - NEWARK	Newark
BARON-BLAKESLEE	Newark
Former Newark Sportsmen's Club	Newark
Newark Sportsman Club	Newark
A & S ENTERPRISES	Newark
AC TRANSIT-NEWARK FACILITY	Newark
ADVANCE INTERIORS	Fremont
ARCO #02147	Fremont
MOBIL 10-HA5/BP 11268	Fremont
MOBIL 10-489/BP 11100	Fremont
MOBIL 10-JT4/BP 11114	Fremont
BUDGET RENT-A-CAR SYSTEMS	Fremont
CALIFORNIA-FLORIDA PLANT CO.	Fremont
MOBIL NEW/BP 11113	Newark
CBI SERVICES	Fremont
CENTRAL CHEVROLET	Fremont
CENTURY INSULATION INC	Fremont
CHEVRON No. 7526	Fremont
CHEVRON No. 1699	Fremont
CHEVRON No. 5795	Fremont
CHEVRON No. 4230	Fremont
CHEVRON No. 8168	Newark
FREMONT FIRE STATION NO.1	Fremont
FIRESTONE STORE #74	Newark

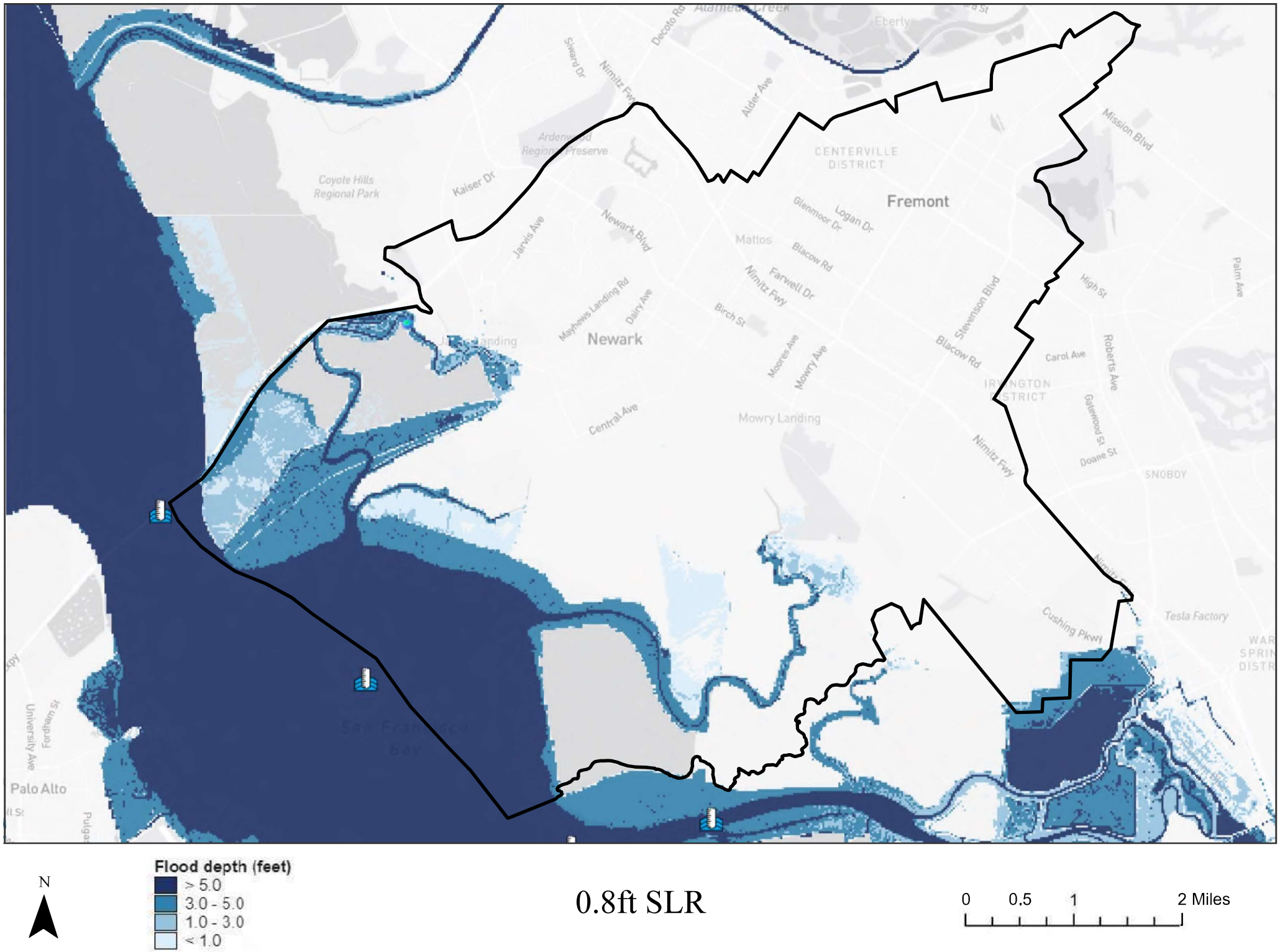
Water Board Site	City
ECONO LINE EXPRESS	Fremont
EL CAMINO CROP SUPPLY	Fremont
Nortrax West	Newark
Valero #13762	Fremont
EXXON NO. 7-3633 (PASEO PADRE PARKWAY)	Fremont
EXXON NO. 7-3599 (FREMONT BLVD)	Fremont
Valero #13767	Fremont
EXXON NO. 7-7116 (THORNTON AVE)	Newark
FIRST INTERSTATE BANK	Fremont
FLEMING FREMONT DIVISION	Fremont
FREMONT U.S.D.- WASHINGTON HIGH SCHOOL	Fremont
GOLDEN BAY FEDERAL CREDIT UNION	Fremont
GSC REALTY CORPORATION	Fremont
Hansen Concrete Construction Co.	Fremont
HERITAGE VILLAGE	Fremont
FREMONT U.S.D.-KENNEDY HIGH SCHOOL	Fremont
LAFLEUR MACHINERY	Newark
INTERNATIONAL PAPER COMPANY	Newark
PABCO GYPSUM	Newark
PACIFIC BELL FACILITY	Fremont
PG & E NEW SERVICE CENTER	Fremont
PG & E OLD SERVICE CENTER	Fremont
QUIK STOP #20	Fremont
FORMER REGAL STATION #414	Newark
UNOCAL 4344	Fremont
SABRAW ENTERPRISES	Fremont
CAZ COMPANY/SAUNDERS TRUCKING	Fremont
SHELL STATION-5489 THORNTON AVE	Newark
SHELL STATION-5505 STEVENSON BLVD	Fremont
SHELL STATION-6005 JARVIS	Newark
SILVEY TRANSPORTATION	Newark
SKY SAILING (SANTA FE PAC/FMT SHORE)	Fremont
STATE FARM	Newark
STEFFENSEN PROPERTY-WELLS AVE.	Newark
SUMMERHILL COMMONS	Newark
TEXACO SERVICE STATION	Fremont
TEXACO STATION 4004 MOWRY NOW EXXON 7-02	Fremont
THORNTON BUSINESS CENTER	Newark
MOBIL 10-GYP (THORNTON)	Fremont
THORO SYSTEM PRODUCTS	Newark
TNT INCORPORATED	Newark
TWO COUNT COMPANY	Newark
U-HAUL (4833 THORNTON)	Fremont
UNOCAL 5923	Fremont

Water Board Site	City
UNOCAL 7224	Fremont
76 Station #5650/4748	Fremont
UNOCAL 7003	Newark
UNOCAL CHEMICALS	Newark
WASHINGTON HOSPITAL	Fremont
DESERT PETROLEUM	Newark
PG & E FREMONT YARD	Fremont
BARKER PROPERTY	Fremont
SIX THOUSAND (6000) S CORPORATION	Fremont
J.G. DUTRA & SON	Fremont
PRUDENTIAL INSURANCE (41707)	Fremont
FLEURY (WILFRED J.) GAS & OIL SALES	Fremont
FELDER-JENNINGS PROPERTY	Fremont
U.S. POSTAL SERVICE-FREMONT MAIN P.O.	Fremont
EDWARD & ZULMIDA LEWIS, TRS.	Fremont
FREMONT PONTIAC-OLDSMOBILE-GMC TRUCK	Fremont
GRACE CONSTRUCTION PRODUCTS	Newark
CHRISTY CONCRETE	Fremont
GOLDEN GATE AUTO AUCTION	Fremont
FERMA CORPORATION	Newark
DODGE PROPERTY	Newark
MORAN OLDSMOBILE	Fremont
PRUDENTIAL INSURANCE (41893)	Fremont
SIGNER BUICK/CADILLAC	Fremont
CARBOLINE CO.	Fremont
AUTOWEST HONDA	Fremont
AUTOWEST TOYOTA (KING ARTHUR TOYOTA)	Fremont
FREITAS PROPERTY	Newark
Montgomery Ward	Fremont
PUTNAM MAZDA (FREMONT MAZDA-FORMALLY)	Fremont
STEVENSON TIRE	Newark
AUTOWEST HONDA	Fremont
CHEVRON #9-3751	Newark
SUPER KMART	Newark
HULBERT LUMBER	Newark
JEAN MARTIN PROPERTY	Fremont
LESLIE SALT COMPANY	Newark
FREMONT PAVING	Newark
LEWIS AND TIBBITS, INC.	Fremont
Chaides Construction Company	Fremont
CALTRANS FREMONT MAINTENANCE YARD	Fremont
SILVEY-- LIQUID AIR PROPERTY	Newark
UNION SANITARY DISTRICT CORP. YARD	Fremont
SANTOS BROTHERS	Fremont

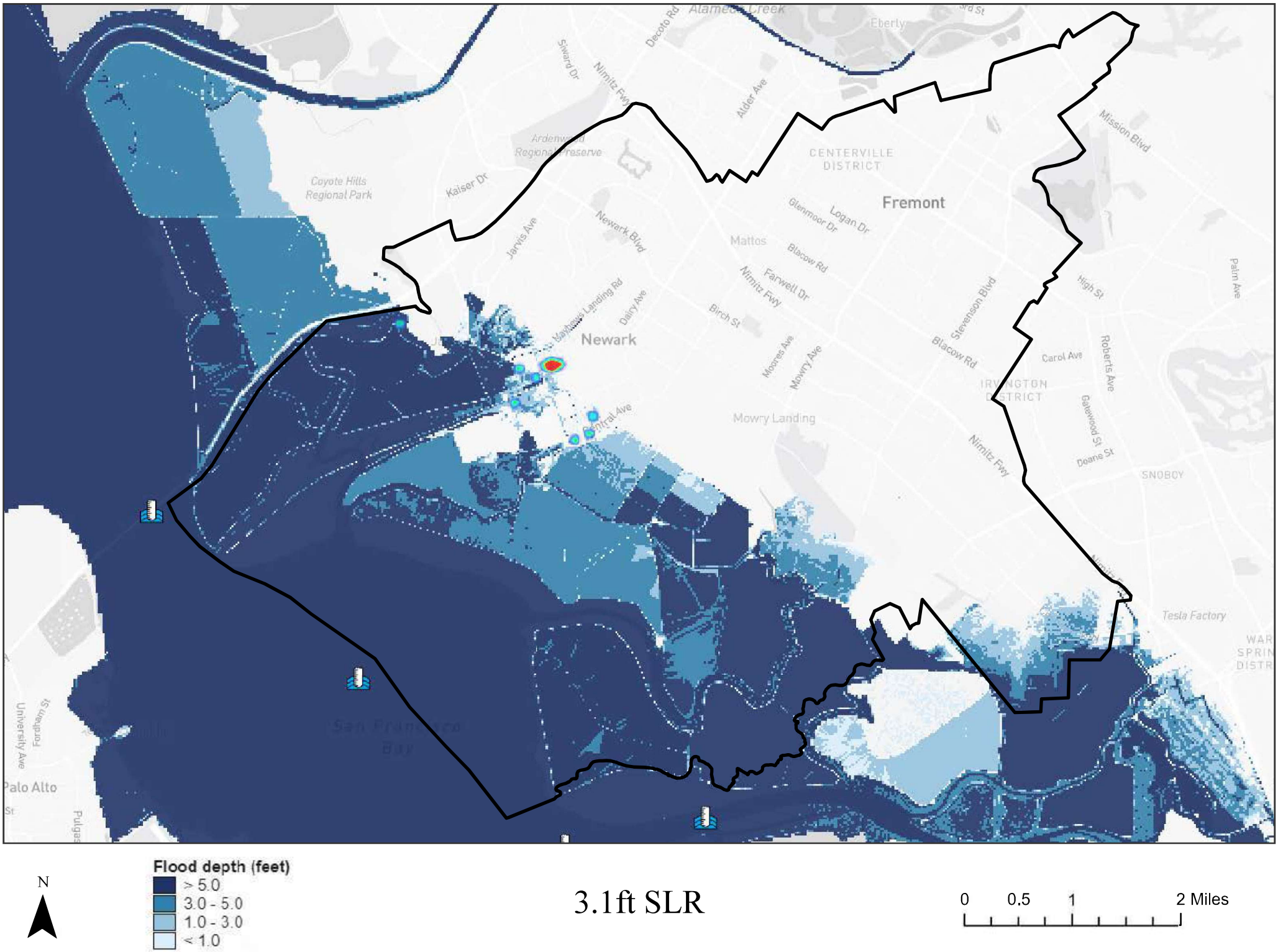
Water Board Site	City
SHELL STATION - 556 MOWRY AVENUE	Fremont
TIDEWATER SERVICE STATION	Fremont
USF REDDAWAY TERMINAL	Fremont
Bayside Properties	Fremont
NEWARK PRINTERS	Newark
UPS Freight- Newark Terminal	Newark
CIRCLE K #2705760	Fremont
UPS Freight- Fremont Terminal	Fremont
J. M. O'NEILL INC.	Fremont
UNION SANITARY DISTRICT, NEWARK STP	Newark
FORMER PANESAR BEACON	Fremont
J & M CONCRETE	Newark
SHELL STATION-39080 FREMONT BLVD	Fremont
WASHINGTON HOS.-POWER FACILITY	Fremont
BAY MIRROR INC	Newark
FREMONT POLICE STATION	Fremont
Earl Automotive	Newark
Torian Holdings	Newark
East Mowry Auto Center	Fremont
Oliveira Vincent Shell Station	Newark
Newark Unified School District	Newark
Dumbarton Quarry Reclamation	Fremont
Trumark Commercial	Newark
Dumbarton TOD Trumark Residential Project	Newark
Romic (Former Foster Chemical) Newark Senior Housing	Newark
MLC Holdings, Inc.	Fremont
Former Equipment Rental Yard	Newark
Fremont Walnut Apartments	Fremont
Walnut Dry Cleaners	Fremont
Newark Gateway Mixed-Use Development (Former FMC Parcel E)	Newark
A.O. Smith Corporation	Newark
Harbor Pointe	Newark
Newark TOD Twin Force Main Relocation	Newark
Willow, Newark	Newark
Cerro Metals	Newark
FREITAS FAMILY TRUST PROPERTY	Newark
Taylor Morrison Homes/ Cedar Blvd. SCP (Former Nortrax SCP)	Newark
#1 Cleaners	Fremont

Appendix C

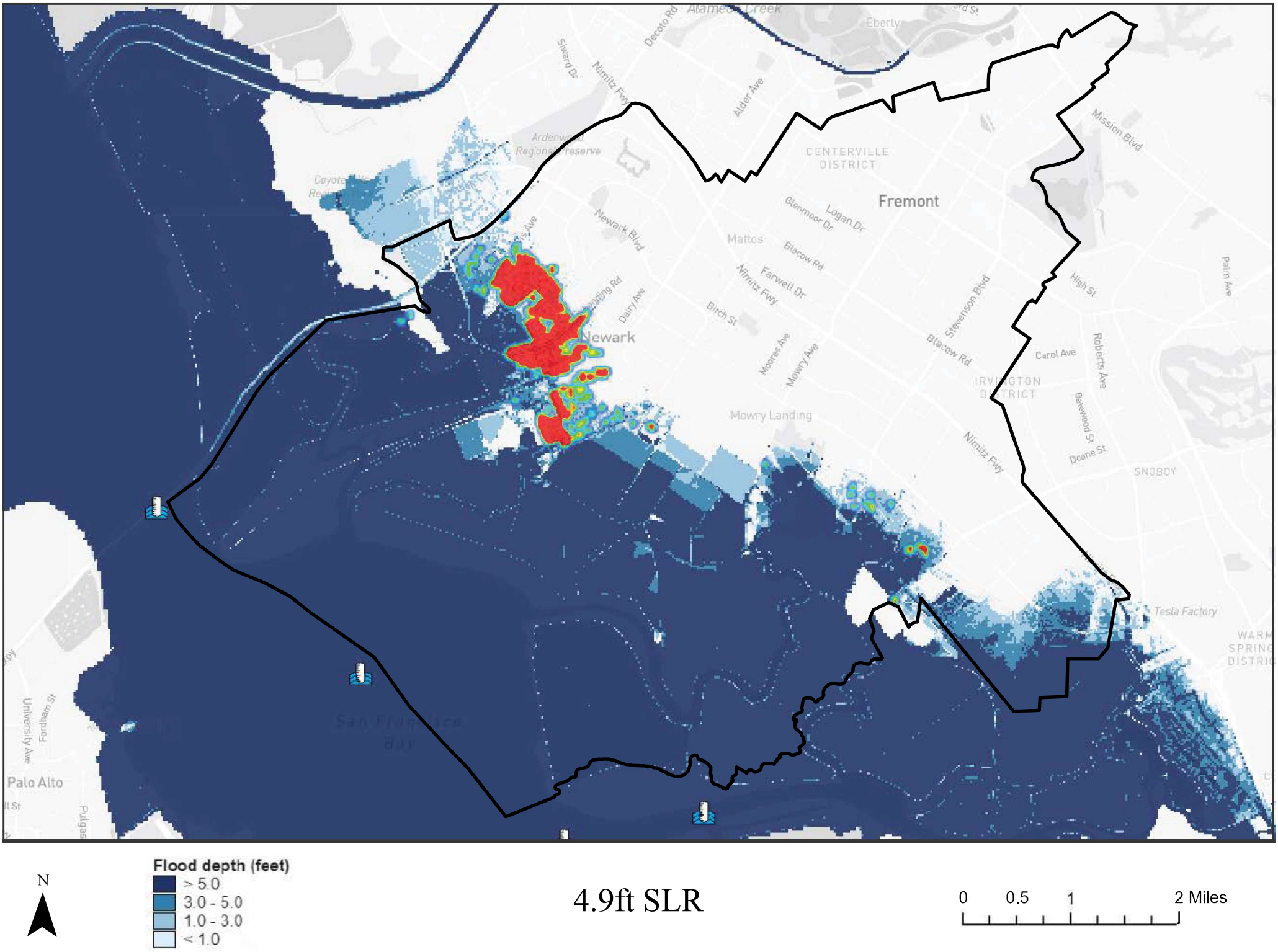
FloodAdapt Output Maps


Fremont
Newark
Mattos
Mowry Landing
CENTERVILLE DISTRICT
IRVINGTON DISTRICT
SNOBOY
Coyote Hills Regional Park
Ardenwood Regional Preserve
Palo Alto
Tesla Factory
Eberly
Alameda Creek
Decoto Rd
Siward Dr
Nimitz Fwy
Alder Ave
Mission Blvd
Kaiser Dr
Jarvis Ave
Newark Blvd
Glenmoor Dr
Logan Dr
Blacow Rd
Farwell Dr
Mayhews Landing Rd
Dairy Ave
Birch St
Moores Ave
Mowry Ave
Stevenson Blvd
High St
Palm Ave
Carol Ave
Roberts Ave
Gatewood St
Doane St
Central Ave
Cushing Pkwy
University Ave
Fordham St
Flood depth (feet)
> 5.0
3.0 - 5.0
1.0 - 3.0
< 1.0
N
0
0.5
1
2 Miles

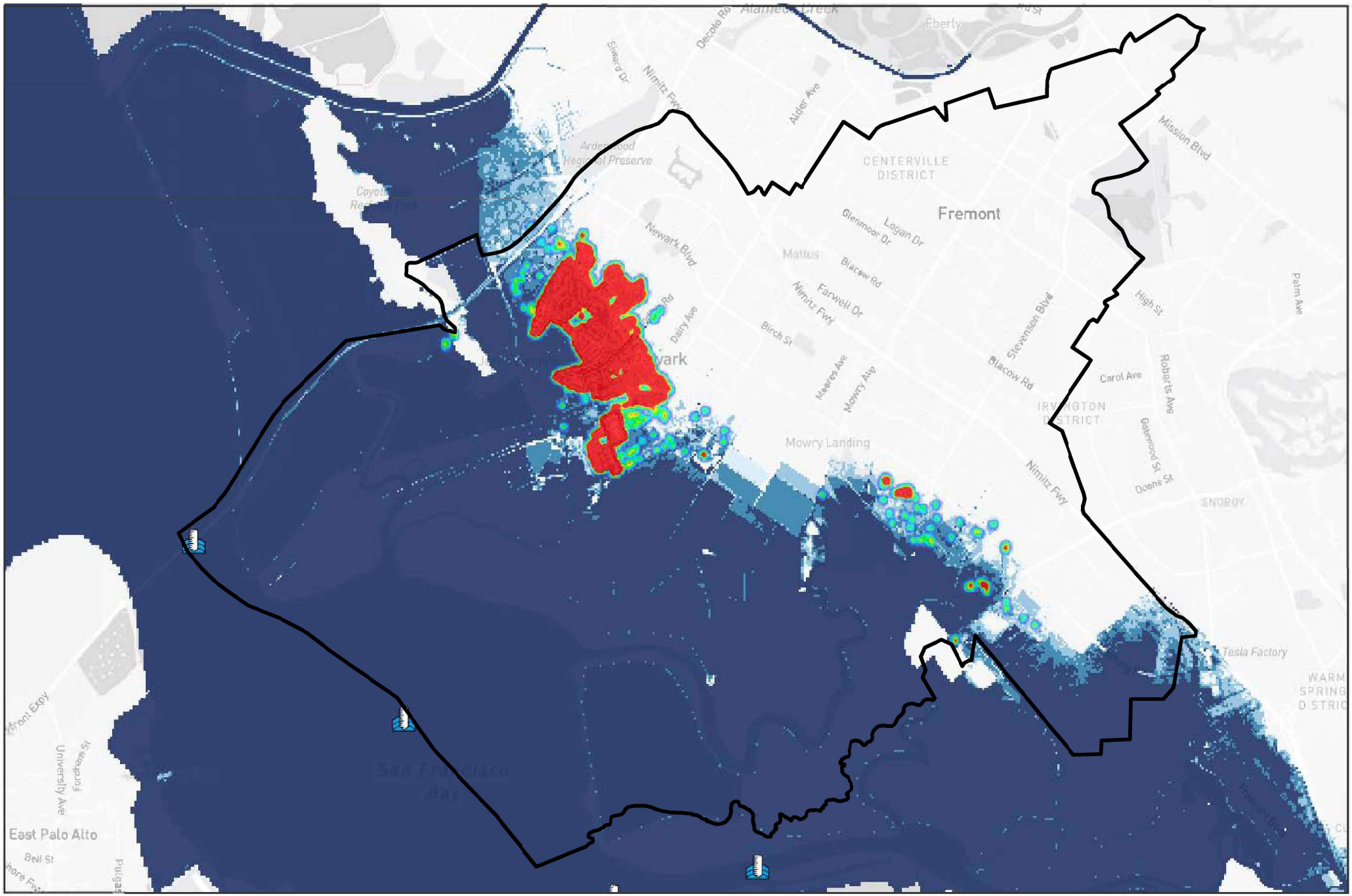
0.8ft SLR


Alameda Creek
Eberly
Decoto Rd
Siward Dr
Nimitz Fwy
Alder Ave
Ardenwood Regional Preserve
Coyote Hills Regional Park
Kaiser Dr
CENTERVILLE DISTRICT
Fremont
Mission Blvd
Glenmoor Dr
Logan Dr
Jarvis Ave
Newark Blvd
Mattos
Blacow Rd
Farwell Dr
Nimitz Fwy
Mayhews Landing Rd
Dairy Ave
Birch St
Newark
Moores Ave
Mowry Ave
Stevenson Blvd
Blacow Rd
High St
Palm Ave
Carol Ave
Roberts Ave
IRVINGTON DISTRICT
Gatewood St
Deane St
Central Ave
Mowry Landing
Nimitz Fwy
SNOBOY
Tesla Factory
University Ave
Fordham St
Palo Alto
Flood depth (feet)
> 5.0
3.0 - 5.0
1.0 - 3.0
< 1.0
N
0
0.5
1
2 Miles

3.1ft SLR

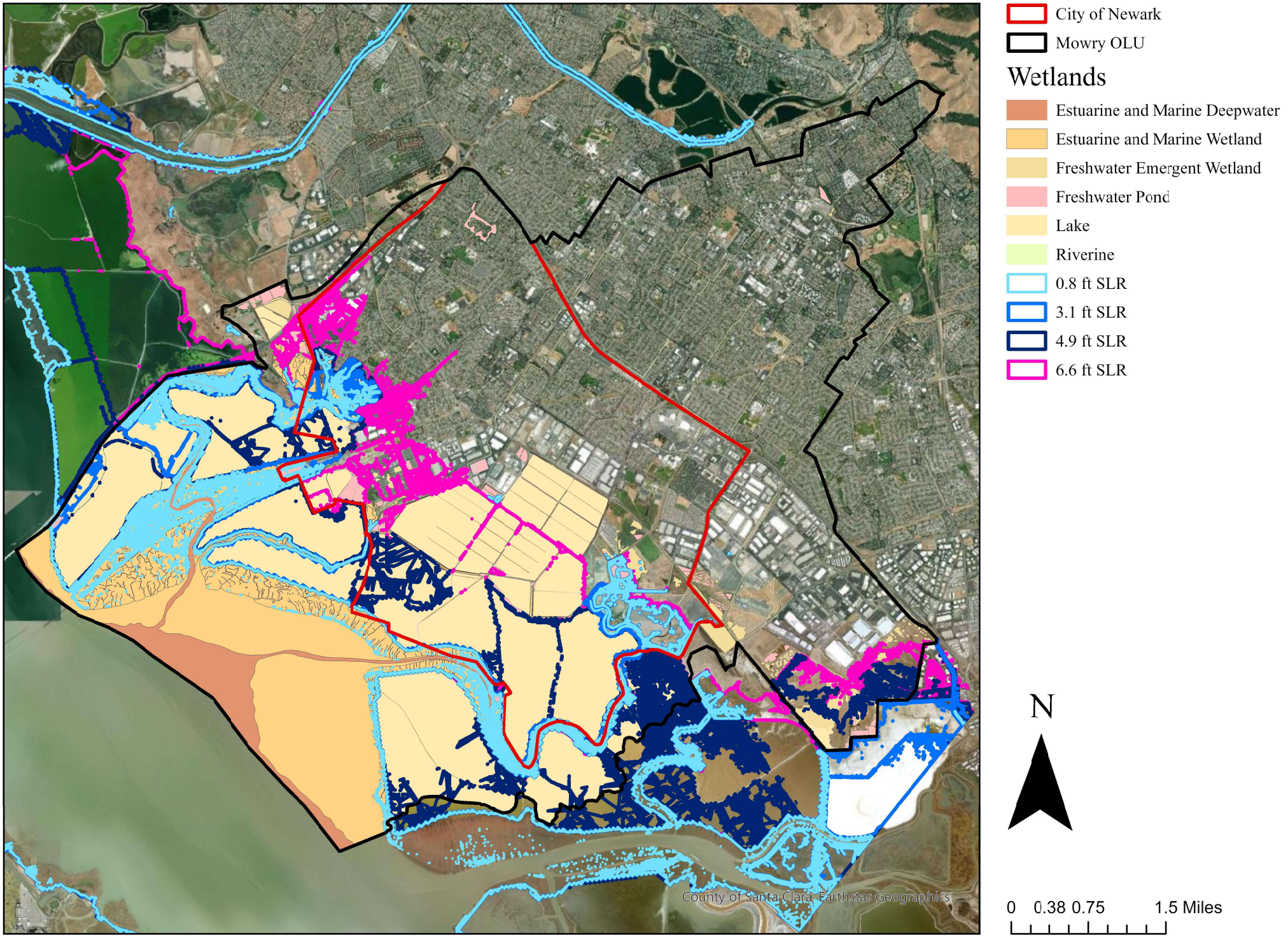

Alameda Creek
Eberly
Decoto Rd
Siward Dr
Nimitz Fwy
Alder Ave
Mission Blvd
Ardenwood Regional Preserve
CENTERVILLE DISTRICT
Fremont
Glenmoor Dr
Logan Dr
Newark Blvd
Mattos
Blacow Rd
Farwell Dr
Nimitz Fwy
Dairy Ave
Birch St
Stevenson Blvd
High St
Palm Ave
Newark
Moores Ave
Mowry Ave
Blacow Rd
Carol Ave
Roberts Ave
IRVINGTON DISTRICT
Mowry Landing
Gatewood St
Nimitz Fwy
Dcane St
SNOBOY
Tesla Factory
WARM SPRING DISTRICT
San Francisco Bay
University Ave
Fordham St
Palo Alto
Flood depth (feet)
> 5.0
3.0 - 5.0
1.0 - 3.0
< 1.0
N
0
0.5
1
2 Miles

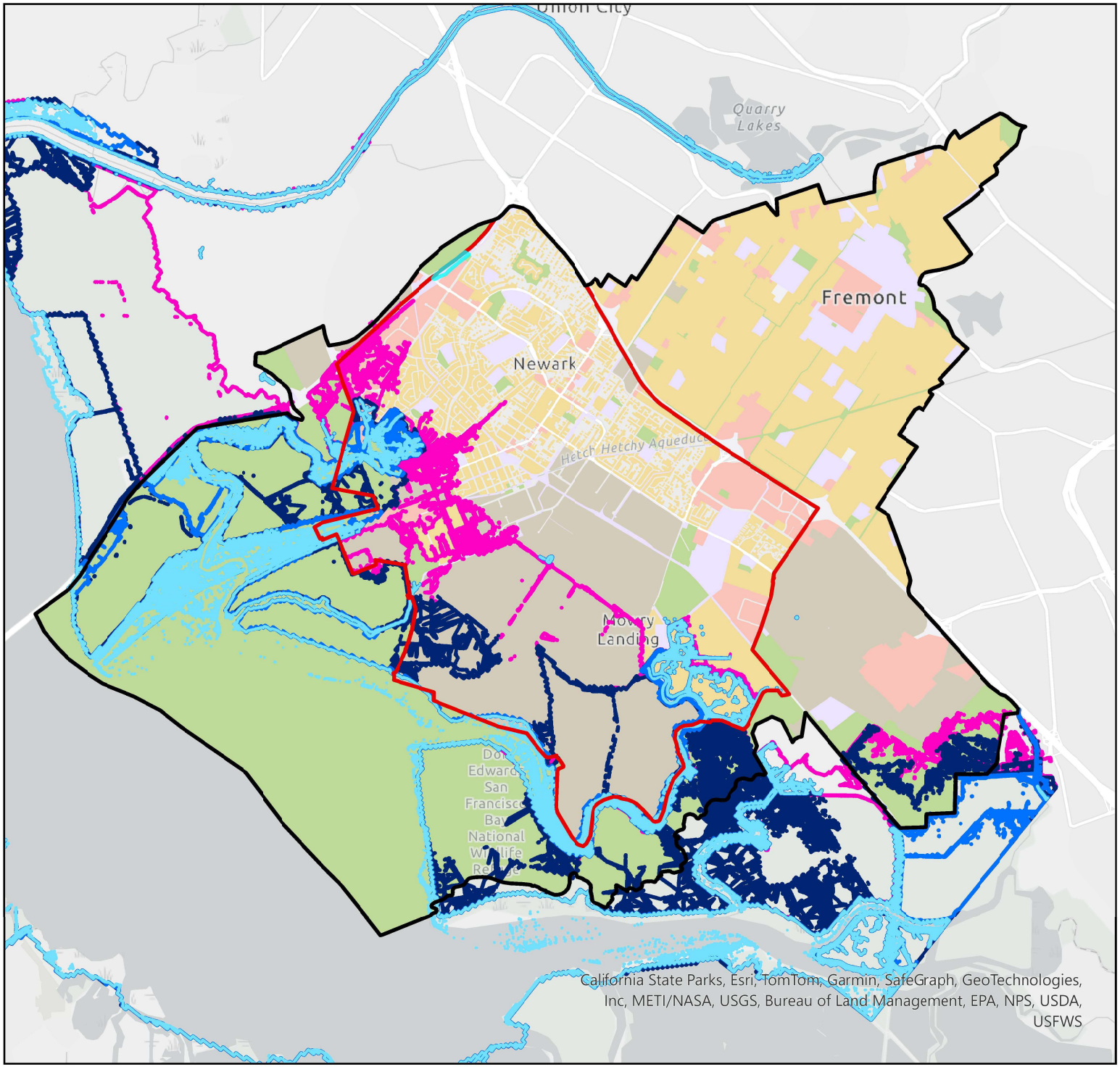
4.9ft SLR


Fremont
CENTERVILLE DISTRICT
Mowry Landing
East Palo Alto
Tesla Factory
Flood depth (feet)
> 5.0
3.0 - 5.0
1.0 - 3.0
< 1.0
N
6.6ft SLR
0
0.5
1
2 Miles

Appendix D

Qualitative Assessment Maps


City of Newark
Mowry OLU
Wetlands
Estuarine and Marine Deepwater
Estuarine and Marine Wetland
Freshwater Emergent Wetland
Freshwater Pond
Lake
Riverine
0.8 ft SLR
3.1 ft SLR
4.9 ft SLR
6.6 ft SLR
N
0 0.38 0.75 1.5 Miles
County of Santa Clara, Earthstar Geographics



Mowry OLU
City of Newark

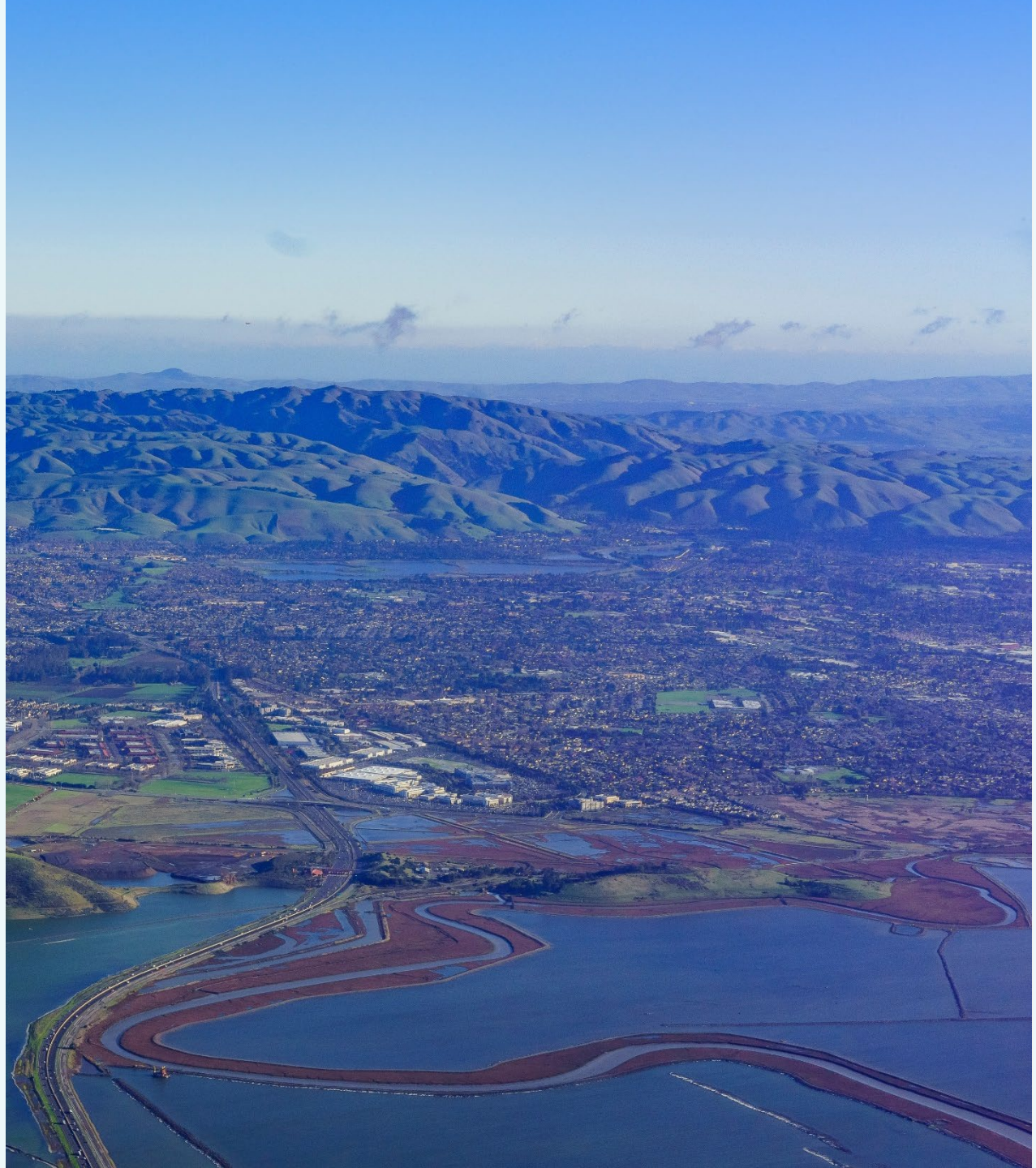
Zoning

Commerical
Industrial
Parks and Open Space
Public Facilities
Residential

3.1 ft SLR
0.8 ft SLR
4.9 ft SLR
6.6 ft SLR

N

0 0.4 0.8 1.6 Miles



City Council Presentation on Sea Level Rise

July 24, 2025

It is our Mission to Serve and Partner with our Community to Continually Enhance the Quality of Life of Everyone in Newark.

