AGREEMENT NO. _____
(Short-Form Agreement)

THIS AGREEMENT is made this _____ day of April, 2022, by and between the County of Yolo ("COUNTY"), and Stearns, Conrad and Schmidt, Consulting Engineers, Inc., dba SCS Field Services, a Virginia Corporation ("CONTRACTOR"), who agree as follows:

TERMS

1. CONTRACTOR shall perform the following services: Provide landfill gas system monitoring, operations, maintenance, design and construction quality assurance services at the Yolo County Central Landfill (YCCL) per the scope of work, as outlined in Exhibit B - Request for Proposals For Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation at the Yolo County Central Landfill. The two main tasks are 1) Monthly Operations, Maintenance, and Monitoring of the landfill gas system and 2) on-call services related to landfill gas system design, construction, quality assurance, permitting, and major maintenance.

2. CONTRACTOR shall perform said services between May 1, 2022 and April 30, 2025. The agreement may be extended by mutual consent for two additional twelve (12) month periods, as described in Exhibit B - Request for Proposals For Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation at the Yolo County Central Landfill.

3. The complete Agreement shall include the following Exhibits attached hereto and incorporated herein: Exhibit A: Insurance Requirements, Exhibit B – Request for Proposals For Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation at the Yolo County Central Landfill, Exhibit C - SCS Engineers Proposal Response to the County of Yolo RFP for Landfill Gas Systems (LFGS); Design, Construction Quality Assurance (CQA), Monitoring, Maintenance and Operation (OM&M) at the Yolo County Central Landfill (in part), Exhibit D – Work Proposal Form (collectively "Contract Documents"). In the event of any conflict between any of the provisions of this Agreement and the Contract Documents, the provision that requires the highest level of performance from CONTRACTOR for the COUNTY'S benefit shall prevail.

4. Subject to CONTRACTOR'S satisfactory and complete performance of the services described in this Agreement, and subject to the condition that the services have been completed in a manner satisfactory to the COUNTY, Contractor shall be compensated at the rates and fee schedules identified in Exhibit C hereto; provided, however, that COUNTY shall pay CONTRACTOR no more than a total amount of $199,000.00 per fiscal year for the services rendered by CONTRACTOR under this Agreement, including supplies, transportation, printing, and other related or reimbursable expenses, for a total compensation not to exceed $597,000.00 to paid to CONTRACTOR during the term of this Agreement. In the determination of hourly fees, time allotments shall be calculated to one-tenth of an hour.

5. CONTRACTOR, at its sole cost and expense, shall obtain and maintain throughout the entire term of this Agreement, the insurance set forth in Exhibit A attached hereto.

6. Indemnity.
    a. To the fullest extent allowed by law, CONTRACTOR shall defend, indemnify, and hold harmless the COUNTY, its officers, officials, employees, and agents from any and all claims, demands, liability, damages, cost or expenses (including but not limited to attorney

fees) in law or equity that may at any time arise or be asserted based in whole or in part upon any negligent or other wrongful act or omission of the CONTRACTOR, it's officers, agents, or employees. CONTRACTOR/SUBCONTRACTOR responsibility for such defense and indemnity obligations shall survive the termination or completion of this agreement for the full period of time allowed by law.

b. If CONTRACTOR'S obligation to defend, indemnify, and/or hold harmless arises out of CONTRACTOR'S performance of "design professional" services (as that term is defined under Civil Code section 2782.8), then, and only to the extent required by Civil Code section 2782.8, which is fully incorporated herein, CONTRACTOR'S indemnification obligation shall be limited to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the CONTRACTOR, and, upon CONTRACTOR obtaining a final adjudication by a court of competent jurisdiction, CONTRACTOR'S liability for such claim, including the cost to defend, shall not exceed the CONTRACTOR'S proportionate percentage of fault.
c. The defense and indemnification obligations of this agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this agreement.

7. Any SUBCONTRACTOR agrees to be bound to CONTRACTOR and COUNTY in the same manner and to the same extent as CONTRACTOR is bound to COUNTY under the Contract Documents. SUBCONTRACTOR further agrees to include the same requirements and provisions of this agreement, including the indemnity and Insurance requirements, with any SUB-SUBCONTRACTOR to the extent they apply to the scope of the SUB- SUBCONTRACTOR′s work. A copy of the COUNTY′s Contract Document Indemnity and Insurance provisions will be furnished to the SUBCONTRACTOR upon request.

8. CONTRACTOR shall comply with all applicable laws and regulations, including but not limited to any, which are promulgated to protect the public health, welfare and safety or prevent conflicts of interest. CONTRACTOR shall defend COUNTY and reimburse it for any fines, damages, or costs (including attorney fees) that might be incurred or assessed based upon a claim or determination that CONTRACTOR has violated any applicable law or regulation.

9. This Agreement is subject to the COUNTY, the State of California and the United States appropriating and approving sufficient funds for the activities required of the CONTRACTOR pursuant to this Agreement. If the COUNTY'S adopted budget and/or its receipts from California and the United States do not contain sufficient funds for this Agreement, the COUNTY may terminate this Agreement by giving ten (10) days advance written notice thereof to the CONTRACTOR, in which even the COUNTY shall have no obligation to pay the Contractor any further funds or provide other consideration and the CONTRACTOR shall have no obligation to provide any further services under this Agreement.

10. If CONTRACTOR fails to perform any part of this Agreement, the COUNTY may notify the CONTRACTOR of the default and CONTRACTOR shall remedy the default. If CONTRACTOR fails to do so, then, in addition to any other remedy that COUNTY may have, COUNTY may terminate this Agreement and withhold any or all payments otherwise owed to CONTRACTOR pursuant to this Agreement.

11. Attached are licenses &/or certificates required by CONTRACTOR′s profession (Indicating type; No.; State; & Expiration date), and CONTRACTOR certifies that he/she/it shall maintain them throughout this Agreement, and that CONTRACTOR′s performance will meet the standards of licensure/certification.

12. CONTRACTOR understands that it and its employees and contractors are not an employee of the COUNTY and are not eligible for any employee benefits, including but not limited to unemployment, health/dental insurance, worker′s compensation, vacation, or sick leave.

13. CONTRACTOR will hold in confidence all information disclosed to or obtained by CONTRACTOR which relates to activities under this Agreement and/or to the COUNTY′s plans or activities. All documents and information developed under this Agreement and all work products, reports, and related data and materials shall become the property of the COUNTY. CONTRACTOR shall deliver all of the foregoing to the COUNTY upon completion of the services hereunder, or upon earlier termination of this Agreement. In addition, CONTRACTOR shall retain all of its own records regarding this Agreement and the services provided hereunder for a period of not less than four (4) years, and shall make them available to COUNTY for audit and discovery purposes.

14. Prevailing Wage and California Labor Code Requirements.

a. CONTRACTOR is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq., which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects ("Prevailing Wage Laws"). If the services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the total compensation is $1,000 or more, CONTRACTOR agrees to fully comply with such Prevailing Wage Laws. CONTRACTOR shall defend, indemnify and hold the COUNTY, its officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. It shall be mandatory upon the CONTRACTOR and all SUBCONTRACTORS to comply with all California Labor Code provisions, which include but are not limited to prevailing wages (Labor Code Sections 1771, 1774 and 1775), employment of apprentices (Labor Code Section 1777.5), certified payroll records (Labor Code Sections 1771.4 and 1776), hours of labor (Labor Code Sections 1813 and 1815) and debarment of contractors and subcontractors (Labor Code Section 1777.1). The requirement to submit certified payroll records directly to the Labor Commissioner under Labor Code section 1771.4 shall not apply to work performed on a public works project that is exempt pursuant to the small project exemption specified in Labor Code Section 1771.4.

b. If the services are being performed as part of an applicable "public works" or "maintenance" project, then pursuant to Labor Code Sections 1725.5 and 1771.1, the CONTRACTOR and all SUBCONTRACTORS performing such services must be registered with the Department of Industrial Relations. CONTRACTOR shall maintain registration for the duration of this Agreement and require the same of any SUBCONTRACTORS, as applicable. This Agreement may also be subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be CONTRACTOR'S sole responsibility to comply with all applicable registration and labor compliance requirements. Notwithstanding the foregoing, the contractor registration requirements mandated by Labor Code Sections 1725.5 and 1771.1 shall not apply to work performed on a public works project that is

exempt pursuant to the small project exemption specified in Labor Code Sections 1725.5 and 1771.1.

c. This Agreement may also be subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be CONTRACTOR'S sole responsibility to comply with all applicable registration and labor compliance requirements. Any stop orders issued by the Department of Industrial Relations against CONTRACTOR or any subcontractor that affect CONTRACTOR'S performance of services, including any delay, shall be CONTRACTOR'S sole responsibility. Any delay arising out of or resulting from such stop orders shall be considered CONTRACTOR caused delay and shall not be compensable by the COUNTY. CONTRACTOR shall defend, indemnify and hold the COUNTY, its officials, officers, employees and agents free and harmless from any claim or liability arising out of stop orders issued by the Department of Industrial Relations against CONTRACTOR or any SUBCONTRACTOR.

15. This Agreement constitutes the entire agreement of the parties, and no other agreements or representations, oral or written, have been made or relied upon by either party. This Agreement may only be amended in writing signed by both parties, and any other purported amendment shall be of no force or effect. This Agreement, including all attachments, shall be subject to disclosure pursuant to the California Public Records Act.

16. This Agreement shall be deemed to be executed within the State of California and construed in accordance with and governed by laws of the State of California. Any action or proceeding arising out of this Agreement shall be filed and resolved in a California State court located in Woodland, California.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first written above by affixing their signatures hereafter.

CONTRACTOR:

Contractor Signature

Anton Svorinich

Printed Name

Vice President SCS Engineers

Printed Name

4730 Enterprise Way Ste. A

Street Address/PO Box

Modesto, CA, 95356

City/State/Zipcode

COUNTY OF YOLO

Angel Barajas, Chair
Board of Supervisors

Attest:

Julie Dachtler, Clerk
Board of Supervisors

Approved as to Form

Kimberly Hood, Asst. County Counsel

204-545-8490

Phone Number

CERTIFICATION: I hereby certify under the penalty of perjury that all statements made in or incorporated into this Agreement are true and complete to the best of my knowledge. I understand and agree that the COUNTY may, in its sole discretion, terminate this Agreement if any such statements are false, incomplete, or incorrect.

Curtis Brimer

Contractor Signature

Vice President
SCS Engineers

EXHIBIT A

SERVICE CONTRACT INSURANCE REQUIREMENTS

A. During the term of this Agreement, Contractor shall at all times maintain, at its expense, the following coverages and requirements. The comprehensive general liability insurance shall include broad form property damage insurance.

1. Minimum Coverages (as applicable) - Insurance coverage shall be with limits not less than the following:

   a. **Comprehensive General Liability** – $1,000,000/occurrence and $2,000,000/aggregate
   b. **Automobile Liability** – $1,000,000/occurrence (general) and $500,000/occurrence (property) [include coverage for Hired and Non-owned vehicles.]
   c. **Professional Liability/Malpractice/Errors and Omissions** – $1,000,000/occurrence and $2,000,000/aggregate (If any engineer, architect, attorney, accountant, medical professional, psychologist, or other licensed professional performs work under a contract, the contractor must provide this insurance. If not, then this requirement automatically does not apply.)
   d. **Workers' Compensation** – Statutory Limits/**Employers' Liability** - $1,000,000/accident for bodily injury or disease (If no employees, this requirement automatically does not apply.)

2. The County, its officers, agents, employees and volunteers shall be named as additional insured on all but the workers' compensation and professional liability coverages. . **[NOTE: Evidence of additional insured may be needed as a separate endorsement due to wording on the certificate negating any additional writing in the description box.]** It shall be a requirement under this agreement that any available insurance proceeds broader than or in excess of the specified minimum Insurance coverage requirements and/or limits shall be available to the Additional Insured. Furthermore, the requirements for coverage and limits shall be (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any Insurance policy or proceeds available to the named Insured; whichever is greater.

   a. The Additional Insured coverage under the Contractor's policy shall be "primary and non-contributory" and will not seek contribution from the County's insurance or self insurance and shall be at least as broad as CG 20 01 04 13.

   b. The limits of Insurance required in this agreement may be satisfied by a combination of primary and umbrella or excess Insurance. Any umbrella or

excess Insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non contributory basis for the benefit of the County of Yolo (if agreed to in a written contract or agreement) before the County's own Insurance or self insurance shall be called upon to protect it as a named insured.

3. Said policies shall remain in force through the life of this Agreement and, with the exception of professional liability coverage, shall be payable on a "per occurrence" basis unless the County Risk Manager specifically consents in writing to a "claims made" basis. For all "claims made" coverage, in the event that the Contractor changes insurance carriers Contractor shall purchase "tail" coverage covering the term of this Agreement and not less than three years thereafter. Proof of such "tail" coverage shall be required at any time that the Contractor changes to a new carrier prior to receipt of any payments due.

4. The Contractor shall declare all aggregate limits on the coverage before commencing performance of this Agreement, and the County's Risk Manager reserves the right to require higher aggregate limits to ensure that the coverage limits required for this Agreement as set forth above are available throughout the performance of this Agreement.

5. Any deductibles or self-insured retentions must be declared to and are subject to the approval of the County Risk Manager. All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied either by the named Insured or Yolo County.

6. Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the Director (ten (10) days for delinquent insurance premium payments).

7. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise approved by the County Risk Manager.

8. The policies shall cover all activities of Contractor, its officers, employees, agents and volunteers arising out of or in connection with this Agreement.

9. For any claims relating to this Agreement, the Contractor's insurance coverage shall be primary, including as respects the County, its officers, agents, employees and volunteers. Any insurance maintained by the County shall apply in excess of, and not contribute with, insurance provided by Contractor's liability insurance policy.

10. The insurer shall waive all rights of subrogation against the County, its officers, employees, agents and volunteers.

B. Prior to commencing services pursuant to this Agreement, Contractor shall furnish the County with original endorsements reflecting coverage required by this Agreement. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received by, and are subject to the approval of, the County Risk Manager before work commences. Upon County's request, Contractor shall provide complete, certified copies of all required insurance policies, including endorsements reflecting the coverage required by these specifications.

C. During the term of this Agreement, Contractor shall furnish the County with original endorsements reflecting renewals, changes in insurance companies and any other documents reflecting the maintenance of the required coverage throughout the entire term of this Agreement. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. Upon County's request, Contractor shall provide complete, certified copies of all required insurance policies, including endorsements reflecting the coverage required by these specifications. Yolo County reserves the right to obtain a full certified copy of any Insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later.

D. Contractor agrees to include with all Subcontractors in their subcontract the same requirements and provisions of this agreement including the indemnity and Insurance requirements to the extent they apply to the scope of the Subcontractor's work. Subcontractors hired by Contractor agree to be bound to Contractor and the County of Yolo in the same manner and to the same extent as Contractor is bound to the County of Yolo under the Contract Documents. Subcontractor further agrees to include these same provisions with any Sub-subcontractor. A copy of the Owner Contract Document Indemnity and Insurance provisions will be furnished to the Subcontractor upon request. The General Contractor/**and or Contractor** shall require all Subcontractors to provide a valid certificate of insurance and the required endorsements included in the agreement prior to commencement of any work and General Contractor/**and or Contractor** will provide proof of compliance to the County of Yolo.

E. Contractor shall maintain insurance as required by this contract to the fullest amount allowed by law and shall maintain insurance for a minimum of five years following the completion of this project. In the event Contractor fails to obtain or maintain completed operations coverage as required by this agreement, the County at its sole discretion may purchase the coverage required and the cost will be paid by Contractor.

COUNTY OF YOLO

Purchasing Division of General Services

Notice of Request for Proposal (RFP)
For
Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation
at the Yolo County Central Landfill

Proposal Responses Due:
4:00 pm
February 24, 2022

Yolo County Department of Community Services
Integrated Waste Management Division
44090 County Road 28H
Woodland, CA 95776

RFP Coordinator:
Karen Kawelmacher
(530) 666-8073
Karen.Kawelmacher@yolocounty.org

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SECTION I. INTRODUCTION

A. STATEMENT OF PURPOSE:

The Department of Community Services of the County of Yolo is seeking proposals from prospective consultants or contractors to provide landfill gas system monitoring, operations, maintenance, design and construction quality assurance services at the Yolo County Central Landfill (YCCL) per the scope of work, as outlined in this Request for Proposal (RFP). The two main tasks are 1) Monthly Operations, Maintenance, and Monitoring of the landfill gas system and 2) on-call services related to landfill gas system design, construction, quality assurance, permitting, and major maintenance.

Proposers who submit a response to this RFP must have the ability to meet the requirements, including the terms and conditions contained in this RFP.

B. SYNONYMOUS TERMS

As used throughout this proposal and its attachments, the following terms are synonymous:

1. a. Supplier, Vendor, Consultant, Contractor
   b. Purchase Order, Contract, Agreement
   c. Services, Work, Scope, and Project
   d. Bidder, Offeror, Proposer
   e. County, Department, Owner

2. "The County" refers to the County of Yolo, California.

3. "The Department" or "Department" refers to the Department of Community Services, Integrated Waste Management Division of the County of Yolo, California.

C. SCOPE OF WORK

1. GENERAL DESCRIPTION:

The Yolo County Department of Community Services, Integrated Waste Management Division (Department) is responsible for design, construction, operation, and maintenance of the Yolo County Central Landfill (YCCL), which is located at 44090 County Road 28H, between Woodland and Davis, California. The Department has the need to retain supportive professional services for engineering design and construction quality assurance.

Contractor shall perform the following tasks on a routine or as-needed basis (depending on task). Task 1 is a routine monthly reoccurring task, and Task 2 is an as-needed task. Assignment of work for Task 2 will be made by soliciting informal proposals from the Contractor(s). Prior to performing work under any of the Task 2 subtasks, Contractor shall prepare work proposal and associated cost estimate in accordance with Attachment 4 and Contractors provided Exhibit C for County review and approval.

2. TECHNICAL SPECIFICATIONS:

The selected contractor(s) will provide the services as set forth below. Firms are invited to propose on these tasks, and joint proposals through a prime and subcontractor are allowed.

Site Specific Information

YCCL is a Class III municipal solid waste landfill with several Class II liquid surface impoundments. The landfill operates under Yolo Solano Air Quality Management District Permit to Operate No. P-15-05(a) which is included as Attachment 2.

YCCL has 5 waste management units for solid waste that have undergone final closure (geomembrane impermeable cover, vegetative layer, optimized landfill gas collection system) covering 123.5 acres and 5 WMUs that are still open and active covering 104 acres. A new WMU is under construction and is

expected to be operating in late 2022 and have landfill gas collection starting in late 2023. Of the active WMUs, 4 are near final grade and have limited filling activity, one is the currently active face filling area. Each of the WMUs has active landfill gas collection. Table 1 lists the WMUs and the number of currently active landfill gas wells in each, and the current status of the WMU. Attachment 5 is a selection of recent landfill gas wellfield monitoring data.

Table 1 – Summary of Landfill Gas Collection System at YCCL as of December 2021.

WMU	Area covered (acres)	Number of Active LFG Collection Wells	Number of Condensate Sumps/Other LFG points	Current Status
1	23.19	18	4	Closed 2015
2	39.99	23	3	Closed 2012 and 2015
3	20.72	18	4	Closed 2007, LFG quality is poor and often has oxygen intrusion issues.
4	8.73	5	3	Closed 2020
5	30.87	14	8	Closed 2020
6A	20.19	18	1	Interim cover, limited filling activity/site disturbance
6B	19.98	18	2	Interim cover, limited filling activity/site disturbance
6C	19.30	16	2	Interim cover, limited filling activity/site disturbance
6D	24.67	19	5	East portion used for anaerobic composting activity. No active landfilling.
6F	19.75	2		Active Filling Area 2022, 6 additional wells will be active in 2022
6H	16.00	NA	NA	Construction in 2022, Filling in 2023. LFG Monitoring likely needed late 2023

YCCL currently operates the landfill gas collection and control system under section 40 CFR 60.752(b)(1) and 17 CCR 95460 to 95476 as a landfill that generates less than 50 megagrams per year of non-methane organic compounds (NMOC). It is anticipated that within the next year we will be over the 50 megagram limit and be required to operate the landfill gas collection and control system according to the requirements in 40 CFR 60.752(b)(2)(ii) and 40 CFR 60.753 (the New Source Performance Standards, NSPS) in addition to 17 CCR 95460 to 95476 (AB 32 Methane Emissions from Municipal Solid Waste Landfills Regulation).

Typical flow in the landfill gas collection system is around 1100 to 1500 standard cubic feet per minute. This flow is directed through moisture knockout and vacuum blower to either four caterpillar lean burn engines with generators attached, or a flare. The engines are 2 Caterpillar G399 engines that generate 600 Kw each, and two Caterpillar G3516 engines that generate 925 Kw each. An additional G399 engine will be operational in second quarter, 2022.

Task 1 - Routine Monthly LFG System Operation, Monitoring, And Maintenance (OM&M)

The contractor will implement the following OM&M program:

1. Monthly selected main LFG pipeline test ports will be monitored. There are currently 33 sample ports that are part of the regular monitoring program (See recent monitoring data in Attachment 5). At a minimum, collected data shall include Date, time, and monitoring personnel, Meteorological conditions (i.e., wind velocity, barometric pressure, ambient temperature, weather conditions, etc.), Methane, oxygen, carbon dioxide and balance gas concentrations, Temperature, pressure/vacuum.

2. At a minimum, once per month, all LFG extraction wells will be monitored and adjusted as needed to help maximize total flow and target methane gas quality. At a minimum, collected data shall include Date, time, and monitoring personnel, Meteorological conditions (i.e., wind velocity, barometric pressure, ambient temperature, weather conditions, etc.), Methane, oxygen, carbon

dioxide and balance gas concentrations, Temperature, Wellhead vacuum/pressure, initial and adjusted flow rates (if flow capable wellheads are installed), Temperature, notes if adjustments were made and any needed maintenance. Any LFG extraction well adjustments shall be in accordance with NSPS requirements. Any necessary changes to orifice plates (in wellheads that are equipped with them) shall be completed by Contractor and noted to County for updating database. Contractor shall complete any minor adjustments to extraction wellheads or laterals in response to condensate blockages. In addition, at least every third month, an instrument that can measure and record carbon monoxide at the LFG extraction wells will be used and data included with the other regular monthly data.

3. Monthly, as part of the monthly monitoring activity, the LFG extraction well flows will be adjusted as required to help optimize system performance. Optimizing performance in this case means: adjusting flow to be as high as can be maintained without either lowering methane content or increasing oxygen content, while minimizing surface emissions.

4. Monthly the LFG extraction condensate pump systems will be observed for the following: Accessibility, Vandalism, Malfunctions, Leaks, system vacuum at sump and adjacent header, Pump cycle counters will be recorded, if present, and utilized to calculate approximate gallons removed since previous visit.

5. As needed - Once per monthly monitoring period, any wells requiring NSPS re-testing will be adjusted and monitored as needed within the required 5 day or 15 day timeline.

6. Following each site visit, field personnel shall provide a verbal or email summary of all activities to a designated County representative.

7. The County utilizes SCS eTools® as the database for all LFG monitoring. Within 24 hours following each monitoring event, Contractor shall upload collected data to the SCS eTools® database.

8. Monthly, Contractor shall prepare and submit a summary report documenting all monitoring activities, site conditions and any maintenance performed or recommended. Any exceedances to NSPS standards shall be noted along with corrective actions taken. Reports shall be submitted no later than the 15th day of each month.

Task 2 – As-needed LFG System Support

Contractor shall perform the following tasks on an as-needed basis. Assignment of work will be made by soliciting informal proposals from the Contractor(s). Prior to performing work under any of these tasks, Contractor shall prepare work proposal and associated cost estimate in accordance with Attachment 4 and Contractors provided Exhibit C for County review and approval. The approval will reference the agreement and all terms and conditions of the agreement are part of the individual work proposal. The types of tasks may include, but not be limited to:

A. Additional LFG system monitoring and reporting including LFG perimeter probe monitoring, in-structure LFG monitoring of onsite buildings, landfill surface emissions scans and monitoring of LFG extraction equipment for system adjustments and analysis. Analyzing gas system performance and making recommendations.

B. Perform landfill gas migration investigation work and associated reporting tasks.

C. Minor, urgent construction of LFG piping, well heads, and appurtenances using heavy equipment and pipeline fusing equipment as necessary to maintain system efficiency and minimize system downtime.

D. Pneumatic and electric leachate and condensate recovery system design, operation, monitoring.

E. Pneumatic and electric leachate and condensate recovery system maintenance including rebuilding pneumatic condensate pumps onsite.

F. Designing and permitting upgrades of the existing LFG systems, LFG flare and power generation systems.

G. Air quality studies, including sampling and analysis, evaluation of landfill gas control systems and preparation of Title V Reports, Toxic Emission Inventory Plan and Risk Assessment Screening. Assistance with preparation of applications for major permit changes or new permits related to LFG collection and control systems.

H. Installation of LFG collection wells, including drilling services, well construction, and all necessary equipment, supplies, and materials. Wells will typically be replacing older LFG wells.

Prevailing Wage Requirement for all work associated with As-Needed Tasks 2C, 2E and 2H:
Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wage rates are set forth in the General Prevailing Wage Rate Determinations for this project, available for review at the Yolo County Department of Community Services, 292 West Beamer Street, Woodland, California and available from the California Department of Industrial Relations' internet web site at http://www.dir.ca.gov/DLSR/PWD. Future effective general prevailing wage rates which have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the General Prevailing Wage Rate Determinations.

At the time this contract is awarded, the Contractor and any subcontractors performing work under Tasks 2C and 2G must be registered with the Department of Industrial Relations in conformance with Labor Code § 1725.5. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The federal minimum wage rates for this project are predetermined by the United States Secretary of Labor. These rates are available directly from the Department of Labor at http://www.wdol.gov/dba.aspx and may be examined at the offices described above.

If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the federal wage determinations. Where federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate, which most closely approximates the duties of the employees in question.

If an individual work order is $25,000 or greater, the contractor will be required to attain payment and performance bonds for those particular services.

3. VENDOR MINIMUM REQUIREMENTS:

a. The successful Contractor shall have at least five (5) years of responsible experience in landfill gas system design, quality assurance, monitoring, maintenance and operation to successfully deliver the projects that are described in the section 2, Technical Specification.
b. Contractor must provide evidence that the proposed project team staff, who will be working on the projects are qualified, and have relevant and recent project experience to perform the tasks.
c. For any design related work, The Proposer's lead engineer shall be a registered Civil Engineer or certified Engineering Geologist in the State of California specializing in work similar to that discussed in the section 2, Technical Specification.

4. DELIVERABLE / REPORTS

a. Contractors shall provide both hard and electronic versions of all reports and deliverables discussed in Section 2, Technical Specifications.

b. Any reports that require a registered professional certification to submit to regulatory agencies will include the appropriate certifications.

5. AWARDED CONTRACTOR REQUIREMENT:

a. The successful awarded Contractor(s) must supply all insurance requirements as required in Attachment 1, Yolo County Insurance Requirements.
b. CONTRACT TERM: Contractor agrees to provide awarded items and/or services as specified in the RFP document for a period of three (3) years. The agreement may be extended by mutual consent for two (2) additional twelve (12) month periods. Rates may increase during optional years 4 and 5 of the agreement at no more than 3% per year.

D. PROPOSAL DEADLINE

Proposals shall be submitted no later than the Proposal Deadline time and date detailed in the Section II, RFP Schedule of Events. Proposers shall respond to the written RFP and any exhibits, attachments, or amendments. A Proposer's failure to submit a proposal as required before the deadline shall cause the proposal to be disqualified. Late proposals shall not be accepted nor shall additional time be granted to any potential Proposer.

E. SUBMITTING PROPOSALS:

The required method of submitting your proposal is electronically through BidSync.

It is the sole responsibility of the proposer to ensure their proposal reaches BidSync, LLC before the closing date and time. If you have any questions regarding the submittal of this proposal, please contact BidSync at 1(800) 990-9339, for vendor support.

F. ADDENDA:

Any additional information not included in this solicitation which the County finds necessary and material to responding to the RFP will be posted as an addendum on BidSync. Answers to questions submitted through BidSync shall be considered addenda to the solicitation documents.

SECTION II. RFP SCHEDULE OF EVENTS

The following RFP Schedule of Events represents the County's best estimate of the schedule that shall be followed. Unless otherwise specified, the time of day for the following events shall be between 8:00 a.m. and 4:00 p.m., Pacific Time.

The County reserves the right, at its sole discretion, to adjust this schedule as it deems necessary. Notification of any adjustment to the Schedule of Events shall be provided to all vendors through BidSync. The County is not responsible for failure of the prospective Bidders/Offerors to check for any RFP document updates, changes, or answers to questions posted at the BidSync.com website. Failure to periodically check the website will be at the Bidder's/Offeror's sole risk.

	EVENT	DATE	TIME
1	County Issues RFP	January 7, 2022	
2	Deadline for Written Comments Posted on BidSync	January 27, 2022	5:00 PM (PDT)
3	County Issues Responses to Written Comments	February 4, 2022	5:00 PM (PDT)
4	Deadline Proposal Due	February 24, 2022	4:00 PM (PDT)

5	Consultant Interviews (if needed)	March 9, 2022	TBD
6	County Completes Evaluations	March 15, 2022	
7	Board of Supervisors approved agreement	April 12, 2022	
8	Anticipated Contract Start Date	May 1, 2022	

III. GENERAL INSTRUCTIONS AND INFORMATION

A. RFP Coordinator

The following RFP Coordinator shall be the main point of contact for this RFP:

Karen Kawelmacher
County of Yolo Purchasing Department
625 Court Street Room 103
Phone: (530) 666-8073
Karen.Kawelmacher@.yolocounty.org

B. COMMUNICATIONS REGARDING THE RFP

Upon release of this RFP, all vendor communications concerning this procurement must be directed to the RFP Coordinator named above. Unauthorized contact regarding the RFP with other County employees of the procuring county agency may result in disqualification.

Questions concerning this RFP, including specifications, requirements, terms and/or conditions of a solicitation, etc. should be submitted solely in writing online at www.bidsync.com in the questions and answers section of the solicitation no later than the date and time noted above in the Section II. Schedule of Events Chart, item#3 Deadline for Written Comments Posted on BidSync or per any changes to Schedule of Events as posted to BidSync.

The County is not responsible for failure of the prospective Bidders/Offerors to check for any RFP document updates, changes, or answers to questions posted at the BidSync.com website. Failure to periodically check the website will be at the Bidder's/Offeror's sole risk.

Any oral communications shall be considered unofficial and nonbinding on the County.

Any irregularities or lack of clarity in the RFP should be brought to the attention of the County for correction or clarification.

C. PROPOSAL PREPARATION COSTS

The County shall not pay any costs associated with the preparation, submittal, or presentation of any proposal.

D. PROPOSAL WITHDRAWAL

To withdraw a proposal, the Vendor must submit a written request, signed by an authorized representative, to the RFP Coordinator. After withdrawing a previously submitted proposal, the vendor may submit another proposal at any time up to the deadline for submitting proposals.

E. PROPOSAL AMENDMENT

The County shall not accept any amendments, revisions, or alterations to proposals after the deadline for proposal submittal unless the County formally requests such in writing.

F. PROPOSAL ERRORS

Proposers are liable for all errors or omissions contained in their proposals. Proposers shall not be allowed to alter proposal documents after the deadline for submitting a proposal.

G. PROHIBITION OF PROPOSER TERMS & CONDITIONS

A Proposer may **not** submit the Proposer's own contract terms and conditions in a response to this RFP. If a proposal contains such terms and conditions, the County, at its sole discretion, may determine the proposal to be a nonresponsive counteroffer, and the proposal may be rejected.

H. ASSIGNMENT AND SUBCONTRACTING

The Contractor may not subcontract, transfer, or assign any portion of the contract without prior, written approval from the County. The County must approve each subcontractor in writing. The substitution of one subcontractor for another may be made only at the discretion of the County and with prior, written approval from the County.

Notwithstanding the use of approved subcontractors, the Proposer, if awarded a contract under this RFP, shall be the prime contractor and shall be responsible for all work performed. Contractor shall require each of its subcontractors of any tier to carry the aforementioned coverage, or Contractor may insure subcontractors under its own policy.

I. PROPOSAL OF ADDITIONAL SERVICES

If a Proposer indicates an offer of goods or services in addition to those required by and described in this RFP, these additional goods or services may be added to the contract before contract signing at the sole discretion of the County.

J. INDEPENDENT PRICE DETERMINATION

A proposal shall be disqualified and rejected by the County if the price in the proposal was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to such prices with any other Proposer, a County employee, or any Competitor.

K. INSURANCE

The successful Contractor will be required to provide and maintain insurance as required and listed in Attachment 1 before commencing work on the contract.

L. LICENSURE

Before a contract pursuant to this RFP is signed, the Proposer must hold all necessary, applicable business and professional licenses. The County may require any or all Proposers to submit evidence of proper licensure.

M. RFP AMENDMENT AND CANCELLATION

The County reserves the unilateral right to amend this RFP in writing at any time. The County also reserves the right to cancel or reissue the RFP at its sole discretion. If an amendment is issued it shall be provided to all proposers through BidSync. Proposers shall respond to the final written RFP and any exhibits, attachments, and amendments.

N. RIGHT OF REJECTION

The County reserves the right, at its sole discretion, to reject any and all proposals or to cancel this RFP in its entirety.

Any proposal received which does not meet the requirements of this RFP may be considered to be nonresponsive, and the proposal may be rejected. Proposers must comply with all of the terms of this RFP and all applicable State and County laws and regulations. The County may reject any proposal that does not comply with all of the terms, conditions, and performance requirements of this RFP.

The County reserves the right, at its sole discretion, to waive variances in proposals provided such action is in the best interest of the County. Where the County waives minor variances in proposals, such waiver does not modify the RFP requirements or excuse the proposer from full compliance with the RFP. Notwithstanding any minor variance, the County may hold any Proposer to strict compliance with the RFP.

O. DISCLOSURE OF PROPOSAL CONTENTS

All proposals become the property of the County, which is a public agency subject to the disclosure requirements of the California Public Records Act (CPRA, California Government Code §6250 and following). The CPRA contains limited exemptions. If you contend that any documents, as defined by the

CPRA, are confidential or proprietary material and exempt from CPRA, these documents shall be clearly marked "Exempt from CPRA." Proposer shall defend, indemnify and hold the County harmless against any claim, action or litigation (including but not limited to all judgments, costs, fees, and attorney's fees) that may result from denial of a CPRA request. If Proposer does not respond to a CPRA request or agree to do so within five (5) days, the County may disclose the requested information under the CPRA."