NEWARK
california

Introduction & Goals

Meeting Goals

1. Share updates on project schedule and anticipated outcomes

2. Review modelling results on flood hazard, vulnerability, and risk assessment

3. Discuss community engagement and next steps on adaptation

Newark: Changing Shoreline

Historical Shoreline - 1950



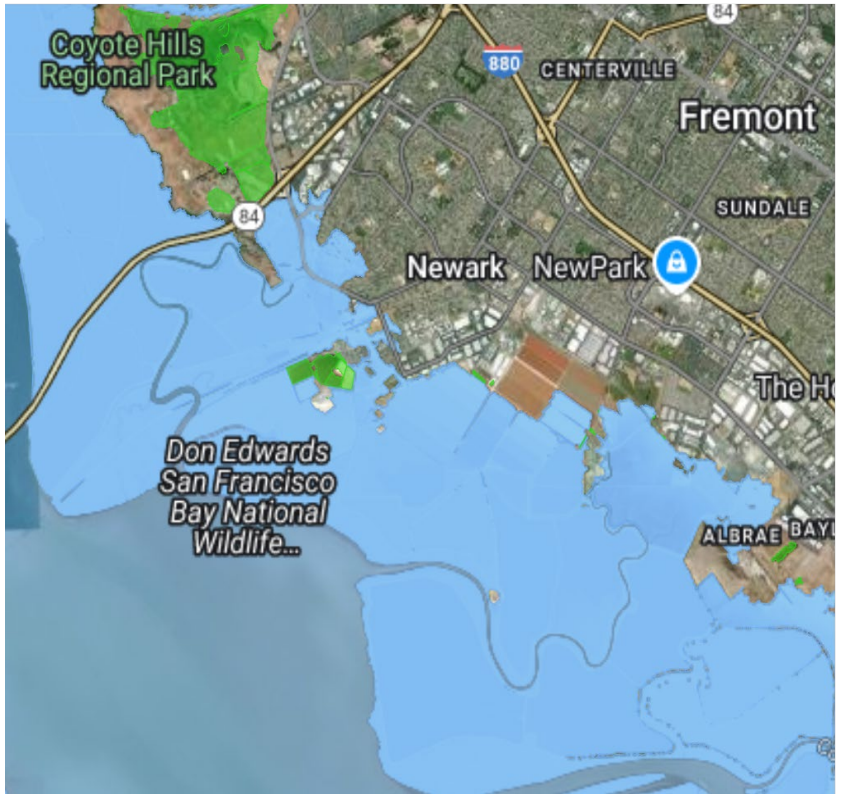
Newark aerial- salt pond and two bridges. Nov 22, 1950

Present Shoreline - 2024



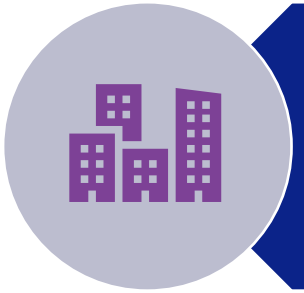
Google Earth satellite imagery

Future Shoreline - 2100?

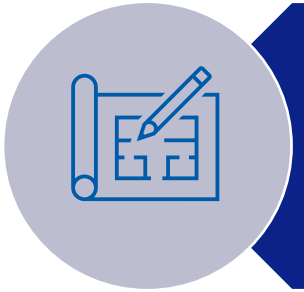


Flood Hazard Map – 4.9ft SLR

Project Objectives



Resilience to sea level rise

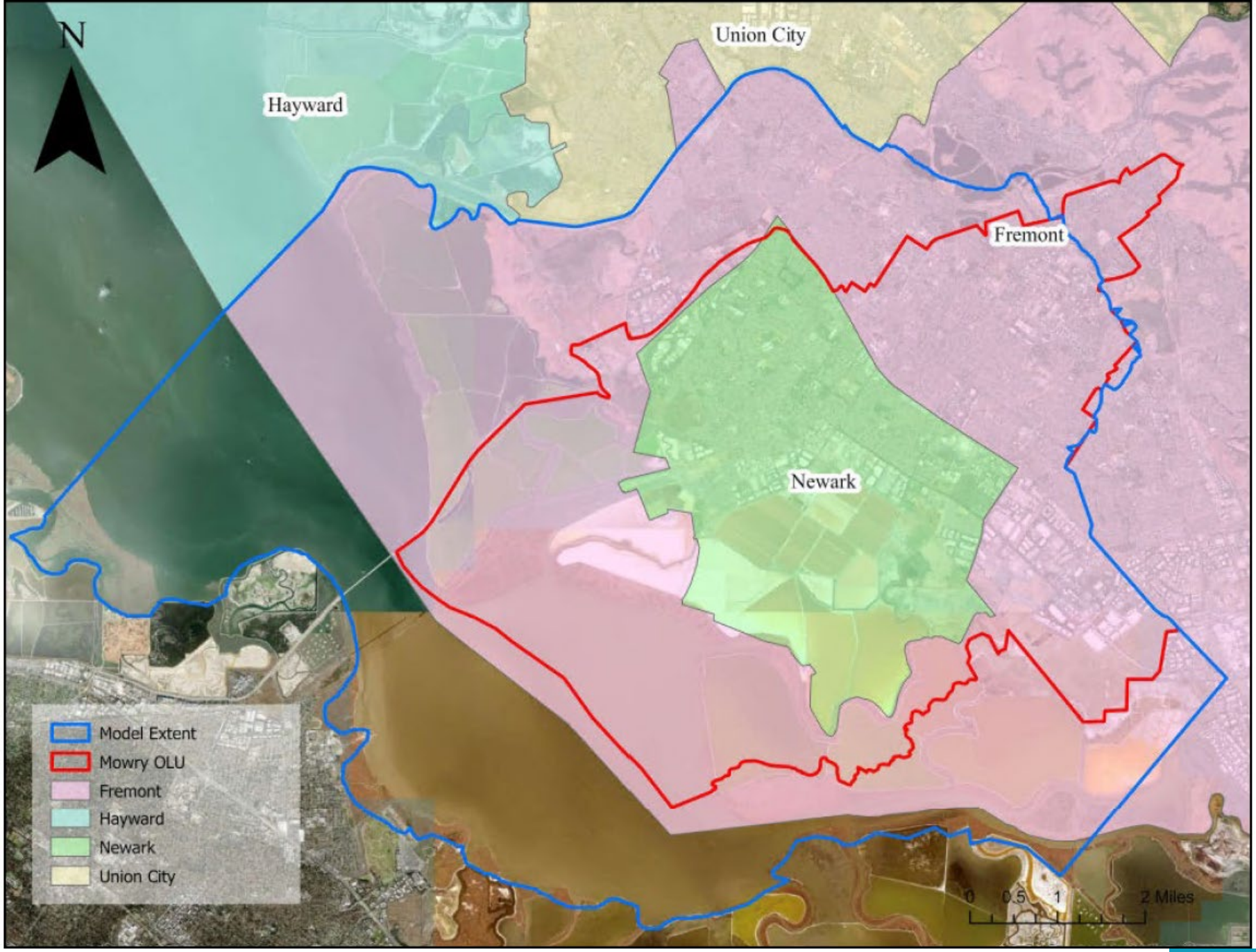


Robust analysis to develop case for real-world projects

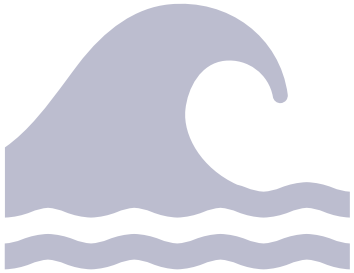


Lay the foundation for adaptation projects

Study Area


N
Union City
Hayward
Fremont
Newark
Model Extent
Mowry OLU
Fremont
Hayward
Newark
Union City
0
0.5
1
2 Miles

What is involved in this effort?



Flood & SLR Modelling

- Where does it flood today?
- Where might it flood in the future?



Vulnerability & Risk Assessment

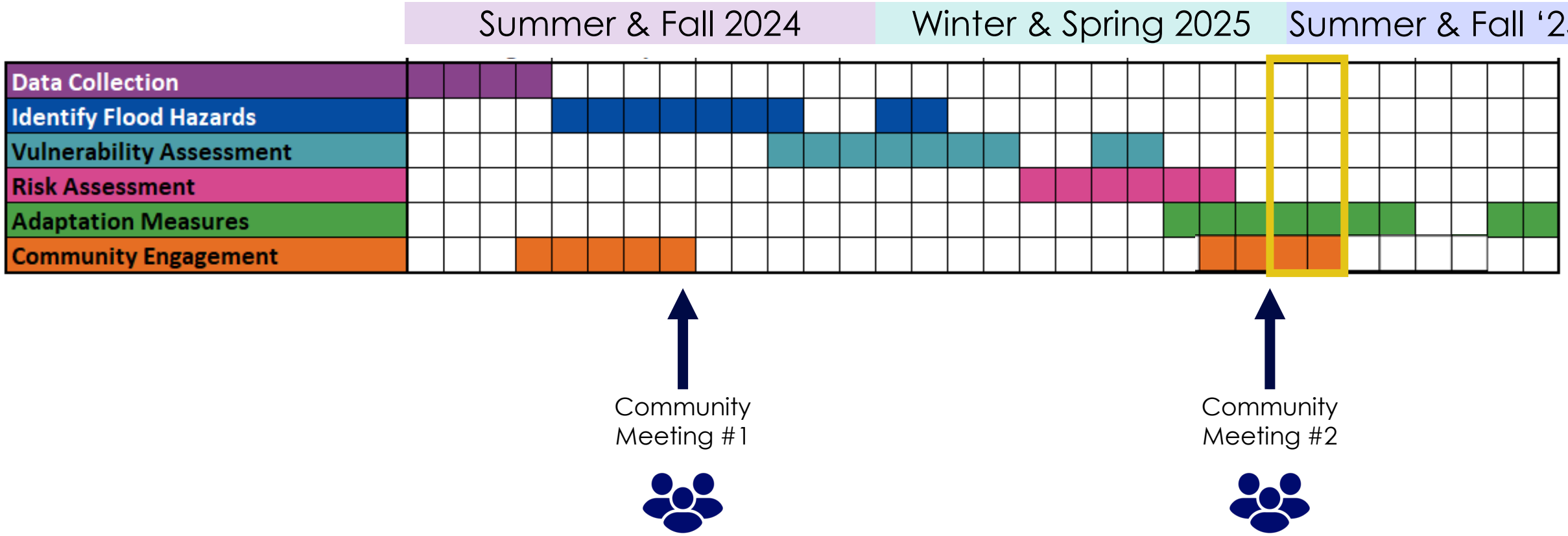
- How will our community be impacted by flooding?



Adaptation Strategy

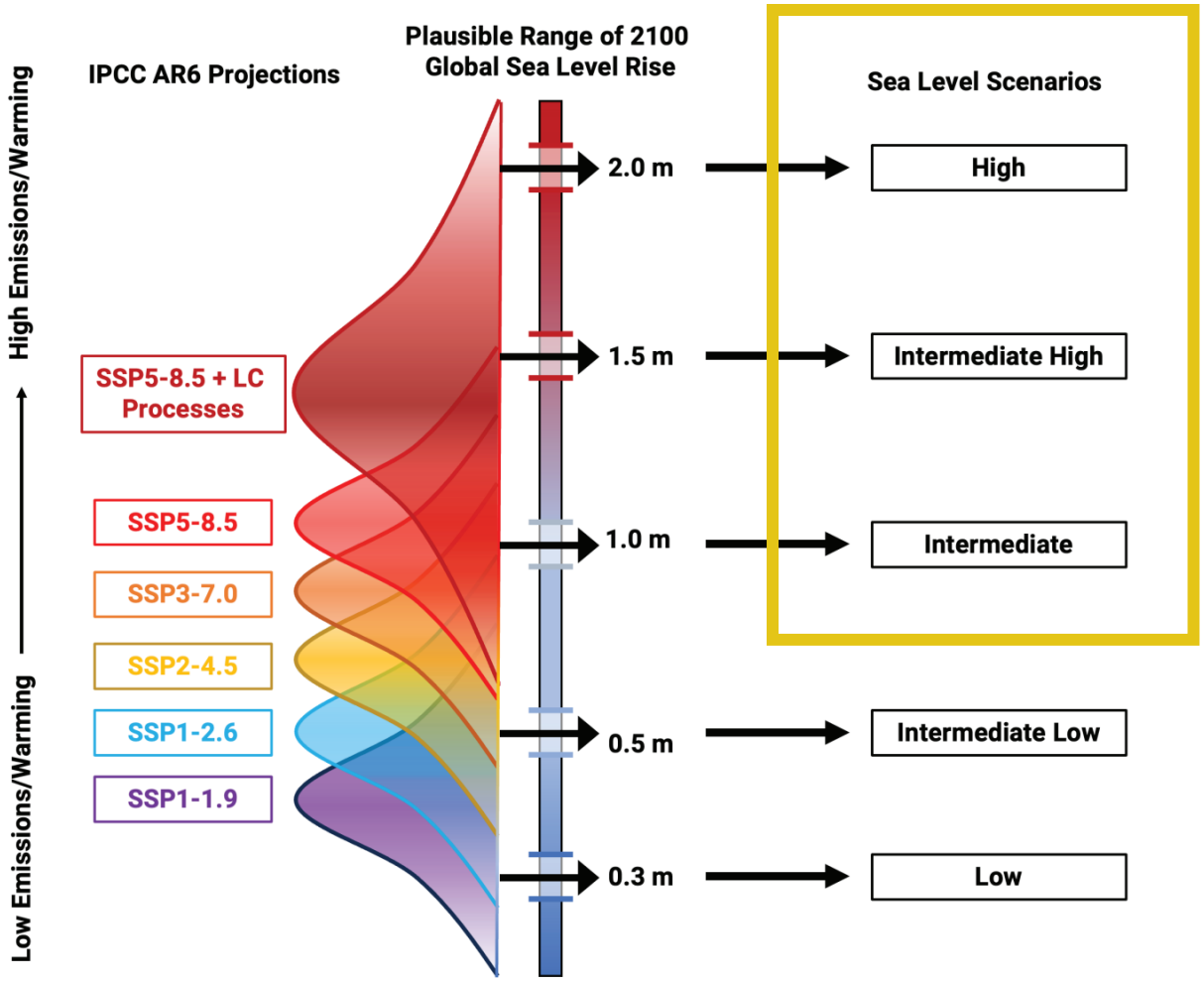
- What can we do to address present and future flood risk?

Project Schedule



Modeling Results

Climate Change & Sea Level Rise



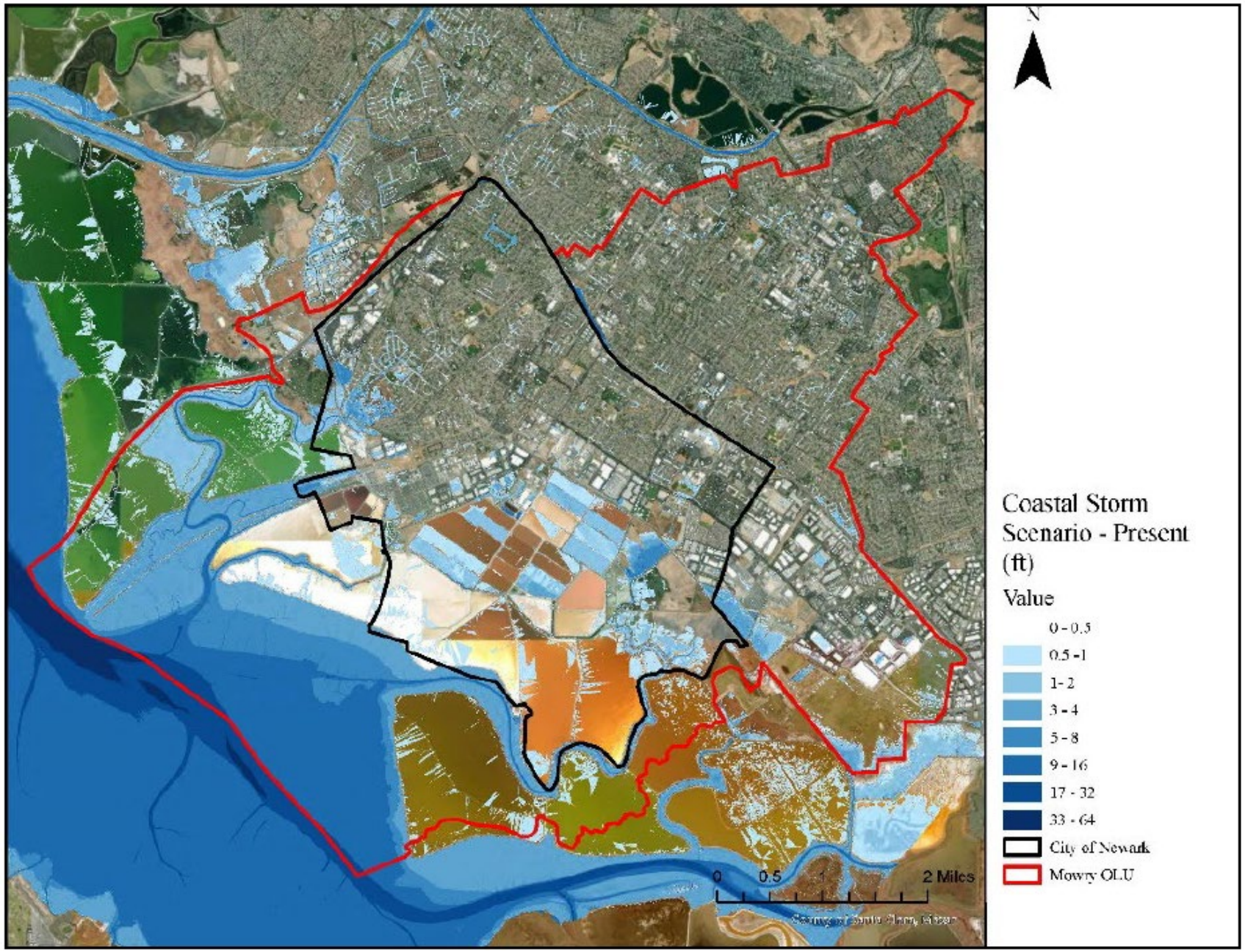
Regional guidance from BCDC to use these scenarios.

Value	Scenario
0.8 ft	2050
3.1 ft	2100 Intermediate
4.9 ft	2100 Intermediate-High
6.6 ft	2100 High

Storm Scenarios

Focus on Mowry OLU outlined in **red**

Includes:
- Storm surge
- Precipitation

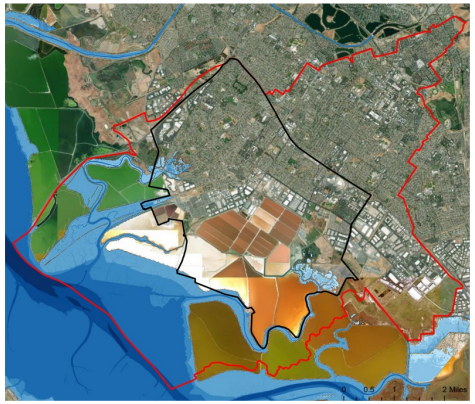


Future with SLR

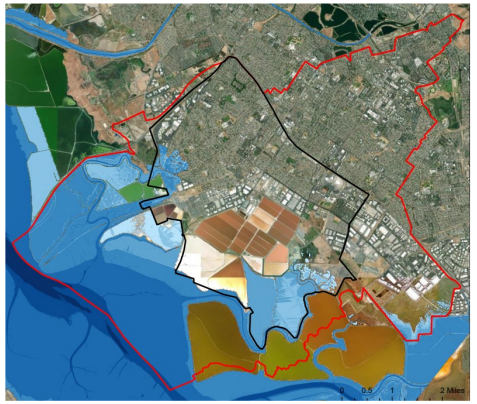
0.8ft SLR



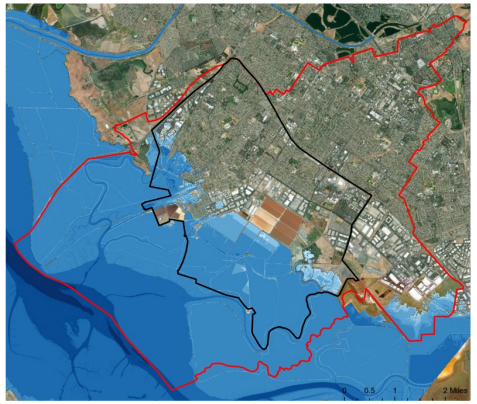
3.1ft SLR



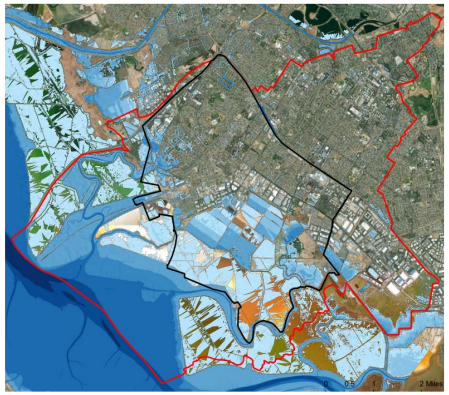
4.9ft SLR



6.6ft SLR



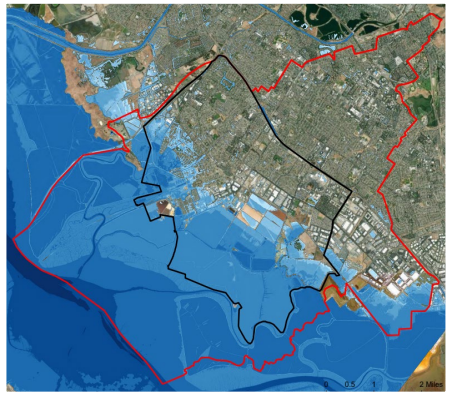
+ Storm



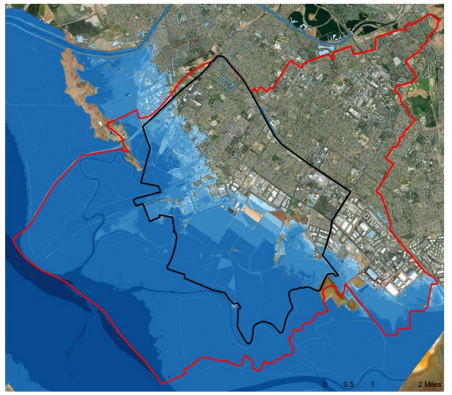
3.1 ft SLR + Storm



4.9 ft SLR + Storm



6.6 ft SLR + Storm



Flood Hazard Takeaways

Present Day

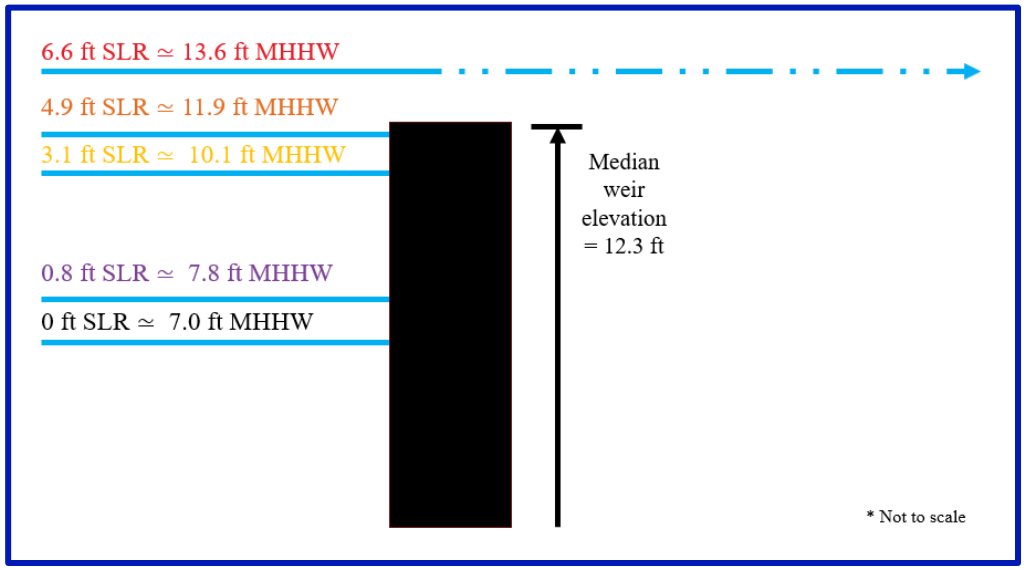
- Inland storm flooding in populated areas
- Berms & weirs in bay / salt farms provide protection

By 2050

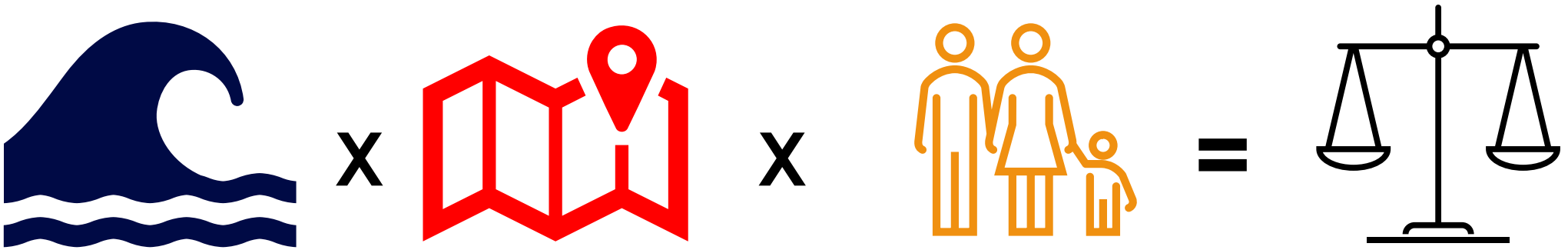
- Due to SLR, some areas may flood on sunny days
- Storms increase depth & extent of flooding

By 2100

- NW & SE areas see most extensive flooding
- By 6.6ft (2100 High Scenario), many homes, businesses, and green spaces may flood regularly

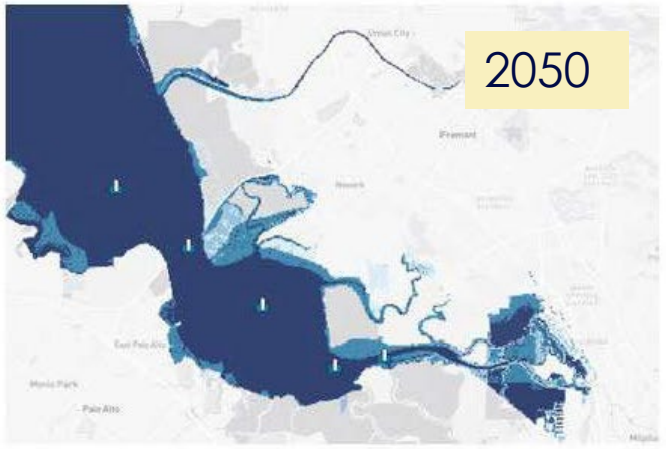


What is risk?

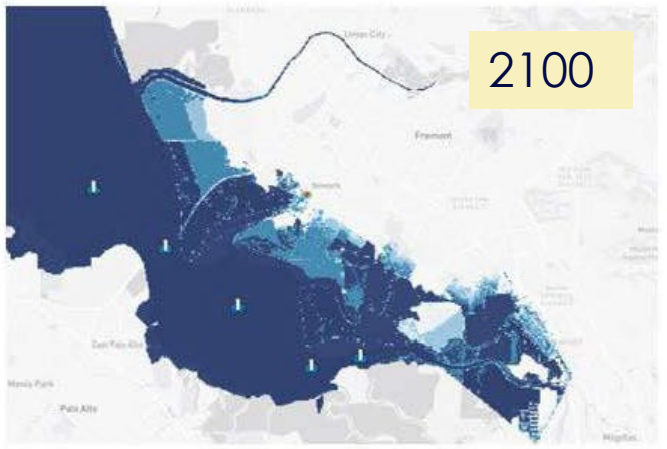


Hazard Exposure Vulnerability Risk

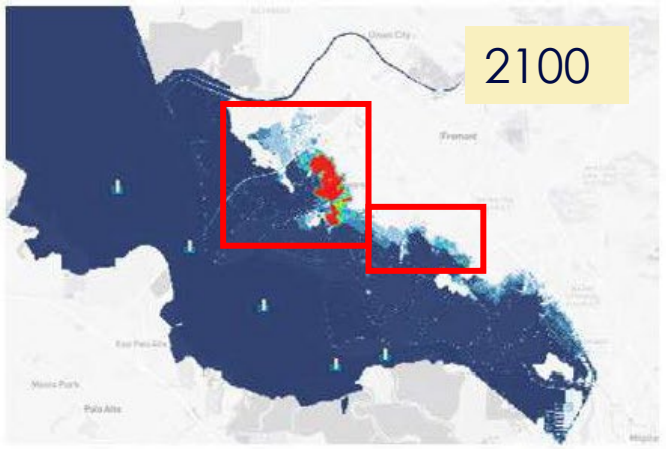
Risk results



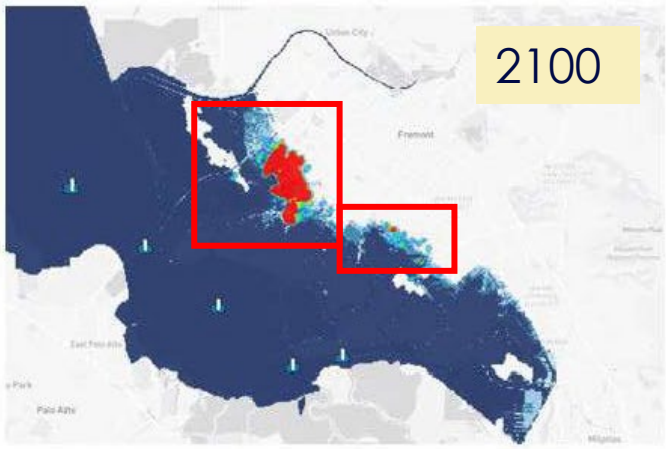
0.8 ft SLR



3.3 ft SLR



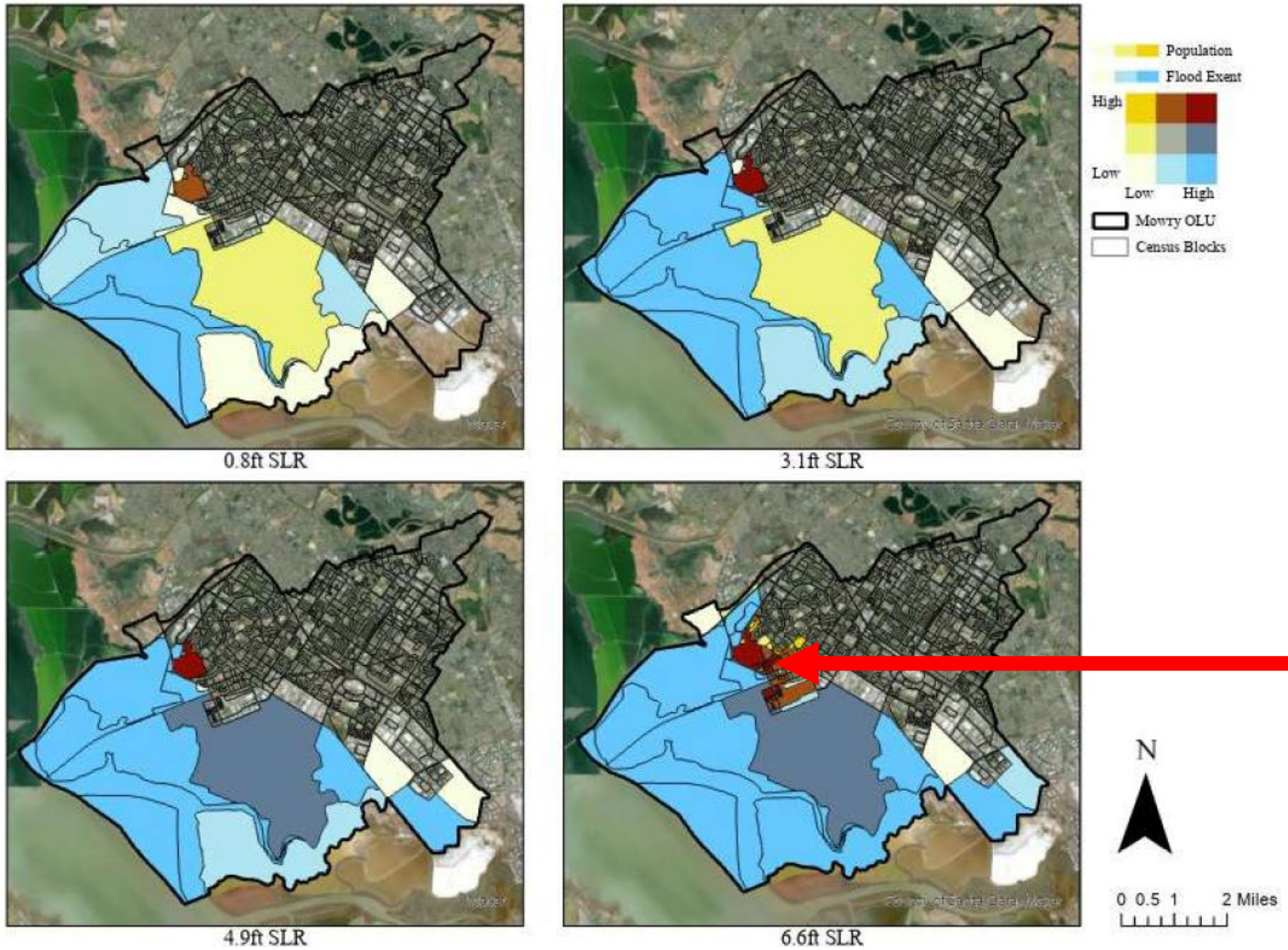
4.9 ft SLR



6.6 ft SLR

- Damage to infrastructure exposed starting 4.9ft SLR (2100)
- Location most concentrated in the northwest region of the City

Population



Northwest part of Newark is most exposed, affected in all future flood scenarios.

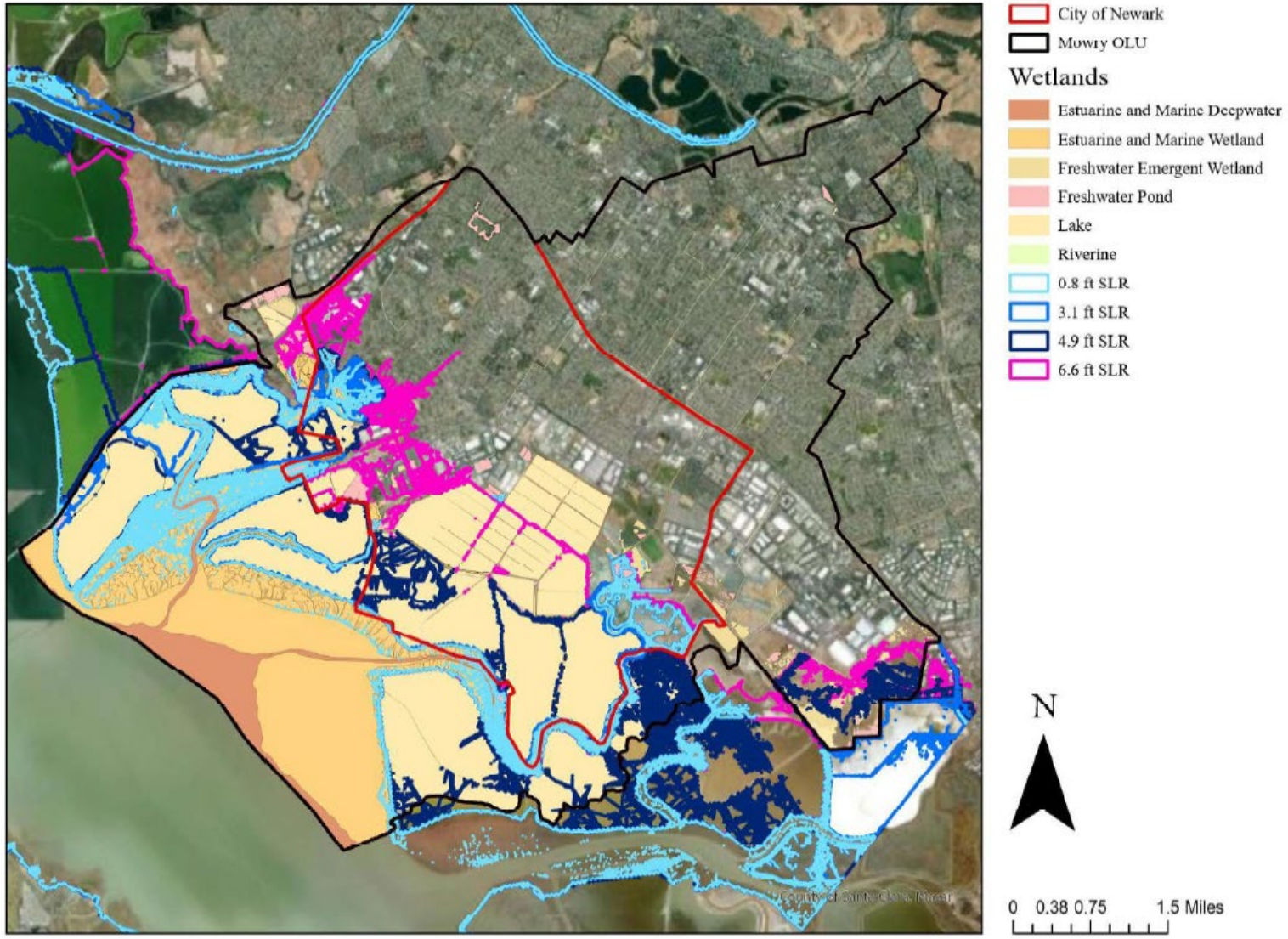
Significant increase in 2100 scenarios:

4.9ft & 6.6ft SLR

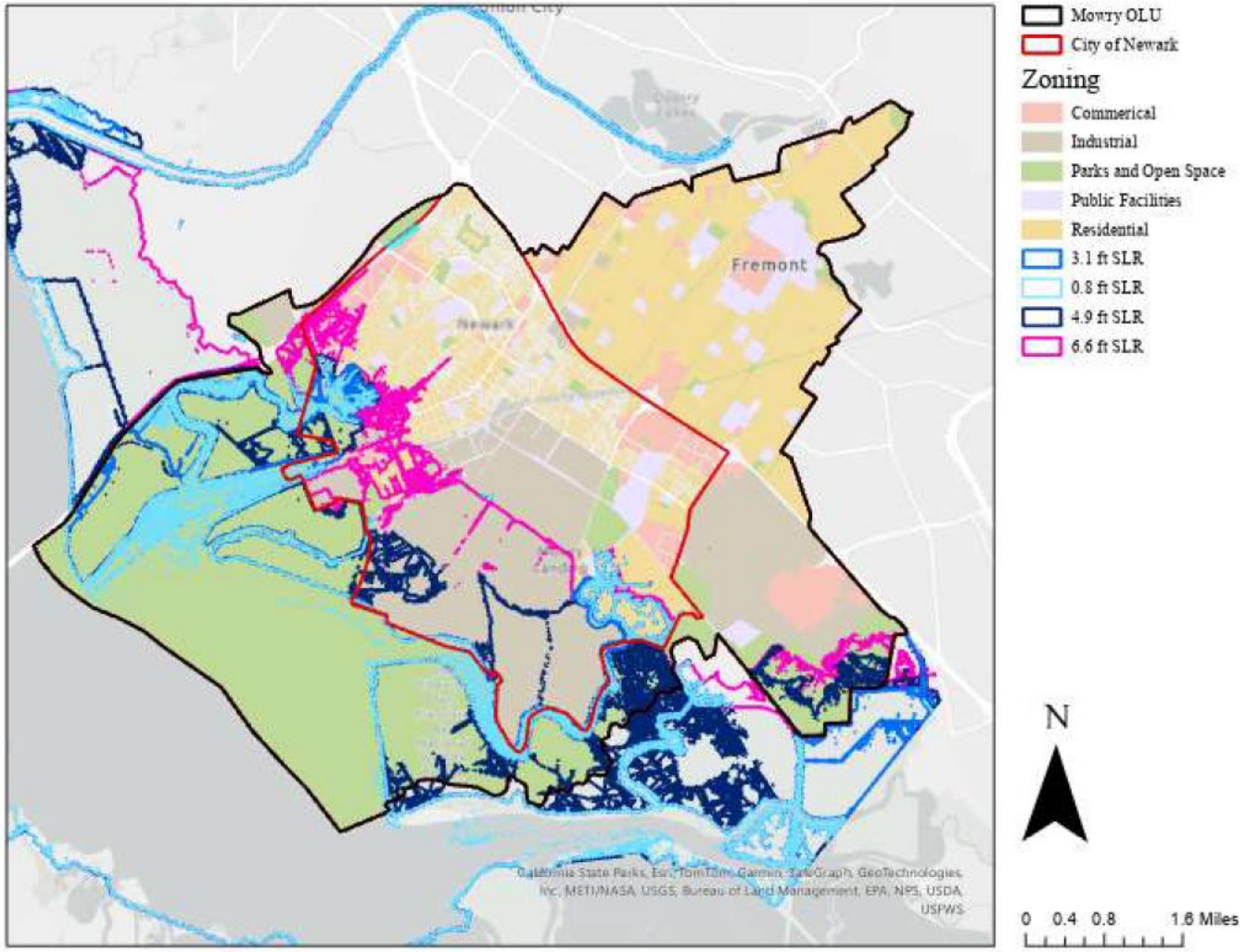
Wetlands habitats

- **Freshwater ponds & emergent wetlands**
  - 20 acres inundated in 2050
  - 20-180 acres inundated 2100
- **Estuarine & marine wetlands**
  - 90% below MHHW by 2050

These changes could disrupt ecosystems, reduce biodiversity, and weaken natural flood protection.