P. PROPOSAL EVALUATION PROCESS

The evaluation process is designed to award the procurement to the Proposer with the best combination of attributes based upon the evaluation criteria.

The County reserves the right, at its sole discretion, to request clarifications of proposals or to conduct discussions for the purpose of clarification with any or all Proposers. If clarifications are made as a result of such discussion, the Proposer shall put such clarifications in writing.

Q. AWARD OF PROPOSAL

Award will be made to the Proposer offering the most advantageous proposal after consideration of all Evaluation Criteria set forth below. This criterion is not listed in any order of preference. The County reserves the right to establish weight factors that will be applied to the criteria depending upon the order of importance. The County shall not be obligated to accept the lowest priced proposal but will make an award in the best interests of the County after all factors have been evaluated.

Award Evaluation Criteria:

1) Reasonableness of Costs
2) Qualifications and Experience of Firm and Personnel
3) Responsibility
4) Proposer's Approach to the Project/Implementation of Scope
5) Customer References
6) Quality and Completeness of Submitted Proposal

R. AWARD PROCESS

The County reserves the right to make an award without further discussion of any proposal submitted. Each proposal should be initially submitted on the most favorable terms the proposer can offer. The County reserves the right to negotiate and/or include a best and final offer stage to the process. Proposers may be invited for presentation.

The county reserves the right to add terms and conditions, deemed to be in the best interest of the county, during final negotiations. Any such terms and conditions shall be within the scope of the RFP and shall not affect the basis of proposal evaluations and will be incorporated in a purchase order.

The County reserves the right, at its sole discretion, to negotiate with the apparent best evaluated Proposer.

The County reserves the right to separate the tasks associated with this RFP and award one or more tasks to multiple proposers.

IV. TERMS AND CONDITIONS

A. QUALIFICATIONS/INSPECTION:

Proposals will only be considered from firms normally engaged in providing the types of commodities/services specified herein. The County reserves the right to inspect the Proposer's facilities, equipment, personnel, and organization at any time, or take any other action necessary to determine Proposer's ability to perform. The RFP Coordinator reserves the right to reject proposals where evidence or evaluation is determined to indicate inability to perform.

B. NON-WAIVER:

The County's failure to address errors or omissions in the proposals shall not constitute a waiver of any requirement of this RFP by the County.

C. FEDERAL, STATE, AND LOCAL LAWS:

The successful proposer must operate in conformity with all applicable, federal, state, and local laws, ordinances, orders, rules, and regulations pertaining to work. It is the responsibility of the awarded proposer to ensure that all permits and/or licensees required for operation are valid and current. Failure to comply with this provision may be cause to cancel any contract awarded, and award will be made to the next lowest, responsive, responsible proposer.

D. GOVERNING LAW:

If an award is made, the contract will be made in the County of Yolo and shall be governed and construed in accordance with the laws of the State of California. Any action relating to the Contract shall be instituted and prosecuted in the courts of Yolo County, California.

E. NON-DISCRMINATION:

There shall be no discrimination as to race, sex, color, creed, age or national origin in the operations conducted under any resulting contract.

F. PUBLIC AGENCY:

It is intended that other public agencies (i.e., city, special district, public authority, public agency and other political subdivisions of the State of California) shall have the option to participate in any agreement created as a result of this RFP with the same terms and conditions specified, including pricing. The County shall incur no financial responsibility in connection with a purchase order from another public agency. The public agency shall accept sole responsibility for placing orders and making payment to the vendor.

G. ADDITIONAL PURCHASES:

Following the award, the County may dispense with separate bidding for additional purchases of like item(s) from the successful Proposer within a twelve (12) month period from the initial purchase date provided that the Vendor agrees to provide the like item(s) at the same discounted price and under the same terms and conditions as the previous award.

H. EXTENSIONS:

The County reserves the right to extend any contract past the end term date upon mutual agreement and under the same pricing, terms and conditions for continual service and supplies while a new contract is being solicited, evaluated and/or awarded for a period not to exceed six (6) months.

I. PRICE ESCALATION:

All prices are firm for a period of three (3) years from the date of award.

J. INVOICES AND PAYMENT TERMS:

Invoices are to be mailed to the County department(s) specified on the resulting purchase order, blanket purchase order or contract. All invoices must include the purchase order number, blanket purchase order number, or contract number, product description and reference to back ordered items. Failure to comply may result in delayed payments.

The County will make payment on a Net 30-day basis unless a cash discount of one-half percent (1/2%) or greater, which amounts to $2.50 or more, is allowed for payment within not less than twenty (20) days. The payment term shall begin on the date the merchandise is inspected, delivered and accepted by the County, or on the date a correct invoice is received in the office specified in the order, whichever is later. Prompt payment discounts shall be considered earned if payment is postmarked or personally delivered within the prescribed term. The beginning date described above shall be considered day zero for the purposes of counting days in the prescribed term.

K. COMPLIANCE:

Late, incomplete, incorrect deliveries or excessive backorders will be documented, and performance evaluated when considering contract continuation or extension. Inaccurate or erroneous billing will also be documented and monitored for the purpose of evaluating performance when considering continuation or extension of contract. Failure to meet quoted delivery timeframes, or inaccurate or erroneous invoices (as determined by the Purchasing Department) may be cause for the County to cancel the balance of the awarded purchase order and award will be made to the next lowest proposer. Failure to receive County concurrence for substitutions or alternates will be documented and considered when evaluating continuation or extension of contract.

L. DEFAULT:

In case of default by the awarded proposer, the County may procure the goods or services from another source and may recover the loss occasioned thereby from any unpaid balance due the selected proposer, or by any other legal means available to the County. The County may also ban selected proposer up to two years from future solicitations for default.

M. TERMINATION FOR CONVENIENCE:

The County reserves the right, in its best interest as determined by the County, to cancel any contract by giving written notice to the Contractor thirty (30) days prior to the effective date of such cancellation.

N. CANCELLATION FOR UNAPPROPRIATED FUNDS:

The obligation of the County for payment to a Contractor is limited to the availability of funds appropriated in a current fiscal period, and continuation of the contract into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.

O. ASSIGNMENT/TRANSFER/SUBCONTRACTING:

Awarded Contractor shall not assign, transfer, or subcontract any portion of the contract without the express written consent of the department. Any award issued pursuant to this RFP, and the monies, which may become due hereunder, are not assignable without the prior written approval of the County.

P. Freight On Board (F.O.B.) POINT:

All prices quoted shall be F.O.B destination, freight prepaid (proposer pays and bears freight charges, proposer owns goods in transit and files any claims), excluding sales tax. The County is exempt from Federal Excise and Transportation taxes.

Q. PROTESTS: The County encourages Suppliers to resolve issues regarding requirements or the procurement process through written correspondence and discussions. The County is committed to fostering relationships with its Suppliers to encourage an ongoing pursuit to fulfill requirements.

1. Protest of RFP/BID Specifications/Requirements/Terms & Conditions:

Companies who are concerned regarding irregularities or lack of clarity in specifications, requirements, terms and/or conditions of a solicitation should be brought to the attention of the County. Notice shall be provided in writing by e-mail or hard copy directly to the RFP/IFB Coordinator prior to the closing date and time of the designated "question and answer period" of the proposal noted above in the Section II. Schedule of Events Chart, item#3 Deadline for Written Comments Posted on BidSync. No facsimiles will be accepted.

Notice must be clearly marked **"Notice of Protest of Specifications/Requirements/Terms & Conditions"**. No requests for protests of solicitation specifications, requirements, terms and/or conditions shall be considered after the deadline stated above.

Companies who fail to do so forfeit all rights to protest a solicitation or any subsequent award based on the specifications, requirements, terms or conditions of this solicitation. In the event of the protest for specifications, requirements, terms and/or conditions is denied and the protester wishes to continue in the solicitation process they must still submit a bid/proposal prior to the close of the solicitation.

2. Protest of Disqualification:

Initial evaluations will determine if proposals have met the minimal requirements as indicated in this RFP. Notices will be sent to all companies who have been disqualified for not meeting the minimal requirements. Should a company disagree with the determination, notice of disagreement must be received by the RFP/IFB Coordinator within five (5) working days of date of notice identifying areas that are in question and how the company met the minimal requirements. Notice must be clearly marked **"Notice of Disagreement"** and shall be received by e-mail or hard copy. No facsimiles will be accepted. Companies who fail to do so forfeit all rights in the protest process. It is at the county's discretion at the department level to make final determinations for all disqualified protests.

3. Protest of Award of Contract:

In protests related to the award of a contract, the protest must be received by e-mail or hard copy no later than five (5) working days after the notice of the proposed contract award to the Manager of Procurement. Contact information for the Manager of Procurement is as follows:

Manager of Procurement
Yolo County Department of Financial Services
625 Court St., Ste. 103
Woodland, CA 95695-3490

Notice must be clearly marked **"Notice of Protest of Award of Contract"** and may be received by e-mail or hard copy. No facsimiles will be accepted. A review may be granted if the protest is received within the specified time and the firm/person submitting the protest is a Bidder/Offeror.

4. Protest Procedures:

All protests shall be typed under the protester's letterhead and submitted in accordance with the provisions stated herein. All protests shall include at a minimum the following information:

1. The name, address, and telephone number of the Protester;
2. The signature of the Protester or Protester's representative;
3. The solicitation title and due date;
4. Name of County employee designated as the RFP/IFB Coordinator;
5. Identification of the statute or procedure that is alleged to have been violated;
6. A detailed statement identifying the legal and/or factual grounds of the protest and all documentation supporting the vendor's position at the time of the initial protest;
7. The party filing an "award" protest must concurrently transmit a copy of the protest and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest;
8. The form of relief requested.

Protester's failure to comply with these procedures shall constitute a waiver of any right to further the RFP/IFB Protest and shall constitute a failure to exhaust administrative remedies.

In all cases, the first level of review of any protest shall be conducted by the respective Department issuing the solicitation.

However, should a protester disagree with the conclusion of the Department Head, the Bidder/Offeror may submit a formal written request by e-mail or hard copy and received within five (5) working days from the date of the first determination made by the Department Head for further review to the County Administrator's Office (CAO). No facsimiles will be accepted. The CAO decision shall be final.

If it is determined the protest is frivolous, the party originating the protest may be determined to be irresponsible and may be ineligible for future contracts.

Throughout the review process, the County has no obligation to delay or otherwise postpone an award of a contract based on a protest.

R. County Sample Contract: Proposals must include a statement of acknowledgement that the Proposer has reviewed the County Sample Contract (Attachment 1-County Sample Contract) and has accepted it with or without qualification. If the Proposer makes qualifications, those qualifications must be identified and listed along with suggested modifications to the contract. [Note: the scope of work and budget detail and payment provisions for the contract will be finalized during the contract negotiation process.] If the Proposer makes no qualifications to the Sample Contract, including exhibits, then it shall be deemed that the Proposer accepts these items without reservation or any qualifications.

V. Instructions for Completion of Proposal

A. SUBMITTING PROPOSALS:

The required method of submitting your proposal is electronically through BidSync.

It is the sole responsibility of the proposer to ensure their proposal reaches BidSync, LLC before the closing date and time. If you have any questions regarding the submittal of this proposal, please contact BidSync at 1(800) 990-9339, for Vendor support.

Late proposals shall not be accepted, nor shall additional time be granted to any potential Proposer.

B. REQUIRED PROPOSAL SUBMITTALS:

The submittals requested shall be included with the proposal response. Failure to include required submittals may be cause for rejection of your proposal**.** The following are required for your proposal to be considered and must be labeled with the following:

1. **Exhibit "A": Proposal Cover Letter**
   Proposer must send a brief cover letter, on company letterhead, addressed to Yolo County Community Services Department, Division of Integrated Waste Management, which provides the following information:

   a) Name and address of Proposer/Contractor, as well as the Project Manager's name, phone number & e-mail address.
   b) A statement that the proposal is in response to this RFP.
   c) Affirm that the Proposer meets the minimum qualifications stated in this RFP and understands the work to be done. Provide a statement demonstrating firm's or team's ability to accomplish the scope of services in a comprehensive and thorough manner to meet the needs of the County, including any specialized equipment needed.
   d) State the names of the persons who will be authorized to make representations for the Proposer, their job titles, addresses, telephone numbers and e-mail addresses.

e) The typed name and title, and original signature, of the individual who is authorized to commit the contractor to the proposal. State that the person signing the letter is authorized to bind the Proposer. (Contractor additionally to fill out supplied County Signature Page.)

2. Exhibit "B": Proposer's Qualifications

a) Provide a summary of the firm's experience in providing these or similar services.
b) Describe your experience working with other government agencies on similar projects as described in Section C – Scope of Work above.
c) List the total number of employees and their qualifications available to support this type of work. Specifically provide resumes for all supervisory and lead operations personnel.
d) Does your firm plan on subcontracting portions of this work? If yes, indicate the name of the subcontractor and the portion of the work that will be subcontracted including their qualifications & resumes.
e) List all applicable licenses & DIR registration #.

3. Exhibit "C": Proposal Cost Worksheet

a. Provide a cost estimate for Task 1 with detailed breakdown of estimated personnel, hourly rates, estimated hours, equipment, and any reimbursable expenses per month. Note that reimbursement for Task 1 will be based on actual costs with a not-to-exceed cap as provided in Contractor's estimate.
b. Provide fee schedule for all staff used on this project. This will be used for developing cost estimates for work requests in Task 2. Cost should include hourly rate, supplies, transportation, printing and any other related expenses. Note that reimbursement for each assigned work request will be based on actual costs with a not-to-exceed cap as provided in Contractor's estimate.
c. Similarly provide fee schedule for any subcontractor proposed.

4. Exhibit "D": Responsibility

a) Have you ever defaulted on a contract? If yes, where and why?
b) Has your firm ever been suspended or debarred by any government agency? If yes, please explain. Include where, when, what agencies, and the ultimate resolution.
c) In the last five (5) years has any claim against your company concerning your company's work on a project been filed in court or arbitration?

5. Exhibit "E": References

a. Provide a minimum of three references for related projects or service agreements in the last five years, including dates, contact person and phone number, and a brief description of the project or agreement.

6. Exhibit "F": Discussion of Implementation of Scope of Work

a. Include discussion of methodologies you believe are essential to accomplishing this project as well as examination and inclusion of items listed in 'Scope of Work' under 2.0 Scope Service.
b. Provide a detailed discussion of your firm's approach to the successful implementation of similar tasks.
c. Include a typical work schedule to accomplish the required tasks.
d. Describe your experience involving projects similar to projects listed under Scope of Service.

7. Exhibit "G": Exceptions

Describe any and all proposed exceptions, alterations or amendments to the Scope of Work, Sample County Contract or other requirements of this RFP. The nature and scope of proposed exceptions may affect the evaluation of the submittal and the County's determination of whether it is possible to successfully negotiate a contract with the firm/company. (County Provided)

8. Exhibit "H": Signature Page

Provide an executed Signature Page by a Contractors representative who is authorized to bind the Contractor in this agreement. (County provided)

9. Exhibit "I": Non Collusion Non Conflict of Interest Statement

Provide an executed Signature Page by a Contractors representative who is authorized to bind the Contractor in this agreement. (County provided)

C. FORMAT PROPOSAL AND CONTENT:

The Proposer(s) shall prepare their written proposals in accordance with the instructions outlined below. Deviations from these instructions may be construed as non-responsive and may be cause for disqualification. Emphasis should be placed on accuracy, completeness, and clarity of content.

The format and content of the Proposal are as follows:

1. If provided, use the forms included in the Exhibits as well as the requirements listed above. All other submitted pages are to be single-spaced typed pages with one-inch margins.
2. Identify the Category of the Proposal, Proposal number and Proposer name on every page submitted.
3. All pages shall be numbered sequentially.

All forms and attachments that require signatures must be signed for inclusion in the original of the Proposal package. Signature stamps are not acceptable.

AGREEMENT NO. _____
(Short-Form Agreement)

THIS AGREEMENT is made this _____ day of _____, _____, by and between the County of Yolo ("COUNTY"), and _____ ("CONTRACTOR"), who agree as follows:

TERMS

1. CONTRACTOR shall perform the following personal services: _____

2. CONTRACTOR shall perform said services between _____, _____, and _____, _____.

3. The complete contract shall include the following Exhibits attached hereto and incorporated herein: Exhibit A: Insurance Requirements, _____.

4. Subject to CONTRACTOR'S satisfactory and complete performance of all the terms and conditions of this Agreement, and upon CONTRACTOR'S submission of an appropriate claim, COUNTY shall pay CONTRACTOR no more than a total amount of $_____, as identified in _____.

5. CONTRACTOR, at his sole cost and expense, shall obtain and maintain throughout the entire term of this Contract, the insurance set forth in Exhibit A attached hereto.

6. To the fullest extent allowed by law, CONTRACTOR shall defend, indemnify, and hold harmless the COUNTY, its officers, officials, employees and agents from any and all claims, demands, liability, damages, cost or expenses (including but not limited to attorney fees) in law or equity that may at any time arise or be asserted based in whole or in part upon any negligent or other wrongful act or omission of the CONTRACTOR, it's officers, agents, or employees. CONTRACTOR/SUBCONTRACTOR responsibility for such defense and indemnity obligations shall survive the termination or completion of this agreement for the full period of time allowed by law**.** The defense and indemnification obligations of this agreement are undertaken in addition to, and shall not in any way be limited by, the insurance obligations contained in this agreement.

7. Any SUBCONTRACTOR agrees to be bound to CONTRACTOR and COUNTY in the same manner and to the same extent as CONTRACTOR is bound to COUNTY under the Contract Documents. SUBCONTRACTOR further agrees to include the same requirements and provisions of this agreement, including the indemnity and Insurance requirements, with any SUB-SUBCONTRACTOR to the extent they apply to the scope of the SUB-SUBCONTRACTOR's work. A copy of the COUNTY's Contract Document Indemnity and Insurance provisions will be furnished to the SUBCONTRACTOR upon request.

8. CONTRACTOR shall comply with all applicable laws and regulations, including but not limited to any, which are promulgated to protect the public health, welfare and safety or prevent conflicts of interest. CONTRACTOR shall defend COUNTY and reimburse it for any fines, damages or costs (including attorney fees) that might be incurred or assessed based upon a claim or determination that CONTRACTOR has violated any applicable law or regulation.

9. This Agreement is subject to the County, the State of California and the United States appropriating and approving sufficient funds for the activities required of the Contractor pursuant to this Agreement. If the County's adopted budget and/or its receipts from California and the United States do not contain sufficient funds for this Agreement, the County may terminate this Agreement by giving ten (10) days advance written notice thereof to the Contractor, in which even the County shall have no obligation to pay the Contractor any further funds or provide other consideration and the Contractor shall have no obligation to provide any further services under this Agreement.

10. If CONTRACTOR fails to perform any part of this Agreement, the COUNTY may notify the CONTRACTOR of the default and CONTRACTOR shall remedy the default. If CONTRACTOR fails to do so, then, in addition to

any other remedy that COUNTY may have, COUNTY may terminate this Agreement and withhold any or all payments otherwise owed to CONTRACTOR pursuant to this Agreement.

11. Attached are licenses &/or certificates required by CONTRACTOR's profession (Indicating type; No.; State; & Expiration date), and CONTRACTOR certifies that he/she/it shall maintain them throughout this Agreement, and that CONTRACTOR's performance will meet the standards of licensure/certification.

12. CONTRACTOR understands that he/she is not an employee of the COUNTY and is not eligible for any employee benefits, including but not limited to unemployment, health/dental insurance, worker's compensation, vacation or sick leave.

13. CONTRACTOR will hold in confidence all information disclosed to or obtained by CONTRACTOR which relates to activities under this Agreement and/or to the COUNTY's plans or activities. All documents and information developed under this Agreement and all work products, reports, and related data and materials shall become the property of the COUNTY. CONTRACTOR shall deliver all of the foregoing to the COUNTY upon completion of the services hereunder, or upon earlier termination of this Agreement. In addition, CONTRACTOR shall retain all of its own records regarding this Agreement and the services provided hereunder for a period of not less than four (4) years, and shall make them available to COUNTY for audit and discovery purposes.

14. This Agreement constitutes the entire agreement of the parties, and no other agreements or representations, oral or written, have been made or relied upon by either party. This Agreement may only be amended in writing signed by both parties, and any other purported amendment shall be of no force or effect. This Agreement, including all attachments, shall be subject to disclosure pursuant to the California Public Records Act.

15. This Agreement shall be deemed to be executed within the State of California and construed in accordance with and governed by laws of the State of California. Any action or proceeding arising out of this Agreement shall be filed and resolved in a California State court located in Woodland, California.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first written above by affixing their signatures hereafter.

CONTRACTOR:

_____
Contractor Signature

_____
Printed Name

_____
Street Address/PO Box

_____
City/State/Zip

_____
Phone

COUNTY:

_____
, Department Head

_____
, Purchasing Agent

CERTIFICATION: I hereby certify under the penalty of perjury that all statements made in or incorporated into this Agreement are true and complete to the best of my knowledge. I understand and agree that the COUNTY may, in its sole discretion, terminate this Agreement if any such statements are false, incomplete, or incorrect.

_____
Contractor Signature

EXHIBIT A

SERVICE CONTRACT INSURANCE REQUIREMENTS

A. During the term of this Agreement, Contractor shall at all times maintain, at its expense, the following coverages and requirements. The comprehensive general liability insurance shall include broad form property damage insurance.

1. Minimum Coverages (as applicable) - Insurance coverage shall be with limits not less than the following:

   a. **Comprehensive General Liability** – $1,000,000/occurrence and $2,000,000/aggregate
   b. **Automobile Liability** – $1,000,000/occurrence (general) and $500,000/occurrence (property) [include coverage for Hired and Non-owned vehicles.]
   c. **Professional Liability/Malpractice/Errors and Omissions** – $1,000,000/occurrence and $2,000,000/aggregate (If any engineer, architect, attorney, accountant, medical professional, psychologist, or other licensed professional performs work under a contract, the contractor must provide this insurance. If not, then this requirement automatically does not apply.)
   d. **Workers' Compensation** – Statutory Limits/**Employers' Liability** - $1,000,000/accident for bodily injury or disease (If no employees, this requirement automatically does not apply.)

2. The County, its officers, agents, employees and volunteers shall be named as additional insured on all but the workers' compensation and professional liability coverages. . **[NOTE: Evidence of additional insured may be needed as a separate endorsement due to wording on the certificate negating any additional writing in the description box.]** It shall be a requirement under this agreement that any available insurance proceeds broader than or in excess of the specified minimum Insurance coverage requirements and/or limits shall be available to the Additional Insured. Furthermore, the requirements for coverage and limits shall be (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any Insurance policy or proceeds available to the named Insured; whichever is greater.

   a. The Additional Insured coverage under the Contractor's policy shall be "primary and non-contributory" and will not seek contribution from the County's insurance or self insurance and shall be at least as broad as CG 20 01 04 13.

   b. The limits of Insurance required in this agreement may be satisfied by a combination of primary and umbrella or excess Insurance. Any umbrella or

excess Insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non contributory basis for the benefit of the County of Yolo (if agreed to in a written contract or agreement) before the County's own Insurance or self insurance shall be called upon to protect it as a named insured.

3. Said policies shall remain in force through the life of this Agreement and, with the exception of professional liability coverage, shall be payable on a "per occurrence" basis unless the County Risk Manager specifically consents in writing to a "claims made" basis. For all "claims made" coverage, in the event that the Contractor changes insurance carriers Contractor shall purchase "tail" coverage covering the term of this Agreement and not less than three years thereafter. Proof of such "tail" coverage shall be required at any time that the Contractor changes to a new carrier prior to receipt of any payments due.

4. The Contractor shall declare all aggregate limits on the coverage before commencing performance of this Agreement, and the County's Risk Manager reserves the right to require higher aggregate limits to ensure that the coverage limits required for this Agreement as set forth above are available throughout the performance of this Agreement.

5. Any deductibles or self-insured retentions must be declared to and are subject to the approval of the County Risk Manager. All self-insured retentions (SIR) must be disclosed to Risk Management for approval and shall not reduce the limits of liability. Policies containing any SIR provision shall provide or be endorsed to provide that the SIR may be satisfied either by the named Insured or Yolo County.

6. Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the Director (ten (10) days for delinquent insurance premium payments).

7. Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A:VII, unless otherwise approved by the County Risk Manager.

8. The policies shall cover all activities of Contractor, its officers, employees, agents and volunteers arising out of or in connection with this Agreement.

9. For any claims relating to this Agreement, the Contractor's insurance coverage shall be primary, including as respects the County, its officers, agents, employees and volunteers. Any insurance maintained by the County shall apply in excess of, and not contribute with, insurance provided by Contractor's liability insurance policy.

10. The insurer shall waive all rights of subrogation against the County, its officers, employees, agents and volunteers.

B. Prior to commencing services pursuant to this Agreement, Contractor shall furnish the County with original endorsements reflecting coverage required by this Agreement. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received by, and are subject to the approval of, the County Risk Manager before work commences. Upon County's request, Contractor shall provide complete, certified copies of all required insurance policies, including endorsements reflecting the coverage required by these specifications.

C. During the term of this Agreement, Contractor shall furnish the County with original endorsements reflecting renewals, changes in insurance companies and any other documents reflecting the maintenance of the required coverage throughout the entire term of this Agreement. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. Upon County's request, Contractor shall provide complete, certified copies of all required insurance policies, including endorsements reflecting the coverage required by these specifications. Yolo County reserves the right to obtain a full certified copy of any Insurance policy and endorsements. Failure to exercise this right shall not constitute a waiver of right to exercise later.

D. Contractor agrees to include with all Subcontractors in their subcontract the same requirements and provisions of this agreement including the indemnity and Insurance requirements to the extent they apply to the scope of the Subcontractor's work. Subcontractors hired by Contractor agree to be bound to Contractor and the County of Yolo in the same manner and to the same extent as Contractor is bound to the County of Yolo under the Contract Documents. Subcontractor further agrees to include these same provisions with any Sub-subcontractor. A copy of the Owner Contract Document Indemnity and Insurance provisions will be furnished to the Subcontractor upon request. The General Contractor/**and or Contractor** shall require all Subcontractors to provide a valid certificate of insurance and the required endorsements included in the agreement prior to commencement of any work and General Contractor/**and or Contractor** will provide proof of compliance to the County of Yolo.

E. Contractor shall maintain insurance as required by this contract to the fullest amount allowed by law and shall maintain insurance for a minimum of five years following the completion of this project. In the event Contractor fails to obtain or maintain completed operations coverage as required by this agreement, the County at its sole discretion may purchase the coverage required and the cost will be paid by Contractor.

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103; Davis, CA 95618
Phone (530) 757-3650 Fax (530) 757-3670

FACILITY NUMBER: 01392
SIC CODE: 4953
DATE EXPIRES: April 14, 2022
Unless Renewed

PERMIT TO OPERATE
P-15-05(a)
IS HEREBY GRANTED TO

YOLO COUNTY CENTRAL LANDFILL
44090 County Road 28H
Woodland, CA 95776

EQUIPMENT LOCATION: 44090 County Road 28H; Woodland, CA

TO OPERATE

PROCESS DESCRIPTION: Municipal solid waste (MSW) landfill

EQUIPMENT INVENTORY: MSW landfill not to exceed a total maximum design capacity of 49.0352 million cubic yards of waste

- Total Billing: Schedule 8, Misc. -

CONTROL EQUIPMENT INVENTORY:

Negative pressure landfill gas collection system serving the conventional and non-conventional portions of the landfill (previously referred to as "bioreactors") and LFG Specialties, F-2000 enclosed flare (shared with P-26-98)

PERMITTED EMISSION LIMITS:

Pollutant	Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [tons]
VOC	279.6	25,165	25,445	25,725	25,725	51.03

PERMITTED PROCESS LIMITS:

	Daily [tons]	Qtr #1 (Jan 1-Mar 31) [tons]	Qtr #2 (Apr 1-June 30) [tons]	Qtr #3 (July 1-Sept 30) [tons]	Qtr #4 (Oct 1-Dec 31) [tons]	Yearly [tons]
Municipal Solid Waste Received	1,800	160,200	162,000	162,000	162,000	646,200

The following information is included to inform and assist the Permit Holder in achieving compliance with applicable provisions of Federal, State, and District Rules and Regulations. The following set of referenced regulations are not intended to be either comprehensive or exclusive, nor are they intended to be emission limiting permit conditions, but they are still applicable rules of the District. Occasionally laws are amended. The amended versions of the referenced rules shall be deemed to be in effect. **It is the Permit Holder's responsibility to comply with all applicable Rules and Regulations.**

1. The Permit Holder shall firmly affix this permit to operate, an approved facsimile, or other approved identification bearing the permit number upon the facility, article, machine, equipment, or other contrivance in such a manner as to be clearly visible and accessible. In the event that the facility, article, machine, equipment, or other contrivance is so constructed or operated that the permit to operate cannot be so placed, the permit to operate shall be mounted so as to be clearly visible in an accessible place within 25 feet of the facility, article, machine, equipment, or other contrivance, or maintained readily available at all times on the operating premises. [District Rule 3.1, §408]

2. The Permit Holder shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause to have a natural tendency to cause injury or damage to business or property. [District Rule 2.5]

3. Commencing work or operation under this permit shall be deemed acceptance of all of the conditions so specified. [District Rule 3.1, §402]

4. The Permit Holder shall notify the District of any occurrence which constitutes an upset/breakdown condition as soon as reasonably possible. Verbal notification shall occur no later than one (1) hour after the detection of an upset/breakdown condition. The verbal notification shall be followed by a written notification to the Air Pollution Control Officer no later than four (4) hours after the detection of an upset/breakdown condition. If the upset/breakdown occurs when the District cannot be contacted, the report of breakdown shall be made at the commencement of the next regular working day. The notification shall identify the time, specific location, equipment involved, and to the extent known the cause(s) of the occurrence. [District Rule 5.2, §301.1 and §301.2]

5. The Permit Holder shall submit an annual throughput/production report at the end of each calendar year. This report is due no later than March 31 for the previous year. This report must include actual operating hours and actual amounts of materials processed (for materials that have process limits listed on the Permit to Operate). Each type of material and each type of process must be listed separately. [District Rule 3.1, §405.1]

6. This permit shall not be transferable, by operation of law or otherwise, from one location to another or from one piece of equipment to another. It shall be the transferee's responsibility to inform the District on assumption of ownership or operating control of any item under a permit from the District and for which a permit to operate will be required. For any such transfer as hereinabove described, said transferee shall submit an application for authorization in accordance with applicable District Rules. [District Rule 3.1, §304]

7. Modifications to this permit, as defined by District Rules and Regulations, require prior District approval. A modification is defined as any physical change, change in method of operation, addition to or any change in hours of operation, or change in production rate, which: would necessitate a change in permit conditions; or is not specifically limited by a permit condition; or results in an increase in emissions not subject to an emissions limitation. [District Rule 3.4, §223]

8. This permit to operate shall be renewable annually on the permit's anniversary date, commencing one (1) year after the date of issuance. The Permit Holder shall pay a fee for the annual permit renewal. If the annual renewal fee is not paid by the specified due date, the District shall assess a penalty of not more than 50% of the fee due. Non-payment of renewal fees is grounds for permit cancellation. [District Rule 3.1, §305 and District Rule 4.1, §303 and §401]

The following sets of conditions are established by the District to provide enforceable operating parameters as authorized by California Health and Safety Code Section 42301 and District Rule 3.1, Section 402. If any of the rules and regulations referenced below are amended subsequent to the issuance date of this permit, resulting in the amended rule differing from or superseding the corresponding condition, then the Permit Holder shall be required to comply with the amended rule or regulation and shall no longer be required to comply with the superseded condition.

9. The Permit Holder shall not discharge into the atmosphere from any single source of emissions whatsoever, any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
   a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
   b. Greater than 20% opacity. [District Rule 2.3]

10. No location on the landfill surface may exceed a methane concentration of 500 ppmv (other than non-repeatable, momentary readings) as determined by instantaneous surface emissions monitoring, or an average of 25 ppmv as determined by integrated surface emissions monitoring except:
    a. For individual wells involved in well raising provided that new waste is being added or compacted in the immediate vicinity around the well and installed gas collection well extensions are sealed or capped until the raised well is reconnected to a vacuum source;
    b. For individual Landfill Gas Collection and Control System (GCCS) system components that must be temporarily shut down in order to repair them due to catastrophic events, to connect new GCCS components, to extinguish landfill fires, or to perform construction activities provided that any new components are included in the most recent design plan and landfill gas emissions are minimized during the shutdown;
    c. For the working face of the landfill; or
    d. For areas of the landfill surface where the landfill cover material has been removed and refuse has been exposed for the purpose of installing, expanding, replacing, or repairing components of the landfill gas, leachate, or gas condensate collection and removal system, or for law enforcement activities requiring excavation. [District Rule 3.1, §402]

11. The Permit Holder shall operate the GCCS and route collected gas to the control system continuously except:
    a. For individual wells involved in well raising provided that new waste is being added or compacted in the immediate vicinity around the well and installed gas collection well extensions are sealed or capped until the raised well is reconnected to a vacuum source; or
    b. For individual GCCS system components that must be temporarily shut down in order to repair them due to catastrophic events, to connect new GCCS components, to extinguish landfill fires, or to perform construction activities provided that any new components are included in the most recent GCCS design plan and landfill gas emissions are minimized during the shutdown. [District Rule 3.1, §402]

12. The Permit Holder shall operate the GCCS so that there is no landfill gas leak that exceeds 500 ppmv (as methane) at any component under positive pressure. [District Rule 3.1, §402]

13. The GCCS shall be designed and operated to draw all landfill gas toward the VOC control devices. [District Rule 3.1, §402]

14. The Permit Holder shall monitor indicators to detect any bypass of emissions from the landfill GCCS and enclosed flare (or other landfill gas combustion units) to the atmosphere. [40 CFR 64.3(a)(2)]

15. The flare shall reduce methane emissions by 99% (by weight). Landfill gas may also be directed to other VOC control devices located at another stationary source or operated under a separate permit which achieve a methane destruction efficiency of at least 99% (by weight). Lean burn internal combustion engines must reduce outlet methane concentration to less than 3,000 ppmvd @ 15% O2. [District Rule 3.1, §402]

16. The minimum flare operating temperature shall be 1,400 degrees Fahrenheit (°F). The flare combustion flame temperature shall be measured in units of degrees F and shall be monitored at the thermocouple in the exhaust stack. Flame temperature shall be monitored with a continuous recording temperature sensor, which is installed, calibrated, maintained, and operated according to manufacturer's specifications. [District Rule 3.4]

17. The flare shall be equipped with automatic dampers, an automatic shutdown device, a flame arrester, and continuous recording temperature sensors. [District Rule 3.1, §402]

18. The flare shall be maintained and operated according to the manufacturer's specifications and shall be equipped with a temperature monitoring device with a continuous recorder which has an accuracy of plus or minus (±) 1% of the temperature being measured expressed in degrees Fahrenheit. At least one (1) gas flow rate measuring device must record the flow to the control device(s) at least every 15 minutes. For other control devices the Permit Holder shall provide the District with information describing operating parameters that would indicate proper performance and appropriate monitoring methods (or propose alternative monitoring procedures). [District Rule 3.1, §402]

19. During restart or startup there must be a sufficient flow of pilot gas to the flare burners to prevent unburned collected methane from being emitted to the atmosphere. [District Rule 3.1, §402]

20. The flare (or other landfill gas control device) shall be operated within the parameter ranges established during the most recent source test. [District Rule 3.1, §402]

21. Annual source tests shall be conducted for landfill gas control devices. [District Rule 3.1, §402]

22. Unless otherwise approved by the APCO, EPA Method 25, 25A, 25C, or 18 shall be used to determine the efficiency of the control device using the formula:
Destruction efficiency = [1 – (mass of methane at control device outlet / mass of methane at control device inlet)] x 100%. [District Rule 3.1, §402]

23. Each wellhead in the GCCS shall be operated under a vacuum except:
    a. For individual wells involved in well raising provided that new waste is being added or compacted in the immediate vicinity around the well and installed gas collection well extensions are sealed or capped until the raised well is reconnected to a vacuum source;
    b. For individual GCCS system components that must be temporarily shut down in order to repair them due to catastrophic events, to connect new GCCS components, to prevent/extinguish landfill fires, or to perform construction activities provided that any new components are included in the most recent design plan and landfill gas emissions are minimized during the shutdown;
    c. For use of a geomembrane or synthetic cover for which acceptable pressure limits for the included wellheads have been developed and included in the GCCS design plan; or
    d. For decommissioned wells. [District Rule 3.1, §402]

24. The Permit Holder shall, at all times, maintain the monitoring systems required for the landfill and enclosed flare including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment. Except for monitoring malfunctions, associated repairs, and required quality assurance or quality control activities the Permit Holder shall conduct all monitoring according to required intervals while the associated process is in operation. [40 CFR 64.7(a)-(c)]

25. Upon detecting an excursion or exceedance as defined in 40 CFR 64, the Permit Holder shall restore operation of the landfill and/or enclosed flare to the normal manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. [40 CFR 64.7(d)]

26. If it is determined that acceptable procedures were not used in response to an excursion or exceedance, the Permit Holder may be required to develop and implement a Quality Improvement Plan (QIP) as specified in 40 CFR 64.8(a) through (c). Implementation of a QIP shall not excuse the Permit Holder from compliance with existing emission limitations and monitoring, testing, reporting, and record-keeping requirements. [40 CFR 64.8]

27. Any instrument used for the measurement of methane must be a gas detector or other equivalent instrument approved by the APCO that meets the calibration, specifications, and performance criteria of EPA Reference Method 21, Determination of Volatile Organic Compound Leaks. For the purposes of demonstrating compliance with this permit methane replaces all references to volatile organic compounds (VOC) in Method 21 and methane shall be used as the calibration gas for the detector. The instrument shall be calibrated before and after each test using zero air and an approximately 500 ppmv methane based standard calibration gas in accordance with the manufacturer's recommendations. The instrument serial number and instrument calibration data shall be recorded for each calibration and maintained as a permanent record. [District Rule 3.1, §402]

28. In conducting measurements of landfill surface methane concentration the entire landfill must be divided into individually identified 50,000 square foot grids. The grids must be used for both instantaneous and integrated surface emissions monitoring. Testing must be performed by holding the hydrocarbon detector's probe within three (3) inches of the landfill surface (or at the height of vegetation in areas covered by low-lying vegetation) while traversing the grid. The walking pattern must be no more than a 25-foot spacing interval and must traverse each monitoring grid. If there are no exceedances of the surface methane concentration standards of this permit after any four (4) consecutive quarterly monitoring periods, the walking pattern spacing may be increased to 100-foot intervals. The Permit Holder must return to a 25-foot spacing interval upon any exceedances that cannot be remediated within ten (10) calendar days or upon exceedances detected during a compliance inspection. Surface testing must be terminated when the average wind speed exceeds five (5) miles per hour or the instantaneous wind speed exceeds ten (10) miles per hour. The APCO may approve alternatives to this wind speed surface testing termination for landfills consistently having measured winds in excess of these specified limits. Average wind speed must be determined on a 15-minute average using an on-site anemometer with a continuous recorder for the entire duration of the monitoring event. Surface emissions testing must be conducted no earlier than the time periods in the following table after precipitation has fallen according to the listed ranges of precipitation (as measured by an onsite gauge).

Precipitation (Inches)	Minimum time before monitoring (Hours)
0.01–0.15	24
0.16–0.24	48
0.25 and greater	72

[District Rule 3.1, §402]

29. In conducting instantaneous surface emissions monitoring the Permit Holder shall record any instantaneous readings of methane 200 ppmv or greater (other than non-repeatable, momentary readings). Surface areas of the landfill that exceed a methane concentration of 500 ppmv must be marked and remediated as required by this permit. The wind speed must be recorded during the sampling period. Landfill surface areas with cover penetrations, distressed vegetation, cracks or seeps must be inspected visually and with a hydrocarbon detector. [District Rule 3.1, §402]

30. In conducting integrated surface emissions monitoring the Permit Holder shall record readings and then average them for each grid. Individual monitoring grids that exceed an average methane concentration of 25 ppmv must be identified and remediated as required by this permit. The wind speed must be recorded during the sampling period. [District Rule 3.1, §402]

31. The Permit Holder shall conduct instantaneous and integrated monitoring of surface methane concentrations every calendar quarter. If the landfill has no monitored exceedances of the surface methane concentration limits specified in this permit after four consecutive quarterly monitoring periods, then any closed or inactive areas may be monitored annually. Any exceedances detected during annual monitoring that cannot be remediated within ten (10) calendar days or any exceedances detected during any compliance inspections will result in a return to quarterly monitoring of the location. [District Rule 3.1, §402]

32. When any monitoring reading exceeds the instantaneous surface methane concentration limit the Permit Holder shall record the date, location, and value of each exceedance, along with re-test dates and results. The location of each exceedance must be clearly marked and identified on a topographic map of the landfill, drawn to scale with the location of both the grids and the gas collection system clearly identified. The Permit Holder shall take corrective action and re-monitor the location within ten (10) calendar days of the measured exceedance. If re-monitoring shows a second exceedance, additional corrective action must be taken and the location re-monitored again no later than ten (10) calendar days of the second exceedance. If the re-monitoring shows a third exceedance the Permit Holder shall install a new or replacement well as determined to achieve compliance no later than 120 days after detecting the third exceedance. [District Rule 3.1, §402]

33. When any monitoring reading exceeds the integrated surface methane concentration limit the Permit Holder shall record the average surface concentration for each grid along with re-test dates and results. The location of the grids and the gas collection system must be clearly marked and identified on a topographic map of the landfill drawn to scale. The Permit Holder shall take corrective action and re-monitor the location within ten (10) calendar days of the measured exceedance. If re-monitoring shows a second exceedance, additional corrective action must be taken and the location re-monitored again no later than ten (10) calendar days of the second exceedance. If the re-monitoring shows a third exceedance the Permit Holder shall install a new or replacement well as determined to achieve compliance no later than 120 days after detecting the third exceedance. [District Rule 3.1, §402]

34. Components containing landfill gas and under positive pressure must be monitored quarterly for leaks. Such monitoring may be conducted prior to scheduled maintenance or planned outage periods for landfill gas-to-energy facilities. Any component leak must be tagged and repaired within ten (10) calendar days. [District Rule 3.1, §402]

35. The Permit Holder shall monitor each individual wellhead monthly to determine the gauge pressure. If there is any positive pressure reading other than as provided for well raising or repairs or temporary shutdowns of GCCS components in Title 17 CCR Section 95464 (d) and (e), or as otherwise provided for in this permit, the Permit Holder shall initiate corrective action within five (5) calendar days of the positive pressure measurement. If the problem cannot be corrected within fifteen (15) days of the date the positive pressure was first measured, the owner or operator must initiate further corrective action. Corrective actions must be completed and any new wells must be operating with 120 days of the date the positive pressure was first measured. [District Rule 3.1, §402]

36. Gauge pressure shall be determined using a hand-held manometer, magnahelic gauge, or other pressure measuring device approved by the APCO that is calibrated and operated in accordance with manufacturer's specifications. [District Rule 3.1, §402]

37. The Permit Holder shall operate the anaerobic non-conventional WMUs with an average moisture content less than 40% by weight. [District Rule 3.1, §402]

38. The Permit Holder shall prepare a moisture report for the anaerobic non-conventional WMUs documenting the average moisture content by weight using the procedures specified in 40 CFR Part 63.1980(g) and (h) or other District approved methods. [District Rule 3.1, §402]

39. The Permit Holder shall submit the moisture report to the District for the anaerobic non-conventional WMUs in accordance with 40 CFR 63.1980, at least once every six (6) months until such time that liquid addition has permanently ceased. Unless otherwise approved in writing by the District, the following shall apply:
    a. The first six (6) month monitoring period will begin on April 1 and end on September 30, and the report will be due by November 30; and
    b. The second six (6) month period will begin on October 1 and end on March 31, and the report will be due on May 31. [District Rule 3.1, §402]

40. Prior to beginning any landfill mining operations, the Permit Holder shall submit for approval a mining and sorting plan to the District. The Permit Holder shall only mine (e.g. excavation, reclaiming, etc.) and sort waste from the aerobic non-conventional WMU 6D-Phase 1. [District Rule 3.1, §402]

41. Prior to beginning any removal of composted organic waste, the Permit Holder shall submit for approval a composting plan to the District. The Permit Holder shall only remove composted waste from the anaerobic digester cells located in WMU 6D-Phase 2. [District Rule 3.1, §402]

42. The Permit Holder shall install and operate a biofilter that serves the anaerobic digester cell located on WMU 6D-Phase 2 during aerobic composting phase of the waste. [District Rule 3.1, §402]

43. Whenever buried solid waste is brought to the surface during the installation or preparation of wells, trenches, piping, or other equipment or when landfill solid waste is excavated or moved, the Permit Holder shall cover the excavated solid waste using fresh soil, plastic sheeting, or vapor retarding foam as necessary in order to prevent odorous emissions and to minimize the release of landfill gas. [District Rule 3.1, §402]

44. The Permit Holder shall at start-up, and at least once every fourteen (14) days thereafter, monitor the landfill gas emissions from any open faces, active mining surfaces, and/or any liquids present during the mining of a waste cell in order to determine that the total organic compound surface emission concentration limit of 500 ppmv (measured as methane) is not exceeded. [District Rule 3.1, §402]

45. The Permit Holder shall submit a Non-Methane Organic Compound (NMOC) (Tier 2) report to the District using the procedures specified in 40 CFR Part 60.754(a) at least once every twelve (12) months, except as provided in 40 CFR Part 60.757(b)(1)(ii) or 40 CFR Part 60.757(b)(3). Unless otherwise approved in writing by the District, testing shall be complete by February 28 and the report will be due by April 30. [District Rule 3.1, §402, 40 CFR Part 60.752(b)(1), and 40 CFR Part 60.757(b)(3)]

46. The District must be notified prior to any NMOC related sampling event and a protocol must be submitted for approval fourteen (14) days prior to sampling. The results of a sampling event shall be submitted to the District within sixty (60) days of the sample date. The protocol and report shall be mailed to the attention of the Supervising Air Quality Engineer. [District Rule 3.1, §402 and 40 CFR Part 60.8(d)]

47. If the estimated NMOC emission rate as reported in the annual report to the District is less than 50 Mg per year in each of the next five (5) consecutive years, the Permit Holder may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the five (5) years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the District. This estimate shall be revised at least once every five (5) years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Administrator. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate. [40 CFR Part 60.757(b)(1)(ii)]

48. Upon achieving a calculated NMOC emission rate of 50 megagrams or greater per year, the Permit Holder shall comply with the requirements of 40 CFR Part 60.752(b)(2). [District Rule 3.1, §402 and 40 CFR Part 60.752(b)(2)]

49. Prior to utilizing new or modified monitoring equipment, the Permit Holder shall submit for District approval verification procedures, which shall consider the monitoring equipment manufacturer's requirements or recommendations for installation, calibration, and start-up operation. [40 CFR 64.3(b)(2)]

50. The Permit Holder may request alternatives to the compliance measures, monitoring requirements, test methods, and procedures of Sections 95464, 95469, and 95471 of Title 17 of the California Code of Regulations by submitting a written application to the APCO. [District Rule 3.1, §402]

51. Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or:
    a. At the end of each operating day (or once every 24-hour period while the site is in continuous operation) the asbestos-containing waste material shall be covered with at least 15 centimeters (6 inches) of compacted non-asbestos-containing material or be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion used in the manner and frequency recommended by the dust suppressant manufacturer to achieve and maintain dust control (or other equally effective dust suppression agents may be used upon prior approval by the Administrator); or
    b. Use an alternative emissions control method that has received prior written approval by the U.S. EPA Administrator. [40 CFR 61.154(a), (c), and (d)]

52. Unless a natural barrier adequately deters access by the general public:
    a. Warning signs and fencing must be installed and maintained as specified in 40 CFR 61.154(b); or
    b. The Permit Holder shall cover the asbestos-containing waste material with at least 15 centimeters (6 inches) of compacted non-asbestos-containing material at the end of each operating day (or once every 24-hour period while the site is in continuous operation). [40 CFR 61.154(b)]

53. The Permit Holder shall not knowingly vent or otherwise release into the environment any refrigerant or substitute with the exception of the following:
    a. Ammonia in commercial or industrial process refrigeration or in absorption units;
    b. Hydrocarbons in industrial process refrigeration (processing of hydrocarbons);
    c. Chlorine in industrial process refrigeration (processing of chlorine and chlorine compounds);
    d. Carbon dioxide in any application;
    e. Nitrogen in any application; and
    f. Water in any application. [40 CFR 82.154(a)(1)]

54. The Permit Holder shall not dispose of appliances except for small appliances, Motor Vehicle Air Conditioner (MVAC), or MVAC-like appliances:
    a. Without observing the required practices set forth in 40 CFR 82.156; and
    b. Without using equipment that is certified for that type of appliance pursuant to 40 CFR 82.158. [40 CFR 82.154(b)]

55. The Permit Holder shall not import recycling or recovery equipment for use during the disposal of appliances except small appliances, MVACs, and MVAC-like appliances, unless the equipment is certified pursuant to 40 CFR 82.158(b) or (d), as applicable. [40 CFR 82.154(c)]

56. The Permit Holder shall not alter the design of certified refrigerant recycling or recovery equipment in a way that would affect the equipment's ability to meet the certification standard set forth in 40 CFR 82.158 without resubmitting the altered design for certification testing. Until it is tested and shown to meet the certification standards set forth in 40 CFR 82.158 such altered equipment will be considered uncertified. [40 CFR 82.154(d)]

57. The Permit Holder shall not dispose of appliances except for small appliances, MVACs, or MVAC-like appliances, unless the Permit Holder has certified to the U.S. EPA Administrator pursuant to 40 CFR 82.162 that the Permit Holder has acquired certified recovery or recycling equipment and is complying with the applicable requirements of 40 CFR 82 Subpart F. [40 CFR 82.154(e)]

58. The Permit Holder shall not recover refrigerant from small appliances, MVACs, and MVAC-like appliances for purposes of disposal of these appliances unless such person has certified to the Administrator pursuant to 40 CFR 82.162 that the Permit Holder has acquired recovery equipment that meets the standards set forth in § 82.158 (l) and/or (m), as applicable, and that such person is complying with the applicable requirements of this subpart. [40 CFR 82.154(f)]

59. The Permit Holder may not sell, distribute, or offer for sale or distribution for use as a refrigerant any class I or class II substance consisting wholly or in part of used refrigerant unless:
    a. The class I or class II substance has been reclaimed as defined in 40 CFR 82.152 by a person who has been certified as a reclaimer pursuant to 40 CFR 82.164;
    b. The class I or class II substance was used only in an MVAC or MVAC-like appliance and is to be used only in an MVAC or MVAC-like appliance and recycled in accordance with 40 CFR 82.34(d);
    c. The class I or class II substance is contained in an appliance that is sold or offered for sale together with the class I or class II substance; or
    d. The class I or class II substance is being transferred between or among a parent company and one or more of its subsidiaries, or between or among subsidiaries having the same parent company. [40 CFR 82.154(g)]

60. The Permit Holder shall not release more that 1.5% of the refrigerant received if reclaiming refrigerant. [40 CFR 82.154(i)]

61. The Permit Holder shall not sell or distribute, or offer for sale or distribution, any appliances, except small appliances, unless such equipment is equipped with a servicing aperture to facilitate the removal of refrigerant at servicing and disposal. [40 CFR 82.154(j)]

62. The Permit Holder shall not sell or distribute, or offer for sale or distribution any small appliance unless such equipment is equipped with a process stub to facilitate the removal of refrigerant at servicing and disposal. [40 CFR 82.154(k)]

63. The Permit Holder may not sell or distribute, or offer for sale or distribution, any substance that consists in whole or in part of a class I or class II substance for use as a refrigerant to any person unless:
    a. The buyer has been certified as a Type I, Type II, Type III, or Universal technician pursuant to 40 CFR 82.161;
    b. The buyer complies with 40 CFR 82.166(b) and employs at least one (1) technician who is certified as a Type I, Type II, Type III, or Universal technician in accordance with 40 CFR 82.161;
    c. The buyer has been certified in accordance with 40 CFR part 82, subpart B and the refrigerant is either R-12 or an approved substitute consisting wholly or in part of a class I or class II substance for use in motor vehicle air conditioners in accordance with 40 CFRE part 82, subpart G;
    d. The buyer complies with 40 CFR 82.166(b) and employs at least one (1) technician who is certified in accordance with 49 CFR part 82, subpart B, and the refrigerant is either R-12 or an approved substitute consisting wholly or in part of a class I or class II substance for use in motor vehicle air conditioners pursuant to 40 CFR part 82, subpart G (nothing in this provision shall be construed to relieve persons of the requirements of 40 CFR 82.34(b) or 40 CFR 82.42(b);
    e. The refrigerant is sold only for eventual resale to certified technicians or to appliance manufacturers;
    f. The refrigerant is sold to an appliance manufacturer; or
    g. The refrigerant is contained in an appliance with a fully assembled refrigerant circuit. [40 CFR 82.154(m)]

64. The Permit Holder shall not accept a signed statement pursuant to 40 CFR 82.156(f)(2) that refrigerant has been evacuated from the appliance or shipment of appliances if the Permit Holder knew or had reason to know that such a signed statement is false. [40 CFR 82.154(n)]

65. When disposing of appliances, except for small appliances, MVACs, and MVAC-like appliances the Permit Holder must evacuate the refrigerant, including all the liquid refrigerant, in the entire unit to a recovery or recycling machine certified pursuant to 40 CFR 82.158. A technician must verify that the applicable level of evacuation has been reached in the appliance before it is opened. The Permit Holder must evacuate to the levels in table 1 unless, due to leaks in the appliance, evacuation to the levels in table 1 is not attainable, or would substantially contaminate the refrigerant being recovered. If, due to leaks in the appliance, evacuation to the levels in table 1 is not attainable, or would substantially contaminate the refrigerant being recovered, persons disposing of the appliance must:
    a. Isolate leaking from non-leaking components wherever possible;
    b. Evacuate non-leaking components to the levels specified in table 1; and
    c. Evacuate leaking components to the lowest level that can be attained without substantially contaminating the refrigerant. In no case shall this level exceed 0 psig. [40 CFR 82.156(a)]

Table 1 – Required Levels of Evacuation for Appliances
(Except for small appliances, MVACs, and MVAC-like appliances)

Type of appliance	Inches of Hg vacuum (relative to standard atmospheric pressure of 29.9 inches Hg)	
	Using recovery or recycling equipment manufactured or imported before November 15, 1993	Using recovery or recycling equipment manufactured or imported on or after November 15, 1993
Very high-pressure appliance	0	0
High-pressure appliance, or isolated component of such appliance, normally containing less than 200 pounds of refrigerant	0	0
High-pressure appliance, or isolated component of such appliance, normally containing 200 pounds or more of refrigerant	4	10
Medium-pressure appliance, or isolated component of such appliance, normally containing less than 200 pounds of refrigerant	4	10
Medium-pressure appliance, or isolated component of such appliance, normally containing 200 pounds or more of refrigerant	4	15
Low-pressure appliance	25	25 mmHg absolute

66. The Permit Holder shall have at least one (1) piece of certified, self-contained recovery or recycling equipment available at the facility if disposing of appliances, except small appliances, MVACs, and MVAC-like appliances. [40 CFR 82.156(b)]

67. The Permit Holder shall not use system-dependent recovery equipment with appliances normally containing more than 15 pounds of refrigerant, unless the system-dependent equipment is permanently attached to the appliance as a pump-out unit. [40 CFR 82.156(c)]

68. The Permit Holder shall use all recovery or recycling equipment in accordance with the manufacturer's directions unless such directions conflict with the requirements of 40 CFR part 82 subpart F. [40 CFR 82.156(d)]

69. When disposing of a small appliance, room air conditioning, MVACs, or MVAC-like appliances the Permit Holder must either:
    a. Recover any remaining refrigerant from the appliance in accordance with 40 CFR 82.156(g) or (h); or

b. Verify that the refrigerant has been evacuated from the appliance or shipment of appliances previously. Such verification must include a signed statement from the person from whom the appliance or shipment of appliances is obtained that all refrigerant that had not leaked previously has been recovered from the appliance or shipment of appliances in accordance with 40 CFR 82.156(g) or (h), as applicable. This statement must include the name and address of the person who recovered the refrigerant and the date the refrigerant was recovered or a contract that refrigerant will be removed prior to delivery. If the Permit Holder will not recover any remaining refrigerant at the facility, notification must be provided (by warning signs, letters to suppliers, or other equivalent means) that refrigerant must be properly removed before delivery of the items to the facility. [40 CFR 82.156(f)]

70. When recovering refrigerant from MVACs and MVAC-like appliances prior to disposal, the Permit Holder shall reduce the system pressure to or below 102mm of mercury vacuum, using equipment that meets the standards set forth in 40 CFR 82.158(l). [40 CFR 82.156(g)]

71. When recovering refrigerant from small appliances prior to disposal, the Permit Holder shall:
    a. Recover 90% of the refrigerant in the appliance when the compressor in the appliance is operating, or 80% of the refrigerant in the appliance when the compressor in the appliance is not operating; or
    b. Evacuate the small appliance to four inches of mercury vacuum. [40 CFR 82.156(h)]

72. Equipment used to evacuate refrigerant from MVACs and MVAC-like appliances before they are disposed of must be certified in accordance with 40 CFR 82.36(a). [40 CFR 82.158(l)]

73. Equipment used to evacuate refrigerant from small appliances before they are disposed of must be capable of either:
    a. Removing 90% of the refrigerant in the small appliance when the compressor in the appliance is operating, or 80% of the refrigerant in the appliance when the compressor in the appliance is not operating, when used in accordance with the manufacturer's instructions under the conditions of appendix C of 40 CFR part 82, subpart F; or
    b. Evacuate the small appliance to four inches of mercury vacuum when tested using a properly calibrated pressure gauge. [40 CFR 82.158(m)]

74. Technicians must be certified by an approved technician certification program under the requirements of 40 CFR 82.161(a) to the following standards:
    a. Technicians who dispose of medium, high, or very high pressure appliances, except small appliances, MVACs, and MVAC-like appliances, must be properly certified as Type II technicians;
    b. Technicians who dispose of low-pressure appliances must be properly certified as Type III technicians; and

c. Apprentices are exempt from the certification requirements provided the apprentice is closely and continually supervised by a certified technician while performing any disposal that could reasonably be expected to release refrigerant from appliances into the environment. The supervising certified technician is responsible for ensuring that the apprentice complies with 40 CFR part 82, subpart F. [40 CFR 82.161(a)]

75. If a technician's certificate is revoked, the technician would need to recertify before disposing of any appliances. [40 CFR 82.161(f)]

76. The Permit Holder shall submit the following to the APCO:
   a. A diagram of the collection system showing collection system positioning including all wells, horizontal collectors, surface collectors, or other gas extraction devices, including the locations of any areas excluded from collection and the proposed sites for the future collection system expansion;
   b. The data upon which the sufficient density of wells, horizontal collectors, surface collectors, or other gas extraction devices and the gas mover equipment sizing are based;
   c. The documentation of the presence of asbestos or nondegradable material for each area from which collection wells have been excluded based on the presence of asbestos or nondegradable material;
   d. The sum of the gas generation flow rates for all areas from which collection wells have been excluded based on nonproductivity and the calculations of gas generation flow rate for each excluded area;
   e. The provisions for increasing gas mover equipment capacity with increased gas generation flow rate, if the present gas mover equipment is inadequate to move the maximum flow rate expected over the life of the landfill; and
   f. The provisions for the control of off-site migration. [District Rule 3.1, §402 and 40 CFR 60.758(d)]

77. The Permit Holder shall submit an annual report to the APCO for the period of January 1 through December 31 by March 15 of the following year. The report must contain the following information:
   a. Landfill name, owner and operator, address, and Solid Waste Information System (SWIS) identification number;
   b. Total volume of landfill gas collected (in standard cubic feet);
   c. Average composition of the landfill gas collected over the reporting period (reported in % methane and % carbon dioxide);
   d. Emission control device type, year of installation, rating, fuel type, and total amount of landfill gas combusted in each control device;
   e. The date that the GCCS was installed and in full operation;
   f. The % methane destruction efficiency of each control device;
   g. Type and amount of pilot fuels burned in each control device;
   h. Total volume of landfill gas shipped off-site, the composition of the landfill gas collected (reported in % methane and % carbon dioxide by volume), and the recipient of the gas;

i. The most recent topographic map of the site showing the areas with final cover and a geomembrane and the areas with final cover without a geomembrane with corresponding percentages over the landfill surface; and

j. Gas collection or control system downtime required to be recorded, expected gas generation flow rate, landfill surface methane concentrations required to be recorded, positive wellhead gauge pressure measurements required to be recorded, annual solid waste acceptance rate and the current amount of waste-in-place, source test results, and equipment monitoring parameters required to be recorded including periods of operation during which the parameter boundaries established during the most recent source test are exceeded. [District Rule 3.1, §402 and 40 CFR 60.758(c)]

78. The Permit Holder shall report in writing to the local, State, or EPA Regional office responsible for administering the asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) program for the waste generator (identified in the waste shipment record) and the District by the following working day if a shipment contains a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment records along with the report. [40 CFR 61.154(e)(1)(iv)]

79. The Permit Holder shall send a copy of the signed waste shipment record to the waste generator no later than 30 days after receipt of the waste. [40 CFR 61.154(e)(2)]

80. Upon discovering a discrepancy between the quantity of asbestos-containing waste designated on the waste shipment records and the quantity actually received, the Permit Holder shall attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, State, or EPA Regional office responsible for administering the asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP) program for the waste generator (identified in the waste shipment record) and the District. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report. [40 CFR 61.154(e)(3)]

81. The Permit Holder shall notify the District in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Administrator at least ten (10) working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:

a. Scheduled starting and completion dates;

b. Reason for disturbing the waste;

c. Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the District may require changes in the emission control procedures to be used; and

d. Location of any temporary storage site and the final disposal site. [40 CFR 61.154(j)]

82. The Permit Holder shall notify the District if a failure to achieve compliance with emissions limits of the landfill and/or enclosed flare for which the required monitoring did not provide an indication of an excursion or exceedance while providing valid data, or if the results of source testing document a need to modify the existing indicator ranges or designated conditions of the monitoring systems. [40 CFR 64.7(e)]

83. The Permit Holder shall submit revised monitoring system design and performance information required by 40 CFR 64.4 prior to any modification of the landfill and/or enclosed flare that qualifies a significant modification to the Title V permit. [40 CFR 64.5]

84. The Permit Holder shall perform such certifications as required in 40 CFR 82.154(e) and (f) by submitting a statement signed by the Permit Holder and setting forth:
    a. The name and address of the purchaser of the recovery or recycling equipment, including the county name;
    b. The name and address of the facility where the equipment is or will be located; and
    c. The manufacturer name, the date of manufacture, and if applicable, the model and serial number of the equipment.

    The certification must also include a statement that the equipment will be properly used in disposing of appliances and that the information given is true and correct. The certifications shall be sent to EPA Region IX; Mail Code AIR-5; 75 Hawthorne Street; San Francisco, CA 94105. [40 CFR 82.162]

85. Unless the Permit Holder has properly certified under this section prior to May 11, 2004, if reclaiming used refrigerant for sale to a new owner, the Permit Holder must certify to the Administrator that the Permit Holder will:
    a. Reprocess refrigerant to all of the specifications in Appendix A of 40 CFR part 82, subpart F that are applicable to that refrigerant;
    b. Verify that the refrigerant meets these specifications using the analytical methodology prescribed in Appendix A, which includes the primary methodologies included in the appendix to the ARI Standard 700-1995;
    c. Release no more than 1.5% of the refrigerant during the reclamation process; and
    d. Dispose of wastes from the reclamation process in accordance with all applicable laws and regulations.

    The certification must include the name and address of the reclaimer and a list of equipment used to reprocess and analyze the refrigerant. The responsible official must sign the certification stating that the facility will comply with the above operating standards, that the facility will maintain records and submit reports in accordance with 40 CFR 82.166(g) and (h), and that the information given is true and accurate. The certification should be sent to U.S. Environmental Protection Agency; Global Programs Division (6205J); 1200 Pennsylvania Avenue, NW., Washington, DC 20460; Attn: Section 608 Recycling Program Manager – Reclaimer Certification. [40 CFR 82.164(a)-(e)]

86. Certificates are not transferable. In the event of a change in ownership of an entity which reclaims refrigerant, the new Permit Holder shall certify within 30 days of the change of ownership pursuant to 40 CFR 82.164. [40 CFR 82.164(f)]

87. Failure to abide by the provisions of 40 CFR Part 82, Subpart F may result in the revocation or suspension of the refrigerant reclaimer certification of 40 CFR 82.164. The administrator (or designated representative) shall give notice of an impending suspension to the Permit Holder setting forth the facts or the conduct that provide the basis for the revocation or suspension. The Permit Holder may choose to request a hearing and must file the request in writing within 30 days of the date of the notice of revocation or suspension at Section 608 Recycling Program Manager; Global Programs Division; Mail Code 6205J, U.S. Environmental Protection Agency; 1200 Pennsylvania Avenue, NW.; Washington, DC 20460. The hearing request shall set forth the objections to the revocation or suspension and the data to support the objections. If no written request for a hearing is received within 30 days of the date of the notice, the revocation or suspension will become effective upon the date specified in the notice of an impending suspension. [40 CFR 82.169(a)-(c)]

88. Any report, or information submitted by the Permit Holder must contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under Title 17, California Code of Regulations, Sections 95460 through 95476, must state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [District Rule 3.1, §402]

89. The Permit Holder shall maintain daily records (in tons) of the total amount of MSW accepted at the landfill. [District Rule 3.1, §402]

90. The Permit Holder shall maintain daily records (in tons) of the amount of MSW placed in the anaerobic non-conventional WMUs until such time that placement has permanently ceased. [District Rule 3.1, §402]

91. The Permit Holder must maintain records of each startup, shutdown, or malfunction in the operation of the landfill gas collection system or the VOC control devices (and any periods during which a required monitoring device is inoperative) including the date and duration of the event, the actions taken, and whether or not such actions are consistent with the startup, shutdown, or malfunction plan. The Permit Holder must also maintain records of all maintenance performed on the air pollution control and monitoring equipment. [40 CFR 60.7(b), 40 CFR 63.6(b)(2)(i)-(v), 40 CFR 63.10(d)(5), and Rule 3.1, §402]

92. The Permit Holder shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. [40 CFR 60.7(f)]

93. The Permit Holder shall maintain the following records:
    a. All gas collection system downtime exceeding five (5) calendar days, including individual well shutdown and disconnection times, and the reason for the downtime;

b. All emission control system downtime in excess of one hour, the reason for the downtime, and the length of time the gas control system was shutdown;
c. Expected gas generation flow rate calculations;
d. All instantaneous landfill surface readings of 200 ppmv of methane or greater, all leaks from components under positive pressure greater than 500 ppmv (as methane), all instantaneous surface monitoring readings greater than 500 ppmv, all integrated surface monitoring readings greater than 25 ppmv, the location of the leak (or affected grid), leak concentration in ppmv, date and time of measurement, the action taken to repair the leak, date of repair, date of any required re-monitoring and the re-monitored concentration in ppmv, wind speed during surface sampling, and the installation date and location of each well installed in a GCCS expansion;
e. Records of any positive wellhead gauge pressure measurements, the date of the measurements, the well identification number, and the corrective action taken;
f. Annual solid waste acceptance rate and current amount of waste-in-place;
g. Records of the nature, location, amount, and date of deposition of non-degradable waste for any landfill areas excluded from the GCCS;
h. Results of any source tests;
i. Records describing the mitigation measures taken to prevent the release of methane or other emission into the atmosphere: when solid waste was brought to the surface during the installation or preparation of wells, piping, or other equipment; during repairs or temporary shutdown of gas collection system components; or when solid waste was excavated and moved;
j. Records of any construction activities including: a description of the actions being taken, the areas of the landfill affected by these actions, the reason the actions are required, and any landfill gas collection system components affected by these actions; construction start and finish dates, projected equipment installation dates, and projected shut down times for individual gas collection system components; a description of the mitigation measures taken to minimize methane emissions and other potential air quality impacts; and
k. Records of the emission control device operating parameters required to be monitored as well as periods of operation during which the parameter boundaries established during the most recent source test are exceeded including: all three (3) hour periods of operation during which the average flare temperature was more than 50 °F below the average combustion temperature during the most recent source test. [District Rule 3.1, §402]

94. The Permit Holder shall maintain the following records for the life of the emissions control device:
a. The control device vendor specifications;
b. The gas generation flow rate measured during the initial source tests; and
c. The percent reduction of methane achieved by the control devices during the initial source tests. [District Rule 3.1, §402]

95. The Permit Holder shall maintain records for shipments all asbestos-containing waste received including:
a. The name, address, and telephone number of the waste generator;
b. The name address, and telephone numbers of the transporter(s);

c. The quantity of asbestos-containing waste in cubic meters or cubic yards;
d. The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste not sealed in leak tight containers; and
e. The date of receipt. [40 CFR 61.154(e)(1)]

96. The Permit Holder shall maintain (until closure) records of the location, depth and area, and quantity in cubic meters or cubic yards of asbestos-containing waste within the disposal site on a map or diagram of the landfill. [40 CFR 61.154(f)]

97. The Permit Holder shall furnish upon request, and make available during normal business hours for inspection by the District, all records of asbestos waste shipments and disposal locations and quantities. [40 CFR 61.154(i)]

98. If the Permit Holder sells or distributes or offers to sell or distribute any refrigerant, the Permit Holder shall retain invoices that indicate the name of the purchaser, the date of sale, and the quantity of refrigerant purchased. [40 CFR 82.166(a)]

99. If reclaiming refrigerant, the Permit Holder shall maintain records of the names and addresses of persons sending material for reclamation and the quantity of the material (the combined mass of refrigerant and contaminants) sent for reclamation. Such records shall be maintained on a transactional basis. [40 CFR 82.166(g)]

100. If reclaiming refrigerant, the Permit Holder shall maintain records of the quantity of material sent for reclamation, the mass of refrigerant reclaimed, and the mass of waste products. The Permit Holder shall report this information to the U.S. EPA Administrator annually within 30 days of the end of the calendar year. [40 CFR 82.166(h)]

101. If disposing of small appliances, MVACs, and MVAC-like appliances the Permit Holder shall maintain copies of signed statements pursuant to 40 CFR 82.156(f)(2) that refrigerant had been evacuated prior to arriving at the facility. [40 CFR 82.166(i)]

102. Technicians certified under 40 CFR 82.161 shall keep a copy of their certificates at the facility. [40 CFR 82.166(l)]

103. The Permit Holder shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of sample collection, measurement, report, or application and these records shall be made readily available to District personnel upon request. [District Rule 3.1, §402 and District Rule 3.8, §302.6(b)]

104. Upon closure of the landfill, the Permit Holder shall comply with all the provisions of 40 CFR 61.151 and submit to the District a copy of records of asbestos waste disposal locations and quantities. [40 CFR 61.154(g) and (h)]

105. Upon closure of the landfill the GCCS may be capped or removed provided:
a. The GCCS was in operation for at least 15 years, unless the Permit Holder can demonstrate to the satisfaction of the APCO that due to declining methane rates

the landfill will be unable to operate the gas collection and control system for a 15-year period;

b. Surface methane concentration measurements do not exceed the limits specified in this permit; and

c. The Permit Holder submits an Equipment Removal Report as required by this permit. [District Rule 3.1, §402]

106. The Permit Holder shall submit a Closure Notification to the APCO within thirty (30) days of waste acceptance cessation. The Closure Notification must include the last day solid waste was accepted, the anticipated closure date of the landfill, and the estimated waste-in-place. The APCO may request additional information to confirm that the landfill has been permanently closed. [District Rule 3.1, §402 and 40 CFR 60.757(d)]

107. The Permit Holder shall submit a GCCS Equipment Removal Report to the APCO thirty (30) days prior to well capping, removal or cessation of operation of the gas collection, treatment, or control system equipment. The report must contain all of the following information:

a. A copy of the Closure Notification required by Title 17 CCR, Section 95470(b)(1);

b. A copy of the documentation demonstrating that the gas collection and control system has been installed and operated for a minimum of 15 years, unless the Permit Holder can demonstrate to the satisfaction of the APCO that due to declining methane rates the landfill is unable to operate the gas collection and control system for a 15-year period; and

c. Surface emissions monitoring results needed to verify that landfill surface methane concentrations do not exceed either the instantaneous or integrated monitoring limits. [District Rule 3.1, §402 and 40 CFR 60.757(e)]

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the Health & Safety Codes of the State of California or the Rules and Regulations of the Yolo-Solano Air Quality Management District.