Land Use



More exposed

- **Commercial:** 1% - 20% of area exposed by 2100
- **Industrial**: 1% - 35% of area exposed by 2100, primarily salt farms

Less exposed

- **Residential** : 1% - 2% of area exposed by 2100
- **Public**: 1% - 3% of area exposed by 2100

Buildings

By 2050

SLR will start to affect a small number of **industrial and public** buildings.

By 2100

SLR will begin to affect all types of buildings, and **residential buildings** are most impacted by 4.9-6.6ft

Building Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Public Buildings	10	30	70	100
Industrial Buildings	2	15	70	110
Commercial Buildings	0	2	70	100
Residential Buildings	0	5	280	1,800
Emergency Facility	0	0	0	3
Hospitals and Care Centers	0	0	2	4
Schools	0	0	0	3
Total Count	**12**	**52**	**492**	**2,120**

Roads & Trails

By 2050

No permanent loss of roads, but trails begin to be affected.

By 2100

By the end of the century, **up to 65mi of roads and trails** are under water.

Type of Road	Total Length (mi)	Mid-century (2050)	End-of-century (2100)		
		0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Arterial	1	0	0	0.4	0.4
Residential	9	0	3.2	18	26
Major Road	40	0	2.4	11	13
Freeway	15	0	0	1.3	2.2
Trails	75	10	15	20	23
Total Roads & Trails (mi)	**221**	**10**	**20.6**	**50.7**	**64.6**

Infrastructure & Utilities

2050

- **Rail**: ~1.5mi of rail lines inundated
- **Sewer**: 1mi of active sewer lines and 5 sewer manholes inundated
- **Power**: 4mi of transmission lines within flooded areas

2100

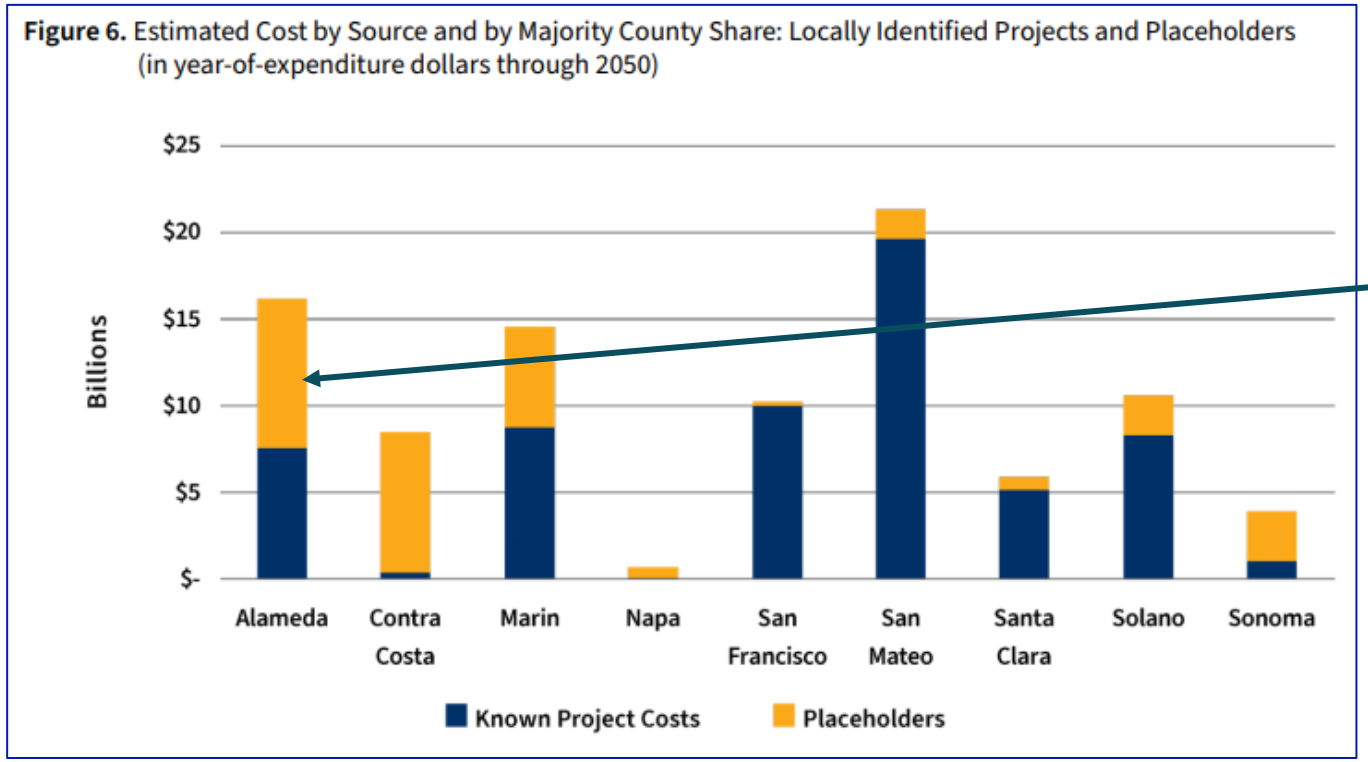
- **Rail**: 3mi to 6mi of rail lines inundated
- **Sewer**: 4-17mi of active sewer lines and up to 1,000 sewer manholes inundated
- **Power**: 20mi to 40mi of transmission lines and one electrical substation exposed

Total Estimated Losses for Mowry OLU in Millions

Asset Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Buildings	$45	$200	$1,500	$3,100
Roads	$0	$70	$360	$490
Rail	$4.5	$7.5	$14	$17
Sewer	$1.7	$5.7	$22	$32
Power	$20	$115	$160	$180
Total Loss (in millions)	**$71**	**$398**	**$2,056**	**$3,819**

Total Estimated Losses for Mowry OLU in Context

Asset Type	Mid-century (2050)	End-of-century (2100)		
	0.8ft SLR	3.1ft SLR	4.9ft SLR	6.6ft SLR
Total Loss (in millions)	$71	$398	$2,056	$3,819



Estimated adaptation needs by 2050 for each Bay Area county (MTC/ABAG, 2023).

For Alameda County: ~$16B

Vulnerability & Risk Results Takeaways

When are the impacts of SLR felt?

- 4.9ft or more SLR by 2100
- There is time to act!

What assets & infrastructure are exposed **by 2050**?

- ~10 public & industrial buildings
- ~10mi of trails
- Some utility infrastructure

What assets & infrastructure are exposed **by 2100**?

- ~50 to 2,000 primarily residential buildings
- ~20mi to 60mi of roads & trails
- More utility infrastructure

How much are the losses?

- ~$70M by 2050
- ~$400M to ~$4B by 2100

Community Engagement & Next Steps

Community Engagement

Two well-attended community meetings were held at the Library.





Both included breakout activities with smaller groups, such as providing feedback on the SLR maps.

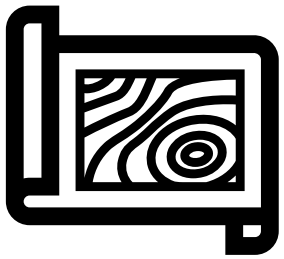
What is climate adaptation?

- Adjustments in **ecological, social, or economic systems** in response to actual or expected climatic impacts.

- Changes in processes, practices, and structures to **moderate potential damages** or to **benefit from opportunities** associated with climate change.



Next Steps



Select key areas with flood risk for adaptation work

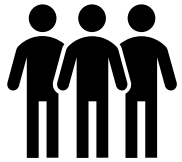


Align on principles & guardrails



Review toolkit of adaptation solutions

Adaptation Principles



1. **Centered on People**: Which people or neighborhoods in Newark do you think are most at risk from sea level rise?

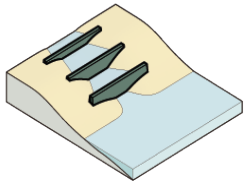


2. **Partnership with the Environment**: What other benefits—like cleaner air, more shade, or better wildlife habitat—would you like to see come from these nature-based projects?

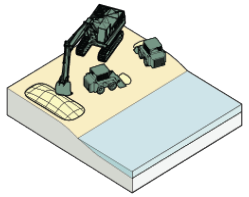


3. **Economic Vitality**: Which local industries or types of jobs are most at risk from flooding?

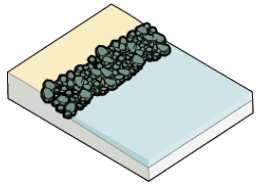
Toolkit of SLR Strategies



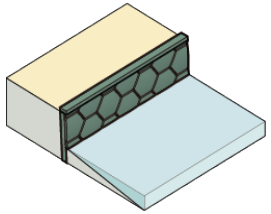
Check Dams



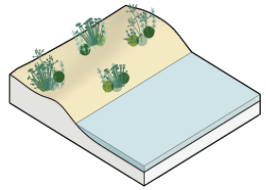
Beach Nourishment



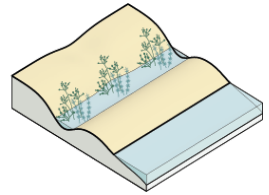
Cobble Berm



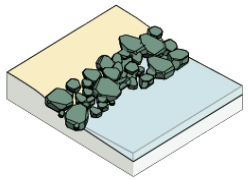
Ecological Enhancement of Coastal Structures



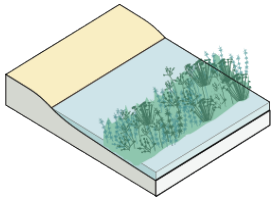
Vegetated Dunes



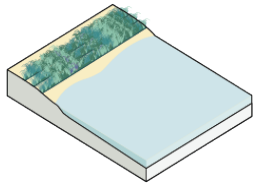
Vegetated Swales



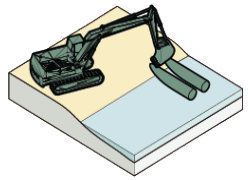
Riprap



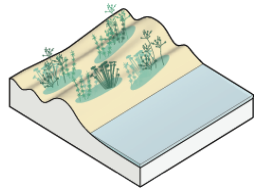
Enhance Intertidal Habitat



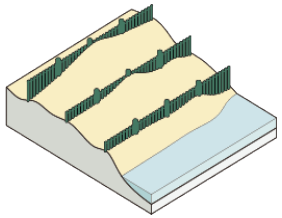
Live Brush layer



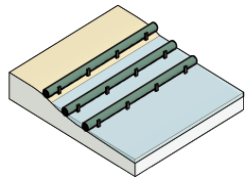
Preserve Natural Drainage



Vegetated Berms



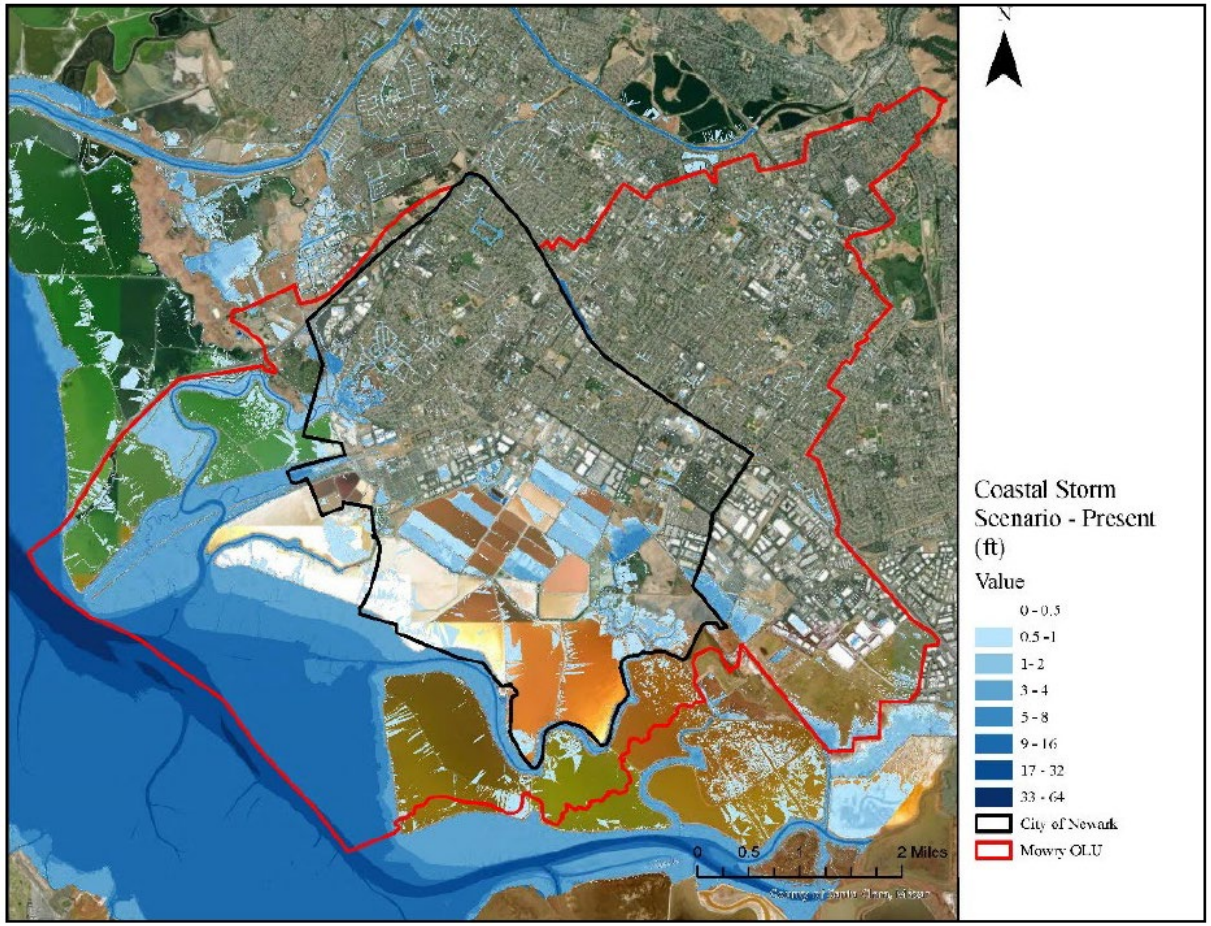
Dune Stabilization



Coir Fence / Logs

RSAP & Regional Coordination






Thank you

STAFF REPORT

Item F. 3.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Nicholas Cuevas, Recreation and Community Services Director
SUBJECT	Presentation of information from Alameda County's 2024 Point-in-Time Count and the City's activities related to homelessness

Staff will present key findings from Alameda County's 2024 Point-in-Time (PIT) Count and provide information on the City's referral efforts and service coordination to address homelessness. Status on the development of Newark's first Five-Year Homelessness Action Plan will also be discussed.

Attachments

Presentation - Homelessness Update

Alameda County 2024 PIT Homelessness Report

City of Newark PIT Count 2024 Infographic

City of Newark 211 Handout



Newark's Homelessness Update

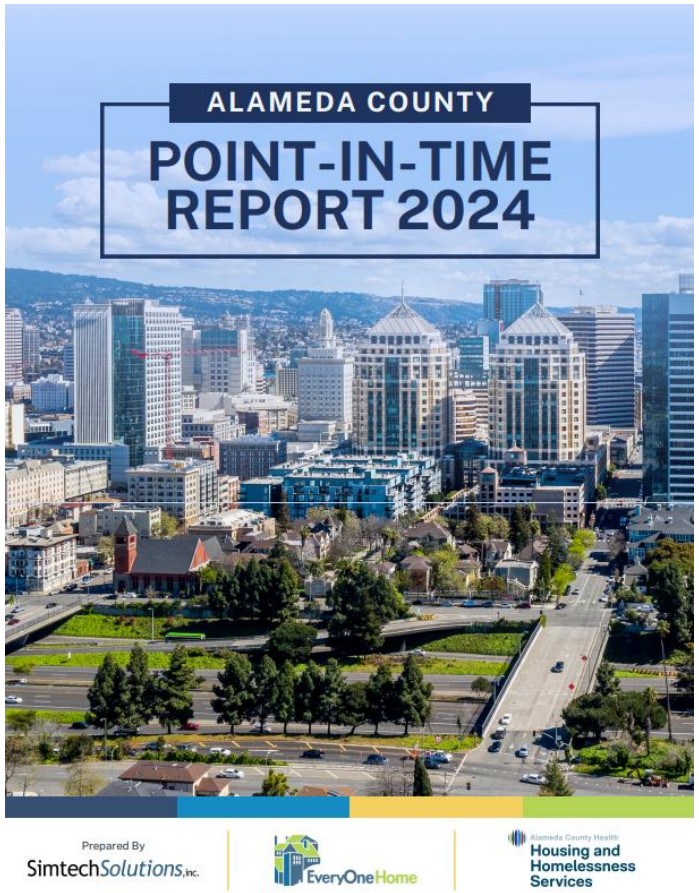
July 24, 2025
City Council Meeting

Nick Cuevas
Recreation & Community Services Director

Agenda

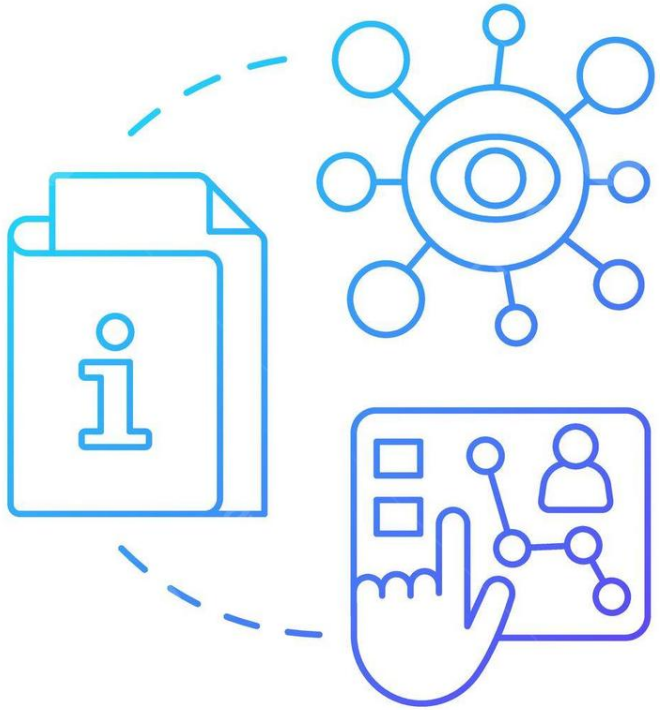
- Alameda County's Point in Time (PIT) Count 2024
  - Newark's PIT Count
- Newark's Response & Resources
- Human Services Information
- Homelessness Action Plan Update
- Q&A

Alameda County Point-in-Time (PIT) Count



- Biennial census of people experiencing homelessness
- Conducted on January 25, 2024
- Required to receive funding from the U.S. Department of Housing and Urban Development
- Data used to inform programs, policies, funding strategies, and system design to end homelessness

County Point-in-Time (PIT) Count Methodology



- What the PIT Count Measures
- New Data-Driven Approach used in 2024
- Limitations of the PIT Count

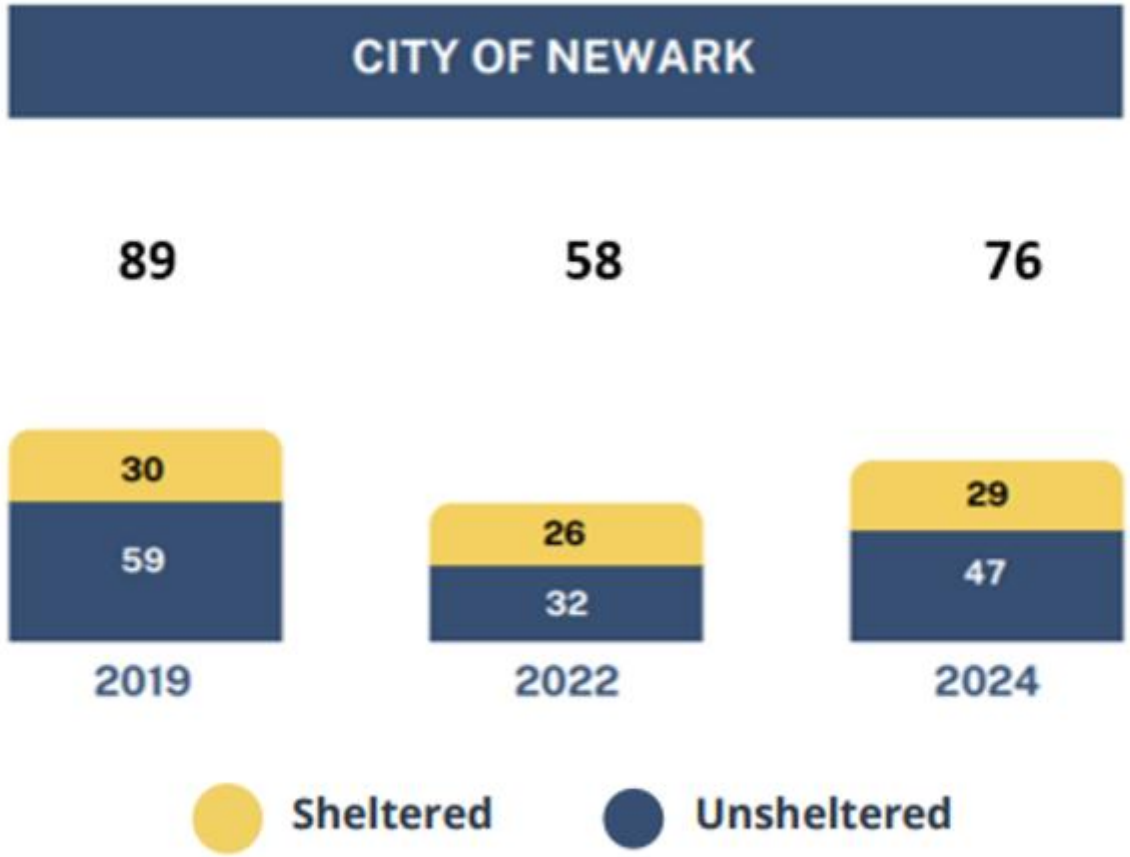
Primary Events Contributing to Homelessness



Alameda County-Wide Prevalent Answers:

- 35.4% Housing Loss
- 22.0% Income Issues
- 18.1% Health Issues
- 18.0% Household Breakup

City of Newark Homeless PIT Count 2024



The City of Newark has a capacity of 34 shelter beds via Second Chance, Inc.

City of Newark Homeless PIT Count 2024

Key Findings from Newark's PIT Count based on surveys taken:

- 73.7% Male (vs. 51.8% in Newark's general population)
- 57.9% of individuals are ages 35–54
- 19.7% of individuals are ages 55 and older; 5% under age 18
- 13.2% Asian/Asian American (vs. 41.8% in Newark's population)
- 21.1% Black/African American (vs. 3.3% in Newark's population)

Newark's Response & Resources



- City Staff Homelessness Committee
- Coordinated response from multiple departments
- Local Homelessness Action Plan
- Webpage with housing and other Human Services resources
  - www.newarkca.gov/homelessness
  - www.newarkca.gov/help

Human Services Information



- Dedicated webpage www.Newarkca.gov/help
- Alameda County Referral Services - 211
- Quick Help Handouts
- Ongoing Food Distributions
- Case Management
- Paratransit Services
- Tri-Cities Navigation Center (Fremont)
- Future Newark Resource Center

Homelessness Action Plan Timeline

Release of RFP
Monday, June 2

Completed

Proposals Due
Friday, July 11

Completed

Anticipated Agreement to Council
Friday, September 11

In-Progress

Estimated Project Completion Timeline: 6 - 12 months



Thank you!

Questions

ALAMEDA COUNTY

POINT-IN-TIME REPORT 2024



Prepared By

SimtechSolutions, inc.

EveryOneHome

Alameda County Health
Housing and Homelessness Services

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ACKNOWLEDGMENTS

The Point in-Time Count is an extremely time and labor-intensive undertaking that requires months of planning and culminates with hundreds of volunteers deploying all across the county on the day of the Count, including people with lived experience of homelessness. The 2024 Count was the most ambitious count ever undertaken in Alameda County and included the leadership and dedication of dozens of community leaders. Alameda County wishes to thank the following leaders and participants who gave generously of their time and expertise.

PIT Planning Team Participants

Affiliation	Name
East Bay Housing Organizations	Aaron Tiedemann
Housing and Homelessness Services (ACH)	Alex Baker
City of Hayward	Amy Cole-Bloom
Housing and Homelessness Services (ACH)	Andrea Zeppa
City of Oakland	C'Mone Falls
Housing and Homelessness Services (ACH)	Carina Leiu
City of Hayward	Carol Lee
City of Emeryville	Charles Harris
City of Oakland	Darlene Flynn
Community Member	Deidre Wan
City of San Leandro	Elsa Castillo
Community Member	Frank Rogers
City of Oakland	Greta Monares
Housing and Homelessness Services (ACH)	Hanna Toda
Housing and Homelessness Services (ACH)	Hannah Moore
Simtech Solutions, Inc.	Jackie Gardner
Housing and Homelessness Services (ACH)	Jennifer Lucky
Alameda County HCD	Jennifer Pearce
City of San Leandro	Jessica Lobedan
Community Member	Jesus Siordia
City of Berkeley	Josh Jacobs
City of Livermore	Josh Thurman
Alameda County CAPE (ACH)	Julia Raifman

Affiliation	Name
Bay Area Community Services	Julie Judge
Alameda County HCD	Katie Alducin
City of Oakland	Kelly Hoffman
City of San Leandro	Kerri Heusler
Housing and Homelessness Services (ACH)	Kerry Abbott
Homebase	Kim Natarajan
Homebase	Kris Maun
City of Fremont	Laurie Flores
Housing and Homelessness Services (ACH)	Lucy Kasdin
Housing and Homelessness Services (ACH)	Lynette Ward
Community Member	Marcela Munoz
Housing and Homelessness Services (ACH)	Marisol Rodriguez-Sanchez
Housing and Homelessness Services (ACH)	Martha Elias
Simtech Solutions, Inc.	Matt Simmonds
Alameda County HCD	Michelle Starratt
CoC Leadership Board	Moe Wright
Social Impact Wheel	Nic Ming
Alameda County HCD	Nick Draper
Alameda Alliance for Health	Oscar Macias
Covenant House	Paida Ndemerma
Simtech Solutions, Inc.	Paige Kieffer
Community Member	Patrick Anderson
City of San Leandro	Pedro Naranjo
Housing and Homelessness Services (ACH)	Phil Clark
City of Piedmont	Pierce MacDonald
Housing and Homelessness Services (ACH)	Riley Wilkerson
East Bay Housing Organizations	Ronnie Boyd
Community Member	Sabrina Abong
City of Oakland	Shaina Nursey-Ford
Allameda Alliance for Health	Shatae Jones
City of Livermore	Shelly Haynes
City of Oakland	Stephanie Singleton

Affiliation	Name
Housing and Homelessness Services (ACH)	Suzanne Campillo
Housing and Homelessness Services (ACH)	Suzanne Warner
Housing and Homelessness Services (ACH)	Ted Aames
City of Oakland	Thanita Adams
Simtech Solutions, Inc.	TJ Swanson
Family Violence Law Center	Tunisia Owens
City of Oakland	VaShone Huff
Community Member	Victoria Paige
Community Member	Wally Rodriguez

Jurisdiction PIT Leadership

Jurisdiction	Local Lead(s)
Albany	Erika Aguilar, Annemarie Heineman
Berkeley	Josh Jacobs
City of Alameda	Marcie Soslau Johnson
Dublin	Shaun Chilkotowsky, Jason Earl, Jordan Foss
Emeryville	Charles Harris
Fremont	Laurie Flores
Hayward	Amy Cole Bloom
Livermore	Shelly Haynes, Josh Thurman
Newark	Art Interiano
Oakland	Thanita Adams, Amauri Collins-McMurray, Vashone Huff, Greta Monares, Shaina Nursey-Ford, LaTonda Simmons
Peidmont	Pierce Macdonald
Pleasanton	Jay Ingram
San Leandro	Elsa Castillo
Unincorporated – Rural East County	Katie Alducin, Phil Clark
Unincorporated – Urban Mid County (Ashland/ Cherryland/ Castro Valley/ Fairview/ Hillcrest Knowles/ San Lorenzo)	Katie Alducin, Phil Clark
Union City	Jesus Garcia

PIT Subcommittees

PIT Volunteer Training Workgroup Participants	
Affiliation	**Name**
Alameda Alliance for Health	Oscar Macias
Alameda Alliance for Health	Shatae Jones
City of Berkeley	Josh Jacobs
City of Oakland	Greta Monares
City of Oakland	Shaina Nursey-Ford
City of Oakland	Thanita Adams
City of Oakland	VaShone Huff
Homebase	Kim Natarajan
Homebase	Kris Maun
Housing and Homelessness Services (ACH)	Riley Wilkerson
Simtech Solutions, Inc.	Jackie Gardner
Simtech Solutions, Inc.	TJ Swanson
Sowing Love	Chloe Green
Union City	Jesus Garcia
Union City	Elaine Winnington

PIT Youth Questions Focus Group Participants	
Affiliation	**Name**
Homebase	Kim Natarajan
Homebase	Kris Maun
Housing and Homelessness Services (ACH)	Marisol Rodriguez-Sanchez
Simtech Solutions, Inc.	TJ Swanson
Simtech Solutions, Inc.	Matt Simmons
Youth Advisory Board	Antonia Pizano
Youth Advisory Board	Ariana Nawabi
Youth Advisory Board	Khantane Jackson
Youth Advisory Board	Paul Berry
Youth Advisory Board	Ray Corona
Youth Advisory Board	Tammy Nguyen

PIT Subcommittees

PIT Compensation Focus Group Participants	
Affiliation	**Name**
Alameda Alliance for Health	Shatae Jones
Alameda Alliance for Health	Yemaya Teague
Alameda County HCD	Katie Alducin
City of Oakland	Darlene Flynn
Community Member	Melissa Moore
Homebase	Kim Natarajan
Homebase	Kris Maun
Housing and Homelessness Services (ACH)	Riley Wilkerson
Simtech Solutions, Inc.	Jackie Gardner
Simtech Solutions, Inc.	TJ Swanson

PIT Survey Question Focus Group Participants	
Affiliation	**Name**
Alameda Alliance for Health	Melissa Eckard
Alameda Alliance for Health	Shatae Jones
Alameda Alliance for Health	Yemaya Teague
City of Berkeley	Josh Jacobs
City of Dublin	Jason Earl
City of Oakland	Greta Monares
City of Oakland	VaShone Huff
Community Member	Marcela Munoz
Community Member	Melissa Moore
Homebase	Kim Natarajan
Homebase	Kris Maun
Housing and Homelessness Services (ACH)	Riley Wilkerson
Simtech Solutions, Inc.	TJ Swanson
Simtech Solutions, Inc.	Jackie Gardner

Consultants Supporting the PIT

Affiliation	Name
Homebase	Kim Natarajan
Homebase	Kris Maun
Simtech Solutions, Inc.	TJ Swanson
Simtech Solutions, Inc.	Matt Simmons
Simtech Solutions, Inc.	Jackie Gardner

Simtech Solutions Inc. created the software, developed the enumeration and sampling protocols, did the analysis, prepared the HUD tables, and prepared the draft reports for this effort.

Alameda County wishes to acknowledge staff at the AC Health Housing and Homelessness Services who assisted in completing this report and associated materials including Jonathan Russell, Kerry Abbott, Suzanne Warner, and Riley Wilkerson. Katharine Gale Consulting assisted in preparing the final report and accompanying materials. Ryan Gamba of AC Health Integrated Planning Team assisted with in-depth data analysis that was included in the report. Alex Baker, Suzanne Campillo, and others on the AC Health HMIS team completed the Shelter Count Methodology.

EXECUTIVE SUMMARY

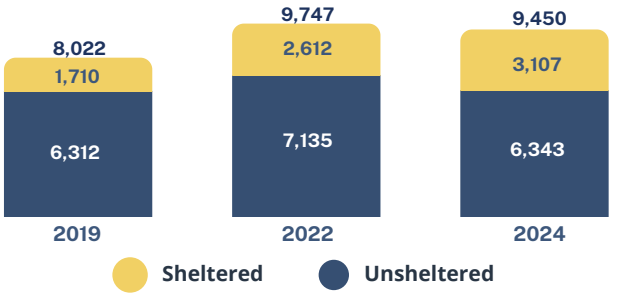
Every two years, during the last 10 days of January, communities across the United States conduct a count of people experiencing homelessness. The 2024 Alameda County Point-in-Time (PIT) Count was a communitywide effort conducted on January 25, 2024. This effort included an administrative count of all people sheltered that night, a geographic sampling and enumeration approach to count unsheltered people, and a survey conducted with 1,506 people experiencing homelessness to provide details about the population and their experiences. More than 1,200 volunteers supported this critical effort.

For the first time since 2013, overall homelessness declined slightly (down 3% from 2022) and unsheltered homelessness declined significantly (down 11% since 2022). The infographics below highlight key findings from the 2024 Count. Population data from the enumeration of sheltered and unsheltered individuals is shown in numbers, while responses to the survey are shown below in percentages.