Mat Ehrhardt, P.E.
AIR POLLUTION CONTROL OFFICER

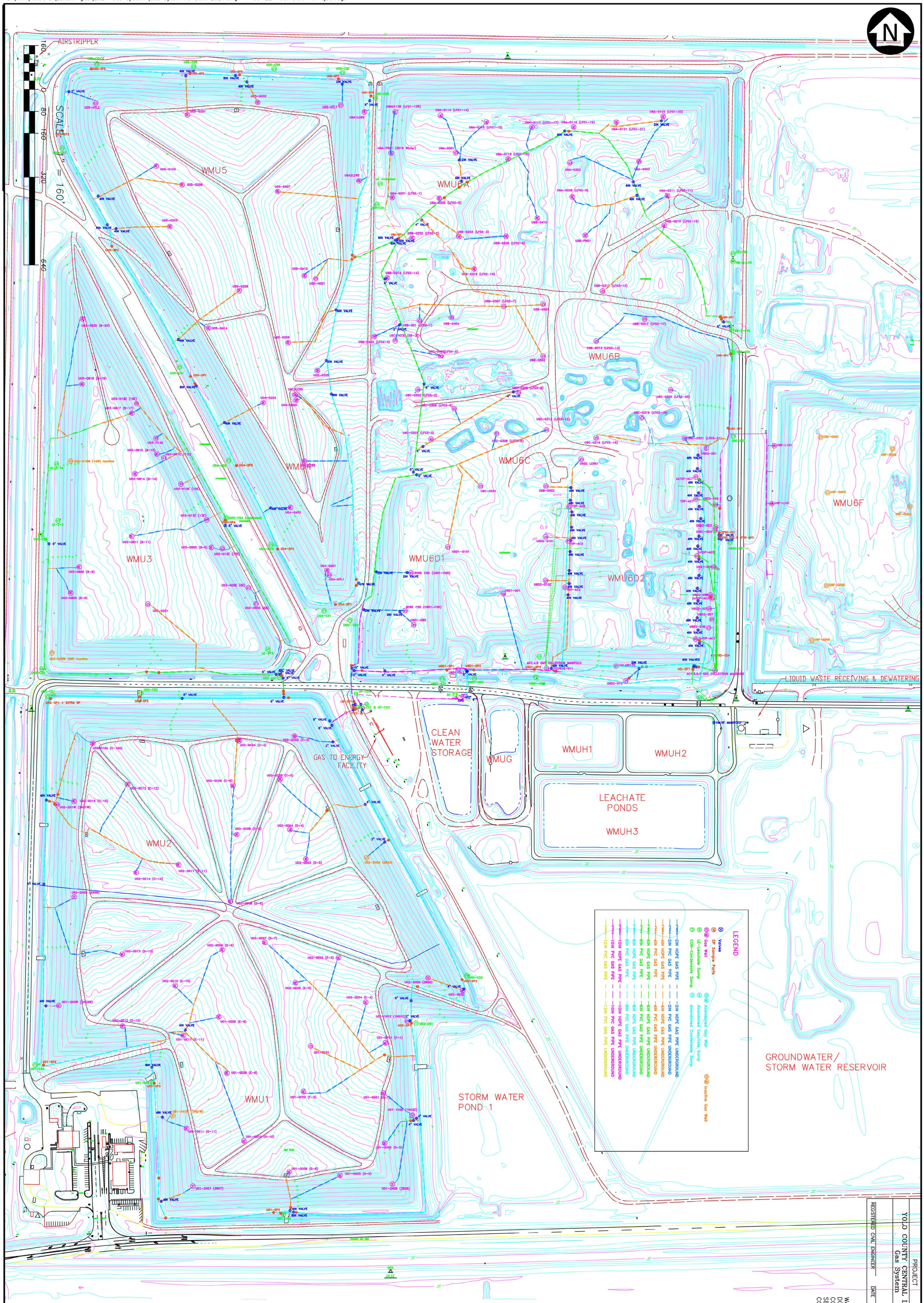
By: _____

Date of Issuance: March 15, 2021

ANNIVERSARY DATE: April 14

LO 03/15/2021

S:\WM\AutoCAD\Landfill gas\2021 Gas System\Gas Sytem As Built 2021.dwg 1-05-22 03:13:36 PM jborrego



REGISTERED CIVIL ENGINEER _____ DATE _____

WARNING: THE ORIGINAL DOCUMENTS CONTAIN A RED COLORED PROFESSIONAL SEAL AND A BLACK COLORED SIGNATURE

PROJECT: YOLO COUNTY CENTRAL LANDFILL Gas System

SHEET NUMBER: 1

TOTAL SHEETS: 1

SHEET NUMBER 1

YOLO COUNTY CENTRAL LANDFILL
Gas Collection System AS-Built
AS-Built January 3 2022 Gas Collection System

YOLO COUNTY
DEPARTMENT OF COMMUNITY SERVICES
DIVISION OF INTEGRATED WASTE MANAGEMENT
44090 County Road 28H
Woodland, CA 95776-9101
Phone: (530) 666-8852 FAX: (530) 666-8853

DESIGN BY			
DRAWN BY	BD	01/03/22	
CHECK BY	JK	MM/DD/YY	

SCALE:1"=180'

REVISIONS		APP
1.	MM/DD/YY	
2.	mm/dd/yy	
3.	mm/dd/yy	
4.	mm/dd/yy	

Yolo County Community Services Department
Work Proposal Form
(LFG O&M Services)

Type of Service: **Landfill Gas Operation and Maintenance**
Consultant Name:

Project Description: **Describe project**

County Contact Person	**TBD**			Contract Task Number:	**tbd**
Task No:		Work Order N	**9198**	Fund No:	194, 194-1
Completion Date:	**tbd**	Vendor No:	tbd	Account No:	501165

Estimated Labor, Equipment and Materials Cost Proposal (not including contingency)

Labor Classification	Projected Hours	Hourly Rate	Projected Costs

Equipment	Projected Hours	Hourly Rate	Projected Costs

Materials	Quantity	Unit Cost	Projected Costs

Total Hours	**0**	**TOTAL NOT TO EXCEED COST (excludes contingency)**	**$0.00**

Contingency - Estimated Labor, Equipment and Materials

Task Description	Projected Hours or quantity	Hourly Rate or Unit Cost	Projected Costs

Total Hours	**0**	**TOTAL CONTINGENCY COSTS**	**$0.00**

Total Contract Amount _____ Spent to Date $0.00

Scope:
Include work scope or attach Contractor proposal

_____ _____
Golder Associates Approval Date

_____ _____
Contract Manager Recommendation for Approval Date

_____ _____
County Approval Date
Director

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U01-1H1E	10/28/2021 09:23	51.10	34.60	0.00	14.30	72.10	72.00	-10.71	-5.35	3.80	4.90	-22.82	8.00	0.00	Comments:No Change,,,,,,,
U01-1H1E	11/10/2021 09:31	53.00	35.30	0.00	11.70	62.30	62.30	-7.68	-7.68	3.80	3.80	-20.77			Comments:No Change,,,,,,,
U01-1H1E	12/28/2021 08:50	51.30	33.90	0.70	14.10	55.50	55.40	-7.72	-9.32	3.10	3.10	-24.22			Comments:No Change,,,,,,,
U01-1H2E	10/28/2021 09:27	37.00	30.20	0.00	32.80	85.30	85.30	-0.27	-0.27	24.60	24.60	-22.57	7.00	0.00	Comments:No Change,,,,,,,
U01-1H2E	11/10/2021 09:35	35.10	30.10	0.00	34.80	83.20	83.20	-1.88	-1.85	20.60	20.50	-22.14			Comments:No Change,,,,,,,
U01-1H2E	12/28/2021 08:57	37.60	29.80	0.10	32.50	63.30	63.30	-6.49	-6.49	23.70	23.70	-22.45			Comments:No Change,,,,,,,
U01-2H3W	10/28/2021 08:21	53.00	36.10	0.00	10.90	89.70	90.40	-4.00	-4.08	24.20	26.30	-20.86			Comments:Increased VAC/Flow,,,,,,,
U01-2H3W	11/10/2021 08:20	52.00	35.10	0.00	12.90	89.70	89.70	-4.75	-4.74	30.20	29.80	-20.97			Comments:No Change,,,,,,,
U01-2H3W	12/28/2021 07:59	48.90	35.20	0.20	15.70	73.30	73.40	-4.61	-4.61	27.90	28.00	-20.70			Comments:No Change,,,,,,,
U01-2HG6	10/28/2021 09:35	44.00	33.30	0.00	22.70	88.20	88.30	-1.92	-1.92	21.90	20.00	-18.43			Comments:No Change,,,,,,,
U01-2HG6	11/10/2021 09:41	41.50	33.00	0.00	25.50	64.40	64.40	-2.11	-2.11	19.70	19.10	-15.07			Comments:No Change,,,,,,,
U01-2HG6	12/28/2021 09:02	40.60	31.10	0.00	28.30	58.10	58.00	-3.36	-1.70	18.00	17.40	-18.98			Comments:No Change,,,,,,,
U01-2HG7	10/28/2021 09:14	33.10	31.40	0.00	35.50	83.30	83.50	-1.02	-1.02	0.60	0.70	-22.57			Comments:No Change,Minimal valve setting,,,,,,
U01-2HG7	11/10/2021 10:03	31.30	30.10	0.00	38.60	79.20	79.40	-1.62	-1.60	1.00	1.00	-21.89			Comments:No Change,Valve 100% Closed,,,,,,
U01-2HG7	12/28/2021 09:20	29.20	27.80	0.00	43.00	59.60	59.80	-8.82	-8.82	0.00	0.60	-21.83			Comments:No Change,Valve 100% Closed,,,,,,
U01-G101	10/28/2021 09:52	48.30	34.40	0.00	17.30	87.10	87.10	-4.53	-4.50	25.80	25.60	-21.80			
U01-G101	11/10/2021 09:29	49.30	34.10	0.00	16.60	85.60	85.70	-4.96	-4.94	24.80	24.80	-21.36			
U01-G101	12/28/2021 08:54	49.80	33.20	0.00	17.00	81.60	81.70	-5.08	-5.09	26.20	26.20	-23.12			
U01-GE08	10/28/2021 08:58	50.00	33.90	0.00	16.10	104.00	104.10	-3.08	-3.08	27.60	27.70	-14.42			Comments:No Change,,,,,,,
U01-GE08	11/10/2021 10:08	52.40	33.80	0.00	13.80	103.30	103.30	-4.08	-4.07	24.10	25.80	-15.07			Comments:No Change,,,,,,,
U01-GE08	12/28/2021 09:25	55.80	34.50	0.00	9.70	101.40	101.40	-4.00	-3.96	24.00	26.10	-15.42			Comments:No Change,,,,,,,
U01-GE09	10/28/2021 09:03	49.00	34.10	0.00	16.90	88.30	88.30	-18.25	-18.02	39.80	47.50	-18.66			Comments:No Change,,,,,,,
U01-GE09	11/10/2021 10:06	51.20	34.00	0.00	14.80	87.60	87.60	-18.03	-17.66	46.00	45.80	-18.28			Comments:No Change,,,,,,,
U01-GE09	12/28/2021 09:22	51.80	33.30	0.20	14.70	83.70	83.70	-18.14	-18.14	46.40	46.40	-18.81			Comments:No Change,,,,,,,
U01-GE11	10/28/2021 13:52	47.10	31.90	0.00	21.00	83.50	83.50	-5.08	-5.03			-18.35			Comments:No Change,,,,,,,
U01-GE11	11/10/2021 10:19	43.90	31.60	0.30	24.20	76.80	76.80	-7.14	-7.14	19.90	19.40	-20.15			Comments:No Change,,,,,,,
U01-GE11	12/28/2021 09:35	43.00	30.30	0.40	26.30	68.60	69.00	-6.96	-6.95	34.80	29.50	-19.98			Comments:No Change,,,,,,,
U01-GE12	10/28/2021 08:14	57.50	31.00	0.10	11.40	85.10	86.20	-0.54	-0.45	19.30	15.50	-21.04	5.00	0.00	Comments:Increased VAC/Flow,,,,,,,
U01-GE12	11/10/2021 08:12	37.30	30.30	0.00	32.40	89.80	89.80	-3.47	-3.45	21.90	21.70	-20.81			Comments:No Change,,,,,,,
U01-GE12	12/28/2021 07:53	29.50	27.70	0.30	42.50	82.80	82.80	-3.31	-3.31	22.00	22.00	-21.39			Comments:No Change,,,,,,,
U01-GF01	10/28/2021 09:47	29.90	27.80	0.00	42.30	87.60	87.80	-0.91	-0.88	25.00	16.40	-21.86	5.00	0.00	Comments:No Change,,,,,,,
U01-GF01	11/10/2021 09:46	25.90	26.90	0.00	47.20	88.20	87.40	-1.34	-1.21	10.60	9.60	-20.01			Comments:Decreased VAC/Flow,,,,,,,
U01-GF01	12/28/2021 09:07	34.40	28.90	0.00	36.70	79.50	79.60	-1.18	-1.19	8.10	8.10	-23.14			Comments:No Change,,,,,,,
U01-GF03	10/28/2021 09:48	62.70	37.30	0.00	0.00	85.70	85.70	-17.38	-17.36	25.90	28.10	-20.97			Comments:No Change,Valve 100% Open,,,,,,
U01-GF03	11/10/2021 09:33	62.80	37.20	0.00	0.00	83.40	83.40	-17.29	-17.30	26.90	27.90	-20.81			Comments:No Change,Valve 100% Open,,,,,,
U01-GF03	12/28/2021 08:57	62.20	37.80	0.00	0.00	74.90	74.90	-18.74	-18.74	27.20	27.20	-22.10			Comments:No Change,Valve 100% Open,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U01-GG01	10/28/2021 09:45	16.30	23.40	0.00	60.30	79.80	81.30	-1.83	-0.83	21.10	20.70	-18.52	5.00	0.00	Comments:No Change,Minimal valve setting,,,,,,
U01-GG01	11/10/2021 09:46	14.00	23.50	0.00	62.50	80.20	80.20	-0.93	-0.93	18.70	18.70	-21.64			Comments:No Change,,,,,,,
U01-GG01	12/28/2021 09:11	13.00	23.00	0.00	64.00	70.70	70.80	-0.96	-0.96	9.90	9.50	-22.33			Comments:No Change,,,,,,,
U01-GG03	10/28/2021 09:42	13.80	20.50	1.90	63.80	88.10	88.10	-0.58	-0.56	6.90	6.20	-22.40			Comments:No Change,Minimal valve setting,,,,,,
U01-GG03	11/10/2021 09:43	13.30	20.00	1.90	64.80	82.80	82.90	-0.87	-0.88	25.00	13.10	-21.68			Comments:No Change,,,,,,,
U01-GG03	12/28/2021 08:59	13.60	19.70	2.40	64.30	75.20	75.50	-0.61	-0.61	25.80	17.50	-23.14			Comments:No Change,,,,,,,
U01-GG05	10/8/2021 08:47	28.00	20.60	7.20	44.20	81.40	81.60	-1.39	-1.39	6.40	5.40	-18.54			Comments:No Change,Minimal valve setting,,,,,,
U01-GG05	10/28/2021 09:28	35.20	26.80	1.60	36.40	89.10	88.40	-1.28	-1.06	4.40		-15.32			Comments:Decreased VAC/Flow,,,,,,,
U01-GG05	11/10/2021 09:52	31.10	25.30	2.10	41.50	73.20	73.40	-1.29	-1.29	15.60	14.20	-7.48			Comments:No Change,Minimal valve setting,,,,,,
U01-GG05	12/28/2021 09:07	45.40	29.40	0.10	25.10	50.20	50.20	-1.14	-1.14	26.50	26.50	-5.21			Comments:No Change,,,,,,,
U01-GG08	10/28/2021 09:21	33.40	28.80	0.00	37.80	80.60	80.50	-8.16	-6.70	2.60	2.60	-22.89			Comments:Minimal valve setting,Decreased VAC/Flow,,,,,,
U01-GG08	11/10/2021 09:57	30.30	28.00	0.00	41.70	75.80	75.80	-7.18	-7.16	1.20	1.40	-22.34			Comments:No Change,Valve 100% Closed,,,,,,
U01-GG08	12/28/2021 09:10	32.30	28.30	0.00	39.40	63.60	63.60	-5.95	-5.95	1.50	1.50	-21.74			Comments:No Change,,,,,,,
U01-GG10	10/28/2021 09:08	47.00	33.40	0.00	19.60	88.20	88.20	-0.82	-0.81	12.40	10.70	-18.41			Comments:No Change,,,,,,,
U01-GG10	11/10/2021 10:03	44.30	32.70	0.00	23.00	86.40	86.50	-1.31	-1.30	27.90	14.50	-13.12			Comments:No Change,,,,,,,
U01-GG10	12/28/2021 09:19	46.00	33.30	0.00	20.70	79.80	79.90	-1.13	-1.12	27.20	16.90	-14.73			Comments:No Change,,,,,,,
U01-GG11	10/28/2021 10:14	29.30	27.50	0.30	42.90	86.50	86.50	-1.17	-1.19	14.60	10.50	-20.59			Comments:No Change,Minimal valve setting,,,,,,
U01-GG11	11/10/2021 10:09	24.00	25.70	1.20	49.10	83.00	81.90	-1.45	-1.27	10.40	8.60	-21.83			Comments:Decreased VAC/Flow,,,,,,,
U01-GG11	12/28/2021 09:25	27.60	27.30	0.00	45.10	72.70	72.80	-1.15	-1.16	7.90	7.80	-21.56			Comments:No Change,,,,,,,
U02-2H1W	10/28/2021 08:31	51.70	30.70	0.00	17.60	95.40	95.60	-16.10	-17.32	8.90	6.50	-23.28			Comments:No Change,Valve 100% Open,,,,,,
U02-2H1W	11/10/2021 08:34	47.50	30.00	0.00	22.50	94.90	94.90	-18.64	-20.65	6.50	5.40	-22.76			Comments:No Change,Valve 100% Open,,,,,,
U02-2H1W	12/28/2021 08:11	46.40	30.20	0.00	23.40	89.30	89.30	-21.27	-19.77	7.10	7.70	-25.29			Comments:No Change,Valve 100% Open,,,,,,
U02-2HG5	10/28/2021 09:07	24.40	27.20	0.00	48.40	63.80	63.70	-0.11	-0.11	3.10	3.10	-21.62	61.00	0.00	Comments:No Change,,,,,,,
U02-2HG5	11/10/2021 09:21	22.20	26.40	0.00	51.40	60.40	60.40	-1.75	-1.73	0.00	0.00	-23.20			Comments:No Change,,,,,,,
U02-2HG5	12/28/2021 08:42	20.60	24.50	0.00	54.90	47.90	47.90	-2.86	-2.85	0.00	0.50	-24.09			Comments:No Change,,,,,,,
U02-2HG9	10/28/2021 08:27	46.80	32.10	0.00	21.10	95.70	95.90	-3.95	-3.80	49.00	46.40	-16.29			Comments:Decreased VAC/Flow,,,,,,,
U02-2HG9	11/10/2021 08:28	44.80	31.20	0.00	24.00	94.90	95.10	-3.98	-3.83	45.60	42.30	-16.50			Comments:Decreased VAC/Flow,,,,,,,
U02-2HG9	12/28/2021 08:01	47.00	30.60	0.00	22.40	84.00	84.00	-4.27	-4.27	51.40	51.40	-18.26			Comments:No Change,,,,,,,
U02-GC03	10/28/2021 09:02	19.00	24.30	0.00	56.70	91.00	91.10	-0.47	-0.45	32.40	26.70	-0.43	6.00	0.00	Comments:No Change,,,,,,,
U02-GC03	11/10/2021 09:02	23.20	24.90	0.00	51.90	87.00	87.00	-0.40	-0.40	61.10	60.80	-0.45			Comments:No Change,,,,,,,
U02-GC03	12/28/2021 08:22	35.30	28.20	0.00	36.50	79.30	79.40	-1.40	-1.39	54.30	54.40	-1.06			Comments:No Change,,,,,,,
U02-GC04	10/28/2021 08:48	34.00	27.80	0.20	38.00	83.50	83.50	-1.03	-1.03	23.50	23.50	-25.38	6.00	0.00	Comments:Minimal valve setting,,,,,,,
U02-GC04	11/10/2021 08:47	38.40	29.20	0.00	32.40	80.10	80.10	-0.93	-0.93			-23.53			Comments:No Change,,,,,,,
U02-GC04	12/28/2021 08:21	38.00	29.30	0.10	32.60	69.70	69.90	-1.41	-1.40	20.90		-23.69			Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U02-GC05	10/28/2021 08:59	43.90	27.20	2.70	26.20	92.70	92.70	-1.09	-1.07	26.30	17.20	-23.99	8.00	0.00	Comments:No Change,,,,,,,
U02-GC05	11/10/2021 09:07	32.70	22.70	5.70	38.90	93.00	92.00	-1.55	-1.32	9.00	7.00	-23.96			Comments:Decreased VAC/Flow,,,,,,,
U02-GC05	11/10/2021 09:09	31.00	21.60	6.60	40.80	88.60	88.10	-1.30	-1.32	8.80	8.60	-23.72			Comments:No Change,,,,,,,
U02-GC05	11/23/2021 10:57	39.70	24.80	4.20	31.30	90.80	90.80	-1.33	-1.33	25.00	25.00	-22.09			Comments:No Change,Minimal valve setting,,,,,,
U02-GC05	12/28/2021 08:26	44.10	28.00	1.70	26.20	69.20	69.60	-2.01	-2.00	7.00	7.30	-25.42			Comments:No Change,,,,,,,
U02-GC06	10/28/2021 08:52	57.70	35.00	0.00	7.30	84.50	84.60	-23.83	-24.31	14.80	15.10	-23.47	6.00	0.00	Comments:Valve 100% Open,,,,,,,
U02-GC06	11/10/2021 08:50	59.80	35.30	0.00	4.90	74.60	74.60	-23.81	-23.81	7.80	7.80	-23.50			Comments:Valve 100% Open,,,,,,,
U02-GC06	12/28/2021 08:24	56.80	34.80	0.00	8.40	75.50	75.60	-25.73	-23.31	32.30	17.30	-17.61			Comments:No Change,,,,,,,
U02-GC08	10/28/2021 08:46	48.90	24.50	4.90	21.70	63.90	63.90	-9.71	-9.71	27.70	21.90	-22.96	5.00	0.00	Comments:No Change,,,,,,,
U02-GC08	11/10/2021 08:53	55.90	32.80	0.50	10.80	82.80	83.40	-2.26	-2.75	11.90	13.00	-18.61			Comments:Increased VAC/Flow,,,,,,,
U02-GC08	12/28/2021 08:27	54.80	33.30	0.00	11.90	80.20	80.30	-4.04	-4.02	27.30	26.50	-22.74			Comments:No Change,,,,,,,
U02GC10A	10/28/2021 08:37	49.90	27.50	0.20	22.40	78.50	78.50	-22.19	-22.19	2.70	2.70	-20.50	6.00	0.00	Comments:No Change,,,,,,,
U02GC10A	11/10/2021 08:40	51.30	27.40	1.00	20.30	77.60	77.70	-21.70	-21.67	2.10	2.60	-22.20			Comments:No Change,,,,,,,
U02GC10A	12/28/2021 08:16	44.70	29.50	0.00	25.80	73.60	73.80	-24.41	-24.45	2.30	3.00	-25.18			Comments:No Change,Valve 100% Open,,,,,,
U02-GC12	10/28/2021 08:30	38.90	20.40	7.50	33.20	63.20	63.20	-0.44	-0.44	16.40	16.40	-22.26	6.00	0.00	Comments:Minimal valve setting,,,,,,,
U02-GC12	10/28/2021 08:33	30.00	14.40	11.00	44.60	65.00	65.00	-0.64	-0.61	24.00	12.40	-22.19	5.00	0.00	
U02-GC12	11/10/2021 08:38	47.30	25.90	4.90	21.90	58.70	58.60	-0.76	-0.76	38.00	37.80	-22.05			Comments:No Change,,,,,,,
U02-GC12	12/28/2021 08:13	7.60	4.70	19.90	67.80	44.30	44.30	-1.10	-1.10	16.80	16.80	-25.23			Comments:No Change,Minimal valve setting,,,,,,
U02-GC12	12/28/2021 08:15	14.70	8.10	17.00	60.20	43.90	44.00	-1.13	-1.13	30.60	16.20	-25.20			
U02-GC14	10/28/2021 08:25	39.40	23.80	7.30	29.50	56.90	56.90	-20.11	-22.20	1.10	0.00	-21.96	6.00	0.00	Comments:Minimal valve setting,,,,,,,
U02-GC14	10/28/2021 13:59	52.90	29.60	2.50	15.00	84.60	84.70	-19.99	-19.78	1.00	0.30	-18.42			Comments:No Change,,,,,,,
U02-GC14	11/10/2021 08:27	43.40	25.30	5.80	25.50	56.80	56.80	-19.95	-19.96	0.00	0.00	-22.20			Comments:No Change,Minimal valve setting,,,,,,
U02-GC14	11/10/2021 08:28	49.10	27.80	3.80	19.30	56.80	56.80	-22.32	-22.32	0.00	0.00	-19.00			Comments:No Change,,,,,,,
U02-GC14	12/28/2021 08:06	45.50	26.20	4.30	24.00	36.90	36.90	-25.13	-22.62	0.00	0.00	-24.76			Comments:No Change,Minimal valve setting,,,,,,
U02-GC16	10/28/2021 08:35	49.40	31.10	0.00	19.50	92.20	92.30	-4.50	-4.46	3.60	3.20	-20.57			Comments:No Change,,,,,,,
U02-GC16	11/10/2021 08:39	45.50	30.10	0.00	24.40	90.80	90.70	-4.34	-3.89	13.20	4.20	-22.69			Comments:Decreased VAC/Flow,,,,,,,
U02-GC16	12/28/2021 08:07	51.30	31.50	0.00	17.20	66.30	66.40	-4.42	-4.43	0.00	1.50	-25.42			Comments:No Change,,,,,,,
U02-GD03	10/8/2021 08:40	68.10	31.80	0.10	0.00	79.80	80.80	-0.33	-0.90	11.30	12.20	-22.78			Comments:Increased VAC/Flow,,,,,,,
U02-GD03	11/10/2021 09:03	66.20	33.10	0.60	0.10	68.90	69.50	-23.41	-24.26	7.40	6.50	-24.12			Comments:Valve 100% Open,,,,,,,
U02-GD03	12/28/2021 08:33	65.90	33.90	0.20	0.00	52.60	52.60	-25.79	-25.77	5.00	5.00	-26.09			Comments:No Change,,,,,,,
U02-GD04	10/8/2021 08:35	22.50	13.00	12.80	51.70	75.20	75.20	-15.83	-15.76	34.80	23.40	-23.80			Comments:No Change,Minimal valve setting,,,,,,
U02-GD04	11/10/2021 09:07	53.10	31.80	0.00	15.10	71.10	71.10	-15.01	-15.00	6.40	6.40	-24.13			Comments:No Change,,,,,,,
U02-GD04	12/28/2021 08:29	43.20	31.40	0.00	25.40	51.50	51.60	-17.32	-17.31	7.80	7.60	-25.34			Comments:No Change,,,,,,,
U02-GD07	10/28/2021 10:02	60.10	35.50	0.20	4.20	79.20	79.30	-20.46	-20.46	18.90	18.60	-20.47	6.00	0.00	Comments:Valve 100% Open,,,,,,,
U02-GD07	11/10/2021 09:18	63.70	35.60	0.00	0.70	80.20	80.30	-20.55	-20.60	9.90	8.20	-20.52			Comments:No Change,Valve 100% Open,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U02-GD07	12/28/2021 08:46	62.70	36.00	0.00	1.30	63.90	64.00	-22.65	-22.65	1.50	1.90	-22.58			Comments:No Change,,,,,,,
U02-GD08	10/28/2021 08:55	45.40	28.60	3.10	22.90	84.70	84.70	-1.81	-1.77	44.60	27.80	-22.30	7.00	0.00	Comments:No Change,,,,,,,
U02-GD08	11/10/2021 08:59	47.30	24.20	4.90	23.60	57.80	57.90	-4.84	-4.82	2.20	4.10	-20.15			Comments:No Change,,,,,,,
U02-GD08	12/28/2021 08:33	51.10	24.90	4.90	19.10	46.40	46.40	-7.86	-7.87	20.00	20.30	-22.93			Comments:No Change,,,,,,,
U02-GD09	10/28/2021 08:48	60.50	36.50	1.00	2.00	86.80	86.80	-18.71	-18.75	12.20	12.00	-18.81			Comments:No Change,Valve 100% Open,,,,,,
U02-GD09	11/10/2021 10:10	63.00	37.00	0.00	0.00	84.80	84.80	-18.67	-18.64	23.10	23.10	-18.63			Comments:No Change,Valve 100% Open,,,,,,
U02-GD09	12/28/2021 09:28	57.00	35.60	1.70	5.70	80.40	80.50	-18.88	-18.87			-17.96			Comments:No Change,,,,,,,
U02-GD11	10/28/2021 08:41	57.50	33.20	0.00	9.30	90.90	90.90	-19.09	-18.21	30.00	24.20	-17.95			Comments:No Change,Valve 100% Open,,,,,,
U02-GD11	11/10/2021 08:32	57.70	33.60	0.00	8.70	90.70	90.60	-18.88	-18.88	25.30	25.40	-17.35			Comments:Valve 100% Open,,,,,,,
U02-GD11	12/28/2021 08:09	56.30	34.00	0.00	9.70	88.30	88.30	-21.49	-21.49	38.70	38.70	-21.61			Comments:No Change,,,,,,,
U02-GD13	10/8/2021 08:26	25.90	17.10	11.60	45.40	84.20	84.30	-1.86	-1.70	14.10	10.80	-20.61			Comments:Minimal valve setting,Decreased VAC/Flow,,,,,,
U02-GD13	10/28/2021 08:20	59.50	36.80	0.00	3.70	90.50	91.00	-1.46	-1.58	16.50	13.10	-19.76	7.00	0.00	Comments:Increased VAC/Flow,,,,,,,
U02-GD13	11/10/2021 08:20	60.50	36.40	0.00	3.10	90.30	90.80	-4.79	-5.96	22.90	22.10	-17.31			Comments:Increased VAC/Flow,,,,,,,
U02-GD13	12/28/2021 07:59	48.30	33.30	0.80	17.60	81.20	81.50	-9.17	-9.13	19.80	20.00	-21.26			Comments:No Change,,,,,,,
U02-GE03	10/28/2021 09:53	47.20	32.50	0.10	20.20	90.40	90.40	-15.35	-15.33	36.70	36.50	-15.53	7.00	0.00	Comments:Valve 100% Open,,,,,,,
U02-GE03	11/10/2021 09:17	50.10	33.90	0.00	16.00	92.10	92.10	-16.70	-16.70	37.10	37.00	-16.73			Comments:No Change,,,,,,,
U02-GE03	12/28/2021 08:42	46.80	31.70	0.70	20.80	77.80	77.80	-22.34	-22.35	12.10	11.90	-22.35			Comments:No Change,,,,,,,
U02-GE04	10/28/2021 09:50	52.00	35.30	0.00	12.70	85.90	86.10	-1.40	-0.91	27.30	16.40	-20.74	7.00	0.00	Comments:No Change,,,,,,,
U02-GE04	11/10/2021 09:38	50.80	34.80	0.00	14.40	86.80	86.80	-1.61	-1.61	8.80	8.50	-21.10			Comments:No Change,,,,,,,
U02-GE04	12/28/2021 09:03	55.40	35.90	0.20	8.50	76.30	76.40	-1.50	-1.49	34.70	34.70	-23.20			Comments:No Change,,,,,,,
U02-GE05	10/28/2021 10:08	48.80	32.30	1.20	17.70	98.80	99.00	-21.33	-21.35	6.80	6.10	-20.79			Comments:No Change,,,,,,,
U02-GE05	11/10/2021 09:24	47.60	32.50	0.80	19.10	94.50	94.30	-20.85	-20.83	6.80	6.60	-18.66			Comments:No Change,,,,,,,
U02-GE05	12/28/2021 08:50	50.30	33.50	0.20	16.00	76.50	73.80	-22.91	-22.93	7.90		-23.05			Comments:No Change,,,,,,,
U02-GE10	10/28/2021 08:53	56.40	27.80	3.40	12.40	73.60	73.40	-20.25	-20.21	8.00	3.30	-20.10			Comments:No Change,Valve 100% Open,,,,,,
U02-GE10	11/10/2021 10:15	41.40	21.90	7.50	29.20	61.00	61.10	-19.91	-19.75	18.80	14.30	-19.53			Comments:Minimal valve setting,Decreased VAC/Flow,,,,,,
U02-GE10	11/10/2021 10:16	37.30	20.30	8.60	33.80	61.30	61.30	-18.15	-18.14	19.60	19.20	-19.79			
U02-GE10	11/23/2021 10:51	44.20	22.60	7.30	25.90	56.40	56.50	-16.55	-16.48	20.90	9.20	-17.78			Comments:Minimal valve setting,Decreased VAC/Flow,,,,,,
U02-GE10	11/23/2021 10:52	39.50	20.70	8.80	31.00	56.30	56.30	-15.49	-15.49	20.10	20.10	-17.77			
U02-GE10	12/28/2021 09:31	40.30	21.90	7.90	29.90	46.30	46.30	-12.42	-12.35	21.20	8.90	-19.98			Comments:No Change,,,,,,,
U02-GE10	12/28/2021 09:33	37.10	20.50	8.80	33.60	47.20	47.20	-10.79	-10.79	22.00	22.00	-19.85			Comments:No Change,,,,,,,
U03-G201	10/8/2021 09:21	27.10	24.40	0.20	48.30	84.20	84.30	-0.41	-0.39	6.00	6.00	-1.35			
U03-G201	11/10/2021 09:06	22.10	23.70	0.30	53.90	86.90	87.00	-2.42	-2.41	10.40	12.70	-2.41	10.00	0.00	
U03-G201	12/28/2021 09:10	21.60	23.40	0.10	54.90	82.10	82.30	-0.42	-0.41	4.90	6.10	-1.68			
U03-GB05	10/8/2021 09:11	38.60	28.50	0.00	32.90	79.10	79.20	-0.57	-0.54	11.00	11.00	-0.47			Comments:No Change,Valve 100% Open,,,,,,
U03-GB05	11/10/2021 08:16	36.20	26.90	0.40	36.50	71.50	71.50	-3.94	-3.93	14.50	14.30	-3.49	9.00	0.00	Comments:No Change,,,,,,,
U03-GB05	12/28/2021 08:03	2.50	2.50	19.50	75.50	41.50	41.40	-0.22	-0.06	47.80	59.30	-0.17			Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U03-GB05	12/28/2021 08:04	2.10	2.40	19.60	75.90	41.40	41.40	-0.07	-0.06	27.20	21.70	-0.05			Comments:No Change,,,,,,,
U03-GB08	10/28/2021 08:58	25.60	22.40	0.00	52.00	64.20	64.30	-0.99	-0.98	22.30	22.20	-0.97	11.00	0.00	Comments:No Change,,,,,,,
U03-GB08	11/10/2021 08:59	22.10	21.80	0.10	56.00	66.00	66.20	-4.15	-4.16	47.60	42.90	-4.15	8.00	0.00	Comments:No Change,,,,,,,
U03-GB08	12/28/2021 09:17	1.00	1.30	19.20	78.50	40.80	40.90	-0.48	-0.47	32.60	32.70	-0.47			Comments:Decreased VAC/Flow,,,,,,,
U03-GB08	12/28/2021 09:18	1.10	1.60	19.10	78.20	41.40	41.50	-0.33	-0.35	33.00	33.20	-0.35			Comments:No Change,,,,,,,
B-9	10/8/2021 09:27	21.80	23.90	0.00	54.30	77.20	77.20	-1.05	-1.05	25.40	25.80	-0.83			Comments:No Change,,,,,,,
B-9	11/10/2021 09:01	16.70	23.20	0.10	60.00	77.20	77.30	-3.89	-3.85	125.30	122.80	-3.85	12.00	0.00	Comments:No Change,,,,,,,
B-9	12/28/2021 09:14	6.90	4.20	16.90	72.00	41.90	41.90	-0.52	-0.52	31.80	31.90	-0.52			Comments:Decreased VAC/Flow,,,,,,,
B-9	12/28/2021 09:15	7.40	4.10	17.10	71.40	42.30	42.30	-0.60	-0.60	31.80	32.40	-0.60			Comments:No Change,,,,,,,
U03-GB11	10/28/2021 08:49	15.60	15.90	4.70	63.80	63.30	63.40	-0.57	-0.57	14.90	14.90	-0.56	10.00	0.00	
U03-GB11	11/10/2021 08:54	0.10	1.60	18.90	79.40	56.70	56.70	-2.68	-2.68	14.50	14.40	-2.67	7.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U03-GB11	11/10/2021 08:55	0.00	0.90	19.60	79.50	57.20	57.20	-2.65	-2.65	15.30	15.10	-2.65	7.00	0.00	Comments:No Change,,,,,,,
U03-GB11	11/23/2021 10:37	0.40	2.40	16.90	80.30	61.20	61.10	-1.85	-1.83	15.10	14.30	-3.11			Comments:No Change,Minimal valve setting,,,,,,
U03-GB11	11/23/2021 10:38	0.20	0.30	19.60	79.90	56.10	56.10	-1.90	-1.88	20.40	20.10	-3.07			
U03-GB11	12/28/2021 09:21	3.70	6.50	12.60	77.20	41.30	41.40	-0.43	-0.44	2.70	2.20	-0.44			Comments:Decreased VAC/Flow,,,,,,,
U03-GB11	12/28/2021 09:22	4.50	7.70	11.30	76.50	42.80	42.80	-0.49	-0.48	21.80	21.60	-0.46			Comments:No Change,,,,,,,
B-14	10/28/2021 08:45	40.70	28.20	0.10	31.00	70.90	70.90	-1.14	-1.13	14.30	14.30	-1.11	12.00	0.00	Comments:No Change,,,,,,,
B-14	11/10/2021 08:51	38.10	28.50	0.00	33.40	73.60	73.60	-4.18	-4.18	14.90	14.90	-4.20	8.00	0.00	Comments:No Change,,,,,,,
B-14	12/28/2021 09:25	0.10	0.50	20.20	79.20	41.00	41.10	-0.41	-0.43	30.30	30.30	-0.43			Comments:Decreased VAC/Flow,,,,,,,
B-14	12/28/2021 09:26	0.10	0.40	20.60	78.90	42.30	42.40	-0.39	-0.39	26.80	26.80	-0.40			Comments:No Change,,,,,,,
U03-GB15	10/28/2021 08:25	58.70	27.90	0.00	13.40	63.90	64.00	-0.22	-0.23	17.30	17.70	-0.25	9.00	0.00	Comments:No Change,,,,,,,
U03-GB15	11/10/2021 08:30	51.70	28.40	0.00	19.90	63.60	63.70	-4.18	-3.73	29.30		-3.73	10.00	0.00	Comments:No Change,,,,,,,
U03-GB15	12/28/2021 12:29	58.50	36.20	0.70	4.60	48.10	47.90	-0.61	-0.77	46.90	51.70	-0.77			Comments:No Change,,,,,,,
U03-GB17	10/28/2021 08:16	32.10	26.80	0.20	40.90	70.10	70.60	-0.79	-0.75	14.10	14.00	-0.75	9.00	0.00	Comments:No Change,,,,,,,
U03-GB17	11/10/2021 08:37	30.10	27.00	0.20	42.70	73.10	73.10	-4.13	-4.15	15.80	15.90	-4.13	11.00	0.00	Comments:No Change,,,,,,,
U03-GB17	12/28/2021 08:34	0.00	0.20	21.00	78.80	64.20	64.20	-0.40	-0.37	6.20	6.30	-0.36			Comments:Increased VAC/Flow,,,,,,,
U03-GB17	12/28/2021 08:34	0.00	0.20	21.00	78.80	64.70	64.80	-0.31	-0.31	4.10	4.10	-0.30			Comments:No Change,,,,,,,
B-18	10/28/2021 09:03	45.90	24.60	0.50	29.00	68.30	68.50	-1.18	-1.18	17.10	16.90	-1.17	12.00	0.00	Comments:No Change,,,,,,,
B-18	11/10/2021 08:45	44.30	25.90	0.20	29.60	68.80	69.20	-5.79	-6.41		18.70	-6.42	7.00	0.00	Comments:No Change,,,,,,,
B-18	12/28/2021 08:24	70.00	29.50	0.40	0.10	66.40	66.40	-1.56	-1.57	82.90	86.90	-1.14			Comments:No Change,,,,,,,
B-20	10/28/2021 09:06	34.20	24.20	1.10	40.50	64.40	64.40	-1.82	-1.37	93.40	84.60	-1.49	17.00	0.00	Comments:No Change,,,,,,,
B-20	11/10/2021 08:42	33.70	26.00	0.20	40.10	56.30	56.40	-6.07	-6.08	17.50	16.50	-6.57	11.00	0.00	Comments:No Change,,,,,,,
B-20	12/28/2021 09:32	35.20	11.60	10.40	42.80	43.20	43.30	-0.49	-0.49	33.70	33.80	-0.48			Comments:Decreased VAC/Flow,,,,,,,
B-20	12/28/2021 09:33	35.30	11.70	10.10	42.90	43.70	43.70	-0.39	-0.39	31.80	31.80	-0.40			Comments:No Change,,,,,,,
U03-H05E	10/8/2021 08:58	0.00	0.20	20.90	78.90	59.60	59.60	-0.58	-0.58	0.00	0.00	-1.04			Comments:No Change,Minimal valve setting,,,,,,
U03-H05E	11/10/2021 08:06	0.00	0.30	19.30	80.40	57.20	57.20	-2.16	-2.16	0.00	0.00	-2.15	4.00	0.00	Comments:No Change,,,,,,,
U03-H05E	11/10/2021 08:08	0.00	0.20	19.40	80.40	57.30	57.40	-2.08	-2.09	0.00	0.00	-2.09	5.00	0.00	

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U03-H05E	12/28/2021 07:50	5.40	10.90	12.30	71.40	34.20	34.20	-0.03	-0.05	0.20	0.00	-0.49			Comments:Decreased VAC/Flow,,,,,,,
U03-H05E	12/28/2021 07:51	0.40	1.20	19.70	78.70	36.40	36.40	-0.37	-0.35	0.10	0.20	-0.35			Comments:No Change,,,,,,,
U03-H06E	10/8/2021 09:02	19.90	21.30	0.10	58.70	60.50	60.40	-0.78	-0.77	0.50	0.50	-1.62			Comments:No Change,Minimal valve setting,,,,,,
U03-H06E	11/10/2021 08:10	15.60	20.30	0.20	63.90	61.60	61.70	-2.17	-2.17	0.00	0.00	-2.16	7.00	0.00	Comments:No Change,,,,,,,
U03-H06E	12/28/2021 07:55	14.00	19.10	4.80	62.10	77.80	77.90	-0.36	-0.37	0.30	0.30	-0.37			
U03-H10E	10/28/2021 08:32	22.40	16.40	7.40	53.80	74.70	74.80	-0.51	-0.51	12.80	12.80	-0.52	19.00	0.00	Comments:Increased VAC/Flow,,,,,,,
U03-H10E	10/28/2021 08:33	23.40	16.90	7.00	52.70	75.50	75.50	-0.59	-0.58	14.80	14.70	-0.58	20.00	0.00	Comments:No Change,,,,,,,
U03-H10E	11/10/2021 08:23	13.40	10.10	12.10	64.40	74.10	74.20	-2.97	-2.97	13.20	13.00	-2.97	8.00	0.00	Comments:Minimal valve setting,,,,,,,
U03-H10E	11/10/2021 08:24	13.40	10.10	12.10	64.40	74.70	74.70	-2.97	-2.97	14.60	15.10	-2.96	9.00	0.00	Comments:No Change,,,,,,,
U03-H10E	12/28/2021 08:16	0.00	0.10	20.90	79.00	60.00	60.40	-0.07	-0.11	33.70	33.60	-0.12			Comments:Decreased VAC/Flow,,,,,,,
U03-H10E	12/28/2021 08:17	0.00	0.10	20.90	79.00	64.20	64.20	-0.10	-0.11	20.40	20.90	-0.10			Comments:No Change,,,,,,,
U03-H11E	10/28/2021 08:28	40.60	25.60	0.70	33.10	59.40	59.40	-0.36	-0.36	0.00	0.00	-0.77	9.00	0.00	Comments:No Change,,,,,,,
U03-H11E	11/10/2021 08:27	39.10	27.50	0.50	32.90	60.30	60.30	-3.84	-3.82	0.00	0.00	-3.54	7.00	0.00	Comments:No Change,,,,,,,
U03-H11E	12/28/2021 08:21	1.00	0.90	20.30	77.80	66.30	66.30	-0.28	-0.24	0.00	0.00	-0.20			Comments:Decreased VAC/Flow,,,,,,,
U03-H11E	12/28/2021 08:22	1.20	1.00	20.20	77.60	66.30	66.20	-0.18	-0.21	0.00	0.00	-0.18			Comments:No Change,,,,,,,
U03-H12E	10/28/2021 08:10	25.80	24.30	0.10	49.80	59.30	59.30	-0.88	-0.88	13.10	12.90	-0.89	6.00	0.00	Comments:No Change,,,,,,,
U03-H12E	11/10/2021 08:20	24.70	24.20	0.00	51.10	63.80	63.80	-3.82	-3.81	16.60	16.60	-3.81	9.00	0.00	
U03-H12E	12/28/2021 08:07	0.00	0.20	21.40	78.40	36.80	36.90	-0.39	-0.38	23.30	6.00	-0.38			Comments:Decreased VAC/Flow,,,,,,,
U03-H12E	12/28/2021 08:08	0.00	0.20	21.40	78.40	37.30	37.30	-0.43	-0.42	10.30	9.10	-0.42			Comments:No Change,,,,,,,
U03-H13E	10/8/2021 09:07	27.70	25.80	0.00	46.50	64.80	64.70	-0.98	-0.99	10.90	10.90	-1.18			Comments:No Change,,,,,,,
U03-H13E	11/10/2021 08:14	23.60	24.30	0.00	52.10	68.90	68.90	-3.43	-3.41	8.50	9.50	-3.41	8.00	0.00	Comments:No Change,,,,,,,
U03-H13E	12/28/2021 07:59	0.40	0.70	20.80	78.10	44.80	44.90	-0.26	-0.28	21.60	21.50	-0.30			Comments:Decreased VAC/Flow,,,,,,,
U03-H13E	12/28/2021 07:59	0.40	0.70	20.80	78.10	44.80	44.90	-0.26	-0.28	21.60	21.50	-0.30			
U03-H13E	12/28/2021 08:00	0.40	0.60	20.90	78.10	45.30	45.30	-0.22	-0.22	21.00	21.00	-0.23			Comments:No Change,,,,,,,
U03-H14E	10/28/2021 08:22	32.50	26.20	0.00	41.30	80.20	80.50	-0.47	-0.46	15.70	15.60	-0.62	13.00	0.00	Comments:No Change,,,,,,,
U03-H14E	11/10/2021 08:32	30.50	26.60	0.00	42.90	83.70	83.70	-3.50	-3.51	15.20	15.70	-3.51	14.00	0.00	Comments:No Change,,,,,,,
U03-H14E	12/28/2021 08:26	0.10	0.40	20.80	78.70	66.70	66.70	-0.30	-0.31	20.20	20.20	-0.32			
U03-H14E	12/28/2021 08:27	0.00	0.40	20.80	78.80	66.50	66.60	-0.31	-0.31	21.80	21.70	-0.31			Comments:No Change,,,,,,,
U03-H18E	10/28/2021 08:18	37.60	26.90	0.00	35.50	83.20	83.20	-0.27	-0.27	20.40	20.40	-0.45	9.00	0.00	Comments:No Change,,,,,,,
U03-H18E	11/10/2021 08:35	36.00	27.10	0.00	36.90	83.50	83.50	-3.84	-3.83	25.60	27.60	-3.82	11.00	0.00	Comments:No Change,,,,,,,
U03-H18E	12/28/2021 08:29	0.00	0.20	20.90	78.90	65.70	65.70	-0.07	-0.02	22.60	22.60	-0.01			Comments:No Change,,,,,,,
U03-H18E	12/28/2021 08:30	0.00	0.20	20.90	78.90	65.90	66.00	-0.11	-0.10	20.80	21.30	-0.09			Comments:No Change,,,,,,,
U04-G204	10/28/2021 11:17	41.90	34.20	0.00	23.90	91.80	91.80	-2.36	-2.37	0.00	0.00	-12.75	9.00	0.00	Comments:No Change,,,,,,,
U04-G204	11/10/2021 11:04	40.00	32.70	0.00	27.30	92.50	92.40	-4.03	-3.65	11.70	12.90	-19.14			Comments:Decreased VAC/Flow,,,,,,,
U04-G204	12/28/2021 10:12	41.50	32.20	0.00	26.30	89.00	89.00	-3.84	-3.84	16.00	16.10	-21.24			Comments:No Change,,,,,,,
U04-GA01	10/28/2021 11:14	54.70	34.80	0.00	10.50	79.40	79.70	-6.94	-6.59	0.00	0.00	-5.92	11.00	0.00	Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U04-GA01	11/10/2021 11:16	44.10	31.50	0.40	24.00	81.40	80.10	-9.78	-9.34	0.00	0.00	-9.72			Comments:Decreased VAC/Flow,,,,,,,
U04-GA01	12/28/2021 10:22	30.00	26.10	2.70	41.20	73.20	73.40	-11.04	-11.03	0.00	0.00	-11.00			Comments:No Change,,,,,,,
A-3	10/28/2021 11:09	49.40	35.20	0.40	15.00	81.70	81.70	-14.08	-13.44	0.00	0.00	-13.98	9.00	0.00	Comments:Valve 100% Open,,,,,,,
A-3	11/10/2021 11:10	49.70	35.90	0.00	14.40	81.90	81.90	-18.33	-18.25	0.80	1.20	-19.49			Comments:No Change,Valve 100% Open,,,,,,
A-3	12/28/2021 10:17	47.40	34.40	0.00	18.20	72.70	72.70	-20.96	-20.96	1.60	1.60	-21.15			Comments:No Change,Valve 100% Open,,,,,,
U04-GA05	10/28/2021 11:02	58.40	38.40	0.00	3.20	92.90	92.90	-13.83	-13.83	38.10	38.10	-15.76	10.00	0.00	Comments:Valve 100% Open,,,,,,,
U04-GA05	11/10/2021 11:29	59.50	38.70	0.00	1.80	93.40	93.40	-14.80	-14.81	39.00	38.90	-16.88			Comments:No Change,Valve 100% Open,,,,,,
U04-GA05	12/28/2021 10:35	57.00	38.60	0.00	4.40	91.10	91.10	-15.10	-15.11	39.10	39.10	-17.21			Comments:No Change,Valve 100% Open,,,,,,
U4-TL1	10/28/2021 11:12	53.50	36.40	0.00	10.10	77.50	77.60	-3.42	-2.63	38.40	36.30	-3.92	15.00	0.00	Comments:No Change,,,,,,,
U4-TL1	11/10/2021 11:19	55.60	37.00	0.00	7.40	92.00	92.00	-3.51	-4.30	48.80	48.70	-8.08			Comments:No Change,Valve 100% Open,,,,,,
U4-TL1	12/28/2021 10:26	51.30	35.60	0.00	13.10	88.40	88.40	-4.93	-4.91	50.00	50.00	-9.23			Comments:No Change,Valve 100% Open,,,,,,
U05-G103	10/28/2021 11:30	49.00	34.50	0.00	16.50	82.20	82.30	-3.77	-3.76	4.10	4.10	-12.99	9.00	0.00	Comments:No Change,,,,,,,
U05-G103	11/10/2021 11:03	49.30	33.90	0.00	16.80	81.20	81.20	-5.98	-5.97	4.20	5.90	-18.21			Comments:No Change,,,,,,,
U05-G103	12/28/2021 10:12	42.40	31.00	0.00	26.60	75.70	75.80	-5.73	-5.73	2.40	4.80	-16.20			Comments:No Change,,,,,,,
U05-G201	10/28/2021 11:37	60.30	36.40	0.00	3.30	82.00	82.20	-13.92	-13.95	1.20	4.20	-15.16	9.00	0.00	Comments:Valve 100% Open,,,,,,,
U05-G201	11/10/2021 11:10	63.50	35.70	0.00	0.80	75.80	75.80	-16.36	-16.36	3.60	3.60	-18.05			Comments:Valve 100% Open,,,,,,,
U05-G201	12/28/2021 10:23	62.30	37.70	0.00	0.00	61.90	62.00	-14.13	-14.13	3.70	3.90	-16.75			Comments:No Change,,,,,,,
U05-G202	10/28/2021 11:39	48.00	33.70	0.00	18.30	85.40	85.40	-12.18	-12.60	20.70	23.70	-15.46	8.00	0.00	Comments:No Change,,,,,,,
U05-G202	11/10/2021 11:13	48.60	33.50	0.00	17.90	85.40	85.40	-15.02	-15.02	23.20	23.20	-17.55			Comments:No Change,,,,,,,
U05-G202	12/28/2021 10:24	49.10	32.60	0.00	18.30	82.90	82.90	-14.28	-14.27	22.20	22.20	-16.26			Comments:No Change,,,,,,,
U05-G203	10/28/2021 11:25	50.80	35.90	0.00	13.30	85.70	85.70	-2.09	-1.70	13.60	13.60	-14.32	11.00	0.00	Comments:No Change,,,,,,,
U05-G203	11/10/2021 10:59	43.90	34.10	0.00	22.00	84.90	84.90	-3.67	-3.65	3.40	3.50	-18.49			Comments:No Change,,,,,,,
U05-G203	12/28/2021 10:07	49.30	36.30	0.00	14.40	82.20	82.20	-3.21	-3.20	13.60	14.20	-16.31			Comments:No Change,,,,,,,
U05-G205	10/28/2021 10:57	60.30	38.90	0.00	0.80	97.60	97.70	-10.95	-10.93	25.00	27.50	-13.75	9.00	0.00	Comments:Valve 100% Open,,,,,,,
U05-G205	11/10/2021 11:41	60.80	39.20	0.00	0.00	98.00	98.00	-12.07	-12.07	26.70	26.70	-14.88			Comments:Valve 100% Open,,,,,,,
U05-G205	12/28/2021 10:41	60.30	39.30	0.00	0.40	95.10	95.10	-11.79	-11.79	26.90	26.90	-14.77			Comments:No Change,,,,,,,
U05-G206	10/28/2021 11:28	48.40	35.80	0.00	15.80	82.30	82.30	-3.96	-3.53	9.70	14.60	-12.70	10.00	0.00	Comments:No Change,,,,,,,
U05-G206	11/10/2021 11:01	48.50	35.60	0.00	15.90	80.90	80.90	-5.56	-5.55	16.60	18.50	-18.08			Comments:No Change,,,,,,,
U05-G206	12/28/2021 10:09	42.50	32.90	0.00	24.60	76.30	76.30	-5.29	-5.28	16.60	16.70	-16.30			Comments:No Change,,,,,,,
U05-G207	10/28/2021 11:58	52.50	36.30	0.00	11.20	85.80	85.80	-7.85	-7.83	49.90	49.90	-11.27	11.00	0.00	Comments:Valve 100% Open,,,,,,,
U05-G207	11/10/2021 11:20	55.10	35.10	0.00	9.80	85.30	85.30	-10.24	-10.23	50.70	51.70	-13.85			Comments:No Change,,,,,,,
U05-G207	12/28/2021 10:32	52.10	33.50	0.00	14.40	80.90	80.90	-9.89	-9.89	48.80	48.80	-13.43			Comments:No Change,,,,,,,
U05-G208	10/28/2021 11:23	47.00	36.00	0.00	17.00	86.30	86.30	-3.07	-3.05	13.70	13.80	-12.35	17.00	0.00	Comments:No Change,,,,,,,
U05-G208	11/10/2021 10:56	49.00	35.40	0.00	15.60	73.80	73.90	-4.94	-4.92	17.20	19.60	-18.47			Comments:No Change,,,,,,,
U05-G208	12/28/2021 10:03	44.90	31.80	0.00	23.30	65.60	65.60	-4.76	-4.76	19.30	21.90	-20.79			Comments:No Change,,,,,,,
U05-G209	10/28/2021 11:55	52.90	36.20	0.00	10.90	88.60	88.60	-6.28	-6.28	57.80	57.80	-11.53	10.00	0.00	Comments:Valve 100% Open,,,,,,,
U05-G209	11/10/2021 11:29	57.80	37.10	0.00	5.10	88.00	88.10	-7.85	-7.85	58.30	58.30	-13.32			Comments:Valve 100% Open,,,,,,,
U05-G209	12/28/2021 10:40	55.30	36.20	0.00	8.50	84.50	84.50	-8.05	-8.02	57.80	59.00	-13.42			Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U05-GA10	10/28/2021 11:49	53.00	37.00	0.00	10.00	86.30	86.30	-5.71	-5.70	9.20	9.10	-15.00	12.00	0.00	Comments:No Change,,,,,,,
U05-GA10	11/10/2021 11:26	56.10	36.10	0.00	7.80	86.40	86.50	-7.52	-8.01	8.20	11.70	-15.99			Comments:Increased VAC/Flow,,,,,,,
U05-GA10	12/28/2021 10:37	55.00	36.90	0.00	8.10	84.80	84.80	-8.56	-8.54	10.30	11.20	-15.88			Comments:No Change,,,,,,,
U05-GA14	10/28/2021 11:20	39.00	33.10	0.00	27.90	92.40	92.50	-12.20	-14.22	0.00	0.00	-11.86	9.00	0.00	Comments:No Change,,,,,,,
U05-GA14	11/10/2021 10:58	49.00	34.40	0.00	16.60	82.70	82.60	-18.77	-18.72	0.00	0.00	-18.69			Comments:No Change,,,,,,,
U05-GA14	12/28/2021 10:04	26.50	18.20	11.20	44.10	51.50	51.30	-21.11	-21.10	0.00	0.00	-21.01			Comments:No Change,,,,,,,
U05-GA14	12/28/2021 10:07	23.00	15.80	12.60	48.60	50.20	50.30	-21.10	-21.10	0.00	0.00	-21.09			Comments:No Change,,,,,,,
U5-TL1	10/28/2021 11:42	50.30	34.50	0.00	15.20	80.10	80.10	-9.47	-9.47	30.70	30.70	-9.92	10.00	0.00	Comments:No Change,,,,,,,
U5-TL1	11/10/2021 11:16	53.40	34.70	0.00	11.90	69.90	69.90	-11.99	-11.98	29.30	30.70	-13.05			Comments:No Change,,,,,,,
U5-TL1	12/28/2021 10:28	54.30	33.10	0.00	12.60	62.10	62.10	-11.72	-11.71	27.60	29.00	-12.82			Comments:No Change,,,,,,,
U5-TL2	10/28/2021 11:34	50.20	36.50	0.00	13.30	74.50	74.40	-4.23	-3.74	28.50	26.80	-11.20	12.00	0.00	Comments:No Change,,,,,,,
U5-TL2	11/10/2021 11:07	50.50	35.50	0.00	14.00	66.20	66.10	-5.83	-5.79	29.80	29.80	-13.58			Comments:No Change,,,,,,,
U5-TL2	12/28/2021 10:16	44.60	32.90	0.00	22.50	59.90	59.80	-5.59	-5.58	28.40	28.90	-11.76			Comments:No Change,,,,,,,
U6A1-LCRS	10/28/2021 10:35	59.10	40.90	0.00	0.00	77.00	77.00	-16.07	-15.49	1.30	1.30	-14.24	3.00	0.00	
U6A1-LCRS	11/10/2021 12:46	60.90	39.10	0.00	0.00	72.30	72.40	-16.34	-17.05	0.60	2.20	-15.37			
U6A1-LCRS	12/28/2021 11:23	60.30	39.70	0.00	0.00	57.80	57.80	-16.70	-16.69	1.60	2.00	-16.69			
U6A2LCRS	10/28/2021 10:38	62.50	37.50	0.00	0.00	77.60	77.60	-14.80	-15.94	0.00	0.40	-14.55	5.00	0.00	Comments:Valve 100% Open,,,,,,,
U6A2LCRS	11/10/2021 12:44	64.40	35.60	0.00	0.00	74.40	74.40	-17.17	-17.17	0.00	0.00	-16.36			Comments:Valve 100% Open,,,,,,,
U6A2LCRS	12/28/2021 11:20	62.40	37.60	0.00	0.00	61.40	61.40	-15.45	-15.42	0.00	0.00	-14.55			Comments:No Change,,,,,,,
U6AG113R	10/28/2021 10:40	38.20	32.30	0.10	29.40	117.30	117.30	-1.30	-1.30	14.20	14.00	-13.92			Comments:No Change,Surging in Header/Lateral,,,,,,
U6AG113R	11/10/2021 12:53	40.10	31.40	0.10	28.40	115.20	115.30	-0.82	-0.82	11.50	11.80	-13.08			Comments:No Change,,,,,,,
U6AG113R	12/28/2021 11:28	53.50	38.10	0.00	8.40	108.70	108.70	-0.92	-0.92	14.00	14.50	-14.93			Comments:No Change,,,,,,,
U6A-G114	10/28/2021 11:23	44.80	36.70	0.40	18.10	118.60	118.60	-0.70	-0.72	0.00	0.00	-15.73			Comments:No Change,Minimal valve setting,,,,,,
U6A-G114	11/10/2021 12:57	47.70	35.80	0.50	16.00	114.70	114.60	-0.33	-0.33	0.00	0.00	-14.23			Comments:No Change,,,,,,,
U6A-G114	12/28/2021 11:42	56.50	41.30	0.00	2.20	105.70	105.70	-0.41	-0.41	7.10	7.10	-15.99			Comments:No Change,,,,,,,
U6A-G115	10/28/2021 11:28	44.70	36.30	0.00	19.00	88.90	88.90	-0.55	-0.54	1.30	1.50	-11.95			Comments:No Change,Minimal valve setting,,,,,,
U6A-G115	11/10/2021 13:01	50.10	37.60	0.00	12.30	85.00	85.10	-0.25	-0.25	0.00	0.00	-12.54			Comments:No Change,,,,,,,
U6A-G115	12/28/2021 11:44	56.00	42.20	0.00	1.80	62.60	62.70	-6.56	-6.55	1.10	1.20	-14.08			Comments:No Change,,,,,,,
U6A-G116	10/8/2021 09:47	38.90	20.60	7.40	33.10	63.20	63.30	-16.29	-16.35	0.00	0.00	-15.17			Comments:No Change,Minimal valve setting,,,,,,
U6A-G116	10/28/2021 11:37	55.90	28.80	2.80	12.50	77.70	77.40	-16.36	-15.37	0.00	0.00	-17.40			Comments:Increased VAC/Flow,Surging in Header/Lateral,,,,,,
U6A-G116	11/10/2021 13:04	49.70	26.20	4.60	19.50	73.40	73.60	-16.24	-16.27	0.00	0.00	-15.60			Comments:No Change,,,,,,,
U6A-G116	12/28/2021 11:48	47.20	23.80	5.70	23.30	53.50	53.50	-17.36	-17.35	0.00	0.00	-17.14			Comments:No Change,,,,,,,
U6A-G116	12/28/2021 11:49	41.10	21.00	7.90	30.00	53.20	53.20	-17.64	-17.64	0.00	0.00	-17.60			
U6A-G117	10/28/2021 11:32	53.20	36.20	0.00	10.60	90.10	90.10	-15.99	-16.63	6.20	9.20	-16.21			Comments:No Change,,,,,,,
U6A-G117	11/10/2021 13:09	55.60	36.10	0.00	8.30	89.70	89.60	-15.10	-16.03	7.40	7.90	-15.72			Comments:No Change,,,,,,,
U6A-G117	12/28/2021 11:40	57.60	37.50	0.00	4.90	82.90	83.00	-16.60	-16.57	4.20	4.20	-17.00			Comments:No Change,,,,,,,
U6A-G119	10/28/2021 12:16	53.40	36.90	0.00	9.70	84.50	85.50	-14.07	-13.43	4.00	4.10	-15.52			Comments:No Change,Surging in Header/Lateral,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6A-G119	11/10/2021 12:59	54.30	36.80	0.00	8.90	84.20	84.40	-14.56	-15.13	3.20	2.70	-14.20			Comments:Increased VAC/Flow,Surging in Header/Lateral,,,,,,
U6A-G119	12/28/2021 11:37	55.20	37.50	0.00	7.30	69.90	70.00	-15.48	-16.36	3.80	3.30	-17.06			Comments:No Change,,,,,,,
U6A-G121	10/28/2021 12:20	54.10	37.30	1.40	7.20	79.30	79.00	-15.15	-16.46	5.00	5.10	-17.08			Comments:No Change,Surging in Header/Lateral,,,,,,
U6A-G121	11/10/2021 12:54	47.00	32.70	3.80	16.50	73.20	73.20	-16.96	-16.96	0.00	0.00	-16.84			Comments:No Change,,,,,,,
U6A-G121	12/28/2021 11:33	57.80	42.20	0.00	0.00	58.00	57.90	-14.64	-14.65	0.00	2.80	-14.89			Comments:No Change,,,,,,,
U6A-G122	10/28/2021 12:26	58.20	39.60	0.00	2.20	71.70	85.10	-0.02	-0.41	0.00	8.30	-14.82			Comments:Increased VAC/Flow,,,,,,,
U6A-G122	11/10/2021 12:49	46.80	37.90	0.00	15.30	91.80	91.80	-0.29	-0.29	8.80	8.80	-14.96			Comments:No Change,Minimal valve setting,,,,,,
U6A-G122	12/28/2021 11:30	53.40	39.60	0.00	7.00	85.40	85.30	-0.48	-0.48	8.90	8.90	-13.64			Comments:No Change,,,,,,,
U6A-G201	10/28/2021 10:46	62.80	37.20	0.00	0.00	78.50	78.30	-16.73	-14.83	1.20	1.60	-17.34			Comments:No Change,Valve 100% Open,Surging in Header/Lateral,,,,,
U6A-G201	11/10/2021 12:42	64.20	35.80	0.00	0.00	70.90	70.90	-15.73	-16.98	0.00	0.00	-16.83			Comments:Valve 100% Open,,,,,,,
U6A-G201	12/28/2021 11:35	45.70	30.00	4.80	19.50	50.10	50.10	-14.80	-14.80	0.00	0.00	-16.57			Comments:No Change,,,,,,,
U6A-G205	10/28/2021 11:16	52.60	24.40	3.90	19.10	80.00	79.90	-11.84	-11.89	0.20	0.20	-16.09			Comments:No Change,Valve 100% Closed,,,,,,
U6A-G205	11/10/2021 12:29	47.40	28.20	4.90	19.50	70.10	70.10	-17.16	-17.16	0.00	0.00	-17.05			Comments:No Change,Minimal valve setting,,,,,,
U6A-G205	12/28/2021 11:37	53.50	24.70	3.80	18.00	49.10	49.20	-17.69	-17.68	0.00	0.00	-17.32			Comments:No Change,,,,,,,
U6A-G209	10/28/2021 12:07	43.70	35.70	0.00	20.60	95.60	94.90	-11.77	-11.18	3.60	3.20	-16.43			Comments:Minimal valve setting,Decreased VAC/Flow,,,,,,
U6A-G209	11/10/2021 12:33	49.80	36.80	0.00	13.40	90.40	90.60	-11.38	-12.39	1.60	1.70	-17.18			Comments:No Change,Minimal valve setting,,,,,,
U6A-G209	12/28/2021 11:11	57.60	37.20	0.00	5.20	73.00	73.50	-12.08	-12.08	2.90	2.90	-16.90			Comments:No Change,Minimal valve setting,,,,,,
U6A-G211	10/28/2021 12:34	53.60	37.70	0.00	8.70	78.10	78.30	-16.49	-15.60	0.00	1.00	-14.84			Comments:Increased VAC/Flow,Surging in Header/Lateral,,,,,,
U6A-G211	11/10/2021 12:39	44.80	34.90	0.00	20.30	73.50	74.00	-15.95	-17.23	0.50	0.70	-15.59			Comments:Decreased VAC/Flow,,,,,,,
U6A-G211	12/28/2021 11:22	59.10	40.90	0.00	0.00	50.10	50.10	-17.22	-17.23	0.20	0.20	-16.83			Comments:No Change,,,,,,,
U6A-G301	10/28/2021 11:20	59.40	38.60	0.00	2.00	95.10	95.30	-16.06	-15.46	8.30	0.00	-16.72			
U6A-G301	11/10/2021 13:00	61.00	39.00	0.00	0.00	92.70	92.70	-16.16	-16.18	1.80	6.00	-16.35			
U6A-G301	12/28/2021 11:39	60.80	39.20	0.00	0.00	82.10	82.10	-17.17	-17.15	3.30	3.30	-16.35			
U6A-G302	10/28/2021 12:10	51.80	35.10	0.30	12.80	98.20	98.20	-3.14	-3.15	7.70	7.70	-15.25			
U6A-G302	11/10/2021 13:04	59.40	36.30	0.00	4.30	96.80	97.70	-3.03	-3.28	7.20	10.90	-14.11			
U6A-G302	12/28/2021 11:49	55.00	34.60	1.40	9.00	91.50	91.50	-4.68	-4.68	11.40	11.60	-15.11			
U6A-G303	10/28/2021 12:30	51.00	37.20	0.00	11.80	91.20	91.10	-4.45	-4.45	14.30	13.60	-14.59			
U6A-G303	11/10/2021 12:45	54.50	38.30	0.00	7.20	90.20	90.30	-4.88	-5.65	12.80	15.10	-15.65			
U6A-G303	12/28/2021 11:25	59.60	39.40	0.00	1.00	86.00	86.00	-6.27	-6.27	14.60	14.70	-15.51			
U6A-PER1	10/28/2021 10:35	61.70	38.30	0.00	0.00	100.10	100.20	-14.61	-13.40	3.90	2.50	-16.38			Comments:No Change,Valve 100% Open,Surging in Header/Lateral,,,,,
U6A-PER1	11/10/2021 12:51	63.10	36.90	0.00	0.00	99.70	99.70	-14.46	-14.46	4.20	4.20	-15.84			Comments:Valve 100% Open,,,,,,,
U6A-PER1	12/28/2021 11:31	61.70	38.30	0.00	0.00	92.20	92.30	-14.05	-15.40	4.60	3.50	-16.48			Comments:No Change,Valve 100% Open,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6B-G202	10/28/2021 10:57	39.50	20.30	7.30	32.90	80.20	80.40	-16.01	-16.09	0.30	0.30	-16.38			Comments:No Change,Valve 100% Closed,,,,,,
U6B-G202	10/28/2021 11:00	32.90	17.20	9.20	40.70	81.80	81.90	-17.48	-16.98	0.00	0.00	-17.52			Comments:No Change,Valve 100% Closed,,,,,,
U6B-G202	11/10/2021 12:33	3.50	10.60	8.30	77.60	72.40	72.50	-17.48	-17.46	0.00	0.00	-17.00			Comments:Minimal valve setting,,,,,,,
U6B-G202	11/10/2021 12:34	3.50	10.60	8.30	77.60	72.40	72.50	-17.48	-17.46	0.00	0.00	-17.00			
U6B-G202	11/10/2021 12:35	3.20	8.20	10.30	78.30	72.30	72.40	-16.94	-16.92	0.00	0.00	-16.92			
U6B-G202	12/28/2021 11:15	22.00	15.70	4.90	57.40	49.70	49.70	-7.00	-7.88	0.00	0.00	-17.49			Comments:No Change,,,,,,,
U6B-G203	10/28/2021 11:11	63.70	36.30	0.00	0.00	79.10	78.90	-16.96	-16.67	1.30	1.80	-16.58			Comments:No Change,Valve 100% Open,,,,,,
U6B-G203	11/10/2021 12:27	64.40	35.60	0.00	0.00	73.20	73.20	-16.86	-16.88	1.00	1.80	-17.40			Comments:Valve 100% Open,,,,,,,
U6B-G203	12/28/2021 11:11	65.20	34.80	0.00	0.00	53.60	53.60	-17.59	-17.59	0.80	0.80	-16.01			Comments:No Change,Valve 100% Open,,,,,,
U6B-G206	10/28/2021 11:49	66.50	33.50	0.00	0.00	78.60	78.30	-17.07	-15.80	1.10	1.20	-14.79			Comments:No Change,Surging in Header/Lateral,,,,,,
U6B-G206	11/10/2021 13:10	57.50	29.30	2.40	10.80	71.80	71.80	-17.08	-17.06	0.00	0.00	-16.21			Comments:No Change,,,,,,,
U6B-G206	12/28/2021 11:53	64.60	33.10	0.80	1.50	52.80	52.80	-16.83	-16.86	0.00	0.00	-17.15			Comments:No Change,,,,,,,
U6B-G213	10/8/2021 09:39	36.50	22.70	8.20	32.60	58.90	58.80	-15.87	-15.88	0.00	0.00	-15.65			Comments:No Change,,,,,,,
U6B-G213	11/10/2021 14:29	48.70	29.90	3.30	18.10	83.50	83.50	-8.20	-8.18	0.00	0.00	-16.51			Comments:No Change,,,,,,,
U6B-G213	12/28/2021 11:08	68.50	31.50	0.00	0.00	51.50	51.60	-17.62	-17.61	0.00	0.00	-17.28			Comments:No Change,,,,,,,
U6B-G213	12/28/2021 11:19	47.30	30.10	4.60	18.00	57.00	57.00	-13.57	-13.55	0.00	0.00	-17.50			Comments:No Change,,,,,,,
U6B-G214	10/28/2021 11:05	62.40	37.60	0.00	0.00	87.00	87.00	-16.56	-17.23	5.10	5.20	-16.85			Comments:No Change,Valve 100% Open,,,,,,
U6B-G214	11/10/2021 12:11	61.60	38.40	0.00	0.00	71.70	71.80	-17.39	-17.39	0.00	0.00	-17.39	13.00	0.00	Comments:No Change,,,,,,,
U6B-G214	12/28/2021 12:11	45.70	28.50	4.70	21.10	67.90	67.80	-17.31	-17.29	4.50	4.60	-17.11			Comments:No Change,,,,,,,
U6B-G216	10/28/2021 11:56	57.30	33.70	0.00	9.00	79.50	73.90	-15.16	-15.69	0.70	0.90	-14.94			Comments:Increased VAC/Flow,Surging in Header/Lateral,,,,,,
U6B-G216	11/10/2021 12:24	63.30	31.70	0.00	5.00	70.40	70.50	-16.91	-16.97	0.00	0.00	-17.15			Comments:Increased VAC/Flow,,,,,,,
U6B-G216	12/28/2021 13:11	68.40	31.60	0.00	0.00	51.00	51.00	-17.28	-17.25	0.00	0.30	-16.76			Comments:No Change,,,,,,,
U6B-G301	10/28/2021 10:53	59.70	36.20	0.30	3.80	68.50	68.50	-15.47	-15.47	3.10	3.10	-15.40	8.00	0.00	Comments:No Change,,,,,,,
U6B-G301	11/10/2021 12:08	61.00	39.00	0.00	0.00	68.60	68.80	-16.39	-16.41	0.00	0.00	-16.42	11.00	0.00	Comments:No Change,,,,,,,
U6B-G301	12/28/2021 12:04	60.50	37.00	1.00	1.50	76.80	76.80	-16.32	-16.32	3.30	3.30	-16.73			Comments:No Change,,,,,,,
U6B-G307	10/28/2021 11:58	55.30	36.30	0.00	8.40	69.80	69.80	-8.15	-8.15	18.50	18.40	-13.75	15.00	0.00	Comments:No Change,,,,,,,
U6B-G307	11/10/2021 11:59	55.20	38.10	0.00	6.70	91.10	91.20	-9.50	-9.48	19.20	19.50	-13.74	12.00	0.00	Comments:No Change,,,,,,,
U6B-G307	12/28/2021 12:01	60.30	38.00	0.00	1.70	89.20	89.20	-9.60	-9.60	19.30	19.30	-15.34			Comments:No Change,Valve 100% Open,,,,,,
U6B-G313	10/28/2021 12:45	65.10	34.90	0.00	0.00	85.30	85.40	-16.43	-14.25	0.00	0.00	-16.22			Comments:No Change,Valve 100% Open,Surging in Header/Lateral,,,,,
U6B-G313	11/10/2021 12:24	65.00	35.00	0.00	0.00	79.20	79.20	-16.98	-17.61	2.20	0.00	-17.56			Comments:No Change,Valve 100% Open,,,,,,
U6B-G313	12/28/2021 11:04	64.80	35.20	0.00	0.00	59.70	59.60	-17.59	-17.55	1.20	0.00	-17.31			Comments:No Change,Valve 100% Open,,,,,,
U6B-G314	10/28/2021 11:11	53.70	23.10	4.60	18.60	72.30	72.30	-16.00	-16.74	0.00	4.00	-15.51	9.00	0.00	Comments:No Change,,,,,,,
U6B-G314	11/10/2021 11:28	61.30	26.60	2.50	9.60	63.20	63.20	-19.54	-18.11	2.50	0.00	-18.12	5.00	0.00	Comments:No Change,,,,,,,
U6B-G314	12/28/2021 11:10	64.30	25.90	2.00	7.80	49.20	49.20	-18.79	-18.79	0.00	0.00	-18.81			Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6B-G317	10/28/2021 11:14	54.00	36.90	0.00	9.10	76.80	77.20	-1.62	-1.60	0.00	0.00	-17.84	12.00	0.00	Comments:No Change,,,,,,,
U6B-G317	11/10/2021 11:30	52.70	38.10	0.00	9.20	70.10	70.30	-1.33	-1.33	0.00	0.00	-17.79	6.00	0.00	Comments:No Change,,,,,,,
U6B-G317	12/28/2021 11:13	61.30	38.70	0.10		54.20	54.50	-0.46	-0.46	0.00	0.00	-18.99			Comments:No Change,,,,,,,
U6B-G403	10/28/2021 10:45	61.60	38.40	0.00	0.00	71.10	71.10	-16.38	-16.38	1.40	1.40	-15.80	7.00	0.00	Comments:Valve 100% Open,,,,,,,
U6B-G403	11/10/2021 12:14	61.30	38.70	0.00	0.00	75.80	75.90	-17.37	-17.39	0.40	1.30	-17.39	12.00	0.00	Comments:No Change,,,,,,,
U6B-G403	12/28/2021 12:07	62.30	37.20	0.40	0.10	52.50	52.50	-17.62	-17.62	0.00	0.00	-17.53			Comments:No Change,Valve 100% Open,,,,,,
U6B-G404	10/28/2021 11:55	53.10	25.80	3.50	17.60	68.00	68.00	-14.73	-14.74	0.00	0.00	-14.75	12.00	13.00	Comments:No Change,,,,,,,
U6B-G404	11/10/2021 12:02	19.40	14.40	10.90	55.30	59.60	59.60	-16.47	-16.48	0.00	0.00	-16.49	10.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6B-G404	11/10/2021 12:03	13.00	9.90	12.90	64.20	58.80	58.80	-16.66	-16.64	0.00	0.00	-16.65	9.00	0.00	Comments:No Change,,,,,,,
U6B-G404	11/23/2021 10:25	51.50	29.50	3.40	15.60	53.90	53.90	-16.11	-16.11	1.90	1.90	-16.42			Comments:No Change,,,,,,,
U6B-G404	12/28/2021 12:00	0.90	4.80	19.00	75.30	46.50	46.40	-16.09	-16.18	0.80	0.00	-16.31			Comments:No Change,Minimal valve setting,,,,,,
U6B-G404	12/28/2021 12:02	0.60	3.90	19.50	76.00	45.40	45.40	-16.49	-16.48	0.00	0.00	-16.10			Comments:No Change,,,,,,,
U6B-G410	10/28/2021 11:44	40.40	32.40	0.00	27.20	105.50	104.90	-1.52	-1.12	11.60	7.10	-15.56			Comments:Decreased VAC/Flow,,,,,,,
U6B-G410	11/10/2021 13:07	48.70	34.40	0.00	16.90	98.70	98.70	-0.82	-0.82	7.20	7.20	-15.98			Comments:No Change,,,,,,,
U6B-G410	12/28/2021 11:52	63.20	36.80	0.00	0.00	83.90	84.00	-1.71	-1.71	6.00	6.00	-15.95			Comments:No Change,,,,,,,
U6B-G501	10/28/2021 12:01	49.30	34.80	0.00	15.90	74.00	74.10	-1.09	-1.09	15.30	15.80	-13.61	17.00	0.00	
U6B-G501	11/10/2021 11:56	48.60	36.50	0.00	14.90	65.20	65.10	-1.11	-1.11	13.70	14.60	-13.37	12.00	0.00	
U6B-G501	12/28/2021 12:05	56.60	37.50	0.00	5.90	92.40	92.40	-1.72	-1.73	13.40	13.00	-15.01			
U6B-G502	10/28/2021 12:04	56.20	29.50	0.00	14.30	82.90	83.10	-2.76	-2.75	17.40	17.60	-13.45	19.00	0.00	
U6B-G502	11/10/2021 12:47	51.80	36.20	0.00	12.00	82.00	82.10	-2.31	-2.31	18.70	18.40	-15.29	11.00	0.00	
U6B-G502	12/28/2021 12:09	59.00	36.80	0.00	4.20	73.00	73.00	-3.51	-3.51	17.90	17.90	-15.31			
U6B-H6B1	10/28/2021 11:52	36.20	30.00	0.00	33.80	76.20	76.30	-7.41	-7.39	1.00	4.40	-15.86	7.00	0.00	Comments:No Change,,,,,,,
U6B-H6B1	11/10/2021 11:23	37.50	29.00	0.00	33.50	71.70	71.80	-9.01	-8.97	2.20	2.50	-18.07			Comments:No Change,,,,,,,
U6B-H6B1	12/28/2021 10:35	39.40	27.20	0.00	33.40	61.80	61.90	-8.15	-8.13	0.00	4.30	-17.26			Comments:No Change,,,,,,,
U6B-PR01	10/28/2021 12:02	32.40	30.30	0.00	37.30	123.90	123.90	-0.69	-0.66	27.30	27.60	-10.99			Comments:No Change,Minimal valve setting,,,,,,
U6B-PR01	11/10/2021 12:29	30.30	29.20	0.20	40.30	123.20	123.20	-0.44	-0.43	29.00	29.10	-11.44			Comments:No Change,,,,,,,
U6B-PR01	12/28/2021 11:08	48.80	35.50	0.20	15.50	119.30	119.30	-0.62	-0.62	31.40	31.40	-12.18			Comments:No Change,,,,,,,
U6C1LCRS	10/28/2021 10:59	22.90	15.60	11.90	49.60	75.10	75.40	-17.30	-16.77	0.00	0.40	-16.92	8.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6C1LCRS	10/28/2021 11:01	25.40	15.60	11.60	47.40	74.80	74.80	-17.49	-17.49	0.00	0.00	-16.75	9.00	0.00	Comments:No Change,,,,,,,
U6C1LCRS	11/10/2021 11:33	24.30	16.50	12.50	46.70	67.70	67.00	-17.92	-18.16	0.00	0.00	-17.97			Comments:Decreased VAC/Flow,,,,,,,
U6C1LCRS	11/10/2021 11:35	20.00	13.40	13.30	53.30	65.70	65.70	-18.30	-18.27	0.00	0.00	-17.94			Comments:No Change,,,,,,,
U6C1LCRS	12/28/2021 10:38	61.80	38.20	0.00	0.00	66.40	66.50	-17.35	-17.34	1.20	1.20	-18.44			Comments:No Change,Minimal valve setting,,,,,,
U6C2LCRS	10/28/2021 11:05	59.20	40.30	0.00	0.50	77.70	77.70	-18.47	-17.46	2.30	3.20	-17.61	10.00	0.00	Comments:Valve 100% Open,,,,,,,
U6C2LCRS	11/10/2021 11:24	59.40	40.60	0.00	0.00	73.90	73.90	-19.50	-19.43	1.90	1.60	-19.36			Comments:No Change,Valve 100% Open,,,,,,
U6C2LCRS	12/28/2021 10:31	58.70	41.20	0.00	0.10	64.60	64.70	-19.28	-19.27	1.90	1.90	-18.66			Comments:No Change,Valve 100% Open,,,,,,
U6C-G302	10/28/2021 12:13	61.30	38.70	0.00	0.00	71.10	71.10	-12.16	-12.14	22.40	22.90	-12.13	20.00	0.00	Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6C-G302	11/10/2021 12:31	59.30	40.70	0.00	0.00	82.50	82.40	-7.62	-8.35	22.50	21.90	-5.39	10.00	0.00	Comments:No Change,,,,,,,
U6C-G302	12/28/2021 12:14	60.70	39.30	0.00	0.00	46.30	46.20	-14.86	-14.85	22.80	22.40	-14.54			
U6C-G303	10/28/2021 12:17	62.30	37.70	0.00	0.00	88.40	88.70	-15.53	-15.53	6.30	6.40	-16.24	18.00	0.00	Comments:No Change,,,,,,,
U6C-G303	11/10/2021 12:34	59.70	40.30	0.00	0.00	82.50	82.40	-8.62	-8.66	6.00	6.00	-8.67	10.00	20.00	Comments:No Change,,,,,,,
U6C-G303	12/28/2021 12:11	61.50	38.50	0.00	0.00	45.80	45.70	-18.16	-18.12	0.00	0.00	-18.10			Comments:No Change,,,,,,,
U6C-G306	10/28/2021 12:22	59.00	41.00	0.00	0.00	90.30	90.50	-16.17	-15.15	3.70	3.80	-15.15	33.00	0.00	Comments:No Change,,,,,,,
U6C-G306	11/10/2021 12:36	57.50	42.50	0.00	0.00	90.20	90.20	-16.66	-15.50	3.70	0.00	-16.84	19.00	30.00	Comments:No Change,,,,,,,
U6C-G306	12/28/2021 12:17	58.90	41.10	0.00	0.00	73.30	73.30	-17.82	-17.81	6.00	6.00	-15.95			Comments:No Change,Valve 100% Open,,,,,,
U6C-G308	10/28/2021 12:25	45.90	14.20	7.60	32.30	74.10	74.10	-15.25	-15.23	0.00	0.00	-15.21	19.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6C-G308	10/28/2021 12:26	46.20	14.30	7.70	31.80	74.30	74.30	-14.86	-14.87	0.00	0.00	-14.82	18.00	1.00	Comments:No Change,,,,,,,
U6C-G308	11/10/2021 12:52	56.40	17.60	5.20	20.80	66.70	66.70	-16.67	-16.67	0.00	0.00	-16.67	10.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6C-G308	11/10/2021 12:52	55.60	17.40	5.30	21.70	66.90	66.90	-16.62	-16.62	0.00	0.00	-15.90	11.00	0.00	Comments:No Change,,,,,,,
U6C-G308	12/28/2021 12:13	61.90	19.00	3.60	15.50	50.90	51.00	-18.18	-18.15	0.10	0.00	-18.13			Comments:No Change,Minimal valve setting,,,,,,
U6C-G309	10/28/2021 12:34	62.90	37.10	0.00	0.00	73.20	73.10	-14.66	-14.68	0.00	0.00	-12.06	19.00	0.00	Comments:No Change,,,,,,,
U6C-G309	11/10/2021 12:55	60.70	39.30	0.00	0.00	69.10	69.20	-16.11	-16.09	9.60	9.60	-16.09	13.00	0.00	Comments:No Change,,,,,,,
U6C-G309	12/28/2021 12:17	62.00	37.80	0.10	0.10	45.00	44.90	-17.48	-14.65	4.60	11.90	-16.99			Comments:No Change,,,,,,,
U6C-G312	10/28/2021 12:38	55.00	35.00	0.00	10.00	95.20	95.30	-3.47	-3.46	8.70	9.70	-15.71	20.00	0.00	Comments:No Change,,,,,,,
U6C-G312	11/10/2021 13:02	56.30	37.60	0.00	6.10	94.00	94.00	-3.21	-3.22	9.10	10.00	-16.69	13.00	0.00	Comments:No Change,,,,,,,
U6C-G312	12/28/2021 12:21	61.70	37.70	0.00	0.60	92.10	92.10	-3.89	-3.90	10.00	10.00	-15.77			Comments:No Change,,,,,,,
U6C-G316	10/28/2021 11:35	48.30	35.40	0.00	16.30	92.70	92.70	-0.95	-0.95	0.00	0.00	-11.06	18.00	0.00	Comments:No Change,,,,,,,
U6C-G316	11/10/2021 11:45	48.70	37.20	0.00	14.10	91.60	91.60	-0.89	-0.87	0.00	0.00	-11.56	10.00	0.00	Comments:No Change,,,,,,,
U6C-G316	12/28/2021 11:32	58.60	36.90	0.00	4.50	90.30	90.30	-1.42	-1.41	0.00	0.00	-12.81			Comments:No Change,,,,,,,
U6C-G319	10/28/2021 11:23	58.40	40.80	0.00	0.80	82.70	83.00	-13.72	-12.87	0.00	0.00	-16.16	31.00	0.00	Comments:No Change,,,,,,,
U6C-G319	11/10/2021 11:35	46.30	40.90	0.00	12.80	105.70	105.90	-2.06	-2.06	19.30	19.40	-14.19	65.00	6.00	Comments:No Change,,,,,,,
U6C-G319	12/28/2021 11:19	59.80	40.20	0.00	0.00	69.70	70.10	-17.47	-14.79	0.00	0.00	-12.61			Comments:No Change,,,,,,,
U6C-G320	10/28/2021 11:25	47.20	39.60	0.00	13.20	106.60	106.60	-1.60	-1.60	9.20	8.50	-12.97	96.00	4.00	Comments:No Change,,,,,,,
U6C-G320	11/10/2021 11:36	45.70	40.90	0.00	13.40	66.50	66.10	-2.13	-2.11	10.00	8.60	-14.35	87.00	5.00	Comments:No Change,,,,,,,
U6C-G320	12/28/2021 11:22	48.60	39.60	0.00	11.80	104.60	104.70	-2.24	-2.26	11.30	11.50	-15.81			Comments:No Change,,,,,,,
U6C-G321	10/28/2021 11:30	47.90	36.30	0.00	15.80	92.20	92.30	-1.65	-1.67	10.50	13.00	-13.13	38.00	0.00	Comments:No Change,,,,,,,
U6C-G321	11/10/2021 11:41	46.20	37.80	0.10	15.90	90.50	90.60	-2.92	-2.92	12.10	12.20	-16.74	25.00	0.00	Comments:No Change,,,,,,,
U6C-G321	12/28/2021 11:25	53.30	37.50	0.20	9.00	83.60	83.70	-2.86	-2.85	8.70	8.70	-16.94			Comments:No Change,,,,,,,
U6C-G405	10/28/2021 10:51	54.20	33.20	1.80	10.80	70.40	70.40	-16.34	-16.34	0.00	0.00	-15.89	8.00	0.00	Comments:No Change,,,,,,,
U6C-G405	10/28/2021 12:08	51.40	30.20	3.50	14.90	71.40	71.50	-16.22	-16.20	0.00	0.00	-16.22	19.00	0.00	Comments:No Change,,,,,,,
U6C-G405	11/10/2021 12:29	59.00	36.20	1.00	3.80	81.60	81.60	-17.38	-17.38	0.00	0.00	-17.36	9.00	0.00	Comments:No Change,,,,,,,
U6C-G405	12/28/2021 12:18	49.10	29.30	3.90	17.70	48.80	48.80	-17.14	-17.14	0.20	0.20	-17.16			Comments:No Change,,,,,,,
U6C-G501	10/28/2021 12:56	18.50	12.50	12.10	56.90	93.00	92.50	-6.59	-10.61	0.00	0.00	-10.61	18.00	0.00	
U6C-G501	10/28/2021 12:58	18.60	12.60	12.10	56.70	93.50	93.50	-4.31	-5.61	0.00	0.00	-5.58	20.00	0.00	
U6C-G501	11/10/2021 13:05	20.10	14.30	11.80	53.80	90.00	89.70	-2.35	-2.32	0.00	0.00	-10.42	12.00	0.00	
U6C-G501	11/10/2021 13:06	20.00	14.30	11.90	53.80	89.90	89.90	-4.67	-4.66	0.00	0.00	-10.60	12.00	0.00	