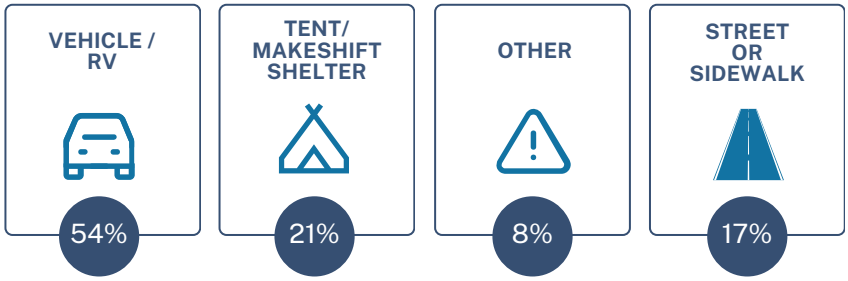
ALAMEDA COUNTY

HOMELESS CENSUS & SURVEY 2024 EXECUTIVE SUMMARY

POINT IN TIME COUNT TRENDS



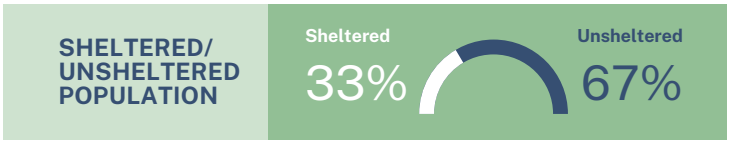
UNSHELTERED SLEEPING LOCATIONS



RESIDENCE PRIOR TO BECOMING HOMELESS

Within Alameda County	Outside of Alameda County
78%	22%

SHELTERED/ UNSHELTERED POPULATION



HOUSEHOLDS CHARACTERISTICS

Chronic Homelessness	Survivors of Domestic Violence	Veterans	Unaccompanied Youth	First Time Homeless	LGBTQIA+ Community
37.6%	32.1%	7.0%	4.2%	57%	9.4%

GENDER IDENTITIES

MAN	WOMAN	ADDITIONAL GENDER IDENTITIES
66.6%	30.7%	2.7%

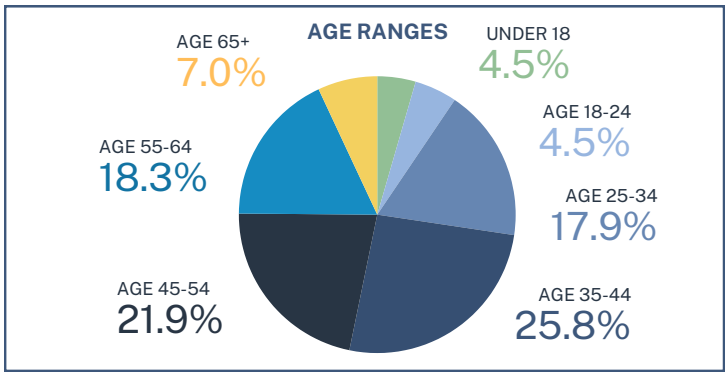
LENGTH OF CURRENT EPISODE OF HOMELESSNESS (IN MONTHS)

0-3	4-6	7-11	12-23	24-35	36+
6%	5%	6%	10%	14%	59%

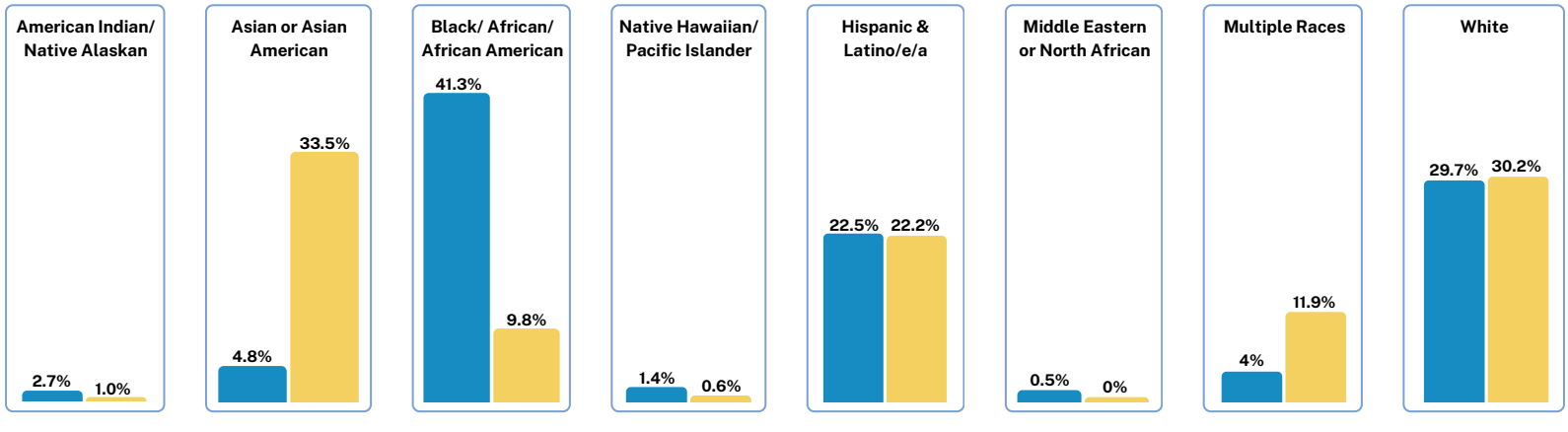
LENGTH OF TIME LIVING IN ALAMEDA COUNTY

< 1 Year	1-4 Yrs	5-9 Yrs	10+ Yrs
7.1%	9.2%	8.4%	75.3%

AGE RANGES



RACE IDENTITIES COMPARED TO GENERAL POPULATION



ALAMEDA COUNTY

HOMELESS CENSUS & SURVEY 2024 EXECUTIVE SUMMARY

SELF-REPORTED DISABILITY PREVALENCE

Substance Use Disorder	Serious Mental Illness	Chronic Health Issues	Physical Disability	Developmental Disability	HIV/Aids Related Illness	Any Disabling Condition
28.5%	34.8%	30.4%	32.5%	17.4%	2.7%	60%

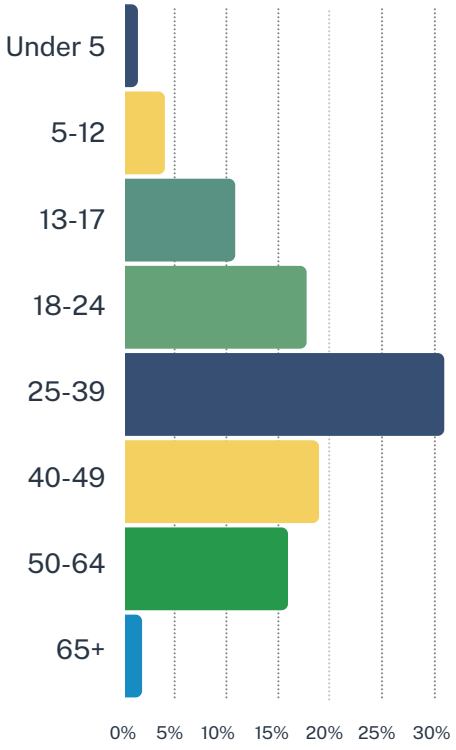
PRIMARY CAUSES OF HOMELESSNESS

Housing Loss Related	Job Loss/ Income Related	Health Related Issues	Household Loss/ Breakup Related
35.4%	22%	18.1%	18%

ADDITIONAL HOUSEHOLD CHARACTERISTICS

Pregnant or Expecting a Child	Interaction with Criminal Justice in Past Year	Unsheltered People with Employment	Unsheltered People with a Pet
1.8%	32.5%	10%	30.1%

AGE AT FIRST EXPERIENCE OF HOMELESSNESS



HOUSEHOLD BREAKDOWN

Single Adults	Families	Unaccompanied Youth
29% Sheltered / 71% Unsheltered	85% Sheltered / 15% Unsheltered	49% Sheltered / 51% Unsheltered
8,725 People in 8,398 Households	699 People in 237 Households	398 People in 388 Households

SELECT POPULATION LOCATIONS

Chronic Homelessness	Unaccompanied Youth and Young Adults	Veterans
36% Sheltered / 64% Unsheltered	49% Sheltered / 51% Unsheltered	26% Sheltered / 74% Unsheltered
3,832 People	398 People	527 People

INTRODUCTION

The Point-in-Time (PIT) Count is an annual census of people experiencing homelessness on a single night. It is a required activity for all communities receiving funding from the US Department of Housing and Urban Development (HUD) for homelessness. The PIT Count also presents an opportunity to raise awareness of the myriad challenges homeless residents face, hear firsthand from those experiencing homelessness, identify disparities, and highlight key elements of the community's homelessness response.

The PIT Count has two components: sheltered and unsheltered. The sheltered count, conducted annually, enumerates the number of people experiencing homelessness staying in emergency shelters, transitional housing, or safe havens. The unsheltered portion of the PIT Count is required to be conducted biennially.[1] Unsheltered situations include anyone without a permanent residence who is staying outdoors or in places not designed for habitation such as vehicles, streets, parks, or abandoned buildings.

The PIT Count is the result of extraordinary community collaboration and includes a countywide effort to engage and assess the unsheltered population. This year's Count was conducted during the early morning of January 25, 2024, with the support of 1,278 registered volunteers, who used the Counting Us mobile application developed by Simtech Solutions Inc., to gather the survey information. The PIT Count also requires participation by all emergency shelters, transitional housing, and safe haven projects in the region, including those that do not routinely enter information into the region's Homeless Management Information System (HMIS). After completing the PIT count, the data was carefully analyzed and validated to meet HUD's high data quality standards.

The Count results found in this report were submitted to HUD in time for the May 10, 2024, deadline and have since been reviewed by and approved by HUD Technical Assistance providers. This report is a further exploration of the results. It includes additional information about the experiences of people who are homeless in our community, including geographic breakdowns by city.

LIMITATIONS

While the primary purpose of the biennial Point-in-Time Count is to quantify the extent of homelessness both locally and nationally, it is important to understand its limitations. The PIT Count represents a snapshot in time; this information does not reflect the total number of people experiencing homelessness throughout the year. Additionally, since the Count is conducted on a single night in January, factors such as weather and the number of volunteers available, may factor into the count's accuracy. The Point-In-Time Count is only one piece of data used to understand who is experiencing homelessness in our community. Alameda County's annual Home Together 2026 Community Plan updates use data from the Homeless Management Information System (HMIS) to estimate and report on annual numbers of people who access homeless services. Readers are encouraged to reference that information for a more complete picture of homeless services and the people who experience homelessness over time.

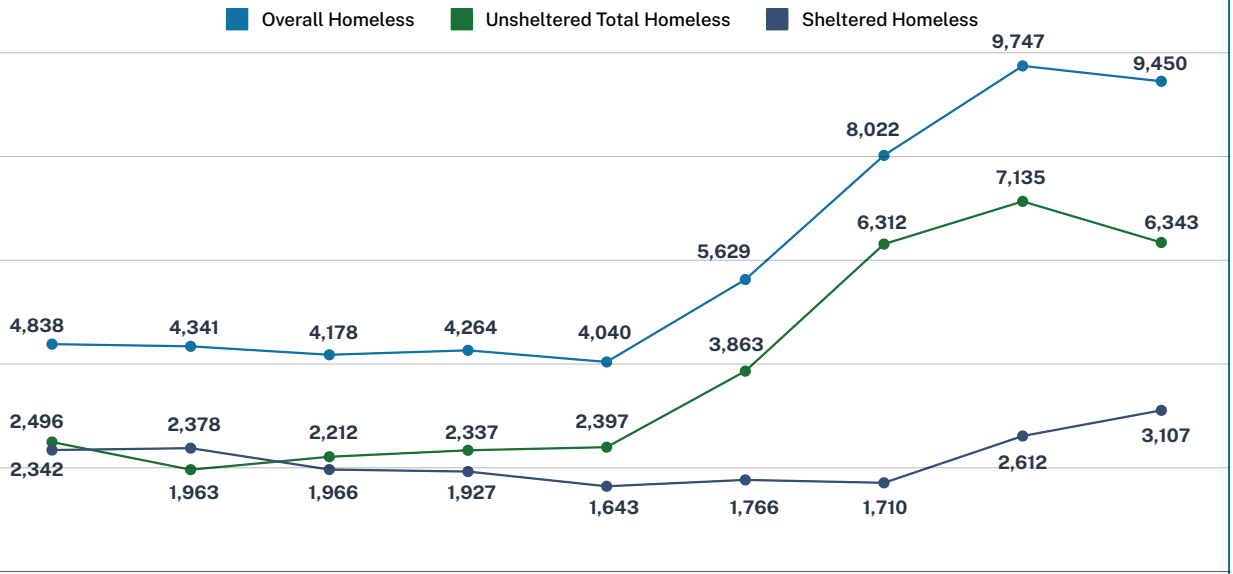
[1] Due to the COVID-19 pandemic, the unsheltered PIT scheduled for January 2021 was delayed until January 2022. As a result, the last unsheltered count for regional information to compare against the sheltered count was from 2022.

KEY FINDINGS

The 2024 Point-in-Time (PIT) Count estimated 9,450 people were experiencing homelessness in Alameda County on the morning of January 25th. This represents a decrease of 297 people (3%) from the 2022 PIT Count, the last time the unsheltered count was conducted. This is the first time since 2013 that the overall PIT Count has gone down.

More strikingly, the number of people living unsheltered in Alameda County decreased by 11.1%, dropping from 7,135 to 6,343, while the sheltered count increased by 19%. An estimated 3,107 people were sheltered in 2024 compared to 2,612 people in 2022. This is the first time since 2009 that the sheltered rate has increased while the unsheltered rate has decreased.

Figure 1: Point-In-Time Summary, 2007 - 2024



Although the count was slightly lower this year, Alameda County had seen the total number of people experiencing homelessness counted during the PIT increase by 121.2% over the prior ten years. In the State of California, there was a 53% increase 2013 to 2023.[2]

[2] 2007-2023-PIT-Counts-by-State.xlsb (live.com)

HOUSEHOLD COMPOSITION

People who are experiencing homelessness may do so alone or in a household with other people.[3] The PIT Count distinguishes between households of only adults (one or more adults experiencing homelessness together), households with minor children (often referred to as families), and households of only children, meaning persons 17 or under who are experiencing homelessness without an adult.

Table 1: Population by Household Composition

	People in Adult Only Households	People in Households with Adults and Children	People in Households with only children	Total
Number of people	8,725	699	26	9,450
Percent of people experiencing homelessness	92.3%	7.4%	0.3%	100%

Households with Both Adults and Children

The PIT count identified 240 households (701 individuals) with both children and adults. This is a 17% decrease in both persons and households since the 2022 Count and continues a trend of decrease in family households experiencing homelessness.

Eighty-nine percent (89%) of these households, 208, were sheltered while 29 households (with 106 household members) were unsheltered.

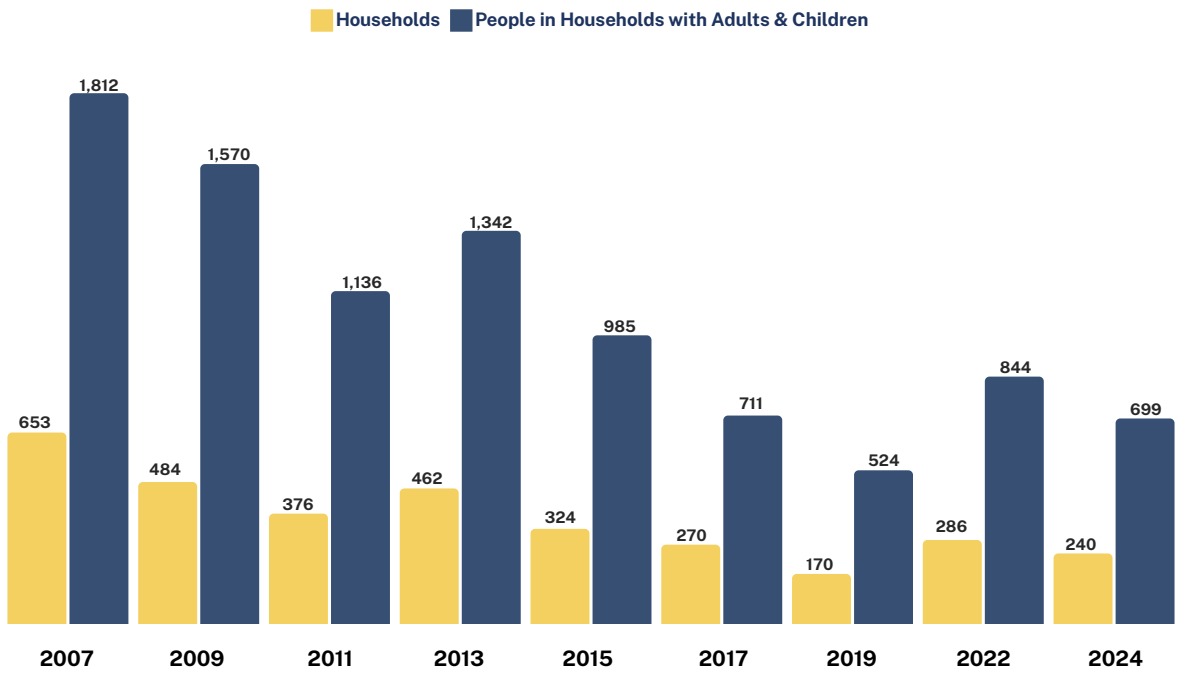
Table 2: Households with Adults and Children, Location and Composition

	Households with Adults and Children	Adults 25 and older	Youth 18-24	Children under 18
Sheltered (In emergency shelter and transitional housing)	208	35.9%	6.1%	58.0%
Unsheltered	29	48.1%	--	51.9%
Total	237			

The majority of people in such households (both sheltered and unsheltered) are children under 18. The average household size for people experiencing homelessness with at least one adult and at least one child was 2.95 people, slightly larger than the Alameda County census average of 2.78 people.

[3] Members of the household do not need to be related by blood, marriage, or in any other legal capacity

Figure 2: Households with Children, 2007 -2024



Since the 2007 Point-in-Time Count, the number of households with both adults and children decreased by 63%, from 653 to 237, and the number of people within these households decreased 61% from 1,812 people to 699.

Adults in Households without Children

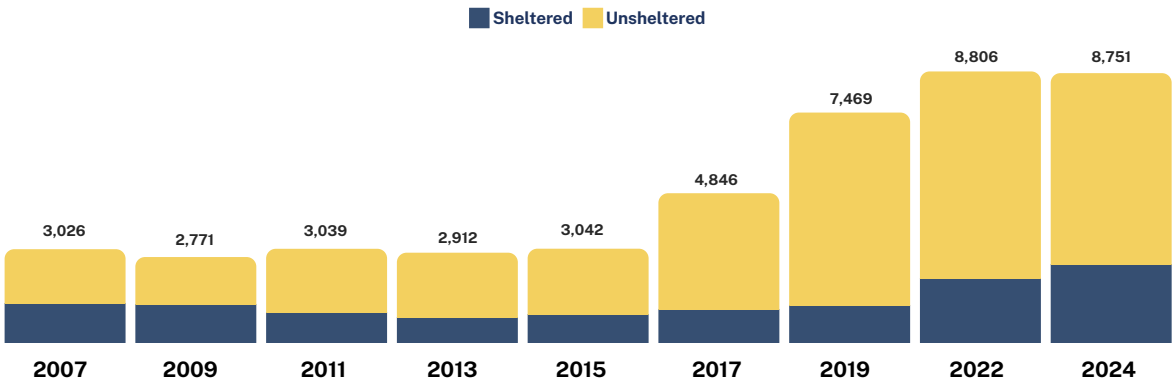
Adults in households without children make up the vast majority of the population experiencing homelessness. 71.4% were unsheltered, while 28.6% were sheltered in emergency shelter or transitional housing. Most adults experiencing homelessness are over 25.

Table 3: Adult Only Households, Location and Age Group

	People in households without children	Adults 25 and older	Youth 18-24
Sheltered (In emergency shelter and transitional housing)	2,514	92.8%	7.2%
Unsheltered	6,237	96.6%	3.4%
Total	8,751		

The number of adult only households decreased slightly (down 1%) from the 2022 count, after having increased dramatically between 2015 and 2022.

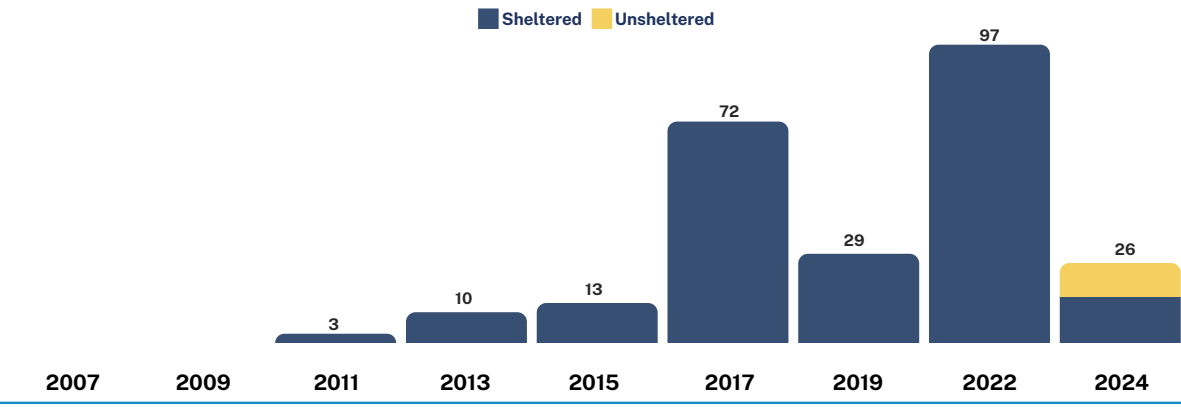
Figure 3: Households with Adults Only, 2007-2024



Households with Only Children

Households with only children refers to individuals or households composed only of persons age 17 or under and who are not emancipated.

Figure 4: People in households with Only Children, 2007 - 2024



GEOGRAPHIC DISTRIBUTION

Most people experiencing homelessness in Alameda County are from Alameda County. Seventy-eight percent (78%) of those surveyed reported their previous permanent address was within the county, while 22% became homeless most recently outside of Alameda County. (We do not know how many of those people may have previously lived in Alameda County.)

Within Alameda County, the majority of people (58%) are experiencing homelessness in Oakland, whereas Oakland's general population makes up approximately 25% of the overall County population. While Oakland saw an 8.5% increase in the PIT, it represents a slow-down in growth over previous counts.

In the other large urban areas in the county, numbers varied widely. Increases in homelessness were recorded in City of Alameda, Hayward, and Livermore, while Berkeley, Fremont, San Leandro and the Unincorporated Area saw significant decreases. The majority of these cities also added shelter inventory in the last two years.

Figure 5: Population Distribution by City and by Sheltered Status

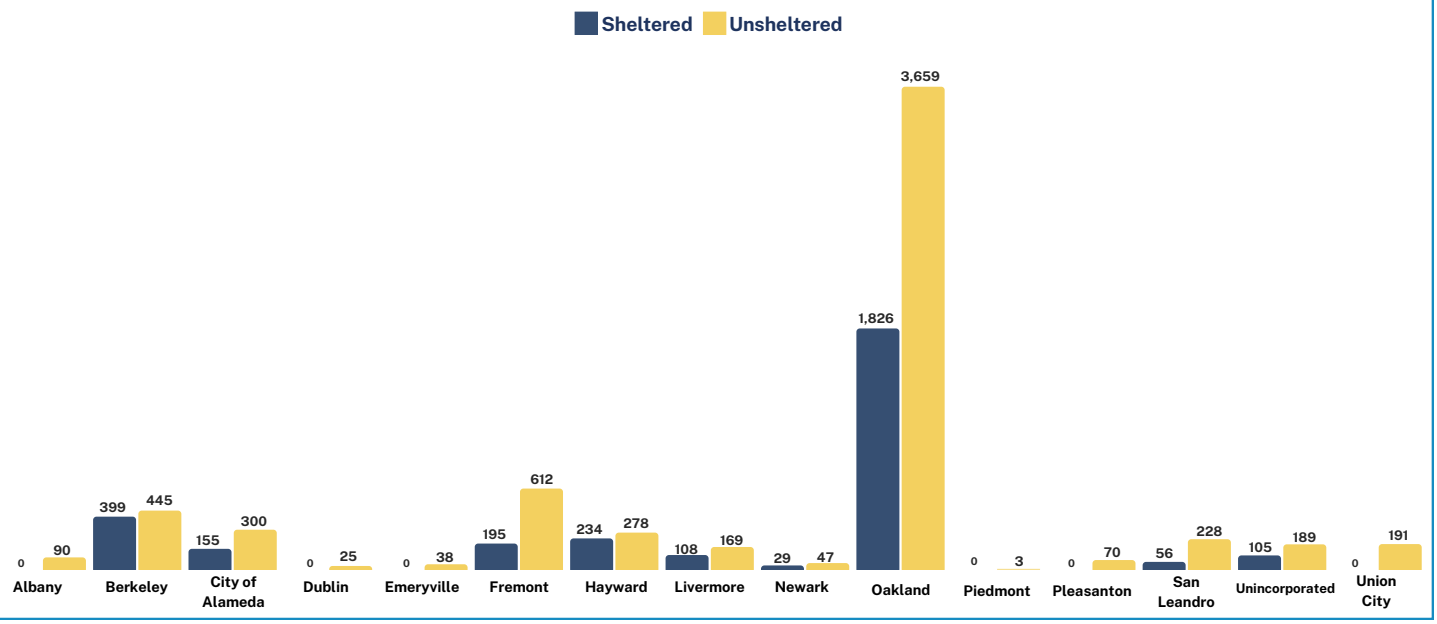


Table 4: Population Distribution by City and by Sheltered Status

Jurisdiction	Total People Unsheltered Count 2022	Total People Unsheltered Count 2024	Unsheltered Change %	Total Sheltered 2022	Total Sheltered 2024	Sheltered Change %	Total Sheltered and Unsheltered 2022	Total Sheltered and Unsheltered 2024
Berkeley	803	445	-45%	254	399	57%	1,057	844
City of Alameda	180	300	67%	84	155	85%	264	455
Fremont	866	612	-29%	160	195	22%	1,026	807
Hayward	267	278	4%	114	234	105%	381	512
Livermore	174	169	-3%	68	108	59%	242	277
Oakland	3,337	3,659	10%	1,718	1,826	6%	5,055	5,485
San Leandro	312	228	-27%	97	56	-42%	409	284
Unincorporated	418	189	-55%	91	105	15%	509	294

SHELTERED COUNT AND BED UTILIZATION

The sheltered portion of the count is derived from the reported occupancy on the night of January 25, 2024. The bed utilization (or occupancy rate) is calculated by comparing the number of people staying in emergency shelters or transitional housing with the total number of available beds. A total of 3,107 persons were reported as sheltered in emergency shelter or transitional housing on the night of the Count. At the same time there were 3,458 beds reported in the Housing Inventory Count (HIC), for an overall occupancy rate of 90%.

People who participated in the Unsheltered Survey were asked about reasons they do not access shelter. The most frequent answers were that shelters were too crowded and imposed curfews. Full details of the Unsheltered Survey are available in that section of this report.

Table 5: Sheltered Count: Beds and Occupancy

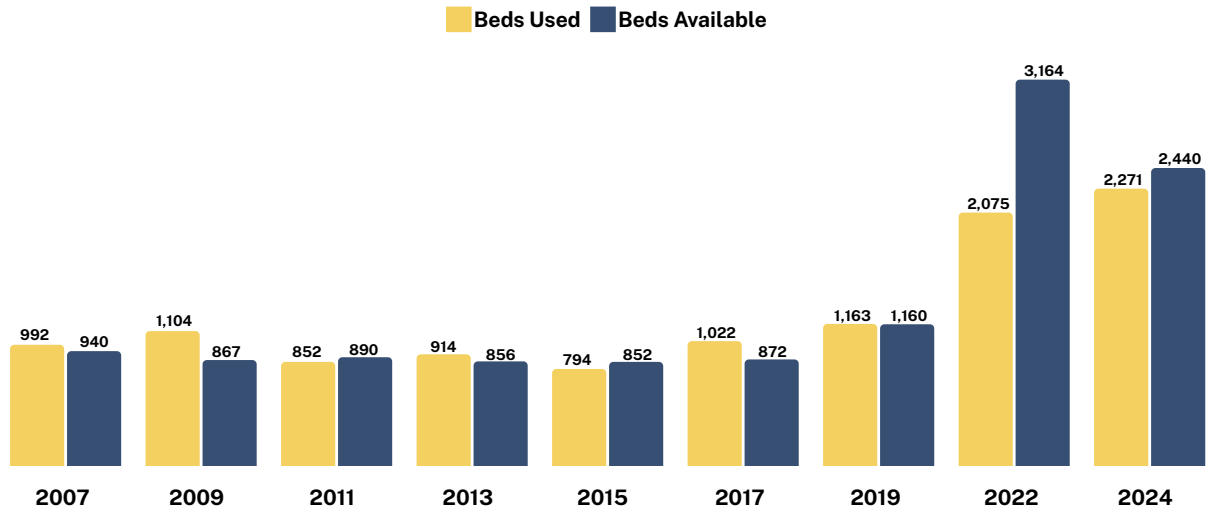
	Emergency Shelter	Transitional Housing	Total Sheltered
Persons in Beds, January 25, 2024	2,271	825	3.096
Total Beds	2,440	1,018	3,458
Utilization Rate	(93.1%)	(81%)	(90%)

Shelter Occupancy

Emergency shelters include congregate and non-congregate settings where people experiencing homelessness can stay temporarily while they seek permanent housing. On the night of the count, 2,271 of the 2,440 Emergency shelter beds (93.1%) were occupied. After nearly a decade of very limited change in shelter beds, Alameda County's shelter inventory grew significantly in the past five years, more than doubling since 2019. Many of the new shelter resources were added during the COVID-19 shelter-in-place orders and were typically non-congregate hotel rooms to allow for social distancing and for isolation and quarantine. Some of the leased hotel sites have remained open as shelter, several transitioned back to private operations, and many were purchased and are being converted to permanent housing. Several cities also added single and double occupancy "tiny homes" or "community cabins."[4]

[4] There was a large surge in non-congregate shelter beds between 2020 and 2022 due to the COVID crisis, though occupancy was not full due to distancing requirements and the need to keep rooms available for Isolation. Since that time some of those beds and programs have been converted to permanent housing.

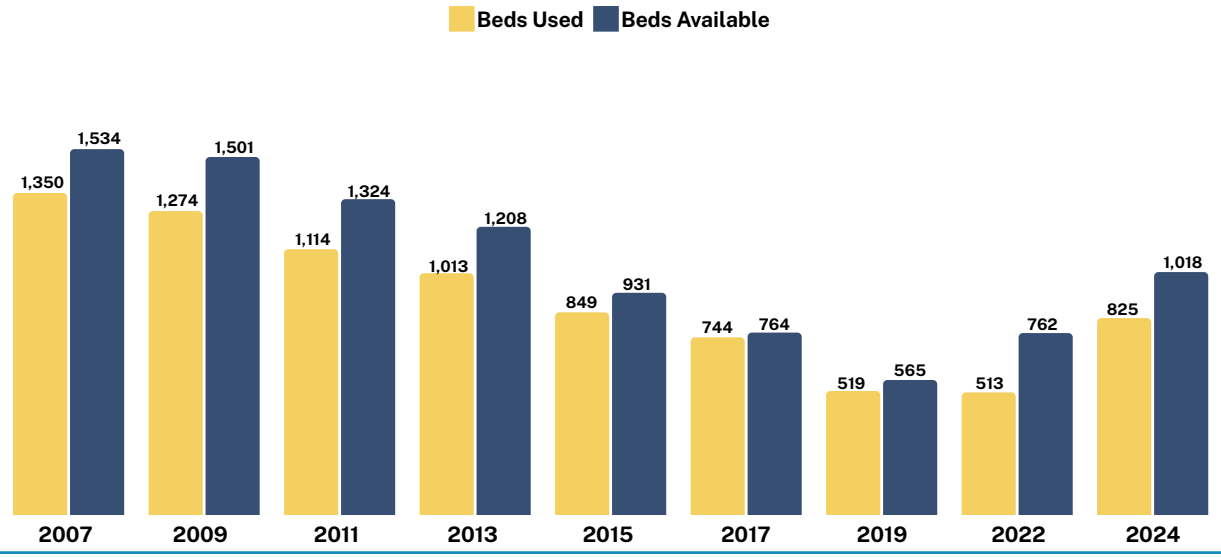
Figure 6: Emergency Shelter Beds and Utilization



Transitional Housing Capacity and Utilization

Transitional housing, like emergency shelter, also provides temporary accommodations but generally has a longer length of stay (up to 24 months) and often serves specific target populations such as youth or survivors of domestic violence. In transitional housing, 825 of the 1018 beds (81.0%) were utilized on the night of the count.

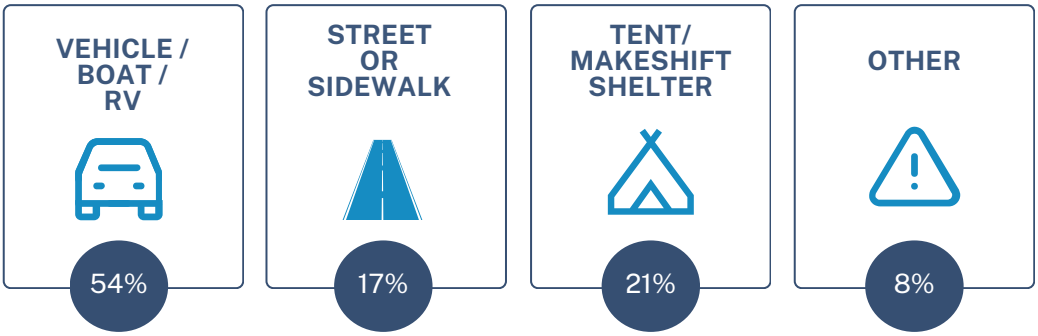
Figure 7: Transitional Housing Beds and Utilization



THE UNSHELTERED COUNT

As described in Appendix B below, the 2024 unsheltered count used a method of targeted enumeration and sampling to estimate the number of people unsheltered throughout Alameda County. The estimated unsheltered population for the night of the count was 6,343 people, two-thirds (67%) of the total homeless population of 9,450. This was a decrease from 2022 of 11%.

Figure 8: Sleeping Locations of Unsheltered People



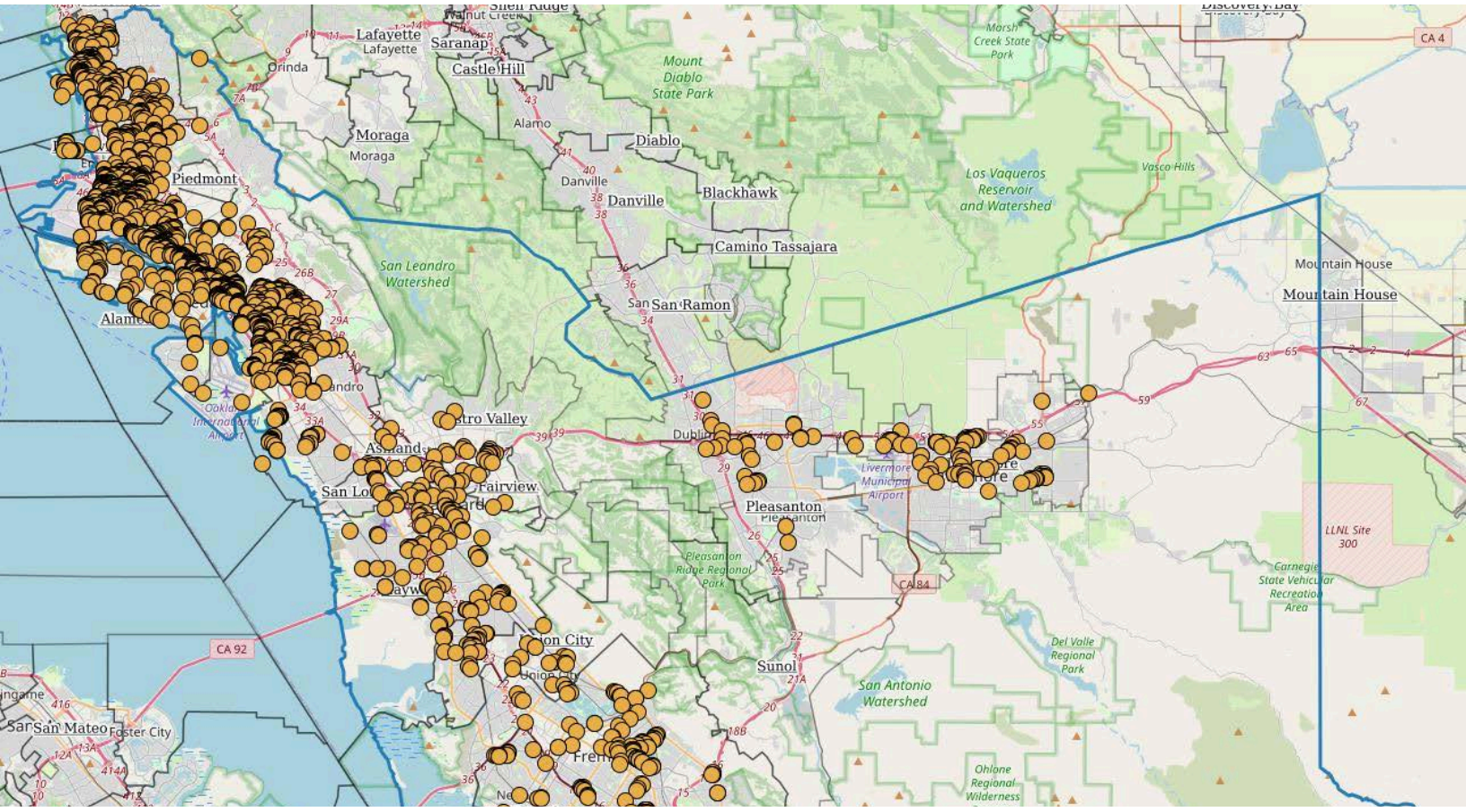
36% of the entire population experiencing homelessness (sheltered and unsheltered combined) was found to be living in vehicles. 54% of total population counted in unsheltered locations were living in vehicles in 2024, which represents a 1% decrease since the 2022 count, where 55% of the total unsheltered population were residing in vehicles.



People Experiencing Homelessness in Vehicles and Makeshift Shelters

In the California Bay Area, the issue of homelessness has taken on a distinct form with a notable population living in vehicles. This mode of living, while offering some semblance of stability and privacy, comes with significant challenges. Access to basic amenities like sanitation and healthcare remains limited, and the transient nature of their housing makes accessing health care, social services and employment opportunities more complicated. Despite these barriers, community organizations and local governments are working to provide support, offering street health services. safe parking initiatives, targeted outreach programs, and advocacy efforts to address the often complex needs of those living in vehicles.

People experiencing unsheltered homelessness living in vehicles and makeshift shelters can be found throughout the county. The map below highlights these locations.



DEMOGRAPHIC ANALYSIS

The demographics of people experiencing homelessness are collected as part of the Point-in-Time Count. These demographics include racial identities, age, and gender identities. This year, HUD provided expanded response options for gender and race. A separate category for ethnicity (whether someone identifies as Hispanic/Latina/e/o) was removed as its own demographic category and included as a choice of racial identity.

While HUD expanded the categories for both race and gender, those expansions are not reflected the same way in US Census data. For example, gender data from the Census only includes "male" and "female" options, while HUD allows for an additional six gender identities. Additionally, the Census only provides six race categories and classifies Hispanic/Latina/e/o as an ethnicity, rather than race. HUD has fifteen race categories and includes Hispanic/Latina/e/o.

Racial Demographics in the Homeless Population

The population of people experiencing homelessness in Alameda County includes people of many racial backgrounds. The largest racial group experiencing homelessness in Alameda County is Black, African-American or African, 3,904 people (41.3%).

Table 6: Homeless Population by Race

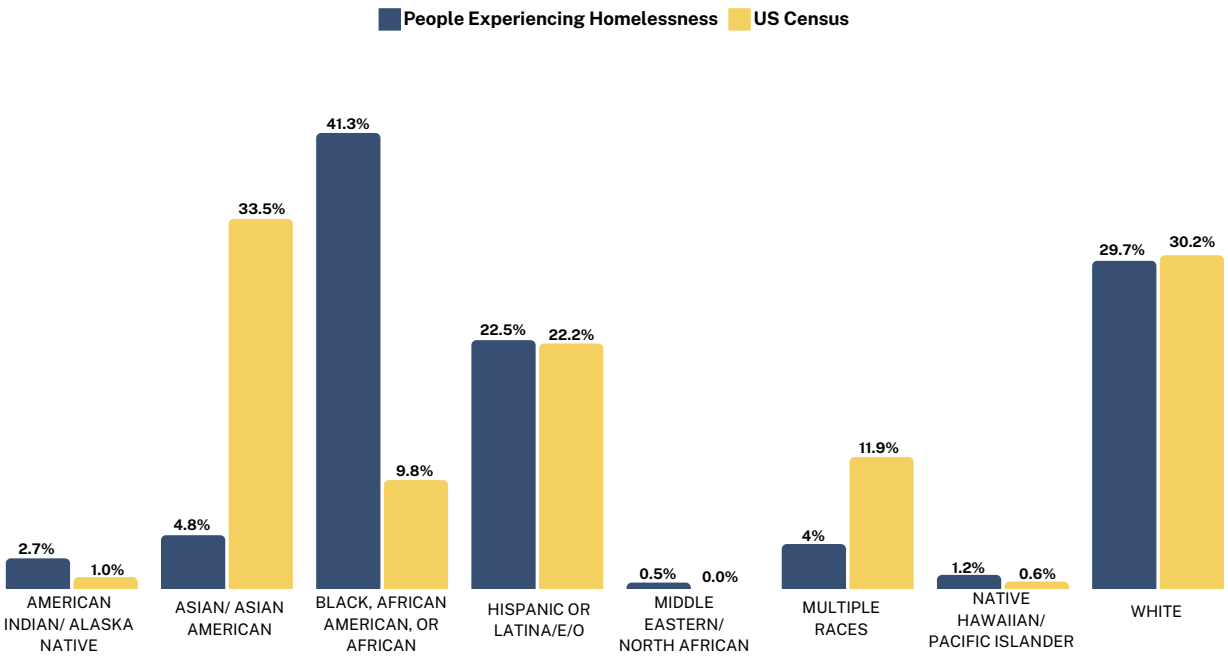
Race	Total	Percentage
American Indian, Alaska Native, or Indigenous	120	1.3%
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	138	1.5%
Asian or Asian American	442	4.7%
Asian or Asian American & Hispanic/Latina/e/o	10	0.1%
Black, African American, or African	3,817	40.4%
Black, African American, or African & Hispanic/Latina/e/o	87	0.9%
Hispanic/Latina/e/o	1,456	15.4%
Middle Eastern or North African	43	0.5%
Middle Eastern or North African & Hispanic/Latina/e/o	3	0%
Native Hawaiian or Other Pacific Islander	110	1.2%
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	19	0.2%
White	2,450	26%
White & Hispanic/Latina/e/o	353	3.7%
Multi-racial & Hispanic/Latina/e/o	58	0.6%
Multi-racial (not Hispanic/Latina/e/o)	323	3.4%

Racial Disparities within the Homeless Population

Large racial disparities exist between the population experiencing homelessness and the overall population. This is true of almost every Continuum of Care in the United States. The chart below highlights the racial identities of people experiencing homelessness compared with the overall county population.

Due to changes in race categories not aligning with census categories, the data reflected in the chart below represents the percentage of each category with and without Latina/e/o identity included. For example, people who identified as Asian or Asian and Latina/e/o are reflected in the Asian percentage. Similarly, people who identified as Latina/e/o alone or in combination with another race are reflected in the Latina/e/o percentage.

Figure 9: County and Homeless Populations by Race



Most Black, Indigenous, and People of Color (BIPOC), especially African Americans, experience homelessness at higher rates than people who are White.[5] Within Alameda County, people who identify as Black or African American constitute 9.8% of the overall population yet comprise 41.3% of the homeless population (down from 43% in 2022).

While the numbers are smaller, there is also a higher prevalence of people who are American Indian or Native Alaskan as well as those who are Native Hawaiian and Pacific Islanders. While the US Census data indicates American Indian / Native Alaskans comprise 1.0% of the overall population this group accounted for 2.7% of the homeless population (nominally down from 3% in 2022). Similarly, 0.6% of the population in Alameda County is Native Hawaiian or Pacific Islanders yet 1.2% were found to be experiencing homelessness during the PIT Count.

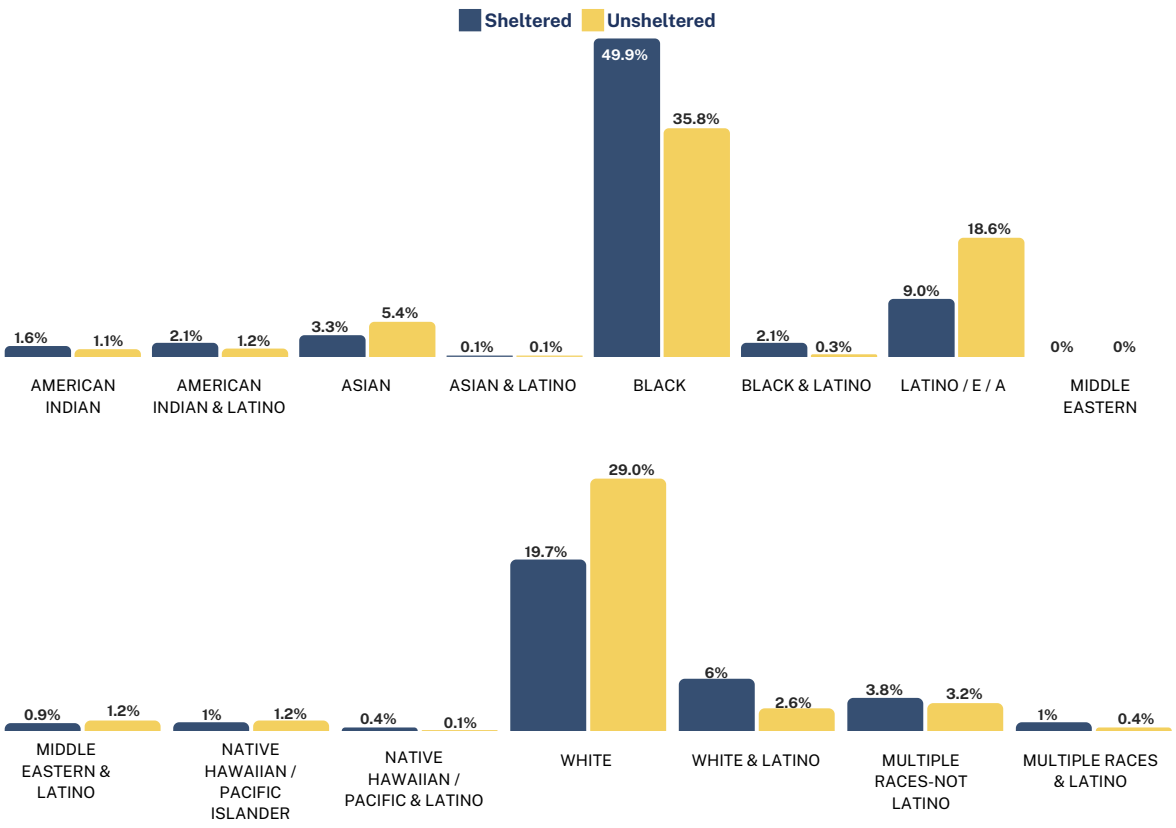
[5] The U.S. Department of Housing and Urban Development. (2024). The 2023 Annual Homeless Assessment Report (AHAR) to Congress.

This year, HUD reassigned the Ethnicity Category of Hispanic/Latina/e/o to a Race Category. In Alameda County 22.2% of the county's population identify as Hispanic/Latina/e/o, compared to 22.5% of the population experiencing homelessness.

Racial Differences between Sheltered & Unsheltered

As described in the previous section, Black, African American, or African people are overrepresented in the overall homeless population. However, representation by race is different when looking at people who are sheltered and unsheltered in Alameda County. People who identify as Asian, Hispanic/Latino/e/a, and White are more likely to be unsheltered, while people who are Black, African American, or African make up a larger share of the sheltered population

Figure 10: Sheltered and Unsheltered Populations by Race



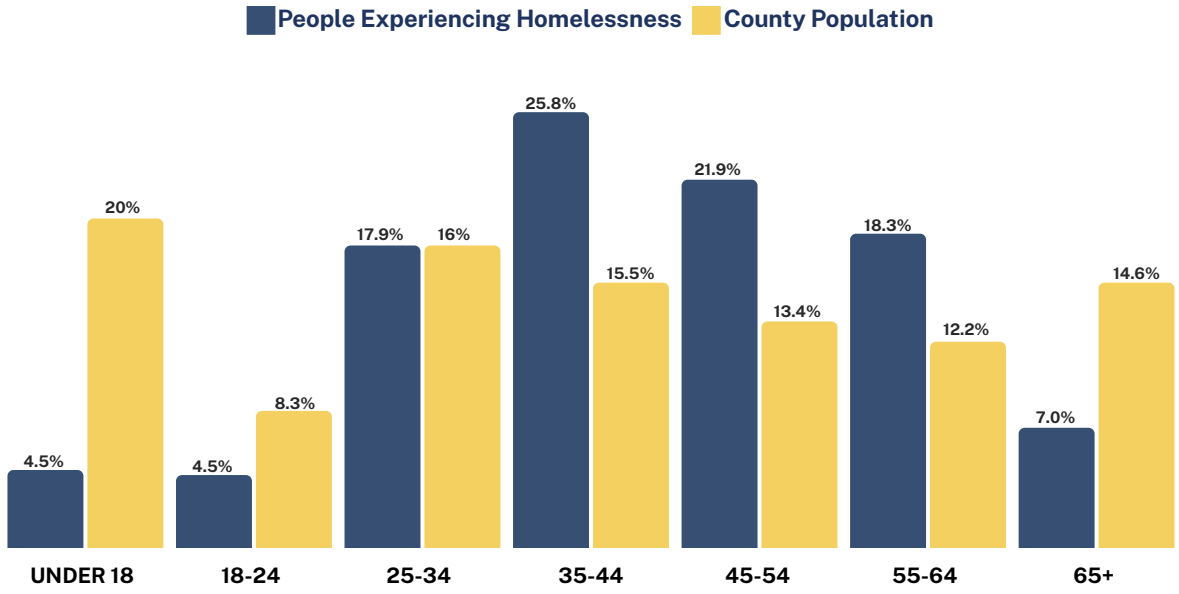
Age Demographics

Table 7: Homeless Population by Age and Household Type

Age Group	Inside Households with Adults and Children	Inside Adult Only or Child Only Households	Total	Percentage
Children (under age 18)	399	26	425	4.5%
Youth (age 18-24)	36	393	429	4.5%
Adults (25-34)	108	1588	1696	17.9%
Adults (35-44)	97	2342	2439	25.8%
Adults (45-54)	42	2027	2069	21.9%
Older Adults (55-64)	13	1720	1733	18.3%
Older Adults (65 and Over)	4	655	659	7.0%

Within the total homeless population, Alameda County saw a 3.1% increase in homelessness among adults, while the population under 18 decreased 21% from 2022 to 2024. Young adults decreased 47.1% from 804 in 2022 to 429 in 2024.

Figure 11: County and Homeless Populations by Age



Adults are disproportionately represented in the homeless population, while children, youth and older adults 65 and over are more prevalent in the County population.

Children under 18 represent 4.5% of those experiencing homelessness and 19.5% of the population. respectively. In contrast to this comparison, those experiencing homelessness between the ages of 35-44 make up 25.8% of the homeless population while they represent 15.7% of the greater populace.

Individuals over 55 accounted for 25.3% of those recorded as people experiencing homelessness while representing 27.9% of the general population

[6] *The U.S. Census Bureau. (2022). American Community Survey: Demographic and Housing Estimates.*

Age Differences between Sheltered & Unsheltered People Experiencing Homelessness

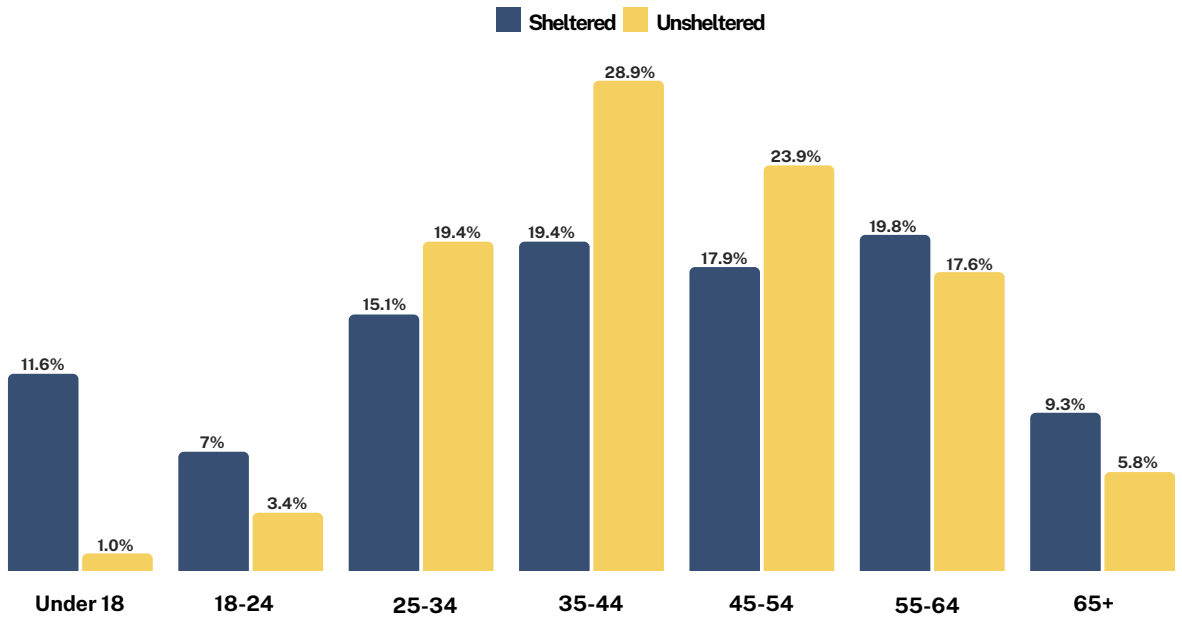
Table 8: Age Groups by Sheltered and Unsheltered Status

Age Group	Sheltered	% Sheltered	Unsheltered	% Unsheltered	Total
Children (17 and under)	359	84.5%	66	15.5%	425
Youth (age 18-24)	216	50.3%	213	49.7%	429
Adults (25-34)	468	27.6%	1228	72,4%	1696
Adults (35-44)	604	24.8%	1835	75.2%	2439
Adults (45-54)	556	26.9%	1513	73.1%	2069
Adults (55-64)	614	35.4%	1119	64.6%	1733
Adults (65 and Over)	290	44.0%	369	56.0%	659

Age demographics between the sheltered and unsheltered populations in Alameda County demonstrate that children, transition age youth, and older adults (55 and older) are more likely to be sheltered. Adults between the ages of 25 and 54 are more likely to experience unsheltered homelessness. As is the case in the majority of CoCs in the US, there are proportionally more available shelter beds for people in families than there are for individual adults. In Alameda County there are 720 beds between Emergency Shelter and Transitional Housing available for people in families, while there were 701 people estimated to be experiencing homelessness in these households. Conversely, there are 2,740 beds for adult individuals between Emergency Shelter, Transitional Housing, and Safe Haven while 8,725 individuals were estimated to be experiencing homelessness.

There were 240 households with both adults and children within these households. 58.6% were children under the age of 18, 5% were young adults 18-24, and 36.4% were adults over the age of 25. The average household size was 2.85 people. There were 8,398 households without children with 4.2% being young adults and the remaining 95.8% being adults over the age of 25. Young adults used a larger percentage of the Transitional Housing beds (60.6%) than the 39.4% used by young adults in Emergency Shelters. Unsheltered: Within the unsheltered population in Alameda County, 6064 individuals were reported as 25 or older, 213 were between the ages of 18-24, and 66 were reported as children under 18.

Figure 12: Age Disparities Between Sheltered and Unsheltered Status



This represents a 3% decrease in unsheltered adults above 25 years old, a 64% decrease in the number of people between the ages of 18-24, and a 76.0% decrease in the number of children under 18 experiencing unsheltered homelessness. Overall, within the total homeless population, including both sheltered and unsheltered, Alameda County saw a 3.2% increase in homelessness among adults, while the population under 18 decreased 27.0% from 2022 to 2024. Young adults decreased 46.6% from 804 in 2022 to 425 in 2024.

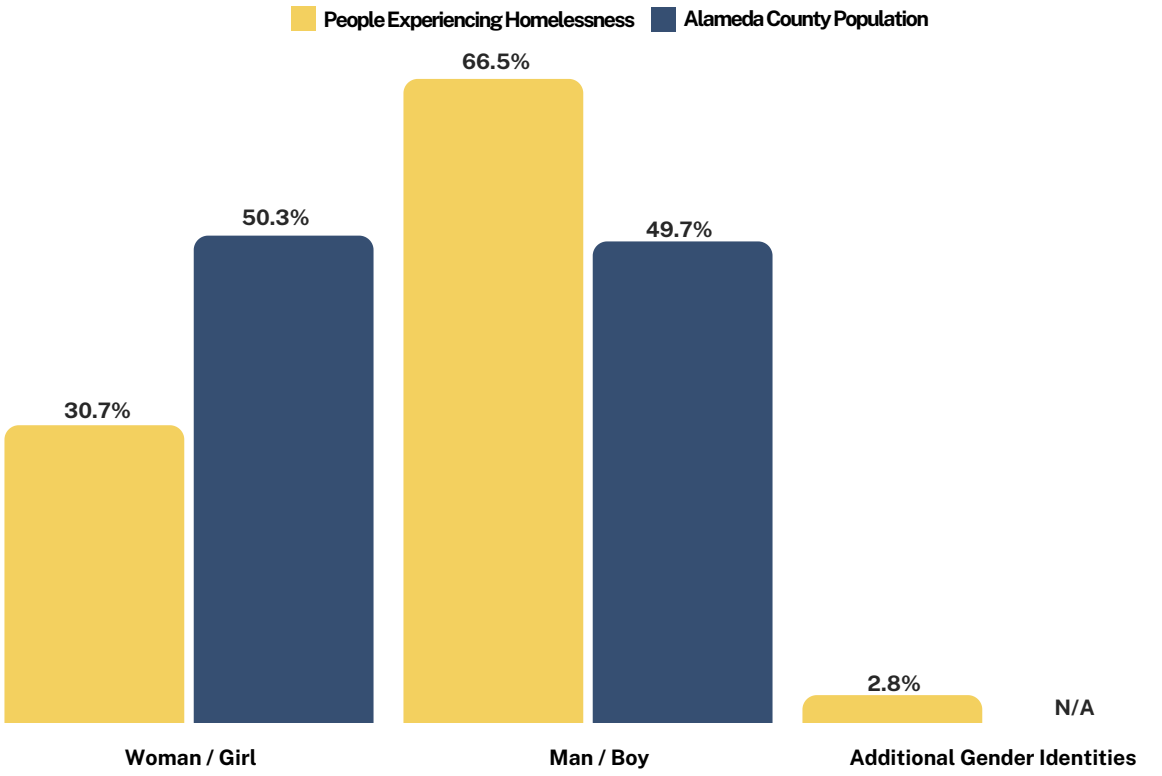
When comparing the Alameda County 2024 Point-in-Time Count of people experiencing homelessness to Census information, individuals under 18 represent 4.5% and 19.5% respectively. In contrast to this comparison, those experiencing homelessness between the ages of 35-44 make up 24.2% of the homeless population while they represent 15.7% of the greater populace.

Within Alameda County, 659 individuals 65 years and older made up 9.3% and 5.8% of sheltered and unsheltered populations, respectively. Within the overall homeless population, individuals over 55 accounted for 25.3% of those recorded as people experiencing homelessness while representing 27.9% of the general population. At a national level, over 19.6% of the homeless population is made up of individuals over 50 years old.

Gender Demographics

Men make up nearly two-thirds of the population experiencing homelessness, 6,296 (66.6%) of the total population while women accounted for 2,898 (30.7%) and other gender groups accounted for less than 2.7% with 255 people. In the County population, 49.7% of the population were recorded as men and 50.3% as women. (It is important to note that the US Census data currently does not provide gender demographic data beyond men and women.)

Figure 13: Gender Comparison with County Population

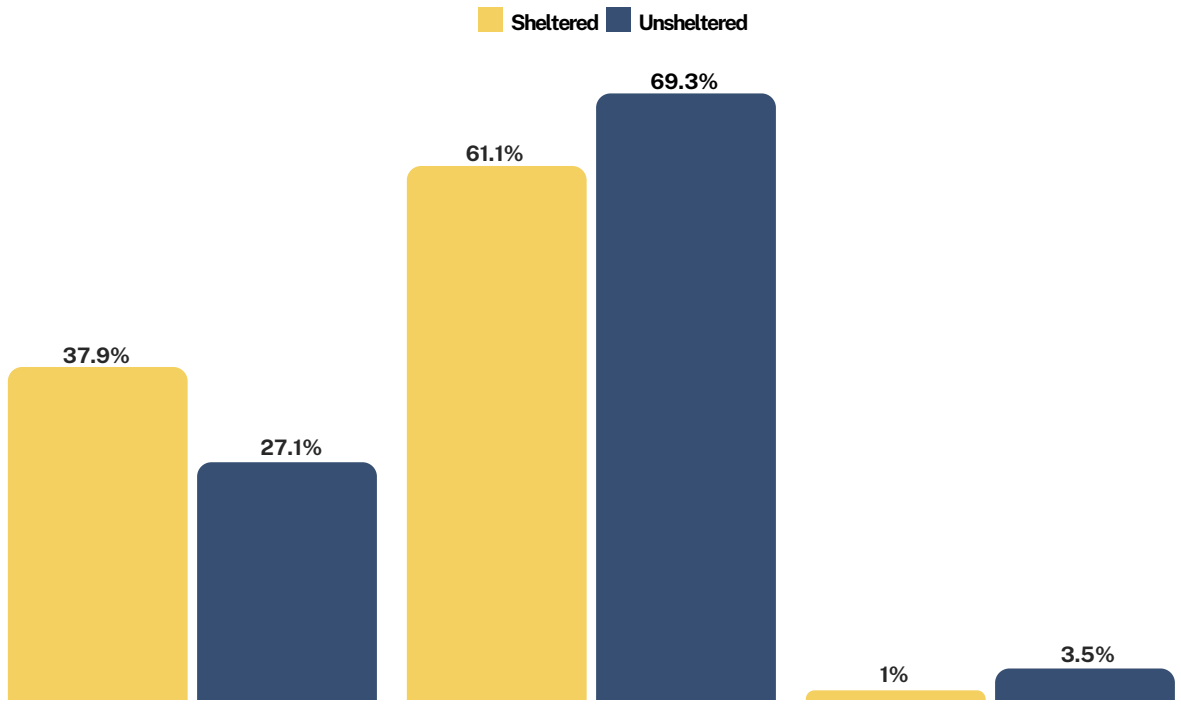


The gender distribution is different for families. Within households with adults and children, the survey findings showed that 60.5% of respondents identified as women and 35.2% identified as men.

Gender Differences between Sheltered & Unsheltered Populations

Men are overrepresented in the homeless population in general and they are more likely to be unsheltered than women. People who identify as a gender other than man or woman are also more likely to experience unsheltered homelessness.

Figure 14: Gender Differences by Sheltered Status

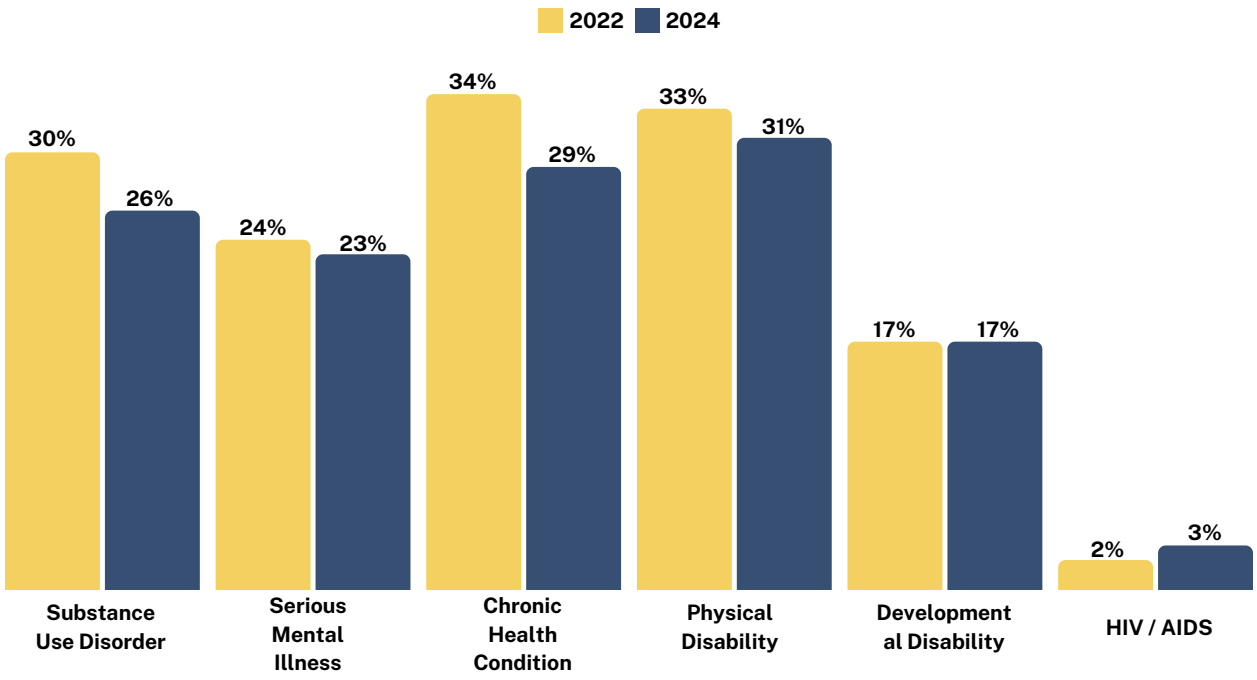


HEALTH & WELLNESS

According to the National Health Care for the Homeless Council (NHCHC), the average life expectancy for individuals experiencing homelessness is 25 years less than those in stable housing. Without regular access to safe and stable housing, many individuals also lack access to healthcare, experience preventable illness, and often endure longer hospitalizations than those who have safe and stable housing. It is estimated that those experiencing homelessness stay four days (or 36%) longer per hospital admission than non-homeless patients.[8]

The presence of a disabling condition, which can be exacerbated by homelessness,[5] can hinder a person from being able to obtain employment and maintain stable housing. In Alameda County, 60.3% of those who completed the Point-In-Time survey were found to have at least one disabling condition. The prevalence rates of disabling conditions for the people experiencing homelessness who were surveyed are shown below.

Figure 15: Self-Reported Disability Conditions Over Time



[8] National Health Care for the Homeless Council. (2020). National Homeless Mortality Overview.

KEY SUBPOPULATIONS

As homelessness is a complex issue, it is often beneficial to focus the conversations on particular "subpopulations." Three of these key subpopulations are:

1

People experiencing chronic homelessness

2

Veterans

3

Unaccompanied children and transition-age youth

Local progress toward ending homelessness can be evaluated broadly as well as by each of these subpopulations. Alameda County also places specific attention to these population groups and reports on progress in the Home Together annual updates. The following evaluation utilizes data gathered from local Point in Time counts as well as results from the national count.







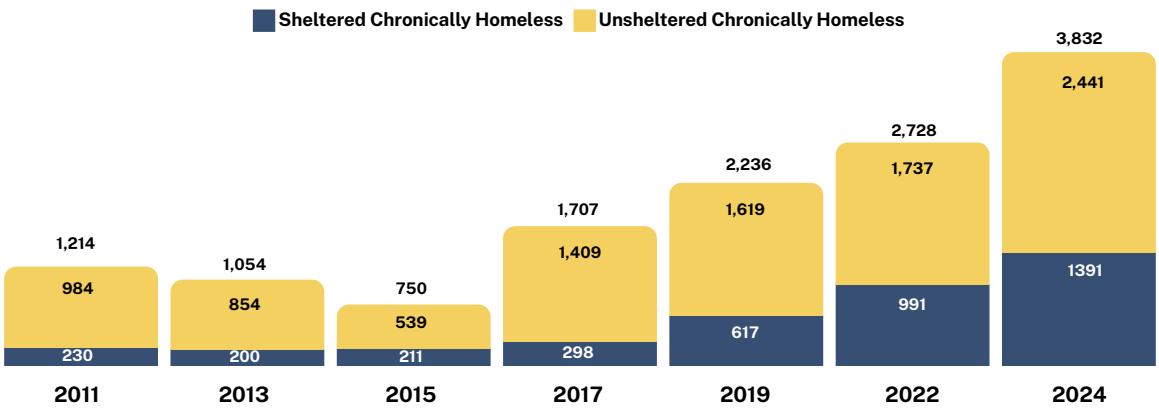
Chronic Homelessness

HUD defines a chronically homeless person as someone who has experienced homelessness for a year or longer — or who has experienced at least four episodes of homelessness totaling 12 months in the last three years — and also has a disabling condition that prevents them from maintaining work or housing. This definition applies to adult individuals and people in households with adults and children who meet the definition.

The chronically homeless population represents one of the most vulnerable populations[5] experiencing unsheltered homelessness; the mortality rate for those experiencing chronic homelessness is four to nine times higher than that of the general population. The chronic homeless population tends to have higher community costs attributed to emergency room visits, interactions with law enforcement, incarceration, and regular access to social support and homeless services. These combined costs are often significantly higher than the cost of providing individuals with permanent housing and supportive services. In Alameda County, the PIT Count found that 1,391 sheltered individuals and 2,441 unsheltered individuals were categorized as experiencing chronic homelessness.

In Alameda County, 1,391 of 2,532 adults (54.9%) in shelters were determined to be chronically homeless whereas 2,441 of the 6,277 (38.9%) from the unsheltered count were determined to be chronically homeless.

Figure 16: Chronic Homelessness Over Time



In the 2023 Annual Homelessness Assessment Report (AHAR), HUD found that 154,313 individuals were experiencing chronic homelessness, which is just under one-quarter of all homeless individuals. Within Alameda County, 3,629 of 8,725 (41.5%) individual adults were estimated to be chronically homeless. For households, the percentages are lower with 203 of the 701 (29.0%) people in households with at least one adult and one child considered to be chronically homeless in the 2024 Count.

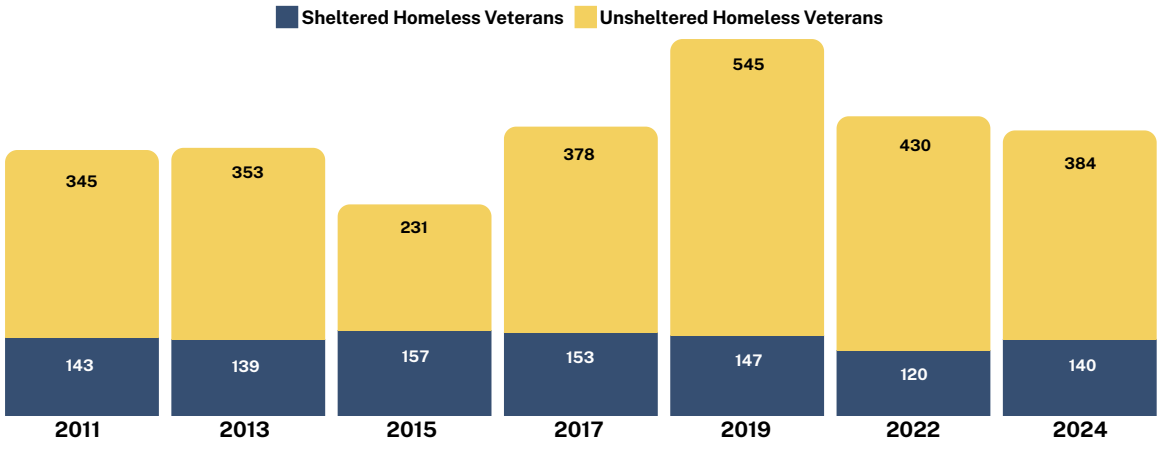
Veterans

U.S. veterans experience conditions that place them at increased risk for homelessness. Veterans experience higher rates of post-traumatic stress disorder (PTSD), traumatic brain injury (TBI), sexual assault, and substance abuse. Veterans experiencing homelessness are more likely to live on the street than in shelters and remain unsheltered for extended periods.[9]

The U.S. Department of Veterans Affairs (VA) provides a broad range of benefits and services to veterans of the U.S. Armed Forces. These benefits can involve different forms of financial assistance, including monthly cash payments to disabled veterans, health care, education, and housing benefits. In addition to these supports, the VA and HUD partner to provide additional housing and support services to veterans currently homeless or at risk of homelessness.

Within Alameda County's PIT Count, within the 523 veteran households of the 546 individuals, 524 individuals were identified as veterans. This represents 5.8% of all adults found on that night. Veterans make up approximately 3% of the population overall in the county. While the majority of those found in veterans households were adults without children, there were two households with children with a total of six people in those households. There were almost three times the number of veterans living unsheltered than those staying in shelters. Men made up 82% of the population with only 12.7% women total between sheltered and unsheltered groups and 5% identified as a gender other than men or women.

Figure 17: Veteran Homelessness Over Time



Within shelters, 30 persons in veteran households were determined to be chronically homeless, and 189 people in the unsheltered veteran households were determined to be chronically homeless.

[9] National Coalition for Homeless Veterans. Veteran Homelessness.

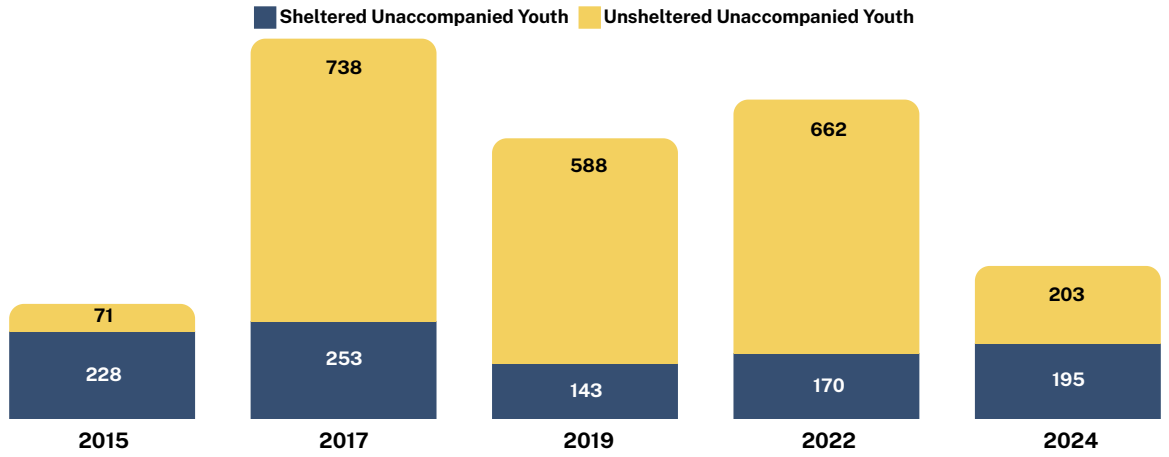
Transition Age Youth & Parenting Youth Under 25

Young people experiencing homelessness tend to have difficulty accessing shelter, medical care, and employment. Potential reasons for this include the stigma of their housing situation, lack of knowledge of available resources, and a dearth of services targeted to young people.

Although largely considered an undercount, nationwide estimates from 2023 suggest there are over 34,000 unaccompanied youth experiencing unsheltered homelessness and in public shelters, with most being between the ages of 18 and 24. According to the 2023 AHAR *"Unaccompanied youth experiencing homelessness were more likely than all individuals experiencing homelessness to be women or girls (38% vs. 30%)"*.[10] In comparison, women represented 34.7% of the Alameda County findings, and 7.5% identified as a gender other than men or women. The sheltered unaccompanied youth represented 49.0% of the population with 195 of the 398 total residing in Emergency Shelter or Transitional Housing.

The estimated number of unaccompanied youth decreased 52.6% from 832 people in 2022 to 398 in 2024. Rates of unsheltered homelessness among this group decreased from 80% in 2022 to 57% in 2024. Seven percent of unaccompanied youth were under 18 whereas 93% were between the ages of 18 and 24.