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6C-G501	12/28/2021 12:08	61.80	38.20	0.00	0.00	89.50	89.30	-6.87	-7.42	0.00	0.00	-11.81			
U6C-G502	10/28/2021 12:54	18.20	12.00	12.20	57.60	93.40	93.20	-12.31	-8.33	0.00	0.00	-15.68	17.00	0.00	
U6C-G502	10/28/2021 12:54	18.00	12.20	12.40	57.40	93.80	93.80	-9.87	-7.48	0.00	0.00	-7.48	18.00	0.00	
U6C-G502	11/10/2021 12:59	48.60	34.20	2.50	14.70	94.00	93.60	-9.28	-8.69	0.00	0.00	-16.92	26.00	0.00	
U6C-G502	12/28/2021 11:38	59.90	36.90	1.10	2.10	59.50	59.60	-0.23	-0.20	0.20	6.50	-23.59			
U6C-H03E	10/28/2021 10:47	47.40	29.80	4.30	18.50	73.90	73.90	-16.61	-16.57	0.00	0.00	-15.90	7.00	0.00	Comments:No Change,,,,,,,
U6C-H03E	11/10/2021 12:43	43.80	28.60	5.50	22.10	67.70	67.70	-17.33	-17.32	0.00	0.00	-17.32	11.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6C-H03E	11/10/2021 12:44	47.50	30.50	4.40	17.60	67.50	67.50	-17.15	-17.15	0.00	0.00	-17.15	11.00	0.00	Comments:No Change,,,,,,,
U6C-H03E	12/28/2021 12:14	39.60	25.70	6.90	27.80	50.90	50.90	-17.66	-17.67	0.00	0.00	-17.55			Comments:No Change,,,,,,,
U6C-H03E	12/28/2021 12:15	33.00	22.00	8.90	36.10	50.50	50.50	-17.68	-17.66	0.00	0.00	-17.65			
U6D1-001	10/28/2021 13:17	52.90	35.90	0.70	10.50	73.70	73.50	-0.03	-0.03	29.70	29.70	-10.15	18.00	1.00	Comments:No Change,,,,,,,
U6D1-001	11/10/2021 13:17	52.70	37.70	0.70	8.90	71.60	71.50	-0.62	-0.62	28.50	28.50	-11.03	14.00	0.00	Comments:No Change,,,,,,,
U6D1-001	12/28/2021 11:48	60.70	39.30	0.00	0.00	66.10	66.20	-0.83	-0.83	27.30	27.30	-14.61			Comments:No Change,,,,,,,
U6D1-0L3	10/28/2021 10:05	41.00	33.70	0.10	25.20	77.90	77.90	-1.79	-15.88	23.40	17.90	-21.74	14.00	0.00	Comments:No Change,,,,,,,
U6D1-0L3	11/10/2021 10:16	48.90	36.30	0.00	14.80	76.40	76.40	-12.48	-12.31	17.50	20.10	-10.19	9.00	0.00	Comments:No Change,,,,,,,
U6D1-0L3	12/28/2021 10:23	60.30	39.10	0.50	0.10	66.40	66.50	-20.18	-22.25	10.40	7.80	-20.33			Comments:No Change,,,,,,,
U6D1-101	10/28/2021 13:19	54.20	35.70	0.00	10.10	96.40	96.60	-2.28	-2.27	30.90	30.60	-14.45	21.00	0.00	
U6D1-101	11/10/2021 13:32	11.90	16.30	4.20	67.60	69.60	69.50	-1.93	-1.93	17.10	17.10	-1.92	9.00	0.00	
U6D1-101	12/28/2021 12:05	61.90	37.50	0.60	0.00	94.40	94.50	-2.72	-2.72	33.60	33.60	-18.40			
U6D1-CND	10/8/2021 09:56	8.10	14.40	6.50	71.00	108.10	108.10	-0.67	-0.69	14.70	14.60	-17.77			
U6D1-CND	10/28/2021 13:27	11.70	15.50	3.70	69.10	108.10	108.20	-0.27	-0.27	15.60	16.00	-16.95	21.00	0.00	
U6D1-CND	11/10/2021 13:24	11.30	15.70	3.40	69.60	107.10	107.30	-0.29	-0.27	14.80	15.50	-16.92	11.00	0.00	
U6D1-CND	12/28/2021 12:01	0.40	0.70	19.70	79.20	50.10	50.10	-21.21	-21.19	0.00	0.00	-21.16			
U6D1-CND	12/28/2021 12:02	0.30	0.60	19.80	79.30	50.30	50.30	-21.35	-21.36	0.00	0.00	-21.35			
U6D1-CSD	10/28/2021 13:24	68.80	22.30	1.40	7.50	79.80	79.90	-16.63	-16.79	0.00	0.00	-17.17	20.00	0.00	
U6D1-CSD	11/10/2021 13:21	70.30	24.70	1.10	3.90	73.00	73.00	-18.49	-18.59	0.00	0.00	-18.59	11.00	7.00	
U6D1-CSD	12/28/2021 11:53	72.90	24.10	1.00	2.00	51.70	51.60	-21.70	-21.70	0.00	0.00	-21.69			
U6D1-GBS	10/28/2021 13:22	10.30	16.70	0.00	73.00	99.60	96.40	-10.18	-13.01	0.00		-13.01	20.00	0.00	
U6D1-GBS	11/10/2021 13:20	11.80	19.80	0.00	68.40	110.10	110.30	-0.39	-0.39	12.00	12.00	-18.26	12.00	0.00	
U6D1-GBS	12/28/2021 11:51	18.60	20.70	0.00	60.70	101.90	101.90	-0.48	-0.48	9.60	9.60	-21.05			
U6D2-001	10/28/2021 11:27	46.90	39.20	0.00	13.90	72.00	71.60	-1.88	-1.84	10.40	9.30	-1.83	#####	5.00	
U6D2-001	11/10/2021 11:00	46.60	33.70	0.00	19.70	58.50	58.50	-0.52	-0.54	0.00	0.00	-0.56	9.00	0.00	
U6D2-001	12/28/2021 11:28	54.10	38.30	0.10	7.50	84.00	84.10	-4.06	-4.05	4.70	4.70	-16.43			
U6D2-002	10/28/2021 10:36	19.30	23.50	0.00	57.20	79.00	79.30	-1.21	-1.24	79.00	83.50	-1.66	11.00	0.00	Comments:No Change,,,,,,,
U6D2-002	11/10/2021 10:40	20.60	26.60	0.00	52.80	66.10	66.20	-0.93	-0.94	80.10	80.10	-11.37	6.00	1.00	Comments:No Change,,,,,,,
U6D2-002	12/28/2021 10:40	31.20	28.10	0.10	40.60	51.40	52.00	-0.09	-0.34	87.50	87.50	-0.06			Comments:No Change,,,,,,,
U6D2-003	10/28/2021 10:38	53.10	39.20	0.00	7.70	76.80	76.50	-15.52	-13.09	19.20	0.00	-11.94	17.00	0.00	Comments:No Change,,,,,,,
U6D2-003	11/10/2021 10:43	52.30	41.30	0.00	6.40	62.60	62.60	-9.75	-10.52	0.00	0.00	-11.75	11.00	3.00	Comments:No Change,,,,,,,
U6D2-003	12/28/2021 10:43	55.90	40.50	0.90	2.70	49.70	49.90	-11.79	-12.40	9.40	0.00	-12.39			Comments:No Change,,,,,,,
U6D2-004	10/28/2021 10:41	46.60	33.80	0.00	19.60	79.20	79.30	-1.16	-1.12	51.10	50.80	-15.87	15.00	1.00	Comments:No Change,,,,,,,
U6D2-004	11/10/2021 10:45	44.50	34.80	0.00	20.70	62.00	62.00	-3.42	-3.43	54.20	55.50	-17.44	10.00	1.00	Comments:No Change,,,,,,,