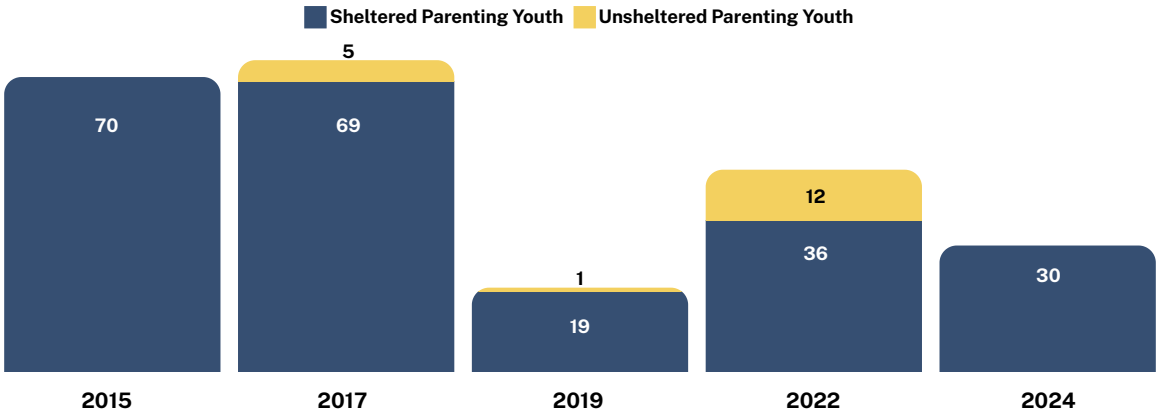
Figure 18: Unaccompanied Youth Over Time



[10] U.S. Department of Housing and Urban Development. (2023). HUD Releases 2023 Annual Homeless Assessment Report Part 19 Website address: https://everyonehome.org/main/continuum-of-care/point-in-time-count-2024/

In 2024, there were 30 parenting youth counted, and all were found in shelters. This represents a 37.5% decrease since 2022.

Figure 19: Parenting Youth 2015-2024





Survivors of Domestic Violence

7.3% of the adult population experiencing homelessness in Alameda County (666 people) were currently fleeing domestic violence in 2024, up from 6% in 2022. When disaggregated by gender identity, 16.9% of those who identified as women were currently fleeing domestic violence compared to 3.9% of those who identified as men. The number of those who had experienced domestic violence at any point in their lifetime was substantially higher at 32.8% (compared to 31% in 2022).

Being female was associated with 5.6 times greater odds of experiencing DV compared to if you were male, after adjusting for sexual orientation, age, and race. Being transgender was associated with 4.4 times greater odds of experiencing DV compared to if you were male, again adjusting for sexual orientation, age, and race. Not being straight was associated with 1.8 times greater odds of having experienced domestic violence compared to those who are straight, after adjusting for age, race, and gender.



COMMUNITY-SPECIFIC UNSHELTERED SURVEY FINDINGS

While HUD provides guidance for specific data collection requirements for the Point-in-Time Count, many communities also use the opportunity to collect additional data to learn more about the experiences and needs of people experiencing homelessness. The following charts represent the responses from people who answered survey questions with a volunteer during the count efforts. Please note that the results below are included in the comprehensive Point-in-Time Count dashboard website on the Community Specific Insights tab and are fully interactive.[11] The interactivity allows for cross-sectional analysis of survey data so end users can drill down into various subcategories of demographic information, responses, etc.[9]

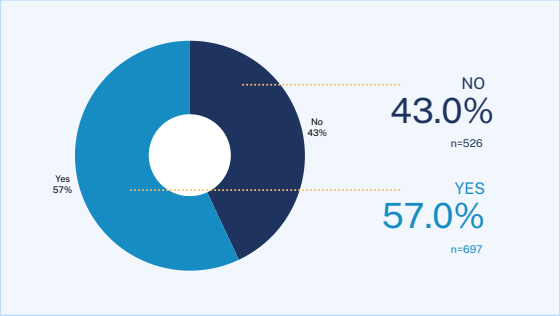
In Alameda County, 1,506 people agreed to provide answers to survey questions. Youth (anyone under the age of 25 with or without dependent children) were asked to provide answers to questions in a youth addendum. Respondents could refuse to provide answers to any questions if they did not feel comfortable providing the information. The findings below include the percentage and number of people who provided answers for each question and exclude respondents who did not answer the question.

Episodes and Duration of Homlessness

First Time Experiencing Homelessness

More than half of those experiencing unsheltered homelessness indicated that this was their first time experiencing homelessness. This is a significant change from 2022 in which 31% of people said they were experiencing homelessness for the first time.

Figure 20: First Time Experiencing Homelessnes *N=1,506*

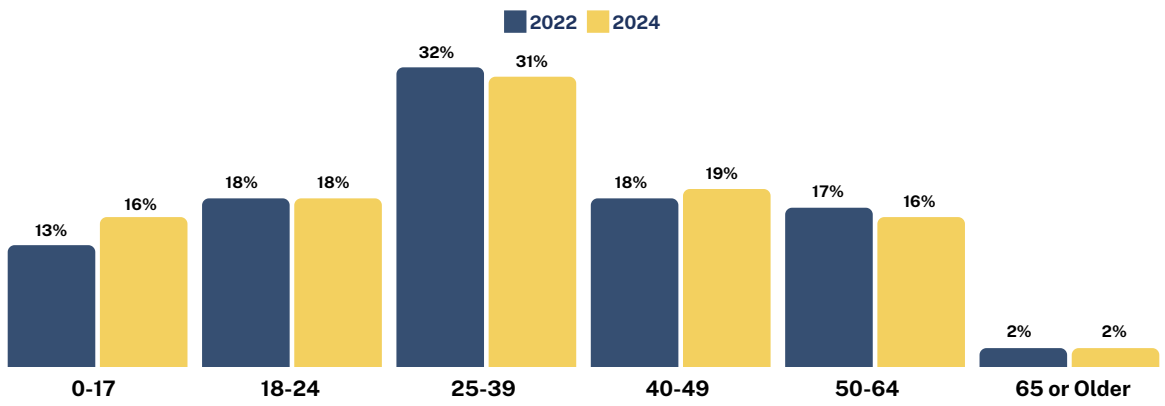


[11] Website address: https://everyonehome.org/main/continuum-of-care/point-in-time-count-2024/

Age of First Homelessness Experience

Survey findings suggest the most common age when people first become homeless in Alameda County to be between 25 and 39.

Figure 21: Age First Experienced Homelessness *N=1,506*

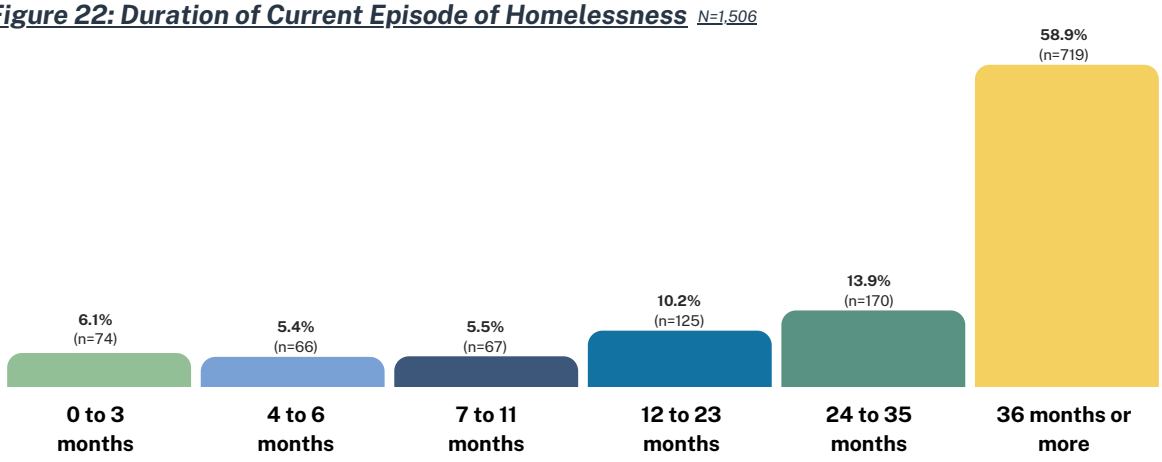


2022 n=1,397; 2024 n=1,138
Note: Percentages may not add up to 100 due to rounding.

Length of Time Homeless for Current Episode

More than half of the unsheltered population in Alameda County indicated their current episode of homelessness has been 3 years or longer.

Figure 22: Duration of Current Episode of Homelessness *N=1,506*



Number of Homeless Episodes in the Last Three Years

Due to the substantial number of respondents who have had a long duration of experiencing homelessness, more than half of the people interviewed did not need to provide the number of homeless episodes over the last three years. For those who did respond, 50.8% had fewer than four episodes, while 49.2 % had 4 or more episodes.

Figure 23: Number of Homeless Episodes in the Last 3 Years *N=1,506*



Length of Time Living in Alameda County

More than three-quarters of all respondents indicated they lived in the community for ten years or longer. Only 7.1% of people interviewed reported living in the county for one year or less.

Figure 24: Length of Time Living in Alameda County *N=1,506*

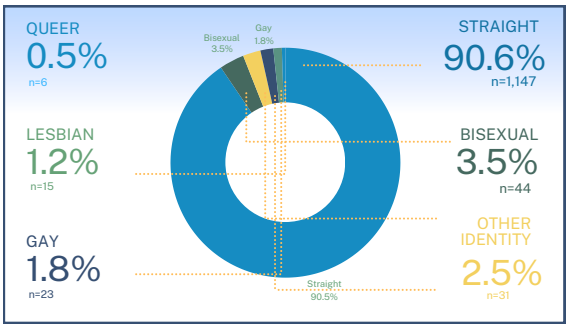


Additional Demographic And Household Information

Sexual Orientation

84% of survey respondents provided information about their sexual orientation. Of those that responded, 90.6% identified as straight. While 9.4% identified as an orientation other than straight.

Figure 25: Sexual Orientation *N=1,506*

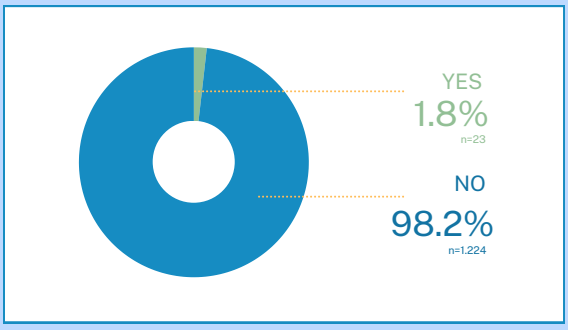




Pregnancy Status

The percentage of the unsheltered population surveyed who reported either being pregnant or expecting a child was 1.8%.

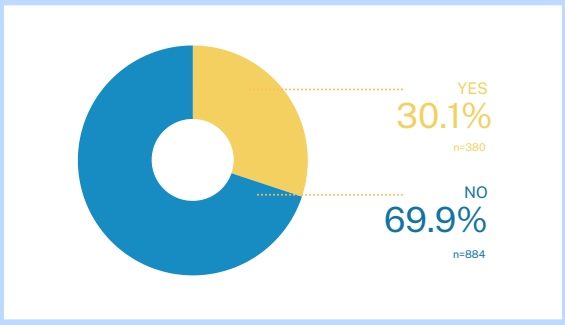
Figure 26: Pregnancy Status *N=1,506*



Pets

Just over 30% of the population experiencing unsheltered homelessness in Alameda County reported having one or more pets with them.

Figure 27: People with Pets *N=1,506*



Primary Events Contributing to Homelessness

Homelessness is a complex issue and often several factors contribute to a person's housing crisis. The unsheltered survey allowed respondents to provide as many responses as necessary to the question asking about the primary events leading to their current episode of homelessness and as a result the total of the percentages will be over 100%. The most prevalent answers include housing loss (35.4%), income issues (22.0%), health related issues (18.1%) and household breakup issues (18.0%).

Table 9: Primary Reasons for Homelessness *N=1,312*

Housing Loss Related	**35.4%**
Eviction, Foreclosure, Rent Increase	17.2%
Can No Longer Stay with Friends or Family	12.7%
Lost Subsidy	6.9%
Stopped Using Supports	1.7%
Aged Out of Foster Care	0.5%
Gender or Sexual Orientation not Accepted	0.6%
Income Related	**22.0%**
Job Loss	14.9%
Other Money Issues	8.5%
Other	**19.2%**
Health Related	**18.1%**
COVID Related	4.0%
Mental Health Issues	5.3%
Physical Health Issues	3.7%
Substance Use Issues	9.1%
Household Breakup Related	**18.0%**
Death of Someone Close	9.5%
Divorce or Breakup	9.0%
Victimization Related	**12.4%**
Domestic Violence	6.4%
Crime Victim	6.1%
Racism	0.8%
Incarceration	**5.6%**

Employment

Just over 10% of the unsheltered population surveyed indicated they had employment. Only 3.1% of respondents indicated their employment was full-time. Almost one-quarter of the population who is not employed reported being unable to work.

Figure 28: Employment Status of Unsheltered Respondents *N=1,312*





Those who were not employed were asked about factors keeping them from work. Respondents could provide more than one answer. The most common factors impacting becoming employed are health issues, particularly a physical disability, and a lack of resources needed to support working.

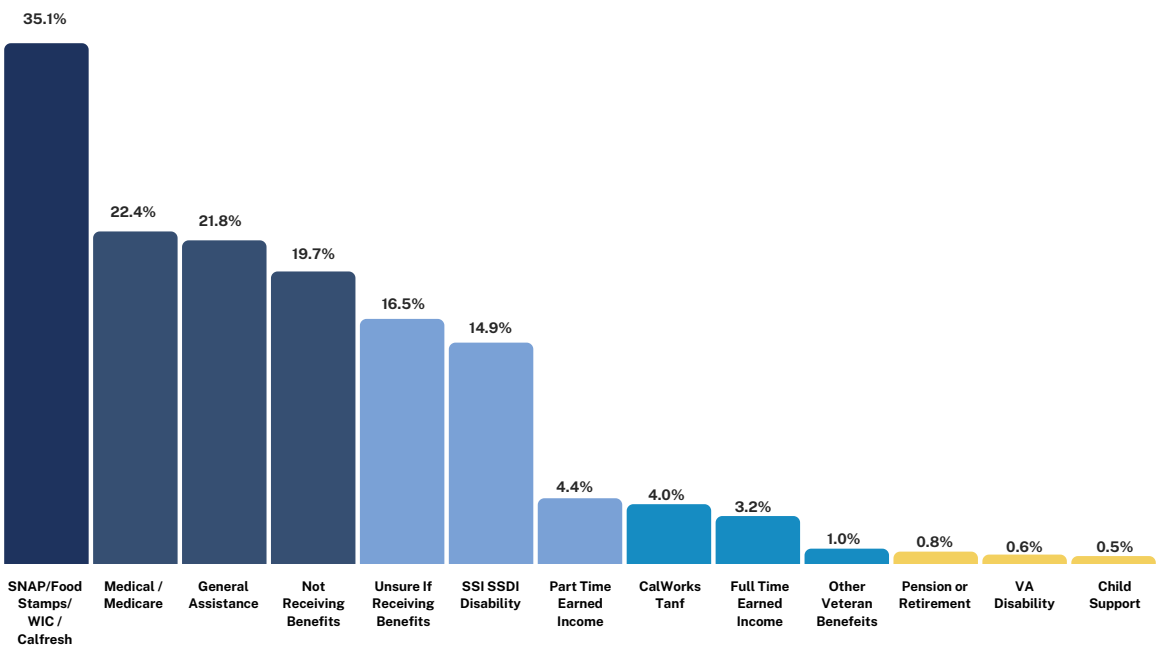
Table 10: Factors Impacting Employment *N=922* [7]

Health Issues	**40.7%**
Physical Disability	16.6%
Mental Health Needs	9.0%
Health Problems	8.6%
Alcohol/Drug Use	3.5%
Developmental Disability	2.7%
COVID-19 Issues (safety, fear, caregiving, etc.)	0.3%
Resource Needs	**22.7%**
No Permanent Address	8.0%
No Transportation	3.9%
No Phone	2.6%
No Photo ID/Social Security Card	2.3%
Lack of Confidence	1.4%
No Access to Technology	1.2%
Need Clothing/Shower Facilities	0.8%
Need Education/Training/Skill Development	0.8%
Fear of Losing Personal Belongings	0.7%
No Work Permit	0.7%
Childcare Needs	0.3%
Pet Care	0.1%
No Available Work/Jobs	**15.5%**
Other	**12.1%**
Discrimination Related	**6.0%**
Criminal Record	3.5%
Age	2.5%
Not Wanting Work	**3.0 %**
Doesn't Want to Work	2.6%
Risk of Losing Benefits if Working Too Much	0.4%

Benefits Received

Seventy-eight percent of people experiencing unsheltered homelessness who completed a survey provided a response regarding any benefits they receive or have received over the last twelve months. The most common benefit reported was SNAP/ Food Stamps / WIC / CalFresh food assistance. Almost 20% of the population reported they were not receiving any benefits, while 16.5% reported that they did not know if they were receiving them.

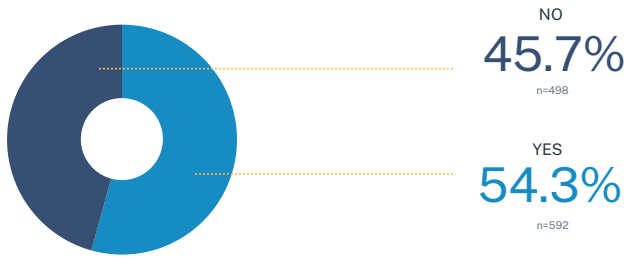
Figure 29: Benefits Received *N=1,180*



Medical Visits in the Last Year

Just over 54% of the unsheltered people surveyed reported having a medical visit during the last 12 months.

Figure 30: Having a Medical Visit in the Past 12 Months *N=1,180*





Barriers to Using Shelter Services

The barriers to using shelter services fall into three overarching categories: Shelter Experience (58.4%), Shelter Rules and Restrictions (54.2%), and Location (14.9%). The most frequent answers were that shelters were too crowded (23.9%), and imposed curfews (23.7%). Please note that people responding to this question could provide more than one response, therefore the total percentage will be greater than 100%.[7]

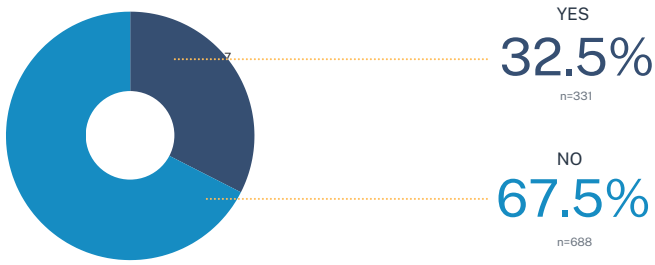
Table 11: Barriers to Accessing Shelter *N=1,057*

Shelter Experience Related	**58.4%**
Too Crowded	23.9%
Personal Safety Concerns	19.7%
Privacy Concerns	18.7%
Shelters are Full	14.3%
Germs	10.8%
No Storage for Belongings	10.0%
Bugs	6.2%
Not Enough Staff	3.2%
Racially Unwelcome	2.5%
Gender or Sexual Orientation not Accepted	0.6%
Rules and Restrictions Related	**54.2%**
Curfew	23.7%
Too Many Rules	18.4%
Can't Bring My Pet	8.9%
Can't Stay with Partner/Family	7.8%
Can't Stay with Friends	5.7%
Hours of Operation	4.9%
Alcohol and Drugs Prohibited	4.7%
Location Related	**14.9%**
Don't Know Where Shelters Are	9.7%
Shelters Too Far Away	5.8%

Interactions with the Criminal Justice System in Last Year

Nearly one third of people experiencing unsheltered homelessness surveyed (32.5%) indicated that they had an interaction with the criminal justice system during the last year.

Figure 31: Interacted with Criminal Justice in the Past Year *N=1,057*



YOUTH ADDENDUM UNSHELTERED SURVEY FINDINGS

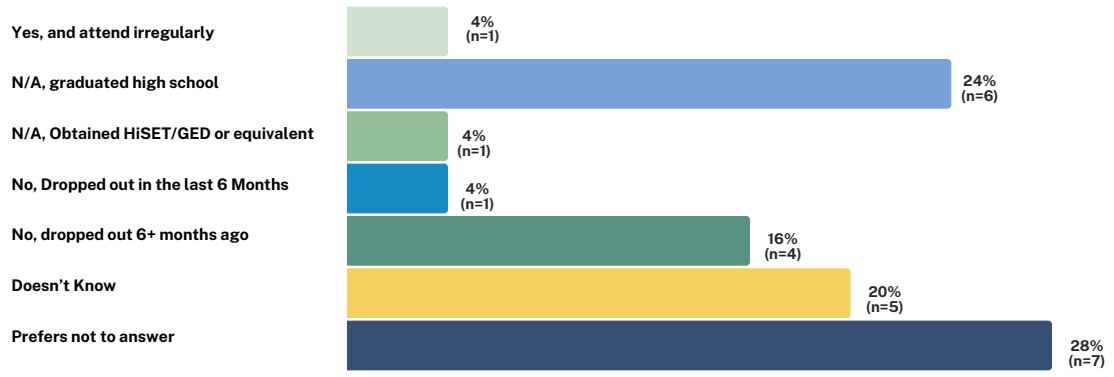
While communities conducting Point-in-Time Counts strive to find as many people experiencing unsheltered homelessness as possible, youth are typically the most challenging group of people to find during canvassing efforts. Youth experiencing homelessness may not meet the specific definitions of homelessness included in the traditional PIT Count. They also may be reticent to identify themselves as homeless and therefore less likely to engage with a Count Volunteer. Due to these factors, youth experiencing homelessness are likely to be undercounted in the PIT and many communities conduct separate youth counts at a different time to get a more complete understanding of youth homelessness.

In Alameda County, very few youths experiencing unsheltered homelessness agreed to answer questions included in the Youth Addendum (see survey instrument in Appendix C). Depending on the question asked, responses came from between 3 and 25 people. As a result, limited conclusions should be drawn from these data and some question responses will not be displayed.

Education Status Among Youth

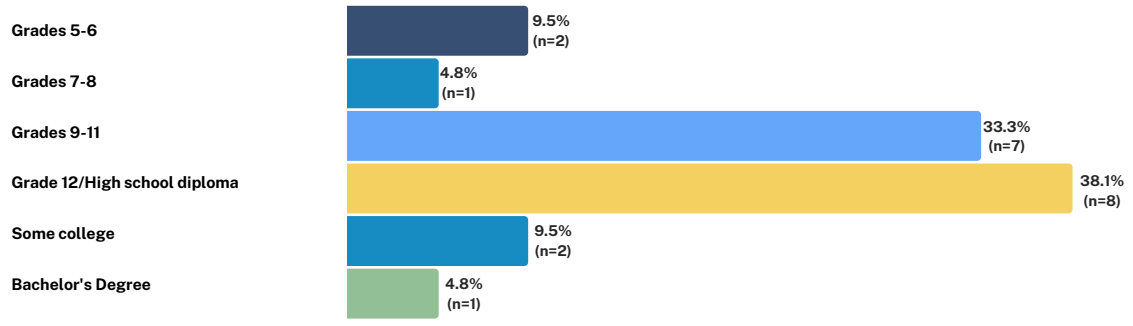
Twenty-eight percent of youth surveyed indicated they graduated high school or obtained a high school equivalency. Twenty percent indicated they dropped out of school. Many (28%) preferred not to answer.

Figure 32: Youth Enrolled in School *N=26*



Of the youth who responded to the question about the last grade completed in school, 52.4% graduated high school, attended some college, or held a bachelor's degree.

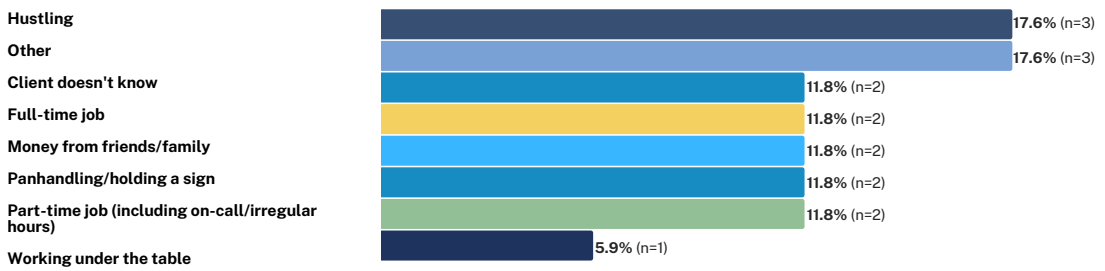
Figure 33: Last Grade Completed *N=26*



Youth Income Sources

Only 17 youth provided information about their sources of income over the last year. Those responses are as follows:

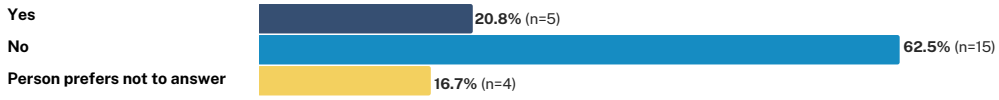
Figure 34: Youth Income Sources in the Past Year *N=26*



Foster or CPS Care

Almost 21% of youth experiencing homelessness indicated they were in Foster Care or Child Protective Services (CPS) care.

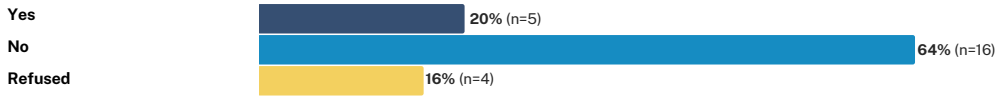
Figure 35: Youth In Foster or CPS Care *N=26*



Juvenile Justice Involvement

Twenty percent of youth who responded to the survey indicated they had a history of juvenile justice involvement. All five indicated that they were not currently on parole or probation.

Figure 36: Juvenile Justice Involvement *N=26*

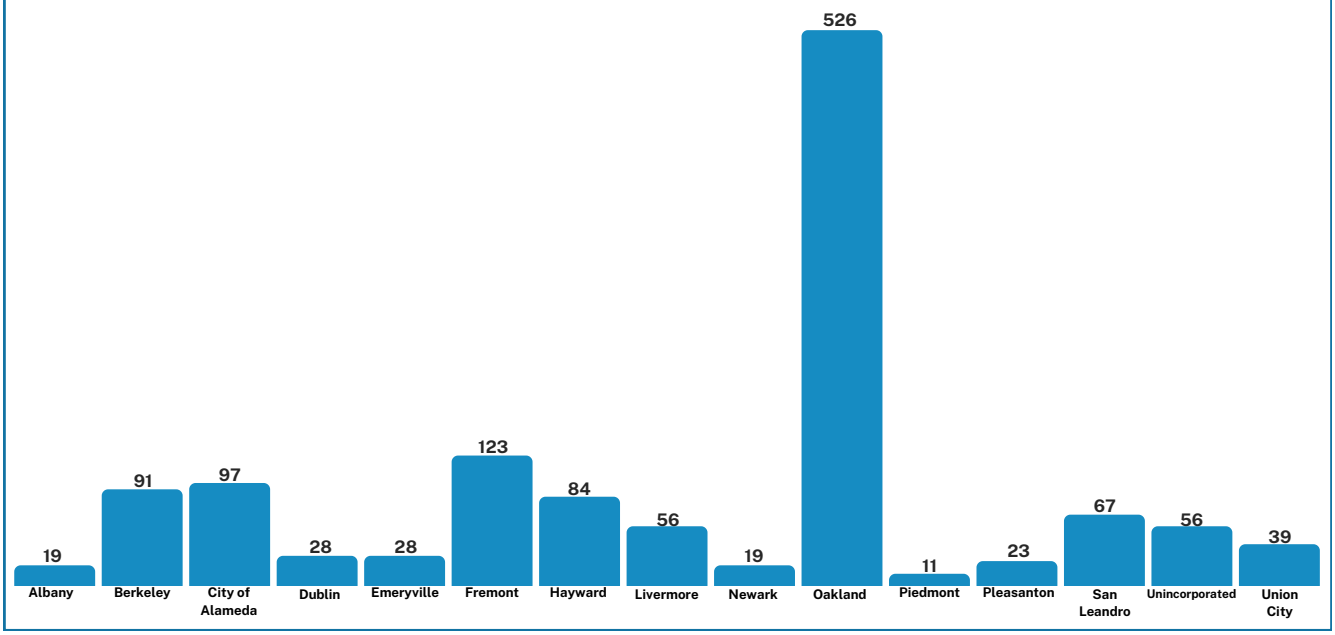


VOLUNTEERS

Alameda County is committed to ending homelessness and that includes solutions that emphasize the importance of equity in all its committees, decision making and policies. As such, the 2024 PIT Count was the first time a county collected the demographics of people volunteering to conduct surveys of people experiencing unsheltered homelessness. While these data provide a baseline analysis for 2024, these demographic comparisons can help the county strategize targeted volunteer recruitment, determine if surveyor bias may be impacting survey completion rates or data collection, and if there is a need for more volunteer training related to race equity.

Additionally, the change in survey approach necessitated more volunteers to facilitate surveys this year. The county and the individual jurisdictions conducted very successful recruitment efforts and 1,278 people registered to volunteers. Volunteers included community members, staff from county cities and service providers, and most importantly, people with lived experience of homelessness. In fact, just over 20% of the people who volunteered to conduct surveys were formerly or currently experiencing homelessness.

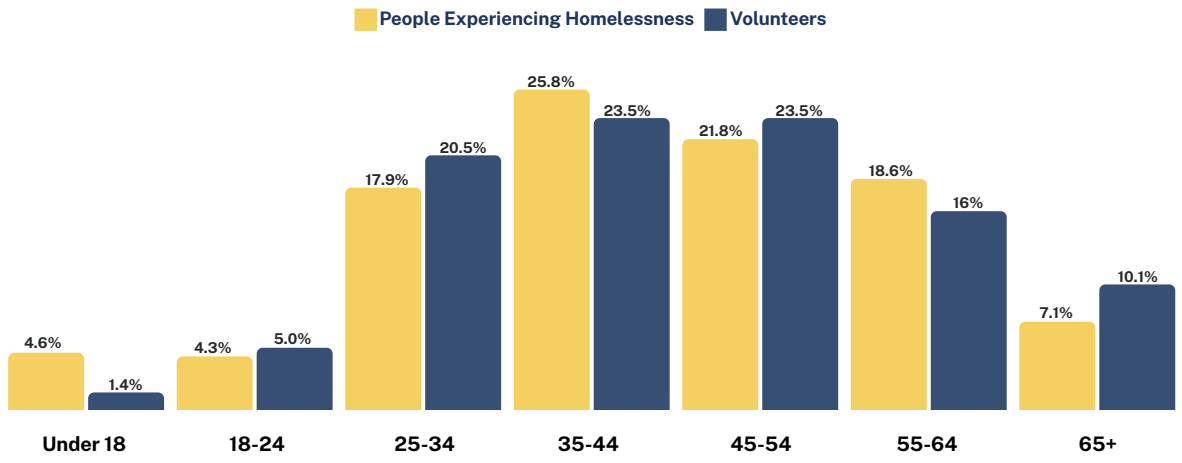
Figure 37: Volunteers By Jurisdiction



Volunteer Age

The ages of volunteers are relatively similar to the population experiencing homelessness. More disparity between groups exists in children under the age of 18 and adults over the age of 65. Many communities choose not to have surveyors in the field who are under 18 unless they are with a parent. Therefore, it is not surprising to see this much of a difference between the populations. Similarly, older adults are often more likely to be retired and have more availability for volunteering.

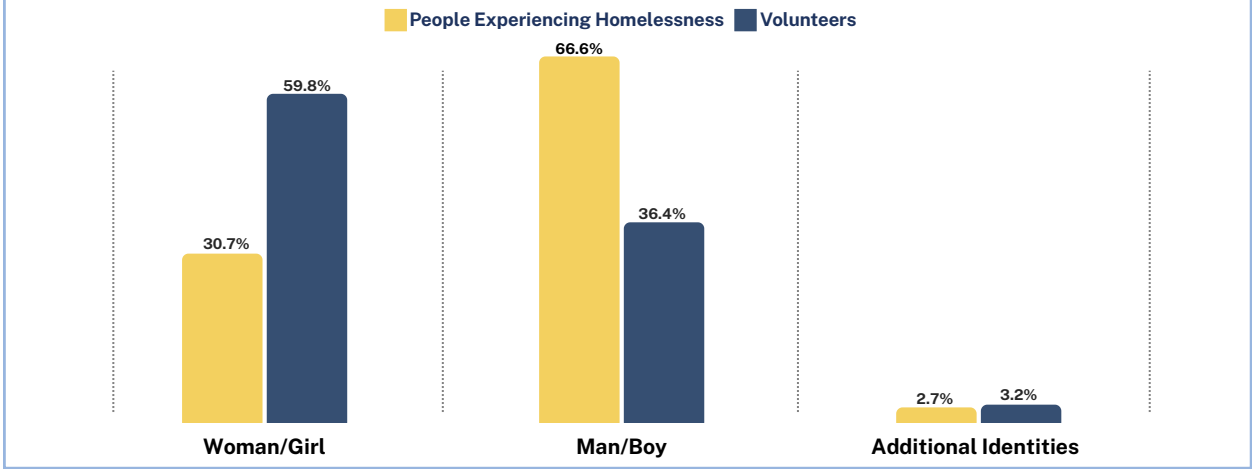
Figure 38: Age Comparisons Between Volunteers and Homeless Populations



Volunteer Gender

Most of the volunteers in Alameda County this year were women (59.8%). As seen in the gender demographics in Figure 39, men are over-represented in the population of people experiencing homelessness. They were under- represented in the pool of volunteers, making up only 36.4% of the group. People who identified as a gender other than man or woman had similar representation to the homeless population.

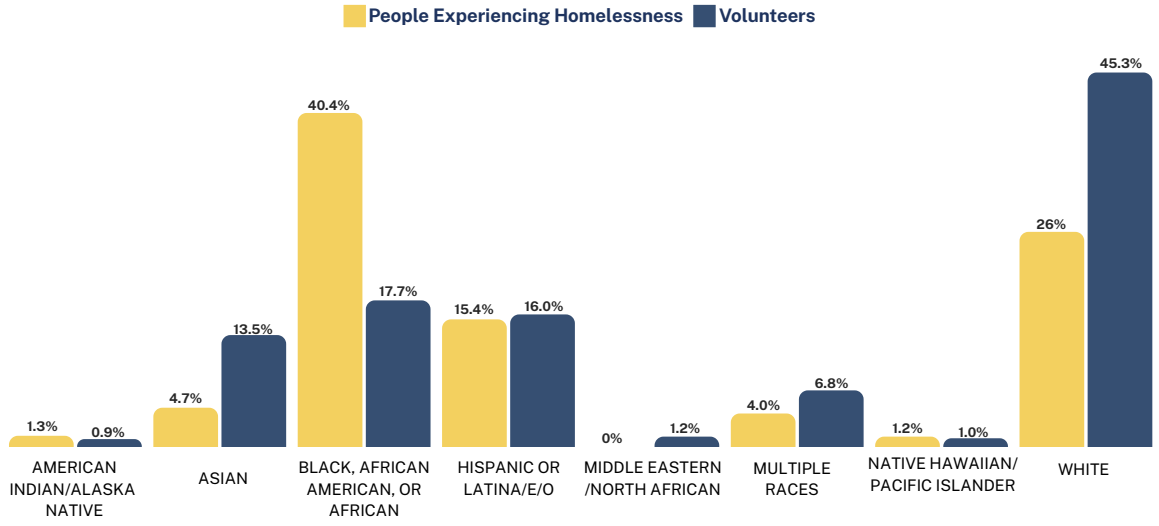
Figure 39: Gender Comparisons Between Volunteers and Homeless Populations



Volunteer Race

Black, African, and African American people disproportionately comprise the homeless population (40.4%), yet only 17.7% of volunteers identified as such. Asian, Multi-Racial, and White people had higher representation in the pool of volunteers than the representation in the population experiencing homelessness.

Figure 40: Race Comparisons Between Volunteers and Homeless Populations





LESSONS LEARNED AND FUTURE FOCUS

As described above, 2024 was the first year that Alameda County used a geographic sampling and enumeration method for the unsheltered count.[1] This method is described in detail in Appendix A.

Between 2017 and 2022, the methodology used for the unsheltered count was a census track level enumeration, attempting to cover directly all of Alameda County's' geography, followed by a targeted survey of approximately 1,500 people experiencing homelessness administered by street outreach workers during the weeks following the count. The survey used was detailed and time was spent completing it as fully as possible with those who consented to be surveyed.

In 2024, roughly the same number of surveys was collected (1,506) but these were administered on a single morning at the same time as the enumeration sampling was conducted, requiring a much larger number of volunteers on the morning of the count. A successful volunteer recruitment led to the largest volunteer effort to date, more than 1,200 people, a significant success.

In preparation for administering the survey on the morning as the count, the previous instrument was reviewed and some questions were removed from the survey instrument. However, even with a shorter survey the response rate on some questions was low. For example, the youth addendum had an extremely low response rate (between 3 and 25 respondents depending on the question), not high enough to draw any statistically significant conclusions. Likewise, the community had hoped to be use information about where people lived prior to becoming homeless to inform targeting for prevention programs and report on the relationship between historic racial injustice, such as neighborhood redlining, and current disparities in homelessness. However, the response rate for this question was too low to draw statistically significant conclusions.[2]

In the future we hope to review the questions that underperformed, refine the survey methodology and training, and the balance between the number and type of questions and the survey time needed to get a higher response rate for any questions included.

[1] We note that this is not the first time that a statistical sampling method was used. Between 2003 and 2015 Alameda County used a service site-based sampling method that also estimated the total unsheltered population from a detailed sampling strategy. This method was replaced by a full enumeration approach in 2017.

[2] Some of this information may still be useful for designing neighborhood targeting strategies for prevention, but any findings will need to be approached with some caution.

APPENDIX A: Count Methodologies

Sheltered Count

GOAL: The goal of the sheltered Count is to gain an accurate Count of persons temporarily housed in shelters, transitional housing, and safe haven programs across the county.

These data are vital to gaining an accurate, overall Count of the homeless population and understanding where homeless persons receive shelter.

DEFINITION: For the purposes of this study, the HUD definition of sheltered homelessness for PIT Counts was used. This definition includes individuals and families living in a supervised publicly or privately operated shelter designated to provide temporary living arrangements such as emergency or transitional shelters or Safe Haven facilities.

RESEARCH DESIGN: All shelter data were gathered either directly from the shelter including domestic violence programs or from the county's Homeless Management Information System, except one shelter program that was unresponsive after numerous attempts and whose data were imputed using average occupancy and demographic data. Only programs listed on the Housing Inventory Chart (HIC) that were operational on the night of the Count were included.

All shelter data were collected either directly from the shelters, including domestic violence programs, or from the county's Homeless Management Information System. The only exception is one shelter program that did not respond despite numerous attempts. For this program, the data were estimated using average occupancy and demographic information. Only programs that were listed on the Housing Inventory Chart (HIC) and operational on the night of the Count were included.

DATA COLLECTION: To collect data on individuals staying in shelters, Simtech worked with the County HMIS staff. The County collected data on all emergency shelters, transitional housing programs, and Safe Havens operating in the county. Data was collected on household status, age, gender, race and ethnicity, veteran status, chronic status, and if individuals had certain health conditions following the HUD data requirements. Data were cleaned by HMIS staff and validated by the operator of the program.

In order to gather information about people staying in shelters, Simtech collaborated with the County HMIS staff. The County collected data from all emergency shelters, transitional housing programs, and Safe Havens operating in the county. The data included information about household status, age, gender, race and ethnicity, veteran status, chronic status, and whether individuals had certain health conditions, as per HUD data requirements. The collected data was then reviewed and verified for accuracy by the HMIS staff and the program operator.

The Unsheltered Count

Fully canvassing a large Continuum of Care (CoC) such as Alameda County for the point-in-time homeless census would require a tremendous number of surveyors. Fortunately, HUD supports a "geographic sampling and enumeration" model that enables regions to derive a statistically reliable point-in-time count estimate without necessitating the entire community to be canvassed. The reporting logic used within the Regional Command Center to support this model was developed by Simtech Solutions Inc. in collaboration with statistician and University of Pennsylvania professor, Dan Treglia, PhD. HUD has since authored the How to Use Sampling within a CoC to Conduct an Accurate Unsheltered Count paper which aligns with Simtech's approach.

Key Changes in Unsheltered Count Approach from 2022 to 2024

The CoC decided to transition from an approach that entailed a blitz count (trying to cover the entire county geography) combined with survey of a random sample of people experiencing homelessness, to a geographic sampling and enumeration approach. This transition increased the overall effort however we are confident that it also increased the accuracy and the depth of information that is now available to improve our collective understanding of the homeless population. This increase in effort was supported by the creation of a new role for jurisdictional leads from each city and town within the County who were guided through a facilitated process to help recruit surveyors, identify known locations of people experiencing homelessness, train surveyors, manage the count locally, and support any data cleanup needed. Key resources for Jurisdictional Leads, including details of their roles and responsibilities, training schedules, training videos, volunteer recruitment materials and other support materials can be found here.

Outreach staff used a "known location survey" within the Counting Us app, 211 call information, and GIS data of known encampment locations in the months before the count to designate census tracts likely to contain people experiencing homelessness (PEH). This information, along with the knowledge of how long it would take to complete the expanded survey, helped inform the community of the number of surveyors that needed to be recruited. The jurisdictional leads did a stellar job with this and recruited 1278 surveyors, compared to the 480 who participated in the 2022 PIT Count. The additional 798 people represent a 285% increase in participation, which was largely a result of the efforts of jurisdictional leads and the communities they represent.

These surveyors were assigned to a jurisdiction within the County and a count team within the jurisdiction. Team sizes were informed by the known location data, the size of each census tract, and the number of tracts designated for sampling.

Surveyors were provided with live virtual training, recorded videos, and documentation to ensure they were well prepared for the count. This preparation included how to engage people in a manner that is both culturally sensitive and trauma-informed, when to use each survey, and how to use the Counting Us app. Within the Counting Us app, surveyors were

provided details of who their team leader was, who else was on their team, where to meet, and what their designated coverage areas were.

Jurisdictional, CoC leads, and Simtech Solutions' staff monitored the incoming data via the Regional Command Center and used the real-time data capture to help ensure each community was properly canvassed and the incoming data was of high quality. If a jurisdictional lead had questions or a surveyor had an issue, the lead was able to connect with Simtech Solutions staff via a virtual help desk.

In the days following the count, large encampments that required additional time to fully canvas were revisited by outreach staff. Survey results were subsequently matched against data that had already been collected in HMIS using the person's name and date of birth. Any data missing from the PIT survey for which a value existed in HMIS was updated. The data was also screened for potential duplicates using an algorithm that looks at personally identifiable information as well as the location of each survey.

Sampling Strategy

A stratified random sample was employed to estimate the number of unsheltered people experiencing homelessness across the entire CoC. This approach required designating each of the 378 censuses block groups within the geographic boundaries of the COC as either "high" or "low" based on the probability of finding a person experiencing homelessness in that census tract. All high-probability areas, and a random sample of low-probability areas, were canvassed during the PIT Count.

The high probability designations were based on results from the previous year's count and institutional knowledge from outreach staff. The "Known Locations Survey" was used in the weeks leading up to the count to identify areas known to contain people experiencing homelessness (PEH). For Alameda County, Simtech worked with Jurisdictional Leads to coordinate with street outreach teams, first responders, and people who are either currently or formerly homeless to identify areas that are likely to contain people experiencing homelessness (PEH). These stakeholders were provided with training on how to capture the location information through the usage of a "Known Location Survey" that was added to the Counting Us mobile app. In addition to this, the GIS departments from Oakland and Pleasanton provided locations of encampments from their internal system.

The County's 211 system provided information on 1312 calls regarding PEH which also included the zip code the call was made from. While this information was not able to be directly correlated to census tracts, it was helpful to validate the designations that were made using the Known Location Survey. The chart to the right lists the ten zip codes that had the highest number of calls.

Rank	Zip Code	Count	Percent
1	94601	221	16.8%
2	94621	89	6.8%
3	94605	86	6.6%
4	94603	66	5.0%
5	94541	64	4.9%
6	94544	51	3.9%
7	94612	50	3.8%
8	94577	43	3.3%
9	94501	42	3.2%
10	94607	41	3.1%

The data gathered was used to designate a total of 234 of the 378 census tracts in which at least three (3) people were counted – all of which were marked as high-probability census tracts.

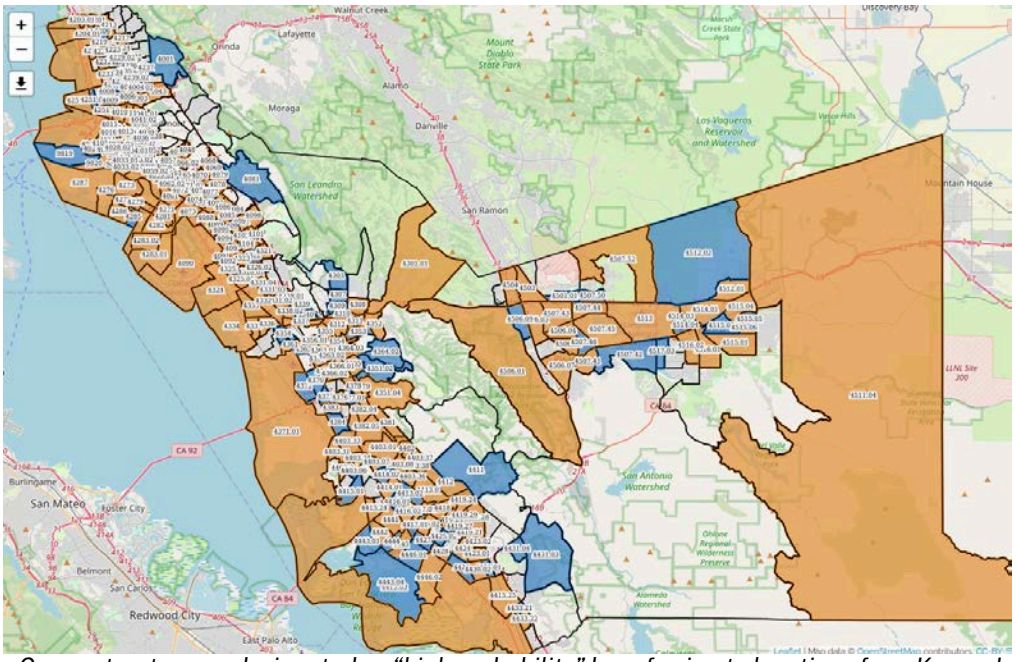


Figure 1 – Census tracts were designated as "high probability" by referring to locations from Known Location Surveys and GIS data provided by the City of Oakland. These are the areas in orange on the map.

The low-probability census area block groups to be canvassed are chosen through a random, computer-generated sample of all census area block groups that were not previously designated as High Probability areas. For Alameda County, there are 378 total census tracts, 234 of which were designated as High Probability and zero (0) indicated to be in an area not suitable for human habitation. This left a total of 144 low-probability areas to be randomly sampled.

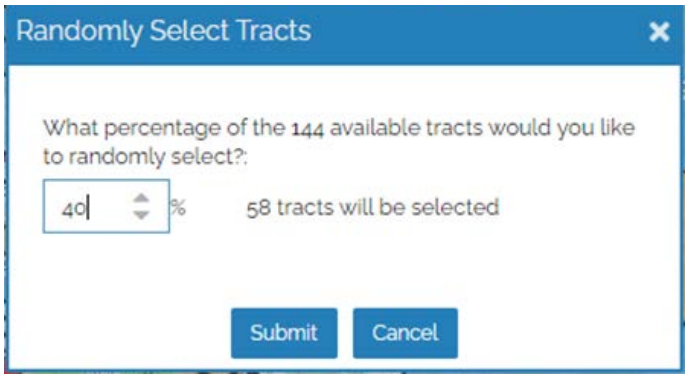
Determining the Number of Low Probability Census Area Block Groups to be Sampled

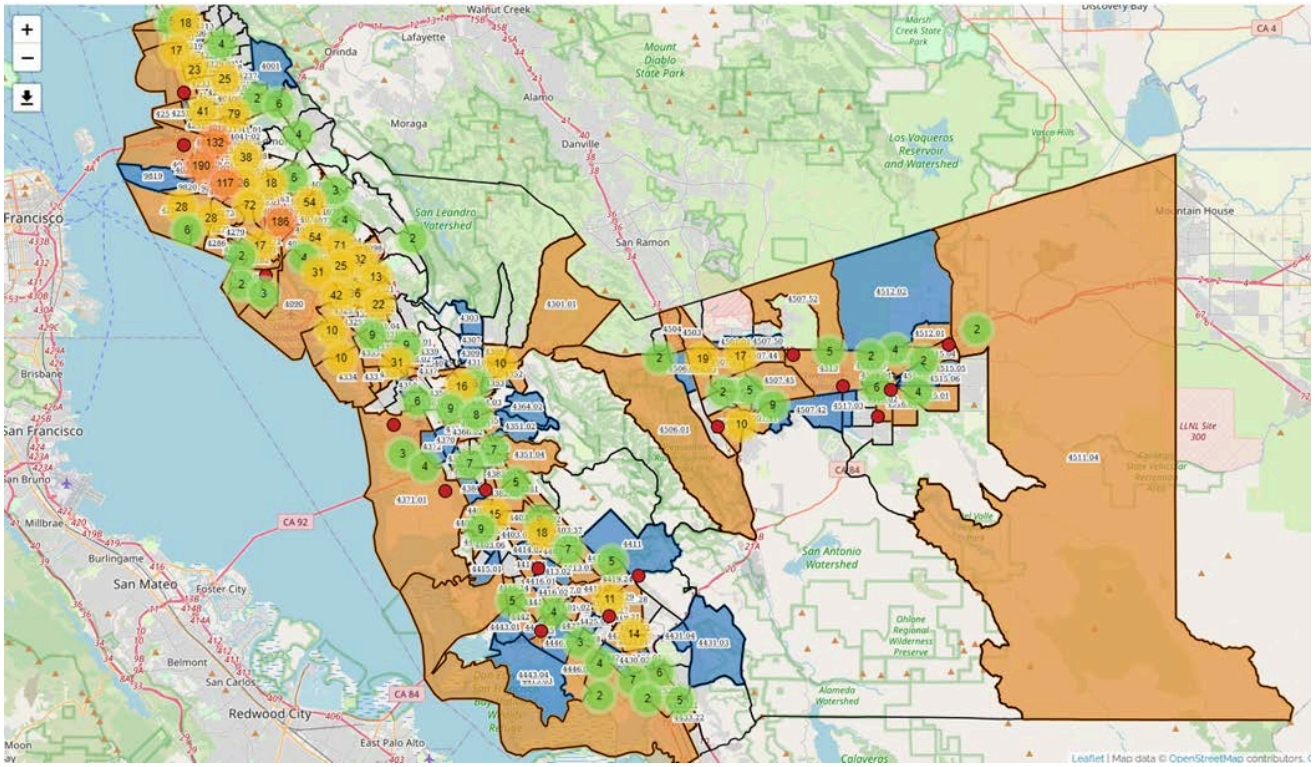
$$n_{LP} = \frac{1}{\frac{d^2}{{N_{LP}}^2 z^2 \sigma^2} + \frac{1}{N_{LP}}}$$

Simtech used the formula to the right to estimate the predicted precision of the count estimate based on the sample size of 144 areas. For Alameda County, the Confidence Level of 95% and a Margin of Error of 10% were used. This resulted in 58 of the 144 census tracts needing to be randomly sampled. This means 58 or more tracts need to be canvassed to have a confidence level of 95% that the real value is within ±10% of the measured/surveyed value.

Randomly Select Tracts in the Command Center

Based on the determination of the number of low-probability census tracts to be sampled, the “Randomly Select Tracts” function within the Command Center was then used to determine which of the tracts were to be canvassed and which were to be ignored. The resulting tract designation is shown below.



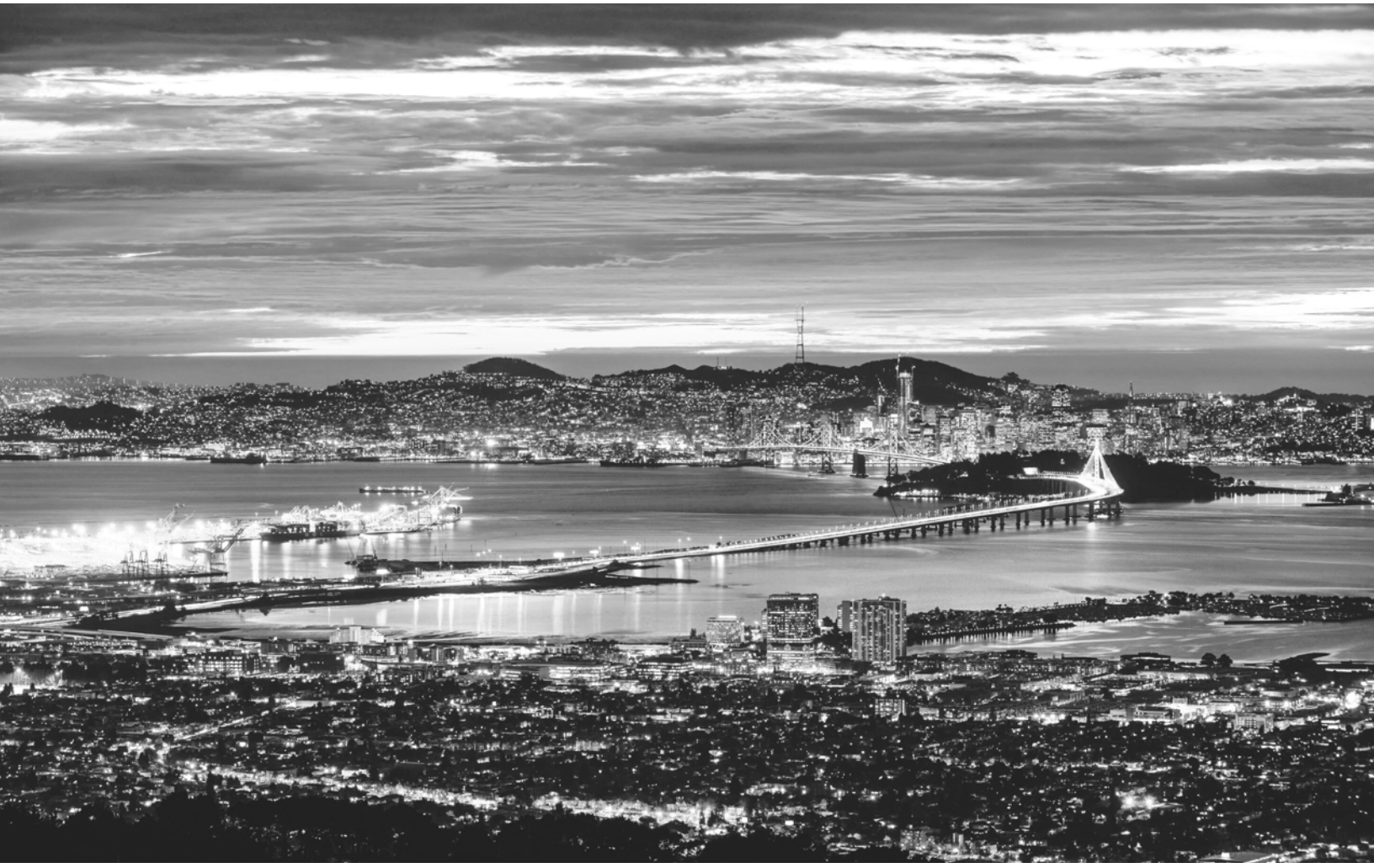


The sampling setup resulted in 236 total high-probability census tracts (shown in orange), 58 randomly selected low-probability tracts (shown in blue), and 84 tracts to be ignored (no coloring).

The Role of the Weighting Factor in Deriving Estimated Count Figures

The Low Probability Weighting Factor is a simple calculation derived by dividing the total number of low-probability census area block groups by the number of low-probability tracts to be sampled. Due to movement of the homeless population, two tracts that were originally designated as low-probability were reassigned as high-probability. For Alameda County, this resulted in a weighting factor of 142/58 or 2.448. After all low-probability areas that have been randomly selected are canvassed, the count results from these areas are multiplied by the weighting factor to derive estimated count figures for all low-probability tracts in the region.

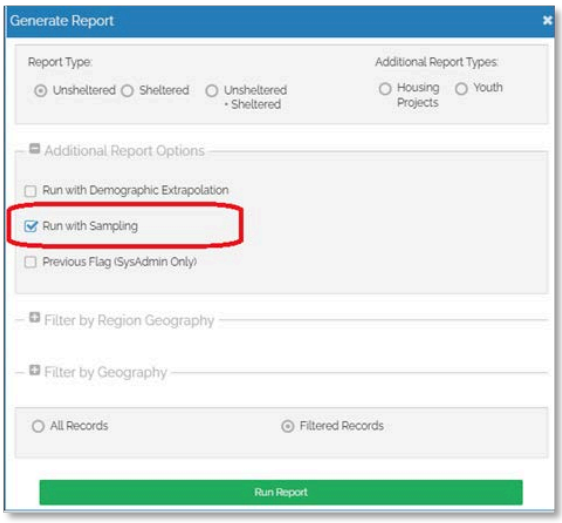
Total Census Tracts	378
High Probability Census Tracts	236
Low Probability Census Tracts	142
Low Probability Sampled	58
Low Probability Weighting Factor	2.448



Enumeration of Count Results

Sampling weights, estimates, and confidence intervals are applied differently to high and low-probability census area block groups to produce final estimates. Since all high-probability census area block groups are to be fully canvassed, there are no sample weighting factors or confidence intervals applied. The weighting factor is applied to survey figures from the low-probability census area block groups to be sampled to derive estimated figures for all low-probability census area block groups.

To ensure the methodological rigor of the PIT estimate, only surveys from areas designated as high probability, or are within low probability census area block groups to be sampled, are included in the results calculation. Surveys from outside of the boundaries of these designated tracts are not included in the results, as doing so would remove the randomness of the random sample.



As shown in the image to the right, the HUD Point in Time Report can be "Run with Sampling" simply by checking off the box shown before clicking "Run Report." An example of the interim results for Alameda County is shown below.

	Region High	Region Low	Region Low w/ Geo. Extrap.	Region Total
Total number of persons	2497	88	215.42	2712.42
Number of children (under age 18)	23	3	7.34	30.34
Number of youth (age 18 to 24)	77	6	14.69	91.69
Number of adults (age 25 to 34)	442	17	41.62	483.62
Number of adults (age 35 to 44)	661	24	58.75	719.75
Number of adults (age 45 to 54)	552	15	36.72	588.72
Number of adults (age 55 to 64)	398	14	34.27	432.27
Number of adults (age 65 or older)	136	2	4.9	140.9
Observed age 25 or older	208	7	17.14	225.14
Unknown Age	0	0	0	0
Chronically Homeless	576	9	22.03	598.03
Veterans	91	3	7.34	98.34

Estimated Number of Homeless, before weighting for Vehicles and Makeshift Shelters, in Alameda County

After the count was completed, 2497 people were counted in the high-probability areas, and 88 were counted in the 58 sampled low-probability areas. The number of people surveyed (88) was multiplied by the Weighting Factor of 2.448 to derive an estimated count of 215.4 people for all low-probability census area block groups. These count figures were adjusted to include the estimated count of people experiencing homelessness (PEH) believed to have been living in vehicles or makeshift shelters.

Estimating People Living in Vehicles or Makeshift Shelters

The Vehicle/Structure Tally is an optional feature used to count Vehicles and Makeshift Shelters (VMS) that appear to be serving as temporary living situations for people who cannot be engaged. The process for deriving estimates of people living in these situations is as follows:

1. An average count of people sleeping in each vehicle and makeshift shelter type is derived. To calculate this average, the additional question of "Including yourself, how many people are sleeping in this location?" is asked of anyone who responds to the "Where did you sleep during the night of the count?" question with any living situation that is either a type of vehicle or a makeshift shelter. For instances with three or less people surveyed for the living situation, national averages derived from the 68 regions that used Counting Us for the 2024 count, are applied. These averages, and the sample size for each, are shown in the table below.

Row Labels	Average of num_sleeping	Total Records
Abandoned Building	1.92	24
Boat	1.55	11
Car	1.75	1430
Makeshift Shelter	1.86	443
Other	1.92	166
RV	2.30	948
Tent	1.72	1278
Van	2.40	482
Grand Total	**1.935173568**	**4782**

2. Surveyors use the Vehicle/Makeshift Shelter Tally to count any of these living situations that are believed to contain people sleeping in them who cannot be engaged.

   In adherence to the guidance from the HUD Housing Inventory Count (HIC) and Point-in-Time (PIT) Count Notice, these structures are only included in the count estimates if the following conditions are met:

   A. The answer to the question "Please indicate whether or not the vehicle or structure appears to be actively being used or if it appears abandoned?" is not "Appears Abandoned." B. For RVs, the RV is counted if the answer to "Please provide details on the condition of the RV?" is not "RV appears to be in good working order and is suitable for habitation" and "Occupants do not have access to sewer, water, and electricity" is selected.

3. The averages derived in step 1 are multiplied by the counts from step 2 to derive an estimated count per vehicle and structure type.

4. The total estimates for each vehicle and structure type are added together to create a total estimated count of people living in VMS for the region. These totals are subsequently weighted based on whether the vehicle or structure was in a low or high-probability area that was designated to be canvassed, as shown in the report image below. This produced an estimated count of 501 people.

A VMS Weighting Factor is calculated based on the total estimated count of 6104 people experiencing homelessness divided by the 2706 count estimate from the geographic sampling and enumeration. This results in a weighting factor of 2.21 that is applied to all count estimates.

Vehicle and Makeshift Shelter Stats					
Vehicle/Structure Type	Avg. People per Vehicle/Structure	# Vehicles/Structures - High Prob. Areas	Est. # People - High	# Vehicles/Structures - Low Prob. Areas	Est. # People - Low
Car	1.5	545	818	29	44
RV	1.7	509	865	12	20
Abandoned Building	1.9	5	10	0	0
Tent	1.6	253	405	6	10
Van	1.6	443	709	14	22
Makeshift Shelter	1.6	153	245	3	5
Boat	1.6	1	2	0	0
Other	1.6	80	128	6	10
Total			3182		111

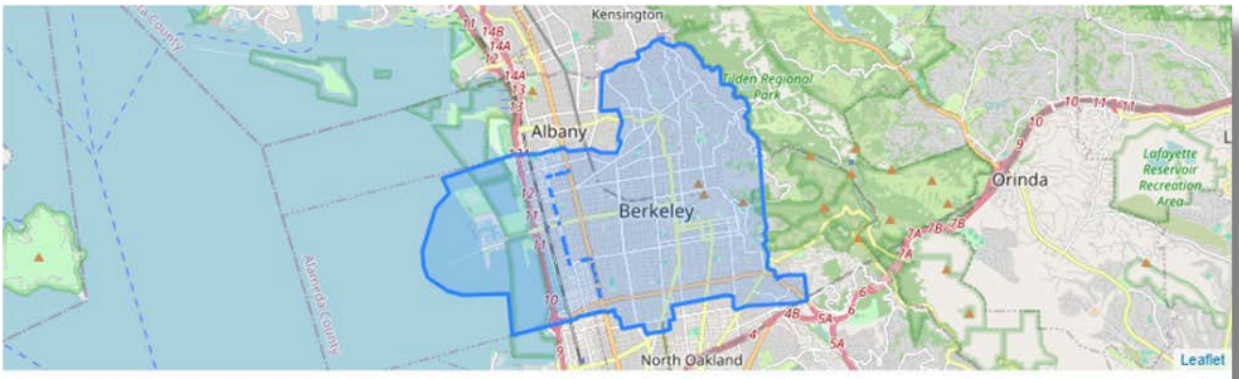
Safe Parking Sites

There were a total of 239 people experiencing homelessness counted in Safe Parking sites. These figures were a straight count gathered from conducting surveys of everyone residing in any of the five (5) safe parking sites throughout Alameda County. No enumeration was applied to these results and these figures, as well as the demographic survey details, were added to the count estimates described above to produce the final unsheltered count estimates.



Deriving Estimates in Sub-Regions

Since the number of census area block groups within a sub-region such as a city or town is an insufficient sample size for estimations, the estimates for these sub-regions are derived from the estimates calculated at the CoC level. These estimates are based on the number of people counted in high-probability census area block groups within the subregion combined with the weighted average number of people estimated in the low-probability sample.



	Full Region Details	Sub-Region Details
Total Census Tracts	378	33
High Probability Census Tracts	236	17
Low Probability Census Tracts	142	16
Low Probability Sampled	58	4
Low Probability Weighting Factor	2.448	
Sub-Region Percentage		11.27

For the Berkeley region, 149 people were counted in “high probability” census area block groups. The weighted average for the low-probability block groups is calculated by multiplying the count estimate for all low-probability block groups in the COC (88) with the percentage of low-probability block groups that exist within the sub-region. For Berkeley, the sixteen (16) low-probability block groups comprise 11.27% of the 58 sampled low-probability block groups. This sub-region percentage is multiplied by the count estimate of 215 people for the entire CoC to derive a sub-region estimate of 24.28 people. The final count estimate is derived by adding this figure to the 149 people counted in high-probability block groups to derive an estimate of 173.28.

	Region High	Region Low	Region Low w/ Geo. Extrap.	Region Total	Sub-Region High	Sub-Region Low Extrap.	Sub-Region Total
Total number of persons	2497	88	215.42	2712.42	149	24.28	173.28

APPENDIX B: HDX Tables Submitted to HUD

HUD Annual Homeless Census - Point In Time Report

REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Households with at Least One Adult and One Child

Households and Age Breakdown	Emergency Shelter	Transitional Housing	Unsheltered	Total
Total Number of Households	134	74	29	237
Total Number of Persons (Adults & Children)	403	190	106	699
Number of Children (under age 18)	232	112	55	399
Number of Youth (age 18-24)	14	22	0	36
Number of Adults (25-34)	57	35	16	108
Number of Adults (35-44)	64	20	13	97
Number of Adults (45-54)	22	1	19	42
Number of Adults (55-64)	10	0	3	13
Number of Adults (65 and Over)	4	0	0	4

Gender (Adults and Children)	Emergency Shelter	Transitional Housing	Unsheltered	Total
Woman (Girl, if Child)	254	127	41	422
Man (Boy, if Child)	148	63	38	249
Culturally Specific Identity	0	0	0	0
Transgender	0	0	0	0
Non-Binary	1	0	0	1
Questioning	0	0	7	7
Different Identity	0	0	0	0
More Than One Gender	0	0	20	20
Of those that selected More Than One Gender, how many people reported gender identities that:				
Includes Woman (Girl, if Child)	0	0	20	20
Includes Man (Boy, if Child)	0	0	20	20
Includes Culturally Specific Identity	0	0	0	0
Includes Transgender	0	0	0	0
Includes Non-Binary	0	0	0	0
Includes Questioning	0	0	0	0
Includes Different Identity	0	0	0	0

HUD Annual Homeless Census - Point In Time Report

Race (Adults and Children)	Emergency Shelter	Transitional Housing	Unsheltered	Total
American Indian, Alaska Native, or Indigenous	8	4	0	12
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	11	6	0	17
Asian or Asian American	9	0	37	46
Asian or Asian American & Hispanic/Latina/e/o	0	0	0	0
Black, African American, or African	148	101	17	266
Black, African American, or African & Hispanic/Latina/e/o	10	17	3	30
Hispanic/Latina/e/o	87	20	37	144
Middle Eastern or North African	0	0	0	0
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	0
Native Hawaiian or Other Pacific Islander	2	1	0	3
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	1	4	0	5
White	75	3	12	90
White & Hispanic/Latina/e/o	24	24	0	48
Multi-Racial & Hispanic/Latina/e/o	9	3	0	12
Multi-Racial (not Hispanic/Latina/e/o)	19	7	0	26

Chronically Homeless	Emergency Shelter	Transitional Housing	Unsheltered	Total
Total Number of Households	72	0	0	72
Total Number of Persons	203	0	0	203

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REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Households without Children

Households and Age Breakdown	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Total Number of Households	1827	631	11	5929	8398
Total Number of Persons (Adults)	1853	635	11	6226	8725
Number of Youth (age 18-24)	71	109	0	213	393
Number of Adults (25-34)	246	129	1	1212	1588
Number of Adults (35-44)	392	126	2	1822	2342
Number of Adults (45-54)	416	116	1	1494	2027
Number of Adults (55-64)	488	111	5	1116	1720
Number of Adults (65+)	240	44	2	369	655

Gender	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Woman (Girl, if Child)	615	174	0	1673	2462
Man (Boy, if Child)	1217	452	11	4354	6034
Culturally Specific Identity	0	0	0	9	9
Transgender	10	2	0	21	33
Non-Binary	5	5	0	20	30
Questioning	0	0	0	27	27
Different Identity	0	0	0	34	34
More Than One Gender	6	2	0	86	94
Of those that selected More Than One Gender, how many people reported gender identities that:					
Includes Woman (Girl, if Child)	3	1	0	76	80
Includes Man (Boy, if Child)	5	1	0	76	82
Includes Culturally Specific Identity	0	0	0	3	3
Includes Transgender	2	2	0	12	16
Includes Non-Binary	1	0	0	0	1
Includes Questioning	0	0	0	5	5
Includes Different Identity	1	0	0	5	6

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Race	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
American Indian, Alaska Native, or Indigenous	35	4	0	69	108
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	42	5	0	73	120
Asian or Asian American	70	21	1	303	395
Asian or Asian American & Hispanic/Latina/e/o	1	0	0	8	9
Black, African American, or African	883	402	4	2251	3540
Black, African American, or African & Hispanic/Latina/e/o	21	16	1	19	57
Hispanic/Latina/e/o	130	41	0	1140	1311
Middle Eastern or North African	2	1	0	40	43
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	3	3
Native Hawaiian or Other Pacific Islander	17	11	0	79	107
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	1	5	0	8	14
White	447	80	4	1818	2349
White & Hispanic/Latina/e/o	116	24	1	164	305
Multi-Racial & Hispanic/Latina/e/o	15	4	0	27	46
Multi-Racial (not Hispanic/Latina/e/o)	73	21	0	203	297

Chronically Homeless	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Total Number of Persons	1180	0	8	2441	3629

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REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Households with only Children (under age 18)

Households and Age Breakdown	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Total Number of Households	11	0	0	11	22
Total Number of Children (<18)	15	0	0	11	26

Gender	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Woman (Girl, if Child)	8	0	0	6	14
Man (Boy, if Child)	7	0	0	6	13
Culturally Specific Identity	0	0	0	0	0
Transgender	0	0	0	0	0
Non-Binary	0	0	0	0	0
Questioning	0	0	0	0	0
Different Identity	0	0	0	0	0
More Than One Gender	0	0	0	0	0
Of those that selected More Than One Gender, how many people reported gender identities that:					
Includes Woman (Girl, if Child)	0	0	0	0	0
Includes Man (Boy, if Child)	0	0	0	0	0
Includes Culturally Specific Identity	0	0	0	0	0
Includes Transgender	0	0	0	0	0
Includes Non-Binary	0	0	0	0	0
Includes Questioning	0	0	0	0	0
Includes Different Identity	0	0	0	0	0

Race	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
American Indian, Alaska Native, or Indigenous	0	0	0	0	0
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	1	0	0	0	1
Asian or Asian American	1	0	0	0	1
Asian or Asian American & Hispanic/Latina/e/o	1	0	0	0	1

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Black, African American, or African	11	0	0	0	11
Black, African American, or African & Hispanic/Latina/e/o	0	0	0	0	0
Hispanic/Latina/e/o	1	0	0	0	1
Middle Eastern or North African	0	0	0	0	0
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	0	0
Native Hawaiian or Other Pacific Islander	0	0	0	0	0
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	0	0	0	0	0
White	0	0	0	11	11
White & Hispanic/Latina/e/o	0	0	0	0	0
Multi-Racial & Hispanic/Latina/e/o	0	0	0	0	0
Multi-Racial (not Hispanic/Latina/e/o)	0	0	0	0	0

Chronically Homeless	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Total Number of Persons	0	0	0	0	0

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REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Veteran Households with at Least One Adult and One Child

Household and Age Breakdown	Emergency Shelter	Transitional Housing	Unsheltered	Total
Total number of Households	2	0	0	2
Total number of Persons	6	0	0	6
Total number of Veterans	3	0	0	3

Gender (Veterans Only)	Emergency Shelter	Transitional Housing	Unsheltered	Total
Woman (Girl, if Child)	2	0	0	2
Man (Boy, if Child)	1	0	0	1
Culturally Specific Identity	0	0	0	0
Transgender	0	0	0	0
Non-Binary	0	0	0	0
Questioning	0	0	0	0
Different Identity	0	0	0	0
More Than One Gender	0	0	0	0
Of those that selected More Than One Gender, how many people reported gender identities that:				
Includes Woman (Girl, if Child)	0	0	0	0
Includes Man (Boy, if Child)	0	0	0	0
Includes Culturally Specific Identity	0	0	0	0
Includes Transgender	0	0	0	0
Includes Non-Binary	0	0	0	0
Includes Questioning	0	0	0	0
Includes Different Identity	0	0	0	0

Race (Veterans Only)	Emergency Shelter	Transitional Housing	Unsheltered	Total
American Indian, Alaska Native, or Indigenous	0	0	0	0
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	0	0	0	0
Asian or Asian American	0	0	0	0

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Asian or Asian American & Hispanic/Latina/e/o	0	0	0	0
Black, African American, or African	1	0	0	1
Black, African American, or African & Hispanic/Latina/e/o	0	0	0	0
Hispanic/Latina/e/o	0	0	0	0
Middle Eastern or North African	0	0	0	0
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	0
Native Hawaiian or Other Pacific Islander	0	0	0	0
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	0	0	0	0
White	2	0	0	2
White & Hispanic/Latina/e/o	0	0	0	0
Multi-Racial & Hispanic/Latina/e/o	0	0	0	0
Multi-Racial (not Hispanic/Latina/e/o)	0	0	0	0

Chronically Homeless	Emergency Shelter	Transitional Housing	Unsheltered	Total
Total Number of Households	0	0	0	0
Total Number of Persons	0	0	0	0

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REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Veteran Households without Children

Household and Age Breakdown	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Total Number of Households	68	59	10	384	521
Total Number of Persons	68	59	10	403	540
Total Number of Veterans	68	59	10	384	521

Gender (Veterans Only)	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Woman (Girl, if Child)	5	4	0	60	69
Man (Boy, if Child)	63	53	10	320	446
Culturally Specific Identity	0	0	0	0	0
Transgender	0	1	0	0	1
Non-Binary	0	1	0	4	5
Questioning	0	0	0	0	0
Different Identity	0	0	0	0	0
More Than One Gender	0	0	0	0	0
Of those that selected More Than One Gender, how many people reported gender identities that:					
Includes Woman (Girl, if Child)	0	0	0	0	0
Includes Man (Boy, if Child)	0	0	0	0	0
Includes Culturally Specific Identity	0	0	0	0	0
Includes Transgender	0	0	0	0	0
Includes Non-Binary	0	0	0	0	0
Includes Questioning	0	0	0	0	0
Includes Different Identity	0	0	0	0	0

Race (Veterans Only)	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
American Indian, Alaska Native, or Indigenous	0	2	0	5	7
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	0	1	0	0	1
Asian or Asian American	3	2	1	8	14

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Asian or Asian American & Hispanic/Latina/e/o	0	0	0	0	0
Black, African American, or African	31	30	4	107	172
Black, African American, or African & Hispanic/Latina/e/o	0	1	1	0	2
Hispanic/Latina/e/o	0	2	0	39	41
Middle Eastern or North African	0	0	0	3	3
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	0	0
Native Hawaiian or Other Pacific Islander	1	0	0	8	9
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	0	2	1	0	3
White	27	13	3	52	95
White & Hispanic/Latina/e/o	0	1	0	3	4
Multi-Racial & Hispanic/Latina/e/o	3	1	0	0	4
Multi-Racial (not Hispanic/Latina/e/o)	3	4	0	12	19