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6D2-004	12/28/2021 10:44	48.90	33.50	0.40	17.20	58.80	59.10	-3.25	-3.24	53.00	53.90	-3.24			Comments:No Change,,,,,,,
U6D2-005	10/28/2021 10:43	4.70	5.10	17.20	73.00	67.80	67.80	-3.64	-3.64	21.40	21.10	-16.05	13.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6D2-005	10/28/2021 10:44	0.60	1.10	18.90	79.40	67.00	67.00	-0.29	-0.29	21.00	20.50	-21.15	14.00	0.00	Comments:No Change,,,,,,,
U6D2-005	11/10/2021 10:48	13.10	16.00	12.50	58.40	58.40	58.40	-6.07	-6.07	18.50	18.10	-19.83	6.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6D2-005	11/10/2021 10:49	10.20	12.60	13.10	64.10	57.80	57.90	-0.74	-0.75	14.20	14.40	-19.65	7.00	0.00	Comments:No Change,,,,,,,
U6D2-005	12/28/2021 10:47	0.90	1.50	19.20	78.40	62.90	62.90	-6.14	-6.14	20.90	20.80	-20.15			Comments:No Change,Decreased VAC/Flow,,,,,,
U6D2-005	12/28/2021 10:48	3.50	4.50	19.40	72.60	62.40	62.40	-1.03	-1.04	10.20	10.10	-20.39			Comments:No Change,,,,,,,
U6D2-007	10/28/2021 10:47	47.30	34.70	0.00	18.00	80.60	80.60	-9.93	-7.71	11.30	12.00	-19.09	20.00	5.00	Comments:No Change,,,,,,,
U6D2-007	11/10/2021 10:55	45.50	35.50	0.00	19.00	73.10	72.90	-11.30	-11.23	10.10	9.50	-17.78	13.00	11.00	Comments:No Change,,,,,,,
U6D2-007	12/28/2021 10:52	53.40	35.00	0.30	11.30	65.50	65.30	-12.41	-8.24	10.00	11.40	-8.24			Comments:No Change,,,,,,,
U6D2-008	10/8/2021 10:05	46.20	34.20	0.00	19.60	82.20	82.30	-0.14	-0.14	0.00	0.00	-19.81			Comments:No Change,,,,,,,
U6D2-008	11/10/2021 10:59	44.50	34.10	0.00	21.40	58.60	58.60	-0.68	-0.68	0.00	0.00	-15.72	9.00	0.00	Comments:No Change,,,,,,,
U6D2-008	12/28/2021 10:54	52.00	31.30	1.00	15.70	63.50	63.60	-16.84	-16.83	3.80	3.90	-16.83			Comments:No Change,,,,,,,
U6D2-010	10/28/2021 10:16	0.20	5.20	12.20	82.40	71.40	71.40	-22.84	-21.84	0.00	0.00	-21.84	13.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6D2-010	10/28/2021 10:17	0.10	6.40	10.30	83.20	71.50	71.50	-23.05	-23.50	0.00	0.00	-24.34	13.00	0.00	Comments:No Change,,,,,,,
U6D2-010	11/10/2021 10:23	0.00	3.30	16.70	80.00	59.50	59.50	-21.83	-21.83	0.00	0.00	-21.83	7.00	0.00	Comments:Decreased VAC/Flow,,,,,,,
U6D2-010	11/10/2021 10:24	0.00	2.30	17.80	79.90	59.40	59.40	-21.95	-21.37	0.00	0.00	-21.37	7.00	0.00	Comments:No Change,,,,,,,
U6D2-010	12/28/2021 10:30	0.20	1.30	18.40	80.10	51.60	51.70	-22.14	-22.13	0.00	0.00	-22.13			Comments:Decreased VAC/Flow,,,,,,,
U6D2-010	12/28/2021 10:31	0.10	0.80	19.10	80.00	50.50	50.50	-21.06	-21.07	0.00	0.00	-21.08			Comments:No Change,,,,,,,
U6D2-011	10/28/2021 10:15	30.20	22.80	0.60	46.40	86.70	86.70	-1.56	-1.55	0.00	0.00	-22.85	14.00	0.00	Comments:No Change,,,,,,,
U6D2-011	11/10/2021 10:19	23.40	22.80	0.80	53.00	84.60	84.70	-1.65	-1.25	0.00	0.00	-17.07	8.00	0.00	Comments:No Change,,,,,,,
U6D2-011	12/28/2021 10:18	60.40	39.40	0.20	0.00	66.50	66.50	-21.05	-21.05	8.80	11.70	-22.60			Comments:No Change,,,,,,,
U6D2-06B	10/8/2021 10:08	47.40	33.80	0.00	18.80	84.90	84.90	-0.52	-0.52			-16.50			
U6D2-06B	11/10/2021 10:52	47.50	35.20	0.00	17.30	63.00	63.00	-1.47	-1.42	0.00	0.00	-17.79	9.00	0.00	
U6D2-06B	12/28/2021 10:50	53.60	33.10	0.40	12.90	62.10	62.10	-16.60	-17.43	3.70	3.40	-17.42			
U6D2-101	10/28/2021 13:02	60.00	40.00	0.00	0.00	101.60	100.80	-11.38	-5.80	0.00	0.00	-16.45	41.00	4.00	
U6D2-101	11/10/2021 13:10	59.30	40.70	0.00	0.00	99.70	99.50	-6.30	-6.31	0.00	0.00	-19.37	26.00	7.00	
U6D2-101	12/28/2021 11:43	59.90	40.00	0.10	0.00	59.70	59.90	-0.42	-1.53	0.00	0.00	-20.48			
U6D2-102	10/28/2021 13:14	33.50	28.00	2.50	36.00	105.80	102.70	-11.48	-9.04	0.00	0.00	-14.73	65.00	6.00	
U6D2-102	11/10/2021 13:14	34.80	30.10	2.90	32.20	94.50	90.20	-12.25	-5.26			-3.22	49.00	5.00	
U6D2-102	11/10/2021 13:16	53.30	35.40	1.90	9.40	71.60	71.50	-0.76	-0.75	12.40	12.40	-0.75	14.00	0.00	
U6D2-102	12/28/2021 11:45	43.70	32.60	2.20	21.50	60.80	60.90	-2.88	-2.86	23.60	24.10	-12.43			
U6D2-LCRS1	10/28/2021 11:38	12.40	13.70	7.10	66.80	80.90	81.00	-3.03	-3.03	0.00	0.00	-21.52	24.00	0.00	
U6D2-LCRS1	10/28/2021 11:39	12.80	14.30	7.10	65.80	80.00	80.10	-3.05	-3.05	0.00	0.00	-21.23	25.00	0.00	
U6D2-LCRS1	11/10/2021 11:48	10.00	14.30	8.90	66.80	68.10	68.30	-0.77	-0.72	0.00	0.00	-19.17	19.00	0.00	
U6D2-LCRS1	11/10/2021 11:49	10.20	14.50	8.80	66.50	68.30	68.40	-0.26	-0.25	0.00	0.00	-19.72	20.00	0.00	
U6D2-LCRS1	12/28/2021 11:34	50.50	32.60	2.80	14.10	56.20	56.60	-13.81	-13.83	0.00	0.00	-13.84			
U6F-L101	10/8/2021 10:26	36.10	57.00	0.00	6.90	72.00	72.10	-0.10	-0.11	22.30	22.30	-8.62			

Attachment 5 - Yolo County Central Landfill - Well Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U6F-L101	11/10/2021 12:07	34.30	65.70	0.00	0.00	63.50	63.50	0.02	0.04	0.00	0.00	0.07			
U6F-L101	11/10/2021 12:08	33.30	66.70	0.00	0.00	63.90	63.90	0.11	0.09	0.00	0.00	0.10			
U6F-L101	11/23/2021 10:11	41.20	58.80	0.00	0.00	68.20	68.10	-0.31	-0.22	14.00	12.50	-14.30			
U6F-L101	12/28/2021 10:57	41.40	57.20	0.00	1.40	67.90	67.90	-0.11	-0.12	17.30	17.30	-11.91			
U6F-L102	10/8/2021 10:29	25.20	46.20	3.00	25.60	86.50	86.50	-0.16	-0.14	33.50	33.20	-16.07			
U6F-L102	11/10/2021 12:04	35.00	64.90	0.00	0.10	62.70	62.70	0.09	0.09	0.00	0.00	0.09			
U6F-L102	11/10/2021 12:05	34.50	65.50	0.00	0.00	63.70	63.80	0.01	0.02	0.00	0.00	0.04			
U6F-L102	11/23/2021 10:08	32.20	56.20	0.60	11.00	85.80	85.70	-1.01	-0.49	37.30	24.60	-17.15			
U6F-L102	12/28/2021 10:53	35.00	62.00	0.00	3.00	83.20	83.20	-0.38	-0.38	24.70	24.70	-18.52			

Attachment 5 - Yolo County Central Landfill - Sample Port Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
GP-SP2	10/28/2021 13:18	44.00	30.30	0.00	25.70	91.20	91.20	-24.42	-25.42	0.00	0.00	0.28			
GP-SP2	11/10/2021 13:26	41.40	29.90	0.20	28.50	66.80	66.70	-25.86	-25.09	0.00	0.00	0.07			
GP-SP2	12/28/2021 12:36	45.20	31.10	0.40	23.30	47.40	47.40	-26.35	-26.32	0.00	0.00	-26.31			
GP-SP3	10/28/2021 13:17	42.70	30.70	0.00	26.60	79.30	79.60	-24.52	-24.68	0.00	0.00	0.10	8.00	0.00	
GP-SP3	11/10/2021 13:27	40.30	29.80	0.00	29.90	84.30	84.30	-24.87	-24.86	0.00	0.00	0.02			
GP-SP3	12/28/2021 12:37	44.50	31.20	0.30	24.00	46.30	46.10	-26.20	-26.19	0.00	0.00	-26.19			
IVD-SP1	10/28/2021 12:35	44.90	44.90	0.00	10.20	73.70	73.60	-21.11	-18.06	0.00	0.00	1.22	149.00	5.00	
IVD-SP1	11/10/2021 11:56	43.00	39.70	0.20	17.10	63.60	63.50	-11.23	-14.82	0.00	0.00	0.29			
U01-SP1	10/28/2021 09:20	44.90	33.00	0.20	21.90	64.70	64.60	-23.60	-23.62	0.00	0.00	-22.87	8.00	0.00	
U01-SP1	11/10/2021 09:29	45.70	32.80	0.00	21.50	56.60	56.60	-23.08	-23.04	0.00	0.00	-22.37			
U01-SP1	12/28/2021 08:52	47.00	33.00	0.00	20.00	42.30	42.30	-24.57	-24.54	0.00	0.00	-24.25			
U01-SP2	10/28/2021 09:36	47.10	34.30	0.00	18.60	63.10	63.50	-22.40	-21.64	0.00	0.00	0.09	9.00	0.00	
U01-SP2	11/10/2021 09:53	49.30	34.10	0.00	16.60	59.00	59.00	-22.28	-22.26	0.00	0.00	0.07			
U01-SP2	12/28/2021 09:13	49.20	33.60	0.00	17.20	42.30	42.30	-23.07	-23.02	0.00	0.00	3.30			
U01-SP3	10/28/2021 14:04	50.80	31.70	0.00	17.50	90.20	90.50	-19.90	-19.95	0.00	0.00	-20.32			
U01-SP3	11/10/2021 10:16	51.40	34.20	0.00	14.40	72.20	72.20	-22.02	-22.02	0.00	0.00	-22.18			
U01-SP3	12/28/2021 09:35	50.40	34.10	0.00	15.50	46.20	46.30	-21.89	-21.89	0.00	0.00	-21.60			
U01-SP4	10/28/2021 10:19	51.70	33.60	0.00	14.70	80.20	80.10	-22.25	-20.34	0.00	0.00	-22.69			
U01-SP4	11/10/2021 10:29	45.40	32.20	0.00	22.40	75.10	75.00	-21.89	-21.86	0.00	0.00	-21.85			
U01-SP4	12/28/2021 09:44	47.30	34.70	0.00	18.00	50.20	50.10	-21.89	-21.91	0.00	0.00	-21.11			
U02-SP1	10/28/2021 10:24	50.20	32.80	0.00	17.00	82.40	82.30	-24.04	-20.79	0.00	0.00	-23.43			
U02-SP1	11/10/2021 10:33	49.50	32.80	0.00	17.70	76.60	76.60	-23.41	-23.42	0.00	0.00	-23.29			
U02-SP2	10/28/2021 13:02	49.20	31.90	0.00	18.90	89.10	89.20	-22.24	-22.58	0.00	0.00	-22.75			
U02-SP2	11/10/2021 08:50	49.50	32.90	0.00	17.60	56.90	56.80	-24.07	-24.02	0.00	0.00	-23.60			
U02-SP3	10/28/2021 09:15	45.60	30.30	0.40	23.70	63.80	64.00	-22.88	-23.45	0.00	0.00	0.89	6.00	0.00	
U02-SP3	11/10/2021 09:25	45.70	33.20	0.00	21.10	57.50	57.50	-23.18	-23.17	0.00	0.00	-0.72			
U03-SP1	10/28/2021 12:09	27.60	24.70	0.20	47.50	72.90	72.90	-20.78	-22.01	0.00	0.00	-20.21	13.00	0.00	
U03-SP1	11/10/2021 10:36	26.60	23.50	0.70	49.20	60.60	60.60	-11.97	-12.10	0.00	0.00	-9.74			
U03-SP1	12/28/2021 09:55	7.00	8.20	13.80	71.00	46.30	46.20	-26.29	-26.26	0.00	0.00	-25.77			
U03-SP2	10/28/2021 12:17	27.50	23.90	0.10	48.50	69.90	69.70	-1.98	-1.97	0.00	0.00	-0.96	13.00	0.00	
U03-SP2	11/10/2021 10:37	23.60	22.60	1.10	52.70	78.40	78.40	-6.77	-7.24	0.00	0.00	-6.32			
U03-SP2	12/28/2021 09:48	2.90	6.10	14.90	76.10	54.00	54.40	-0.25	-0.24	0.00	0.00	-0.11			
U03-SP3	10/28/2021 12:15	33.80	25.20	0.50	40.50	73.70	73.90	-1.92	-1.42	0.00	0.00	-1.75	13.00	0.00	
U03-SP3	11/10/2021 10:42	30.80	23.00	2.90	43.30	78.10	78.10	-6.09	-6.11	0.00	0.00	-5.96			
U03-SP4	10/28/2021 12:11	28.20	23.90	0.80	47.10	70.80	70.60	-0.40	-0.40	0.00	0.00	-0.59	10.00	0.00	
U03-SP4	11/10/2021 10:40	29.40	24.50	0.80	45.30	60.20	60.10	-4.73	-4.73	0.00	0.00	-4.12			
U04-SP1_	10/28/2021 09:57	49.80	33.20	0.00	17.00	0.00	0.00	-14.35	-16.28	0.00	0.00	-15.51	20.00	0.00	
U04-SP1_	11/10/2021 10:10	47.60	35.20	0.50	16.70	0.00	0.00	-20.68	-20.66	0.00	0.00	-20.66	11.00	0.00	
U04-SP2_	10/28/2021 09:47	46.30	34.00	0.00	19.70	0.00	0.00	-15.61	-16.14	0.00	0.00	-13.12	20.00	0.00	
U04-SP2_	11/10/2021 10:07	44.90	34.60	0.70	19.80	0.00	0.00	-19.76	-19.77	0.00	0.00	-19.78	9.00	0.00	
U04-SP3_	10/28/2021 09:44	46.10	34.10	0.00	19.80	0.00	0.00	-16.02	-12.50	0.00	0.00	-15.44	20.00	0.00	
U04-SP3_	11/10/2021 10:04	45.30	34.40	0.70	19.60	0.00	0.00	-19.39	-19.41	0.00	0.00	-19.42	8.00	0.00	
U05-SP1_	10/28/2021 09:41	47.10	34.60	0.00	18.30	0.00	0.00	-15.66	-14.29	0.00	0.00	-15.19	21.00	0.00	

Attachment 5 - Yolo County Central Landfill - Sample Port Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
U05-SP1_	11/10/2021 10:01	45.90	34.60	0.80	18.70	0.00	0.00	-19.16	-19.16	0.00	0.00	-19.17	8.00	0.00	
U05-SP2_	10/28/2021 09:37	54.10	37.30	0.00	8.60	0.00	0.00	-15.39	-16.51	0.00	0.00	-13.93	17.00	0.00	
U05-SP2_	11/10/2021 09:57	45.10	34.20	1.00	19.70	0.00	0.00	-18.81	-18.83	0.00	0.00	-18.85	9.00	0.00	
U05-SP3_	10/28/2021 09:33	53.10	36.00	0.00	10.90	0.00	0.00	-15.86	-16.75	0.00	0.00	-17.04	17.00	0.00	
U05-SP3_	11/10/2021 09:45	45.00	33.00	1.70	20.30	0.00	0.00	-18.66	-18.67	0.00	0.00	-18.68	8.00	0.00	
U05-SP4_	10/28/2021 09:30	52.40	36.40	0.00	11.20	0.00	0.00	-16.66	-16.65	0.00	0.00	-17.08	17.00	0.00	
U05-SP4_	11/10/2021 09:39	43.10	31.10	2.30	23.50	0.00	0.00	-18.49	-18.50	0.00	0.00	-18.50	6.00	0.00	
U05-SP5_	10/28/2021 09:26	53.00	36.30	0.10	10.60	0.00	0.00	-16.44	-16.01	0.00	0.00	-16.95	16.00	0.00	
U05-SP5_	11/10/2021 09:36	42.20	30.50	2.50	24.80	0.00	0.00	-18.54	-18.53	0.00	0.00	-18.53	6.00	0.00	
U05-SP6_	10/28/2021 09:21	50.00	34.70	0.70	14.60	0.00	0.00	-17.10	-17.10	0.00	0.00	-17.11	14.00	0.00	
U05-SP6_	11/10/2021 09:32	17.20	12.10	13.20	57.50	0.00	0.00	-18.46	-18.45	0.00	0.00	-18.46	5.00	0.00	
U05-SP7_	10/28/2021 09:17	49.80	34.50	0.70	15.00	0.00	0.00	-16.75	-16.54	0.00	0.00	-16.99	14.00	0.00	
U05-SP7_	11/10/2021 09:28	47.60	32.60	1.20	18.60	0.00	0.00	-18.46	-18.46	0.00	0.00	-18.47	6.00	0.00	
U05-SP8_	10/28/2021 10:32	49.40	34.80	0.00	15.80	67.20	66.90	-16.21	-15.15	0.00	0.00	-16.89	5.00	0.00	
U05-SP8_	11/10/2021 12:48	50.50	31.90	0.00	17.60	66.70	66.70	-17.07	-17.09	0.00	0.00	-17.39			
U05-SP8_	12/28/2021 11:26	46.50	32.20	0.50	20.80	47.60	47.50	-17.18	-17.17	0.00	0.00	-17.18			
U123-SP1	10/28/2021 13:46	44.60	31.00	0.00	24.40	88.50	88.30	-24.29	-24.98	0.00	0.00	-23.59			
U123-SP1	11/10/2021 13:18	41.50	29.40	0.10	29.00	67.10	67.10	-24.42	-24.41	0.00	0.00	-24.46			
U123-SP1	12/28/2021 12:30	45.60	31.30	0.40	22.70	46.90	46.90	-26.40	-26.38	0.00	0.00	-26.27			
U6-SP1	10/28/2021 13:44	47.70	34.60	0.20	17.50	89.60	89.60	-23.63	-23.06	0.00	0.00	-24.01			
U6-SP1	11/10/2021 13:21	47.70	35.20	0.10	17.00	80.50	80.80	-24.53	-24.51	0.00	0.00	-24.13			
U6-SP1	12/28/2021 12:30	49.90	37.20	0.00	12.90	49.70	49.60	-25.79	-25.79	0.00	0.00	-25.82			
U6A-SP1	10/28/2021 10:41	46.20	34.40	0.10	19.30	67.00	67.20	-17.19	-16.32	0.00	0.00	-16.82	19.00	0.00	
U6A-SP1	11/10/2021 12:39	50.80	35.40	0.30	13.50	65.70	65.40	-17.21	-17.18	0.00	0.00	-17.40			
U6A-SP1	12/28/2021 11:17	57.00	37.40	0.40	5.20	45.90	45.90	-17.89	-17.86	0.00	0.00	-17.31			
U6B-SP1	10/28/2021 12:48	38.60	32.90	0.00	28.50	75.00	75.30	-11.29	-11.28	0.00	0.00	-16.56	12.00	0.00	
U6B-SP1	11/10/2021 12:15	45.10	34.90	0.00	20.00	63.70	63.90	-16.86	-16.80	0.00	0.00	-17.78			
U6B-SP1	12/28/2021 10:52	51.00	35.50	1.10	12.40	48.40	48.30	-15.83	-15.84	0.00	0.00	-18.33			
U6B-SP2	10/28/2021 12:50	41.20	33.10	0.00	25.70	88.30	88.30	-15.49	-12.83	0.00	0.00	-16.63			
U6B-SP2	11/10/2021 12:18	42.80	33.90	0.00	23.30	79.10	79.20	-17.71	-17.71	0.00	0.00	-17.32			
U6B-SP2	12/28/2021 10:55	51.50	35.10	1.20	12.20	48.50	48.60	-15.96	-15.95	0.00	0.00	-18.18			
U6C--SP1	10/28/2021 12:54	40.90	32.70	0.00	26.40	88.50	88.50	-16.75	-15.18	0.00	0.00	-10.06			
U6C--SP1	11/10/2021 12:12	43.10	34.00	0.00	22.90	75.30	75.40	-18.13	-18.59	0.00	0.00	-17.95			
U6D1-SP1	10/28/2021 12:20	40.90	33.70	0.30	25.10	72.90	72.80	-23.51	-21.75	0.00	0.00	-21.23	29.00	0.00	
U6D1-SP1	11/10/2021 11:44	44.70	36.50	0.10	18.70	63.40	63.30	-23.46	-22.99	0.00	0.00	-22.76			
U6D1-SP2	10/28/2021 12:23	42.10	35.00	0.40	22.50	74.30	74.30	-22.59	-22.12	0.00	0.00	-22.38	37.00	0.00	
U6D1-SP2	11/10/2021 11:46	43.80	35.30	0.40	20.50	63.20	63.20	-21.13	-21.12	0.00	0.00	-24.46			
U6D1-SP3	10/28/2021 12:29	42.20	35.70	0.30	21.80	75.30	75.10	-21.62	-20.64	0.00	0.00	-21.19	41.00	0.00	
U6D1-SP3	11/10/2021 11:52	43.10	35.30	0.30	21.30	77.00	76.90	-20.10	-21.76	0.00	0.00	-21.01			
U6D2-SP1	10/28/2021 12:37	41.80	34.80	0.00	23.40	74.80	74.60	-13.73	-15.56	0.00	0.00	0.52	42.00	0.00	
U6D2-SP1	11/10/2021 12:04	44.60	34.80	0.00	20.60	78.50	78.40	-18.27	-18.27	0.00	0.00	-17.88			
YOLOBFS1	10/8/2021 08:12	45.30	34.00	1.20	19.50	56.70	56.80	-31.55	-31.57	1330.00	1330.00				
YOLOBFS1	10/28/2021 08:08	47.00	33.90	0.70	18.40	72.60	72.50	-32.23	-32.64	0.00	0.00				

Attachment 5 - Yolo County Central Landfill - Sample Port Data - 10/01/2021 to 12/31/2021

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Adj Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	System Pressure ("H20)	CO	H2S	Comments
YOLOBFS1	10/28/2021 13:28	46.80	33.90	0.10	19.20	90.00	90.30	-30.48	-29.81	1250.00	1250.00				
YOLOBFS1	11/10/2021 08:05	45.60	33.00	0.50	20.90	60.40	60.30	-33.02	-33.01	0.00	0.00				
YOLOBFS1	11/10/2021 14:18	45.10	33.10	0.10	21.70	89.90	89.90	-30.77	-31.12	1463.00	1463.00				
YOLOBFS1	11/23/2021 09:58	46.60	34.00	0.80	18.60	50.80	50.80	-31.85	-31.83	1340.00	1340.00				
YOLOBFS1	12/28/2021 07:36	49.10	34.60	0.90	15.40	41.30	41.30	-32.69	-32.70	0.00	0.00				
YOLOBFS1	12/28/2021 12:42	48.70	35.80	0.10	15.40	51.50	51.80	-31.29	-31.29	880.00	880.00				

Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation at the Yolo County Central Landfill

Prepared for:
Yolo County Department of Community Services
Integrated Waste Management Division
44090 County Road 28H
Woodland, CA 95776
530-666-8073

SCS FIELD SERVICES

070007222 | February 24, 2022

3117 Fite Circle, Suite 108
Sacramento, CA 95827
916-361-1297

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Appendices

1 EXHIBIT A: PROPOSAL COVER LETTER

February 24, 2022

File No. 070007222

Yolo Community Services Department
Division of Integrated Waste Management
44090 County Road 28H
Woodland, CA 95776

Subject: SCS Engineers Proposal Response to the County of Yolo RFP for Landfill Gas Systems LFGS); Design, Construction Quality Assurance (CQA), Monitoring, Maintenance and Operation (OM&M) at the Yolo County Central Landfill

Dear Yolo Community Services Department;

SCS Engineers is pleased to present our proposal to the County of Yolo (County) in response to the Request for Proposals (RFP) to provide capable and timely delivery of LFGS: Design, CQA, OM&M, Construction and Repair services for the Yolo County Central Landfill. With the ongoing changes to environmental regulations related to landfills and associated landfill gas collection and control and recovery utilization systems, the SCS Engineers and Field Services (SCS) Team understands how important it is to not only analyze the data, but to confirm that we understand regulatory requirement nuances in order to create the appropriate approach when providing solutions to our valued clients like the County.

With respect to these regulatory changes and challenges, the SCS Team will utilize our experience to assess the strengths and weaknesses of your current system and identify innovative, but practical, and implementable strategies to optimize the performance of your specific programs and facilities.

Project Manager Michael (Mike) Calmes will lead our Project Team that are local experts, already very familiar with the Yolo County Central Landfill (Landfill) and the regulatory challenges the County faces.

Our proposed Project Team has first-hand knowledge of and experience with the Yolo County Central Landfill, and are experienced in all aspects of the proposed Scope of Work. We have been under the direction of the County performing LFG OM&M services successfully since 2018.

What Differentiates SCS from Other Consultant Firms

The LFGS; Design, CQA, OM&M, Construction and Repair Support Project means more than just completing quality work on time. It also means proactively looking for ways to improve LFGS performance, while keeping our focus centered on how we can best meet your needs. As your consultant, below are reasons why SCS is the best fit.

We Have Experience Collaborating with the County since 2018. We have a keen understanding of County operations, including LFGS OM&M and your solid waste system. We will continue to consistently approach County projects with attention to detail, technical acumen, and dedication to quality.

SCS is One of the Elite Solid Waste Consulting Firms in the Nation - According to McGraw Hill's *Engineering News Record*, the engineering industry's preeminent rankings publication, **SCS is ranked #1 in the nation as a Solid Waste Design Firm** and #73 from the top 500 environmental firms in the nation, as of July 2021.

We have an Exceptionally Strong Project Team. Our Team combines direct experience working at the Yolo County Central Landfill with Quality Assurance oversight by Reviewing Principals Anton (Tony) Svorinich of SCS Field Services (SCS FS) and Patrick (Pat) Sullivan of SCS Engineers; a combined total of 62 years of environmental service experience.

Local Expertise and Industry Relationships. SCS's local expertise and extensive relationships within the waste management and recycling industry—public, private, commercial, and regulatory—will optimize the County's project outcomes as we provide the County with cost-effective, quality service.

SCS is Uniquely Driven to Provide Exceptional Customer Service Our firm is entirely employee-owned which means that each employee is an owner and has a stake in the success of every County project. We recognize that our success is completely dependent on the success of our clients.

Critical Success Factors

- **SCS is a full spectrum LFG System services firm you know and trust to maintain continuity & cohesiveness.**
- **We have an exceptional safety record without compromising schedule or budget.**
- **SCS will maximize efficiencies and value-added service through "value engineering" and state-of-the-art technology.**

Achieving Long-Term Results

It has been our pleasure to manage SCS services to the County on current and previously awarded work. We look forward to providing oversight for LFGS; Design, CQA, OM&M, Construction and Repair services provided to the County under this new contract and on behalf of all SCS staff that will serve the County, we are fully committed to continue to performing high-quality work in a safe, reliable, value-added manner, while meeting expectations for excellent service, timely reporting, and overall value for every dollar spent. Pat and I are authorized to make representations for SCS and we are authorized to bind SCS to a contract with the County of Yolo that results from this RFP.

SCS meets the minimum qualifications stated in this RFP and we understand the work to be done. SCS is able to accomplish the scope of services in a comprehensive, timely and thorough manner to meet the needs of the County, including specialized equipment needed. We acknowledge all addendums.

SCS has carefully reviewed the County of Yolo's sample contract. We respectfully request minor modifications. If SCS is selected, we look forward to discussions/negotiations with the County upon contract award.

We would consider it a privilege to continue serving the County. Should you have questions concerning any aspect of our proposal, please do not hesitate to contact either Pat or myself directly via our contact information below.

Sincerely,

Anton Z. Svorinich Jr.
Vice President, Regional OM&M Manager

SCS Field Services

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SCS Engineers

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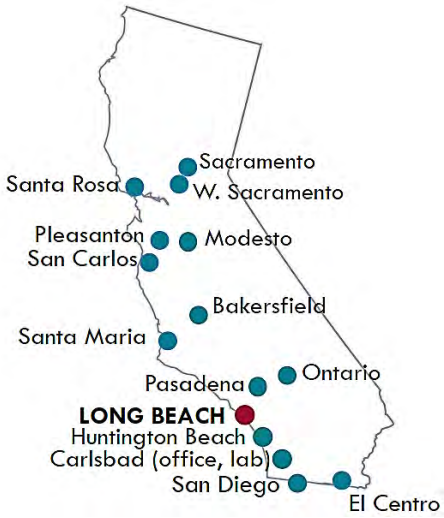
TS/rr

2 EXHIBIT B: PROPOSER'S QUALIFICATIONS

SCS Overview

Established in 1970, Stearns, Conrad, and Schmidt, Consulting Engineers, Inc. dba SCS Engineers, SCS Field Services, and SCS Energy (SCS) is one of the most widely respected, employee-owned, solid waste consulting firms in the nation. We have grown to a staff of more than 1,063 highly qualified planners, financial analysts, engineers, geologists, constructors, operators, consultants, and support staff located in 73 offices, serving clients in 50 states and internationally. This includes 15 offices throughout California and 344 employees.



During the past three years, the number of SCS employees have increased by 25 percent. SCS is headquartered in Long Beach, California. We will serve the County from our offices in Sacramento and Modesto, CA, with active involvement of senior staff throughout California.

As national leaders in the design and OM&M of Landfill Gas (LFG) and Landfill Gas to Energy (LFGTE) systems, we employ some of the foremost landfill engineers and field services technicians in the nation.

We have provided some/all of the scope of services noted in the RFP at approximately half of the landfills in the U.S. SCS currently performs some/all of the exact services listed in the RFP at 65 landfills in Northern and Central California (See **Table 2 -** SCS West Region Landfill Gas OM&M Projects listed on page 8; **Table 3** - SCS Western Region Landfill & LFG Engineering Projects on page 17; and **Table 4** SCS California Air Quality and GHG Projects on page 29).

SCS divisions and business units work together to provide our clients with smart, cohesive, cost-effective solutions that work. SCS strives for superior quality, responsiveness, and integrity that our clients and our staff depend upon. We share our knowledge and our innovations with the industries we serve.

Stability & Reliability

We routinely complete tasks in a timely and professional manner, meet regulatory reporting deadlines, and stay within budget. Approximately 85% of the clients we work for return to us for additional services whenever they have a need. This would not be possible if we did not have an outstanding record of adherence to project timetables and budgets. This high percentage of repeat-business is the natural result of producing high-quality work product, helping clients achieve desired project outcomes, and truly having our clients' best interests in mind.

Financial Strength

SCS routinely completes tasks in a timely and professional manner, meets regulatory reporting deadlines, and stays within budget. We consistently operate profitably. In 2021, our revenues were a company record of $349M, exceeding our 2020 revenue record by 38%. Our backlog remains strong

at $396M, the equivalent of over a year of work at our current billing pace. This means we have long-term stability to support this project.

Size and Scale

Our highly experienced team of professionals includes some of the most skilled LFG system technicians, and repair/ construction personnel in the industry; environmental, civil, mechanical, electrical, chemical, and geotechnical engineers; geologists and hydrogeologists; industrial hygienists, soil scientists, biologists, chemists, and environmental scientists; sustainable materials management experts; and technicians certified in a number of specific disciplines. Many of our professionals have interdisciplinary backgrounds, and multidisciplinary training and experience.