Chronically Homeless	Emergency Shelter	Transitional Housing	Safe Haven	Unsheltered	Total
Total Number of Persons	22	0	8	189	219

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REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Unaccompanied Youth Households

Households and Age Breakdown	Emergency Shelter	Trans. Housing	Safe Haven	Unsheltered	Total
Unaccompanied Youth Households	81	109	0	198	388
Unaccompanied Youth	86	109	0	203	398
Unaccompanied Children (<18)	15	0	0	11	26
Unaccompanied Young Adults (18-24)	71	109	0	191	371

Gender (Unaccompanied Youth)	Emergency Shelter	Trans. Housing	Safe Haven	Unsheltered	Total
Woman (Girl, if Child)	34	45	0	59	138
Man (Boy, if Child)	49	59	0	121	229
Culturally Specific Identity	0	0	0	0	0
Transgender	1	2	0	3	6
Non-Binary	1	2	0	0	3
Questioning	0	0	0	3	3
Different Identity	0	0	0	6	6
More Than One Gender	1	1	0	10	12
Of those that selected More Than One Gender, how many people reported gender identities that:					
Includes Woman (Girl, if Child)	1	2	0	10	13
Includes Man (Boy, if Child)	1	0	0	10	11
Includes Culturally Specific Identity	0	0	0	0	0
Includes Transgender	0	1	0	0	1
Includes Non-Binary	0	0	0	0	0
Includes Questioning	0	0	0	0	0
Includes Different Identity	0	0	0	0	0

Race (Unaccompanied Youth)	Emergency Shelter	Trans. Housing	Safe Haven	Unsheltered	Total
American Indian, Alaska Native, or Indigenous	1	1	0	4	6

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American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	4	2	0	0	6
Asian or Asian American	2	1	0	4	7
Asian or Asian American & Hispanic/Latina/e/o	1	0	0	0	1
Black, African American, or African	46	76	0	66	188
Black, African American, or African & Hispanic/Latina/e/o	2	3	0	0	5
Hispanic/Latina/e/o	13	10	0	50	73
Middle Eastern or North African	0	0	0	0	0
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	0	0
Native Hawaiian or Other Pacific Islander	0	1	0	0	1
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	0	0	0	0	0
White	8	4	0	60	72
White & Hispanic/Latina/e/o	7	4	0	6	17
Multi-Racial & Hispanic/Latina/e/o	1	2	0	0	3
Multi-Racial (not Hispanic/Latina/e/o)	1	5	0	17	23

Chronically Homeless	Emergency Shelter	Trans. Housing	Safe Haven	Unsheltered	Total
Total Number of Persons	38	0	0	7	45

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REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Parenting Youth Households

Households and Age Breakdown	Emergency Shelter	Transitional Housing	Unsheltered	Total
Total Number of Parenting Youth Households	7	20	0	27
Total Number of Persons	22	49	0	71
Total Parenting Youth	9	21	0	30
Total Children in Parenting Youth Households	13	28	0	41
Parenting Youth Under Age 18	0	0	0	0
Children with Parenting Under Age 18	0	0	0	0
Number of Parenting Youth (Age 18 to 24)	9	21	0	30
Number of Children with Parenting Youth	13	28	0	41

Gender (Youth Parents)	Emergency Shelter	Transitional Housing	Unsheltered	Total
Woman (Girl, if Child)	6	19	0	25
Man (Boy, if Child)	3	2	0	5
Culturally Specific Identity	0	0	0	0
Transgender	0	0	0	0
Non-Binary	0	0	0	0
Questioning	0	0	0	0
Different Identity	0	0	0	0
More Than One Gender	0	0	0	0
Of those that selected More Than One Gender, how many people reported gender identities that:				
Includes Woman (Girl, if Child)	0	0	0	0
Includes Man (Boy, if Child)	0	0	0	0
Includes Culturally Specific Identity	0	0	0	0
Includes Transgender	0	0	0	0
Includes Non-Binary	0	0	0	0
Includes Questioning	0	0	0	0
Includes Different Identity	0	0	0	0

Race (Youth Parents)	Emergency Shelter	Transitional Housing	Unsheltered	Total

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American Indian, Alaska Native, or Indigenous	0	1	0	1
American Indian, Alaska Native, or Indigenous & Hispanic/Latina/e/o	2	1	0	3
Asian or Asian American	0	0	0	0
Asian or Asian American & Hispanic/Latina/e/o	0	0	0	0
Black, African American, or African	3	10	0	13
Black, African American, or African & Hispanic/Latina/e/o	0	2	0	2
Hispanic/Latina/e/o	0	2	0	2
Middle Eastern or North African	0	0	0	0
Middle Eastern or North African & Hispanic/Latina/e/o	0	0	0	0
Native Hawaiian or Other Pacific Islander	1	0	0	1
Native Hawaiian or Other Pacific Islander & Hispanic/Latina/e/o	0	0	0	0
White	1	0	0	1
White & Hispanic/Latina/e/o	1	5	0	6
Multi-Racial & Hispanic/Latina/e/o	0	0	0	0
Multi-Racial (not Hispanic/Latina/e/o)	1	0	0	1

Chronically Homeless	Emergency Shelter	Transitional Housing	Unsheltered	Total
Total Number of Parenting Youth Households	0	0	0	0
Total Number of Parenting Youth	0	0	0	0

REPORTING ENTITY			
State:	California	**Count Date:**	1/25/2024
Continuum of Care:	CA-502 - Oakland, Berkeley/Alameda County	**Region:**	Entire CoC

Additional Homeless Populations

Additional Homeless Populations	Emergency Shelter	Trans. Housing	Safe Haven	Unsheltered	Total
Adults with a Serious Mental Illness	895	239	8	1489	2631
Adults with a Substance Use Disorder	658	170	4	1194	2026
Adults with HIV/AIDS	49	13	1	129	192
Victims of Domestic Violence	276	85	2	303	666

APPENDIX C: Unsheltered Survey Instrument



This Survey Template is designed to mirror the base "Unsheltered Survey" within the Counting Us app. The questions are color coded as noted below.
RED FONT = HUD required questions that are needed to produce the HUD Point in Time report.
PURPLE FONT = These are commonly asked research questions that can be removed without impacting any reporting or conditional logic.
BLACK FONT = Supporting questions designed to help improve the integrity of the data.
YELLOW FONT = Community custom questions.
+ = RHY or YHDP required questions.

Introduction & Screener	
*Hello, my name is _____ and I'm a volunteer for local outreach. We are surveying to understand homelessness in our community better and improve programs. If you participate your responses will be kept confidential. You can skip any question, and your answers will not affect your eligibility for compensation or services. The information will not be shared with anyone outside of our team. I need to read each question all the way through. Can I have about 10 minutes of your time? *	
1. Have you already been interviewed today for the Point in Time Count?	❑ Yes ❑ No (If Yes --- STOP)
2. Where are you sleeping on the night of the Count? (If an option in bold is selected, continue with the survey)	❑ **Abandoned building** ❑ **Under a bridge / overpass** ❑ Jail ❑ **Bus/ Train station** ❑ **Vehicle / Boat / RV** ❑ Motel/Hotel paid for w/ own $ ❑ **Motel/Hotel paid for by agency** ❑ **Emergency shelter** ❑ Transitional housing ❑ **Outdoor encampment** ❑ House or apt – rent/own ❑ Treatment program ❑ **Park** ❑ Hospital ❑ **Street or Sidewalk** ❑ w/ friend or family (couch surfing) ❑ In a place being evicted from ❑ **Other:** _____
3. What is your name?	First Name (or Initial): _____ Last Name (or Initial): _____ ❑ Person prefers not to answer
a. If hesitant, ask "What are your initials?"	Text box

Demographic Questions	
4. What is your date of birth?	(mm/dd/yyyy) ___/ ___ /_____ ❑ Person doesn't know ❑ Person prefers not to answer
a. If person is not comfortable to answer date of birth, ask "How old are you?"	Numeric Box
b. If refused to answer age, "What age range do you fall into?"	❑ <5 ❑ 5-12 ❑ 13-17 ❑ 18-24 ❑ 25-34 ❑ 35-44 ❑ 45-54 ❑ 55-64 ❑ 65+
5. What is your gender? (select all that apply)	❑ Woman ❑ Man ❑ Culturally Specific Identity (e.g., Two-Spirit) ❑ Transgender ❑ Non-Binary ❑ Questioning ❑ Different Identity ❑ Person doesn't know ❑ Person prefers not to answer
a. If Different Identity, please specify	Text box
6. What is your race? (select all that apply)	❑ American Indian, Alaska Native, or Indigenous (Specify Tribe (optional): _____) ❑ Asian or Asian American ❑ Black, African American, or African ❑ Hispanic/Latina/e/o ❑ Middle Eastern or North African ❑ Native Hawaiian or Pacific Islander ❑ White ❑ Other: _____ ❑ Person doesn't know ❑ Person prefers not to answer
7. Which of these options best describes your sexual orientation?	❑ Lesbian ❑ Gay ❑ Bisexual ❑ Queer ❑ Straight ❑ Other Identity: _____ ❑ Person doesn't know ❑ Person prefers not to answer
8. Are you currently pregnant or expecting to become a parent within the next 9 months?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
9. Do you have a pet (currently living with you)?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
10. Have you served in the U.S. Armed Forces? (Army, Navy, Air Force, Marine Corps, or Coast Guard)	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. Were you ever called into active duty as a member of the	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
National Guard or as a Reservist?	

Homeless History and residency	
11. Is this the first time you have been homeless?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
12. How long have you been homeless this time? Only include time you spent staying in shelters and/or on the streets.	❑ 0 to 3 months ❑ 4 to 6 months ❑ 7 to 11 months ❑ 12 to 23 months ❑ 24 to 35 months ❑ 36 months or more
13. How many different times have you been homeless in the past 3 years, including this current time?	❑ Fewer than 4 times ❑ 4 or more times ❑ Person doesn't know ❑ Person prefers not to answer
14. Have you been living in an emergency shelter and/or on the streets (including bus stations, underpasses, encampments, abandoned buildings, etc.) for the past year (12 months) or more?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
15. How old were you the first time you experienced homelessness?	❑ 0-17 years ❑ 18-24 years ❑ 25-34 years ❑ 35-44 years ❑ 45-54 years ❑ 55-64 years ❑ 65 or older
16. How long have you lived in Alameda County?	❑ Less than 6 months ❑ 6 months to 1 year ❑ 1-4 years ❑ 5-9 years ❑ 10+ years
17. Do you remember the address where you were living when you became homeless this time?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes	**Street:** _____ **City:** _____ **State:** _____ **Zip:** _____
18. What is the primary event or events that led to you currently being homeless? (Select all that apply):	❑Eviction/Foreclosure/Rent increase ❑ Victim of crime ❑ Family or friends couldn't let me stay or argument with family/friend/roommate ❑ Family/domestic violence ❑ Divorce/Separation/Break-up ❑ Death of someone close to me ❑ Other money issues including medical bills, etc. ❑ Loss of subsidy or other housing financial support ❑ COVID-19 related issue ❑ Racial bias/racism ❑ Aging out of foster care ❑ Incarceration ❑Mental health needs ❑ Substance use ❑ Physical health needs ❑ Job loss ❑ Stopped using supports and services ❑Other: _____

Health and Housing	
19. Do you have a Substance Use Disorder?	❑ No ❑ Alcohol use disorder ❑ Drug use disorder ❑ Both Alcohol and Drug use disorders ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes, is this a long-term disability that impairs your ability to hold a job or live independently?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
20. Do you have a Chronic Health Condition?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes, is this a long-term disability that impairs your ability to hold a job or live independently?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
21. A traumatic brain injury to your brain from a bump, blow or wound to the head?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes, is this a long-term disability that impairs your ability to hold a job or live independently?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
22. Do you have a Mental Health Condition?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes, is this a long-term disability that impairs your ability to hold a job or live independently?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
23. Do you have a Physical Disability?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes, is this a long-term disability that impairs your ability to hold a job or live independently?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
24. Do you have a Developmental Disability?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer

25. Do you have AIDS or an HIV-related illness?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
26. Are you a survivor of domestic violence?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. If yes, when did the experience(s) occur?	❑ Within the past three months ❑ Three to six months ago (excluding six months exactly) ❑ Six months to one year ago (excluding one year exactly) ❑ One year ago, or more ❑ Person prefers not to answer
b. If yes, are you currently fleeing?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
27. What is your current employment status?	❑ Not employed - Looking for work ❑ Not employed - Unable to work ❑ Not employed - Not looking for work ❑ Employed full time ❑ Employed part time ❑ Employed seasonal
28. If you are not employed, what is keeping you from employment? (Select all that apply)	❑ A developmental disability? ❑ Age ❑ No phone ❑ Physical disability ❑ Health problems ❑ Criminal record ❑ Mental health needs ❑No transportation ❑ Childcare needs ❑ No access to technology ❑ Alcohol/drug use ❑ Need education/training /skill development ❑ No permanent address ❑ No available work/jobs ❑ No work permit ❑ Need clothing/shower facilities ❑ No photo ID/Social Security card ❑ Lack of confidence❑ Pet care ❑ COVID-19 issues (safety, fear, caregiving, etc.) ❑ Fear of losing personal belongings ❑ Risk of losing benefits if working too much. ❑ Don't want to work ❑ Other: _____

Services and Assistance	
29. Are you currently receiving (or have you received in the last year) any of the following forms of income or benefits? (Select all that apply):	❑ Full time earned income/paycheck ❑ Part time earned income/paycheck ❑General Assistance (GA) ❑ CalWORKs/TANF ❑ Food Stamps/SNAP/WIC/CalFresh ❑ Social Security ❑SSI/SSDI/Disability ❑ Medi-Cal/Medicare ❑ Child support ❑ Pension/retirement ❑ Any VA Disability Compensation ❑ Other Veterans benefits (GI, Health) ❑ Not receiving any type of income or benefits currently/in last year ❑ Don't know/Not sure if I received any income or benefits
30. In the past 12 months, have you visited a doctor or other medical professional?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer

31. What barriers, if any, prevent you from using shelter services? (Select all that apply)	❑ Bugs ❑ Can't stay with my friends ❑ Can't stay with my partner/family ❑ Concerns for personal safety ❑ Curfews ❑ Don't accept my gender or sexual orientation ❑ Don't accept my pet ❑ Far away ❑ Germs/dirty ❑ They are full ❑ Too crowded ❑ Nowhere to store my stuff ❑ Too many rules ❑ Hours of operation ❑ Not enough staff ❑ Lack of privacy ❑ Don't know what shelter services are available ❑ Racially unwelcome ❑ Can't use alcohol/drugs
32. Have you had interactions with the criminal justice system in the past year including probation, parole, court appearances, arrests, tickets, etc.?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
33. Notes	**Text box**

Youth Addendum

*** This section will only appear if the client's age range is listed as 24 years old or younger and is NOT part of a household with an adult guardian present. ***

1. In the past 30 days, were you living in any of the following situations? (Select all that apply)	❑ On couch or other extra space in the home of a friend, family member, teacher, or other non-relation ❑ In a house, apartment, or room that you could be asked to leave without notice ❑ In a house you have to pay for with food stamps, sex, drug trafficking/sales, criminal activity, or other non-cash resources.
a. If safe and comfortable, please specify why	**Text Box**
2. + Last grade completed	❑ Less than Grade 5 ❑ Grades 5-6 ❑ Grades 7-8 ❑ Grades 9-11 ❑ Grade 12/High school diploma ❑ Obtained HiSET/GED ❑ Some college ❑ Vocational Certification ❑ Associate's degree ❑ Bachelor's degree ❑ Graduate degree ❑ Person Doesn't Know ❑ Person prefers not to answer
3. + Are you currently enrolled in school?	❑ Yes, and attend regularly ❑ Yes, and attend irregularly ❑ Yes, suspended ❑ No, expelled ❑ No, dropped out in the last 6 months ❑ No, dropped out 6+ months ago ❑ N/A, obtained HiSET/GED ❑ N/A, graduated high school
4. In the past year, in what ways did you make money? (Select all that apply)	❑ Full-time job ❑ Part-time job (including on-call/irregular hours) ❑ Government program (disability, welfare, food stamps, unemployment, etc.) ❑ Money from friends/family ❑ Sex work ❑ Hustling ❑ Panhandling/holding a sign ❑ Selling weed ❑ Selling other drugs ❑ Working under the table ❑ Other: ____
5. + Have you ever been in foster care/DCF custody?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. + If yes, Number of years?	❑ Less than one year ❑ 1 to 2 years ❑ 3 to 5 years
6. + Have you ever been in juvenile detention, prison, or jail?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer
a. + If yes, Number of years?	❑ Less than one year ❑ 1 to 2 years ❑ 3 to 5 years
b. If yes, Are you currently on Parole or Probation?	❑ Yes ❑ No ❑ Person Doesn't Know ❑ Person prefers not to answer

APPENDIX D: Interactive Dashboards for Further Analysis

https://everyonehome.org/main/continuum-of-care/point-in-time-count-2024/

APPENDIX E: Jurisdiction Leadership & Volunteer Training Resources

Materials shared with Jurisdiction Leads are available on the Jurisdiction Lead web page for Alameda County: https://pointintime.info/volunteer/alameda-county-jurisdictional-leads/

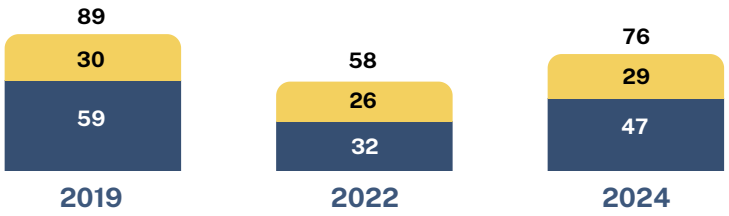
Materials shared with volunteers are available on the Volunteer web page for Alameda County: https://pointintime.info/volunteer/alameda-county-point-in-time/

CITY OF NEWARK

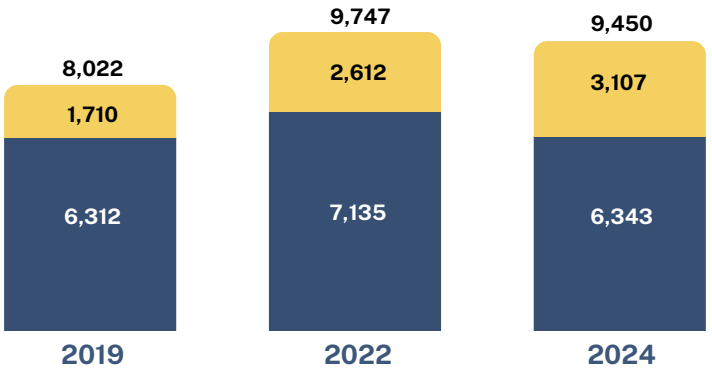
HOMELESS CENSUS & SURVEY 2024 EXECUTIVE SUMMARY

Every 2 years, communities conduct counts of people experiencing both sheltered and unsheltered homelessness. The 2024 Alameda County Point-in-Time (PIT) Count was a community-wide effort conducted on January 25, 2024. The snapshot below includes people enrolled in shelter projects in Newark on the night of January 24th and those interviewed or observed as experiencing unsheltered homelessness in the early morning hours of 1/25/24.

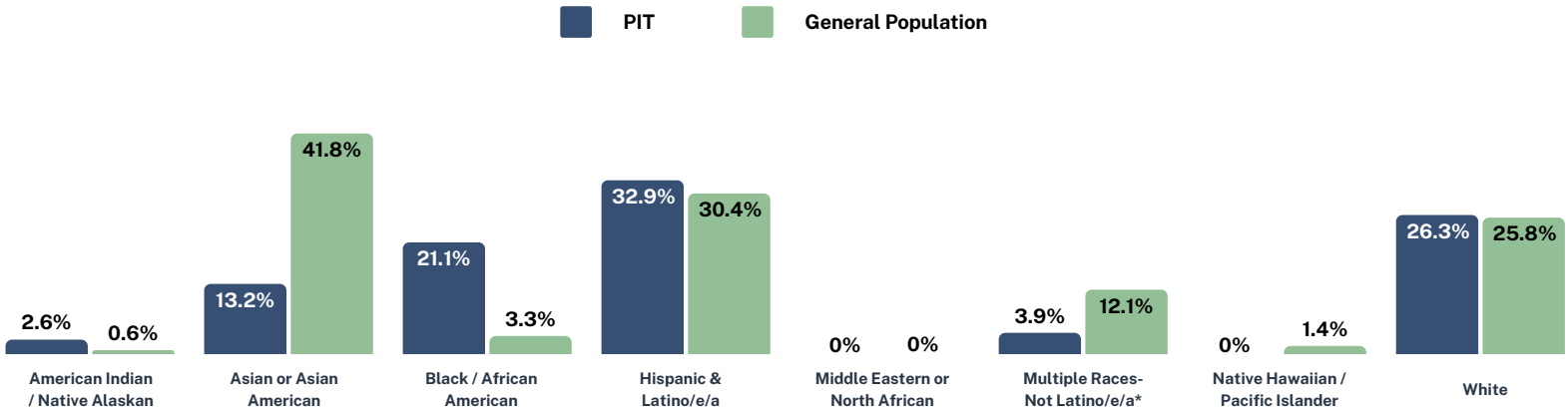
CITY OF NEWARK



ALAMEDA COUNTY

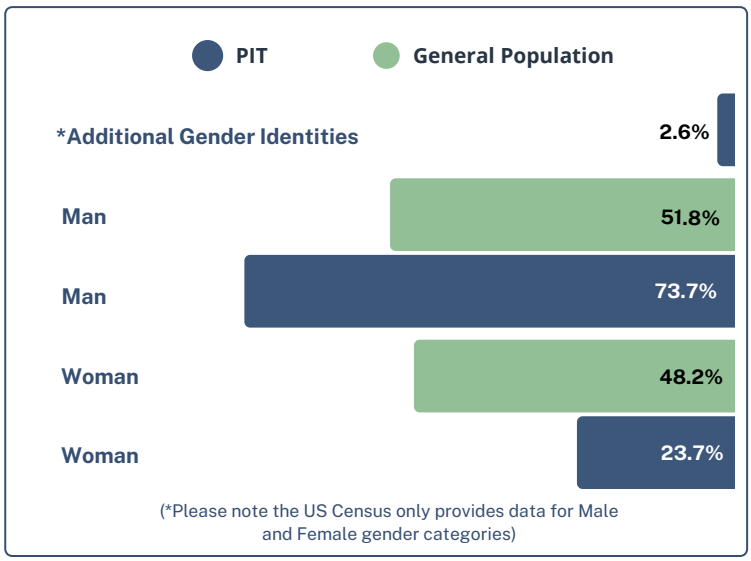


RACE IDENTITIES COMPARED TO GENERAL POPULATION



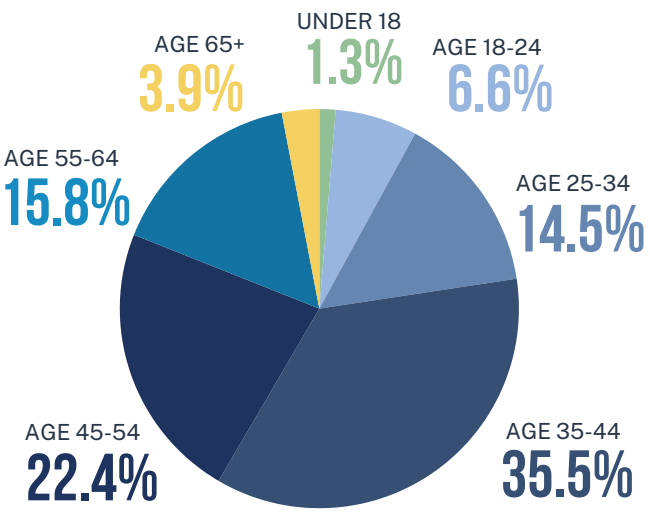
*Census data does not currently differentiate between Hispanic/Latino/a/e status for Multiple Races

GENDER IDENTITIES



(*Please note the US Census only provides data for Male and Female gender categories)

AGE RANGES



NEWARK
california

HUMAN SERVICES

OKUA ਮਦਦ ਕਰੋ TOKONI MA
HJÆLP 돕다
HELP
BĀNGZHÙ
मदद 幫助 AYUDA
TULONG

NEED ASSISTANCE?
¿NECESITA AYUDA?

SCAN ME

newarkca.gov/help

humanservices@newarkca.gov

HOW TO GET HELP:

CÓMO OBTENER AYUDA

CALL 211 or **TEXT 898211**
WWW.211ALAMEDACOUNTY.ORG

Llame, envíe un mensaje de texto o visite el sitio web para obtener información

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988 SUICIDE & CRISIS LIFELINE

If you or someone you know needs support, **CALL** or **TEXT 988** or **CHAT @ 988lifeline.org**

Si tú o alguien que conoces necesita apoyo, llama al 988 (servicio en español) o envía un texto al 988 o chat vía 988lifeline.org

STAFF REPORT

Item H. 1.

DATE	07/24/2025
TO	Honorable Mayor and City Council Members
FROM	Sheila Harrington, City Clerk
SUBJECT	Discussion and direction regarding June 26, 2025 meeting minutes and approval of same

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Council Member Grindall removed the June 26, 2025 meeting minutes (Attachment A) from the Consent Calendar at the July 10, 2025 City Council meeting. Council Member Grindall indicated that he would like to continue the item to add further details in the minutes related to the City Council Matters section, where he requested that the City Council consider adding a discussion related to the Area 3 school site to a future City Council agenda.

The City Clerk has historically prepared action minutes for City Council meetings. Action minutes record the final decisions made by the City Council. Comments made by individual council members are generally limited to directions/suggestions given or announcements made under City Council Matters. Additional details as to what occurred during Council meetings are accessible as all Council meetings are recorded.

Staff recommends that the City Council provide direction as to additional details, if any, that the Council would like to see added to the June 26, 2025 meeting minutes. Staff reviewed the meeting video and prepared a transcript of the portion of the meeting where Council Member Grindall sought additional detail (Attachment B). After the City Council has provided guidance on the minutes, staff is seeking a motion for approval.

Attachments

Attachment A -- DRAFT June 26 minutes

Attachment B -- Transcript

CITY OF NEWARK
CITY COUNCIL
City Administration Building, City Council Chambers

37101 Newark Boulevard, Newark, CA 94560 | (510) 578-4266 | E-mail: city.clerk@newark.org

Draft

Thursday, June 26, 2025
7:00 P.M.

A. ROLL CALL

Mayor Hannon called the meeting to order at 7:00 p.m. Council Members Jorgens, Grindall, and Catancio were present. Vice Mayor Little was noted absent.

B. PRESENTATIONS

1. Introduction of employee(s)

Mayor Hannon introduced Management Analyst Henderson and Dispatcher Lopez.

C. PUBLIC COMMENT

No one from the public requested to speak.

D. CONSENT CALENDAR

Council Member Jorgens moved, Council Member Catancio seconded, to approve Consent Calendar items D.1 to D.4 and that reading of the titles suffice for adoption. Council Member Grindall abstained from voting on the June 12, 2025, minutes. The motion passed, 4 AYES, 1 ABSENT.

1. Approval of Audited Demands

2. Approval of June 5 and June 12, 2025, minutes

3. Adopt a resolution authorizing the City Manager to execute a purchase order with Dell Marketing, L.P. (Dell) in an amount not to exceed $475,785 for the renewal of licenses and software assurance and subscription services for three years
Resolution No. 11752

4. Adopt a resolution accepting work with G. Bortolotto & Company, Inc. for the Fiscal Year 2024 Asphalt Concrete Street Overlay Program, Project 1344
Resolution No. 11753

E. PUBLIC HEARINGS

1. Hold a public hearing and adopt a resolution approving the Final Engineer's Report, confirming formation of Landscaping and Lighting District No. 20 and authorizing the levy and collection of assessments for Fiscal Year 2025-26
Resolution No. 11754

Senior Civil Engineer Deshmukh gave the staff report recommending approval of the formation of the Landscaping and Lighting District No. 20, if the ballot was affirmative.

At 7:14 p.m. Mayor Hannon opened the public hearing.

No one requested to speak.

Mayor Hannon closed the public hearing at 7:15 p.m.

City Clerk Harrington opened the ballot and announced the vote in favor of the formation of Landscaping and Lighting District No. 20.

Moved by Council Member Jorgens, seconded by Council Member Grindall to adopt the resolution approving the Final Engineer's Report, confirming formation of Landscaping and Lighting District No. 20 and authorizing the levy and collection of assessments for Fiscal Year 2025-26. The motion passed 4 AYES, 1 ABSENT.

2. Public Hearing for Landscaping and Lighting District Nos. 1, 2, 4, 7, 11, 15, 16, 17, 18 and 19 and adopt a resolution confirming diagrams and assessments and the levying and collection of assessments for Landscaping and Lighting

District Nos. 1, 2, 4, 7, 11, 15, 16, 17, 18, and 19 for Fiscal Year 2025-26
Resolution No. 11755

City Manager Benoun stated that he and Council Member Catancio have received formal advice from the Fair Political Practices Commission that they no longer need to recuse due to their individual property ownership in Landscaping and Lighting District No. 11.

Public Works Director Young gave the staff report recommending approval.

At 7:21 pm Mayor Hannon opened the public hearing.

No one requested to speak.

Mayor Hannon closed the public hearing at 7:22 p.m.

Mayor Hannon requested pictures in the staff report next year.

Moved by Council Member Grindall, seconded by Council Member Catancio to adopt the resolution confirming diagrams and assessments and the levying and collection of assessments for Landscaping and Lighting Districts Nos. 1, 2, 4, 7, 11, 15, 16, 17, 18, and 19 for Fiscal Year 2025-26. The motion passed 4 AYES, 1 ABSENT.

3. Public Hearing Pursuant to Government Code Section 3502.3 Requirements for Reporting on City of Newark Vacancy Rates and Recruitment and Retention Efforts

Human Resources Director Frye gave the presentation. Presentation on file with City Clerk.

At 7:32 p.m. Mayor Hannon opened the public hearing.

No one requested to speak.

Mayor Hannon closed the public hearing at 7:33 p.m.

Mayor Hannon requested that staff add average number of days to fill positions and the number of police officer applications received in the next presentation.

This item was informational only.

F. OTHER BUSINESS

1. Presentation on the City's draft Climate Action Plan update titled "Climate Action Newark" (CAN)

Environmental Services Manager Scanlin gave the presentation. Presentation on file with City Clerk.

No one from the public requested to speak.

In response to Council Member Jorgens request for a timeline on the Urban Forest and Active Transportation Plans, staff anticipated the Urban Forest Plan would go to the City Council in the fall and would update the status of the Active Transportation Plan through the City Manager.

Council Member Jorgens stated that the plans need to be considered holistically and that bike lock facilities were needed at shopping centers.

Council Member Grindall stated that he would like more transit shelters and solar power generation at city buildings.

Hannah Kornfeld responded to the Mayor’s questions regarding greenhouse gas emission measurements.

Mayor Hannon requested greenhouse gas reduction information in staff reports where applicable and a periodic update on the Climate Action Plan.

This item was informational only.

2. Adopt a resolution designating the Measure GG Oversight Committee to review the expenditures of revenue from the Transient Occupancy Tax pursuant to Ordinance No. 553 and approving the Mayor’s appointments to the Measure GG Oversight Committee
Resolution No. 11756

Finance Director Lee gave the staff report recommending approval.

No one requested to speak.

Council Member Jorgens suggested changing the name of the committee to reflect both tax measures.

Mayor Hannon announced his appointments of Taryn Singh, Vinod Kumar, and Daniel Cardenas.

Taryn Singh and Vinod Kumar each thanked the City Council for the appointment to the committee.

Moved by Council Member Grindall, seconded by Council Member Jorgens to adopt the resolution designating the Measure GG Oversight Committee to review the expenditures of revenue from the Transient Occupancy Tax pursuant to Ordinance No. 553 and approving the Mayor's appointments to the Measure GG Oversight Committee. The motion passed 4 AYES, 1 ABSENT.

3. Adopt resolutions approving: 1) The Memorandum of Understanding with the Newark Association of Miscellaneous Employees; 2) The Memorandum of Understanding with the Newark Police Association; 3) The Compensation and Benefit Plan for the Confidential Employee Group; 4) The Compensation and Benefit Plan for the Management, Supervisory, and Professional Employee Group; and 5) An amendment to the City's salary schedule in conformance with California Code of Regulations, Title 2, Section 570.5
Resolution Nos 11757 to 11760

City Attorney Kokotaylo gave the staff report recommending approval. He noted that a memo was provided to the City Council before the meeting to correct typographical and calculation errors to four positions on the salary schedule.

No one from the public requested to speak.

Moved by Council Member Jorgens, seconded by Council Member Grindall to adopt the resolutions approving: 1) The Memorandum of Understanding with the Newark Association of Miscellaneous Employees; 2) The Memorandum of Understanding with the Newark Police Association; 3) The Compensation and

Benefit Plan for the Confidential Employee Group; 4) The Compensation and Benefit Plan for the Management, Supervisory, and Professional Employee Group and 5) An amendment to the City's salary schedule in conformance with California Code of Regulations, Title 2, Section 570.5 with the revisions in the memorandum provided to the City Council before the meeting. The motion passed 4 AYES, 1 ABSENT.

G. CITY MANAGER UPDATES

City Manager Benoun announced: the Community Development Advisory Committee application deadline of July 8, 2025, by 2 p.m.; Alameda County Fire Department Fourth of July pancake breakfast fundraiser at Fire Station 27; Summer Sports Camp will be held from July 7 to 11, 2025; Groovin's at the Grove Summer Concert will be held on June 27, 2025, at the Shirley Sisk Grove.

H. CITY COUNCIL MATTERS

Council Member Catancio congratulated the Measure GG appointees, she complimented the Juneteenth celebration, she attended the AVA Community Energy meeting, and encouraged the purchase of Safe and Sane fireworks to support local nonprofits.

Council Member Jorgens stated that he hoped the community would stay safe during the July 4th holiday. He suggested residents reflect on ways to help improve our community during the holiday.

Council Member Grindall stated his next Coffee with a Council Member would be held at the Old Town Starbucks on June 29, 2025.

Council Member Grindall stated that the City negotiated a school site as part of the Sanctuary development and he would like a discussion at the next council meeting. Mayor Hannon stated that the Newark Unified School District Board of Education has not indicated that they want to build a school at that location and was not in support of placing this on the Council agenda. Council Member Grindall made a motion to place the item on the next agenda. The motion died for a lack of a second.

Council Member Grindall stated that the Mariachi Festival was coming up.

Mayor Hannon stated that July 4th was a good reminder that Newark is a welcoming community and he thanked staff for keeping the community safe on the holiday. He commended Council Member Catancio for attending the Juneteenth celebration. He stated Big Truck Day was a success and he wished his wife a happy anniversary.

I. CLOSED SESSION

1. Closed session for conference with Labor Negotiators pursuant to California Government Code Section 54957.6.
Agency designated representatives: Assistant City Manager Hovorka and Human Resources Director Frye
Employee Organization: The Newark Police Management Association

No one from the public requested to speak.

At 8:41 p.m., the City Council recessed into a Closed Session.

At 8:49 p.m., the City Council convened in Closed Session

At 9:14 p.m. the City Council reconvened in open session.

J. ADJOURNMENT

Mayor Hannon adjourned the meeting at 9:15 p.m.

June 26, 2025 Minutes Excerpt

Council Member Grindall stated that the City negotiated a school site as part of the Sanctuary development and he would like a discussion at the next council meeting. Mayor Hannon stated that the Newark Unified School District Board of Education has not indicated that they want to build a school at that location and was not in support of placing this on the Council agenda. Council Member Grindall made a motion to place the item on the next agenda. The motion died for a lack of a second.

Transcript

Council Member Grindall stated that the City negotiated a school site as a part of the Sanctuary Development. The clock is running out on that development and it would otherwise return to the developer. Serious, dire consequences could occur to the community if that were the case. This wasn't agendized so I cannot go into great detail. I would like to see a transparent, open discussion at the next council meeting where we talk about the opportunities and constraints and concerns about that location and what the City can do. I look for support from my colleagues to have a transparent and open public discussion of what the issues are and what the City might be able to do to ameliorate the issues. I do have a couple of other comments. Let me know if it is okay at this point.

Mayor Hannon stated I don't know where the Brown Act draws the line on conversations like this item. I will look to the city attorney to give me some advice on this. At this point, I think Council Member Grindall is simply asking the Council to agendize an item. That seems to be the issue that we are limited to discussing. I will speak to that item. I am not willing to ask the Council to agendize this item. The reason I am not willing to ask the council to do that is because the development agreement City Attorney, please stop me if I am going further than I should.

City Attorney Kokotaylo stated I think if the discussion is whether to agendize it or not and you are just seeking to, brief comments as to why you do or don't want to, as well as the rest of the Council, that is fine.

Mayor Hannon stated thank you. I am going to limit my comment to that. The reason I would not support and I would ask my council not to support agendizing this item, it's really not a city of Newark item, its not a city of Newark issue that we can involve ourselves. The development agreement was specific in terms of advising the Newark Unified School District that if they wanted to have a school built at Sanctuary, there was land available for them to do that. The agreement, which is a contract, was real specific that they had seven years to begin construction of that school site. That date is going to run out in August of this year. We, the City, have been waiting patiently for seven years, encouraging the School District to come forth with a plan to build a school site at that location. They have indicated that they are not currently interested in building a school at that location. So any request by us to the developer to extend it would really fall on deaf ears. We really have no, no real interest in this item that we can put any pressure on them to do so. That would be my comment. I would ask the council not to consider Council Member Grindall's request.

Mayor Hannon stated any other comments? Or is there a motion to put this item on the July 24th agenda, if we were to agendize this?

Council Member Grindall stated I would make that motion.

Mayor Hannon stated is there a second? No second, that item dies on the motion.