Corporate Philosophy

SCS believes in localized, high-quality, personalized client support. There is no substitute for knowing and trusting the people with whom you do business. We believe in organic growth, complimented by strategic acquisitions, not the other way around. As we've grown, we've opened offices in the areas of the country where we can best support clients. This is how SCS has grown from a three-person start-up in 1970 to one of the pre-eminent landfill engineering firms in the nation — and this is how we will continue to grow and thrive.

Our vision is to create value and success for clients and employee-owners in solving environmentally driven challenges. Client success drives our success. Approximately 85 percent of our clients return to us for additional services whenever they have a need. This would not be possible if we did not have an outstanding record of adherence to project timetables and budgets. This high percentage of repeat-business results from producing high-quality work products, helping clients to achieve desired project outcomes, and having our clients' best interests in mind.

History of Innovation

With many industry "firsts," we continue to advance ways for government agencies and commercial businesses to comply with federal, state, and local air quality environmental regulations as cost effectively as possible. For example, in 2008, SCS developed the guidance document entitled, Technologies and Management Options for Reducing Greenhouse Gas Emissions from Landfills, under contract to the California Integrated Waste Management Board (CIWMB), now CalRecycle. This document is referenced by the California Air Resources Board (CARB) as the specific guidance to help landfill owners and operators comply with the AB 32 Landfill Methane Rule (LMR) in California.

Sustainability

For the past five decades, SCS has addressed disposal needs of cities, counties, and Authorities while ensuring compliance with federal and state regulations and requirements. We have an entire practice area devoted to SMM—one of our fastest growing and most vibrant areas of specialization. In California, we work with a number of municipalities to address SMM, with programs focused on recycling, organics, education and outreach, business technical assistance, and regulatory compliance. The breadth of our Sustainability practice includes MRF and transfer station permitting and design, and other operations related to waste recycling and reuse.

Recent Composting Experience

SCS has been tracking the development of California's mandatory composting regulation, Senate Bill (SB) 1383, since its inception, and has devoted extensive staff time and resources to

understanding the requirements and nuances of the legislation. We know how important this legislation is to the County's operation and continuing efforts to become sustainable. We have developed an SB 1383 Roadmap for jurisdictions to use when planning and scheduling their activities to comply with the mandates, and have revised ordinances and agreements in relation to the regulation, as well as conducted capacity studies for organics processing and edible food recovery. Our staff is well versed in all aspects of the regulation, and will bring to this project our strong working knowledge of the regulation and implementation requirements.

A. SUMMARY OF EXPERIENCE &

B. EXPERIENCE WORKING WITH GOVERNMENT AGENCIES ON SIMILAR PROJECTS

SCS specializes in solid waste engineering and monitoring services for local government and private industry clients alike, and we are recognized worldwide for work in both landfill engineering and LFG management. This recognition is the result of successfully completing more than 1,000 landfill siting, design, permitting, construction, closure, and investigation projects, over 6,000 LFG projects, and hundreds of solid waste study projects.

The design, permitting, construction, and operation of landfills, transfer facilities, and related solid waste facilities are fundamental services provided by SCS. We apply a combination of skills and experience in engineering, natural and physical sciences, construction, project management, and operations to support the needs of solid waste clients to enhance project value. We work hard to provide clients with solutions that save time, get the most from the project budget, avoid regulatory and legal obstacles, and optimize community aesthetic and stakeholder relationships.

In response to our clients' needs for "one-stop shopping," SCS established SCS Field Services in 1985 to provide design-build and construction services for environmental control facilities under one roof. The SCS Field Services Division also provides OM&M services for solid waste facilities. SCS's Field Services Division operates more than 450 LFG and other environmental control systems nationally. In addition, SCS's Construction Division provides the full-range of construction engineering and quality assurance services for construction elements of municipal solid waste landfills and other solid waste facilities, remediation projects involving groundwater and soil extraction and treatment, LFG extraction and migration controls, and other environmental construction projects.

The company's strong track record continues to be bolstered by both project and volunteer work by SCS's team of professionals, technicians, and support staff, many with tenures of 15 to 25 years or more. SCS personnel have long been active in and leaders of industry and professional associations, through which they organize and participate in workshops and conferences, author and present technical papers, conduct research, and participate in national and state-level legislative and rule- making processes regarding the regulation of landfill and LFG management practices. Our landfill and LFG engineering service areas are listed below.

Table 1. SCS Landfill Services

Landfill Services	**LFG Management** • Air Quality Permitting • Construction • Design and Permitting • Due Diligence for Financing • LFG Control Systems • LFG-to-Energy (LFGE) • Operation and Maintenance • Site Investigations **Remediation** • LFG Migration • Remedial Measures • Feasibility Studies • Design • Construction Management **Landfill Engineering** • Design and Permitting • Alternative Liner Demonstrations • Alternatives Evaluation • Bid Documents • Bioreactors • Capacity Optimization • Construction Plans • Construction Services • Construction Quality Assurance (CQA) • Feasibility Studies • Geotechnical Engineering • Hydraulics • Hydrogeology	• Landfill Designs (All Phases) • Leachate Collection Systems • Liner System Design • Permitting, Expansions • Permitting, Greenfield Sites • Site Investigations • Siting **Operations Program Development** • Airspace Management • Alternate Daily Cover • Alternate Materials Application • Hazardous Waste Exclusions • Special Waste Management **Closure/Post-Closure** • Planning and Permitting • Final Cover Designs • Closure Documentation • End-Use Planning • Post-Closure Monitoring and Inspection • Financial Assurance • Landfill Redevelopment **Groundwater Monitoring** • Well Installation • Monitoring Plan • Reporting • Corrective Action • Investigation and Modeling

LFG Systems Operations and Maintenance (O&M)

SCS provides over 50 years of LFG collection system operations, engineering, and design experience to support our clients' needs. We offer clients full-service, in-house expertise for design, installation, startup, and long-term OM&M of LFG collection systems, liquid management systems, and related landfill services. SCS is the largest and most experienced LFG technical operations and construction company in the country, as demonstrated by the fact that: (1) SCS provides OM&M services at over 450 landfill sites nationwide; (2) since 1985, SCS has constructed over 750 LFG collection/flaring systems; and (3), since 1970, SCS has performed over 6,500 LFG collection/protection and recovery facilities designs and engineering-related investigations.

SCS's OM&M projects include LFG testing, surface emissions testing, groundwater and leachate management, LFG system construction, repair and modification, flare emissions source testing, blower/flare maintenance and repair, LFG system construction and startup, and monitoring. We have

provided these services at many western region active and closed landfills, as shown in **Table 2** below.

Table 2. SCS West Region Landfill Gas OM&M Projects

Site Name and Location	LFG Testing	Surface Emissions Testing	Groundwater/Leachate Mgmt.	LFG System Repair/ Modification	Flare Emissions Source Testing	Blower/Flare Maintenance and Repairs	Const./Startup Services	Monitoring/O&M
Yolo County Landfill, Yolo County, CA	•			•			•	•
Altamont Landfill, Livermore, CA	•	•	•	•	•	•	•	•
American Avenue Landfill, Fresno County, CA	•	•	•	•	•	•	•	•
Ascon Landfill, Los Angeles County, CA	•	•		•	•	•	•	•
City of Berkeley Landfill, Alameda County, CA	•	•	•	•	•	•	•	•
BKK Landfill, Los Angeles County, CA	•	•	•	•	•	•	•	•
Bradley Landfill, Los Angeles County, CA	•	•		•		•	•	•
Burlingame Landfill, San Mateo County, CA	•	•	•	•	•	•	•	•
Butterfield Landfill, Mobile, AZ	•	•		•		•	•	•
Cal Compact Landfill, Los Angeles County, CA	•	•	•					•
Center Street Landfill, Mesa, AZ	•			•		•	•	•
Central Landfill, Sonoma County, CA	•	•	•	•		•	•	•
Chandler Landfill, Chandler, AZ	•		•	•	•	•		•
Chiquita Canyon Landfill, Los Angeles CO., CA	•		•	•	•	•	•	•
City of Page Landfill, Page, AZ								•
Coffin Butte Landfill, Benton County, OR	•	•		•		•	•	•
Columbia Ridge Landfill, Gilliam County, OR	•	•		•		•	•	•
Corral Hollow Landfill, San Joaquin County, CA	•	•		•		•	•	•
Coupeville Landfill, Island County, WA	•		•	•		•	•	•

Table 2. SCS West Region Landfill Gas OM&M Projects

Site Name and Location	LFG Testing	Surface Emissions Testing	Groundwater/Leachate Mgmt.	LFG System Repair/ Modification	Flare Emissions Source Testing	Blower/Flare Maintenance and Repairs	Const./Startup Services	Monitoring/O&M
Cummings Road Landfill, Humboldt CO., CA	•			•		•	•	•
Deer Valley Landfill, Phoenix, AZ								•
Dudleyville Landfill, Dudleyville, AZ								•
Eastern Regional Landfill, Placer County, CA	•	•	•	•	•	•	•	•
Eastgate Area Properties Landfill, King CO., WA	•			•		•	•	•
ECDC Landfill, East Carbon, UT	•	•		•		•	•	•
Eastlake Landfill, Lake County, CA	•	•		•	•	•	•	•
Foothill Landfill, San Joaquin County, CA	•	•		•		•		•
Ford Car Dealership, Los Angeles County, CA	•	•		•	•	•	•	•
Forward Landfill, San Joaquin County, CA	•	•		•	•	•	•	•
Geer Road Landfill, Stanislaus County, CA	•	•	•	•	•	•	•	•
Gray Wolfe Landfill, Yavapai, AZ								•
Guadalupe Landfill, Bay Area, CA	•	•	•	•	•	•	•	•
Harney Lane Landfill, San Joaquin County, CA	•	•		•		•	•	•
Hewitt Pit Landfill, Los Angeles County, CA	•	•		•		•	•	•
Highway 59 Landfill, Merced County, CA	•	•	•	•	•	•	•	•
Hillsboro Landfill, Hillsboro County, OR	•	•	•	•		•	•	•
Home Depot, Los Angeles County, CA	•			•		•		•
Huntington Beach Landfill, Orange County, CA	•	•		•		•	•	•
Imperial Carson Landfill, Los Angeles CO., CA	•	•		•	•	•	•	•

Table 2. SCS West Region Landfill Gas OM&M Projects

Site Name and Location	LFG Testing	Surface Emissions Testing	Groundwater/Leachate Mgmt.	LFG System Repair/ Modification	Flare Emissions Source Testing	Blower/Flare Maintenance and Repairs	Const./Startup Services	Monitoring/O&M
Industry Hills Landfill, Los Angeles County, CA	•	•		•	•	•	•	•
Ironwood Landfill, Florence, AZ	•			•		•	•	•
Kiefer Landfill, Sacramento County, CA	•	•		•		•	•	
Kirby Canyon Landfill, Bay Area, CA	•	•	•	•	•	•	•	•
Keller Canyon Landfill, Contra Costa CO., CA	•	•		•	•	•	•	•
L&D Landfill, Sacramento County, CA	•	•	•	•	•	•	•	•
Lancaster Landfill, Los Angeles County, CA	•	•	•	•	•	•	•	•
Lane Road Landfill, Orange County, CA	•	•		•		•	•	•
Lone Cactus Landfill, Phoenix, AZ								•
Loomis Landfill, Placer County, CA	•	•	•	•	•	•	•	•
Meadow Vista Landfill, Placer County, CA	•	•	•	•	•	•	•	•
Montebello Landfill, Los Angeles County	•			•		•	•	•
Mountain View Landfill, Santa Clara CO., CA	•	•	•	•		•	•	•
Neal Road Landfill, Butte County, CA	•	•	•	•	•	•	•	•
Newby Island Landfill, Santa Clara County, CA	•	•		•		•	•	•
North County Landfill, San Joaquin County, CA	•	•		•		•	•	•
Northwest Regional Landfill, Surprise, AZ	•	•		•	•	•	•	•
Olympic View Sanitary Landfill, Kitsap CO., WA	•	•	•	•	•	•	•	•
Ox Mountain Landfill, San Mateo County, CA	•	•		•		•	•	•
Oyster Bay Landfill, Alameda County, CA	•	•	•	•		•	•	•

Table 2. SCS West Region Landfill Gas OM&M Projects

Site Name and Location	LFG Testing	Surface Emissions Testing	Groundwater/Leachate Mgmt.	LFG System Repair/ Modification	Flare Emissions Source Testing	Blower/Flare Maintenance and Repairs	Const./Startup Services	Monitoring/O&M
Pacheco Pass Landfill, Santa Clara County, CA	•	•	•	•		•	•	•
Painted Desert Landfill, Joseph City, AZ	•	•		•		•	•	•
Palmdale Landfill, Los Angeles County, CA	•	•	•	•	•	•	•	•
Paso Robles Landfill, Paso Robles, CA		•	•		•			
Potrero Hills Landfill, Solano County, CA	•	•		•		•	•	•
Recology Yuba Sutter Landfill, Yuba CO., CA	•	•		•		•	•	•
Recology Hay Road Landfill, Yuba County, CA	•	•		•		•	•	•
Recology Ostrom Road Landfill, Yuba CO., CA	•	•		•	•	•	•	•
Rio Rancho Landfill, Sandoval County, NM	•	•		•	•	•	•	•
Redwood Landfill, Novato, CA	•	•	•	•	•	•	•	•
Rio Rico Landfill, Santa Cruz County, AZ	•	•	•	•	•	•	•	•
Roosevelt Landfill, Klickitat County, WA	•			•		•	•	
Salinas Valley SWA (4 sites in Monterey CO.), CA	•	•	•	•		•	•	•
Santa Cruz Landfill, Santa Cruz, CA	•	•		•	•	•	•	•
Sierra Estrella Landfill, Maricopa, AZ								•
Simi Valley Landfill, Los Angeles County, CA	•	•	•	•	•	•	•	•
Southeast Regional Landfill, Fresno County, CA	•	•		•		•	•	•
Southwest Regional Landfill, Buckeye, AZ	•	•		•		•		•
Sunnyvale Landfill, Santa Clara County, CA	•	•	•	•		•	•	•
Valencia CO. Regional Landfill, Valencia CO, NM								•

Table 2. SCS West Region Landfill Gas OM&M Projects

Site Name and Location	LFG Testing	Surface Emissions Testing	Groundwater/Leachate Mgmt.	LFG System Repair/ Modification	Flare Emissions Source Testing	Blower/Flare Maintenance and Repairs	Const./Startup Services	Monitoring/O&M
Vasco Road Landfill, Alameda County, CA	•	•		•		•	•	•
Wenatchee Landfill, Douglas County, WA	•	•		•		•	•	•
Western Regional Landfill, Placer County, CA	•	•	•	•	•	•	•	•

Landfill Gas Services

LFG Systems Engineering

LFG system engineering is an SCS specialty. SCS has been a leader in this area since the inception of the LFG industry. The first project the firm performed upon inception in 1970 was an LFG project. The firm has earned an international reputation in this specialty area, and is one of the few consulting firms in North America with a positive, proven track record in LFG management. SCS has completed over 6,000 LFG and leachate management projects throughout North America and internationally.

SCS LFG projects have included utilization feasibility studies, NSPS and other LFG emission and migration monitoring and control system designs, LFG recovery system design and construction, LFG modeling, Title V permitting, LFG-to-energy (LFGE), construction, system OM&M, and technical support to U.S. EPA on LFG issues. Our LFG practice includes the following technical areas of expertise: (1) LFG system design; (2) leachate collection and removal system (LCRS) design; (3) CQA and management; (4) construction services; (5) permitting of LFG collection and recovery systems; (6) recovery and energy production feasibility studies and LFG recovery estimates; (7) migration, odor control, and hazardous gas emission investigations; (8) Clean Air Act (e.g., Title V, NSPS/EG, etc.) compliance services; (9) GHG emissions control; (10) OM&M of LFG and LCRS systems; (11) landfill fire containment, control, and emergency response; (12) due diligence studies for project lenders/investors and for acquisitions; and (13) LFG database development and management, including internet-based websites for easy access to data online and **SCADA** (*discussed below*).

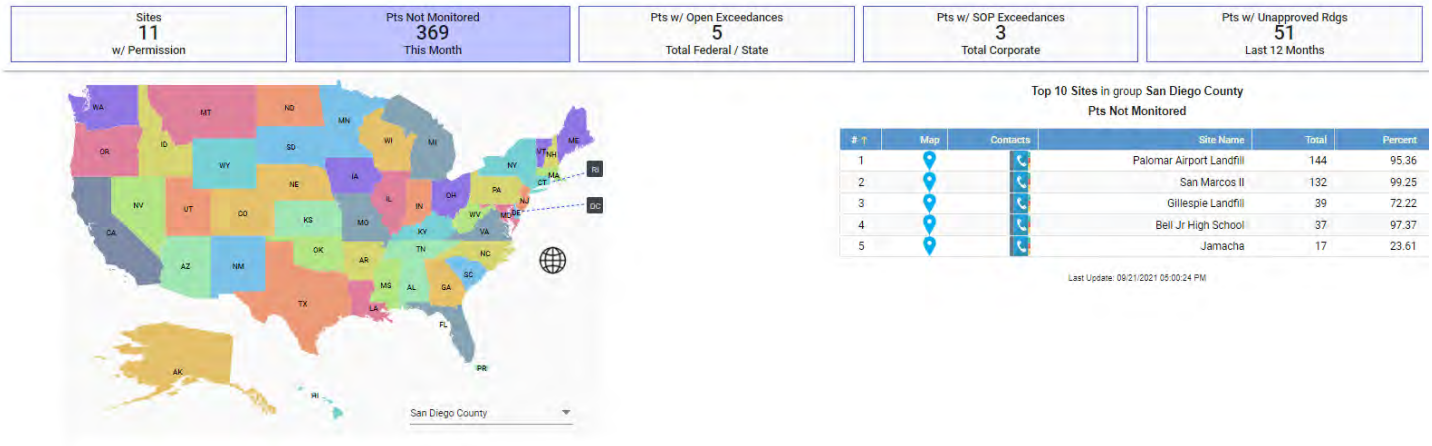
EMP/EFS/CAP Design

Many landfills in California are currently facing similar requirements to evaluate issues at older landfills, and to establish or upgrade corrective action programs. SCS is currently providing these services on a number of sites, a few of which are summarized below:

- For Merced County, California, SCS evaluated site data and completed an Evaluation Monitoring Program (EMP) for the Highway 59 Landfill. That report delineated the nature and extent of site impacts to groundwater, which was accepted by RWQCB (Fresno). SCS is also working on the EFS for the site.
- Also, for Merced County, SCS recently submitted an EMP Work Plan for the Billy Wright Landfill (shown above). This was a stand-alone amendment to the old Report of Waste Discharge, and the plan is under review by the RWQCB (Fresno). The County and SCS conducted the evaluation monitoring field work in summer 2016.
- For the City of Modesto, California, SCS prepared an evaluation monitoring work plan and recently completed the evaluation monitoring field work at the Carpenter Road Landfill. This was a CAI Unit that did not have monitoring systems. The EMP Report for the site was submitted to the RWQCB (Sacramento) and approved. Work on the EFS/CAP design began in summer 2016.
- For Oroville Landfill Properties in California, SCS performed site investigations, prepared Report of Waste Discharge, and completed a clean closure work plan for removal of wood waste for the site in Oroville. The work included financial assurance calculations for the clean closure process.
- For Potrero Hills and West Contra Costa County Sanitary Landfills in California, SCS prepared cost estimates for financial assurance for foreseeable releases and final closure of the landfills. Foreseeable release estimates included the cost to remediate a release of waste or liquid from the landfill cells that could potentially occur during the operating life of the landfills.
- SCS designed and implemented groundwater CAPs for LFG impacts to water quality for the L&D, YSDI, Geer Road, and Fink Road landfills, which are within the RWQCB (Central Region), California.

GCCS Data Management/Analysis

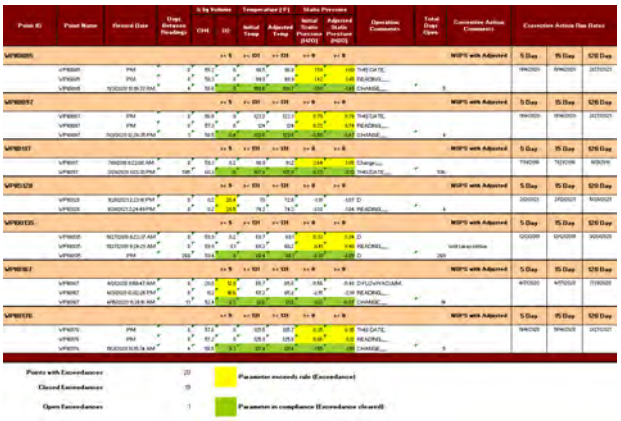
If selected for this contract, SCS can provide SCSeTools for the landfill site **at no cost to the County**. This service has been provided and utilized at the Yolo County Central Landfill for several years. SCSeTools SCS DataServices® is SCS's state-of-the-art, web-based service for managing environmental monitoring data, project documents, and compliance-related tasks. Launched in 2002, SCS DataServices is a proven system currently in use at over 650 sites (over 550 landfills) across the United States. The centerpiece of the SCS DataServices application is a site-specific application that accepts and stores electronic data collected by field monitoring instruments. In addition, project documents can also be uploaded and organized in a user-defined file tree system. Typical data management challenges, such as the location/ownership of "final" monitoring data, secure backup, and duplication of project files, are solved as data and files are stored and accessed from a cloud-based environment with nightly segregated, secure file backup.



Task and Compliance Management

To meet LFG extraction well monitoring regulatory requirements, the SCS DataServices module incorporates site-based on-screen management, which includes:

- Data approval still pending.
- Points not monitored, by type.
- Names of users assigned data approval.
- Automated data validation.
- Open tasks.
- Open exceedances.
- Programmed exceedances alerts.
- Task creation/calendar schedule tracking (*see right*).
- Link to site map.



Data Validation

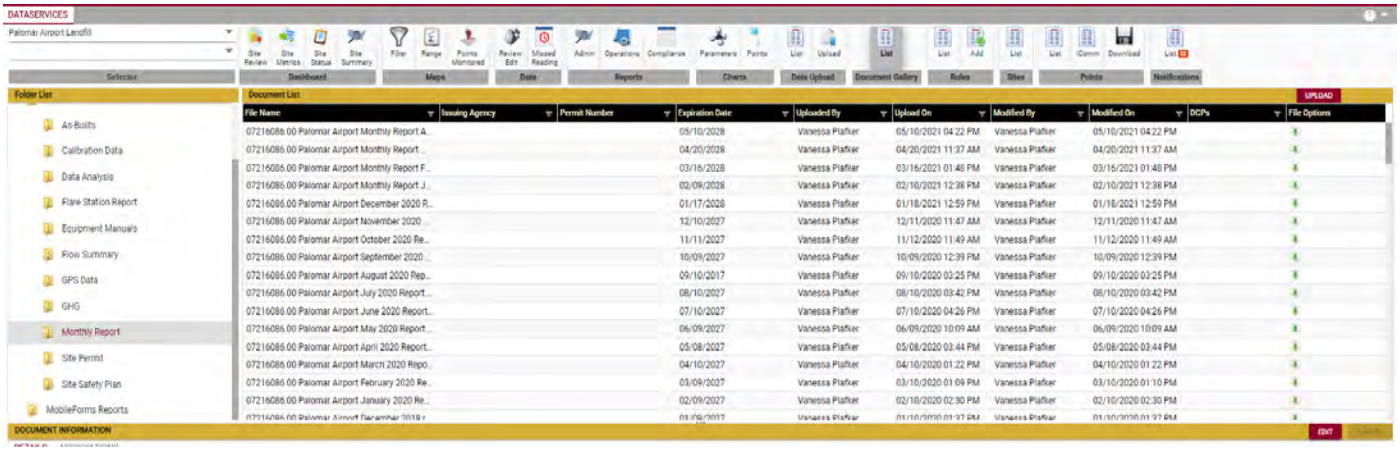
Each month, additional data analysis exceeding regulatory requirements is generated and evaluated. The additional "data views" confirm that probable monitoring trends are proactively discovered and documented. An example of the internal project management "Monitoring Data Analysis Report," "Interactive Geospatial Analysis," and "Trend Charts" will be provided to the County upon request. The free 5.0 viewer version of Google Earth™ and an internet connection (not provided) are required to access the interactive "geospatial" data analysis view.

Recordkeeping and Document Management

SCS will satisfy the record keeping and reporting requirements of the County by continuing to utilize our proprietary in-house technology services SCSeTools, and SCS DataServices. These technologies provide County staff instant access to the data gathered by SCS. The utilization of the technological tools allows SCS to meet current and proposed reporting deadlines as defined by the RFP.

Important documents pertaining to the site can be uploaded and retrieved from the SCS DataServices module (see below). Critical documents can be held in one secure area, and include:

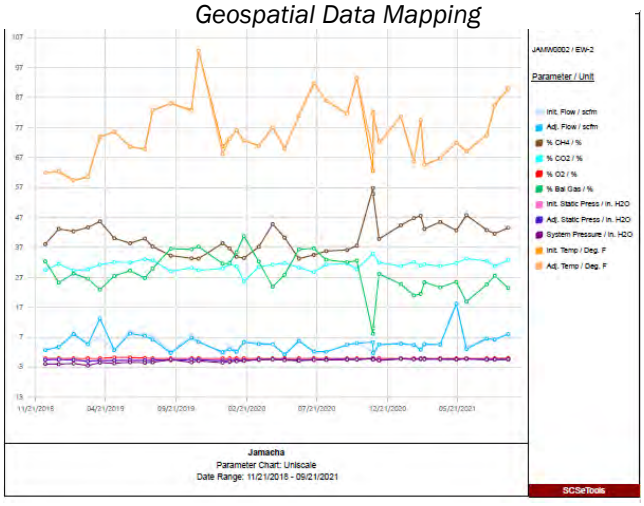
- Well logs.
- Site topographical maps.
- As-built drawings.
- Flow meter calibration forms.
- Permits.
- Health and Safety Plans.



Data Trending

Because landfills are dynamic facilities, knowing how the LFG system behaves over time is important for maximizing collection efficiency and operation. The SCS DataServices module includes trend analysis, data anomaly investigation, mapping, and reporting (*see below*). Each well, or series of wells, can be pre-programmed for trigger points using user-specified conditions, or standard regulation parameters. Data trend analyses include, but are not limited to: changes in system pressures (drops or increases), increased/decreased temperatures, increased/decreased flow rates, and potential decreased LFG generation.

Geospatial Data Mapping



Mapping is a strong feature of the SCS DataServices module, enabling visualization of site data using a Google Earth® data mapping model.

Users can:

- Select data to be mapped by point type, point ID, parameter criteria, or data range.
- Highlight special conditions, such as open exceedances, point names, or abandoned/ inactive points.
- Minimum/Maximum/Average/Most Recent Data analysis.

The SCS DataServices application is currently set up and will be maintained through the life of our service contract at no additional charge to the County. At the close of the contract, source data tables will be organized and transmitted for the County's historical site records, or inclusion into a subsequent data management application. Upon starting each contract, a site-specific website will be created and maintained to include general project information, project documents, monitoring point as-builts, monitoring point-specific trigger limits, and exceedance and quality assurance email notifications. Website access will be limited by specified password and login role: Client, Project Manager, or Technician. An example project website has been created to illustrate current site structure. Detailed training on how to navigate and use the project website will be provided during project start-up.

Ignition Perspective

The SCS RMC team has begun integrating a powerful new web-based technology called Ignition 8 into our unique client solutions. A new feature, called **Ignition Perspective**, enables us to build full **SCADA**, HMI, and alarming systems, and provide clients with not just a mobile view of operations via smartphones and other mobile devices, but full control of industrial processes. **Clarity, usability, and compatibility are excellent.**

From our experience, we believe that by implementing this system, you will better understand the operations of your flare system and be able to control it more efficiently because:

- The easy availability of compliance data will allow you **to track and maintain regulatory compliance**.
- The text message and email alarms and easy data access will allow you to quickly diagnose flare system alarms and shutdowns, maintain compliance, and potentially increase flare runtime.
- The routine automatic reports will help you to quickly evaluate flare system performance and compliance.
- The remote-control capabilities will allow you to remotely adjust operating parameters and restart your flare system.

SCS RMC Ignition Perspective App (Smart Phone View)

- If desired, data from multiple sites can be accessed through one interface.
- Create graphs based on whatever data points are being collected by the system.
- View and export historical data from the system.
- View and export an automatically generated startup-shutdown-malfunction (SSM) log, and enter notes.
- Analyze the alarms coming from the system.
- View active alarms.
- Operate the system from your mobile device.

SCS RMC systems are expandable. We have implemented many full-site landfill SCS RMC systems, which include dozens of remote data collection points.

Please see **Table 3** for a list of landfills for which SCS has provided LFG engineering services below.

Table 3. SCS Western Region Landfill & LFG Engineering Projects

Landfill Name/Location	Permitting	Liner	Drainage	Final Cover	Leachate	Alternative Cover	Slope Stability	Post-Closure Care	Hydrogeology	CQA/Const. Management	LFG Engineering
27th Avenue LF, Maricopa County, AZ	●									●	
28th Street LF, Sacramento County, CA	●			●				●			●
Altamont LF, Alameda County, CA	●	●	●	●	●			●	●		●
American Avenue LF, Fresno County, CA	●				●					●	●
American Canyon LF, Napa County, CA			●	●	●			●		●	●
Anderson LF, Shasta County, CA					●				●		●
Antelope Valley LF, Los Angeles County, CA	●								●	●	●
Apache Junction LF, Pinal County, AZ	●	●	●		●					●	●
Apex LF, Clark County, NV	●			●			●	●	●	●	●
Avenal LF, Madera County, CA	●									●	●
Avondale LF, Maricopa County, AZ	●							●		●	
Berkeley Marina LF, Alameda County, CA	●		●	●			●	●	●	●	●
Bishops Canyon LF, Los Angeles County, CA	●		●	●	●		●	●	●	●	

Table 3. SCS Western Region Landfill & LFG Engineering Projects

Landfill Name/Location	Permitting	Liner	Drainage	Final Cover	Leachate	Alternative Cover	Slope Stability	Post-Closure Care	Hydrogeology	CQA/Const. Management	LFG Engineering
BKK LF (Carson), Los Angeles County, CA	●			●				●	●		
BKK LF (West Covina), Los Angeles County, CA	●		●	●	●			●	●	●	●
Bradley LF, Los Angeles County, CA	●				●			●	●	●	●
Brand Park LF, Los Angeles County, CA			●								
Brawley Solid Waste Site, Imperial County, CA				●						●	
Cal-Compact LF, Los Angeles County, CA				●				●	●	●	●
Chandler LF, Maricopa County, AZ	●		●	●		●		●		●	
Chateau Fresno LF, Fresno County, CA								●		●	●
Chestnut LF, Fresno County, CA								●		●	
Chico Burn Dump, Butte County, CA	●		●	●	●		●	●			
Chiquita Canyon LF, Los Angeles County, CA		●	●	●	●		●			●	●
Clovis LF, Fresno County, CA	●	●	●	●	●		●	●		●	●
Cogen Dump, Los Angeles County, CA			●	●				●	●	●	
Cold Canyon LF, San Luis Obispo County, CA	●										●
Copper Mountain, Yuma County, AZ	●	●			●		●	●	●	●	
Crazy Horse LF, Monterey County, CA	●				●			●		●	●
Cummings Road LF, Humboldt County, CA	●	●	●	●	●		●	●	●		
Cyprus Bagdad LF, Yavapai County, AZ	●	●			●		●	●	●	●	
Dellar LF, Sacramento County, CA	●			●							
Eagle Mountain LF, Riverside County, CA	●	●	●	●	●				●		●
Eastern Regional LF, Cochise County, AZ	●	●			●		●	●	●	●	
Eastern Regional LF, Placer County, CA	●							●			●
El Sobrante LF, Riverside County, CA	●	●			●				●	●	●
Elk Grove LF, Sacramento County, CA	●									●	●
Fairmead LF, Madera County, CA	●									●	●
Fink Road LF, Stanislaus County, CA	●	●	●	●	●		●	●	●	●	●
Florin Perkins LF, Sacramento County, CA	●										
Forward LF, San Joaquin County, CA	●									●	●
Foxen Canyon LF, Santa Barbara County, CA			●	●		●	●	●		●	
Frank R. Bowerman LF, Orange County, CA	●									●	●
Gardena Valley No. 6 LF, Los Angeles County, CA	●										●

Table 3. SCS Western Region Landfill & LFG Engineering Projects

Landfill Name/Location	Permitting	Liner	Drainage	Final Cover	Leachate	Alternative Cover	Slope Stability	Post-Closure Care	Hydrogeology	CQA/Const. Management	LFG Engineering
Geer Road LF, Stanislaus County, CA		●	●	●	●			●	●	●	●
Golden Eagle LF, Los Angeles County, CA	●		●	●	●		●	●	●	●	
Graham Co. Regional LF, Graham County, AZ	●									●	
Guadalupe LF, Santa Clara County, CA	●										●
Hay Road LF, Yolo County, CA	●				●						●
Highway 59 LF, Merced County, CA	●		●	●	●	●	●	●	●	●	●
Hillsborough LF, San Diego County, CA	●		●	●				●		●	●
Hopi LF, Navajo County, AZ			●			●				●	
Imperial County LF, Imperial County, CA	●	●	●	●	●		●	●	●	●	●
Industry Hills LF, Los Angeles County, CA				●				●			●
Ironwood LF, Pinal County, AZ	●									●	
John Smith Road LF, San Benito County, CA	●										●
Johnson Canyon LF, Monterey County, CA	●									●	●
Jungo LF, Humboldt County, NV	●	●	●	●	●		●	●	●		
Keller Canyon LF, Contra Costa County, CA	●									●	●
Kettleman Hills Facility (KHF), Kings County, CA	●										●
Kiefer LF, Sacramento County, CA	●				●					●	●
L&D LF, Sacramento County, CA	●				●	●		●	●	●	●
Laguna Seca LF, Monterey County, CA			●	●				●		●	
Lancaster LF, Los Angeles County, CA	●								●		●
Lane Road Disposal Site, Orange County, CA	●			●				●		●	●
Lewis Road LF, Monterey County, CA	●		●	●	●		●		●	●	●
Lockwood LF, Clark County, NV										●	
Lone Pine LF, Navajo County, AZ	●									●	
Los Reales LF, Pima County, AZ										●	●
McCourtney Road LF, Nevada County, CA	●				●	●		●		●	●
Miramar LF, San Diego County, CA	●	●	●	●	●						●
Mission Avenue LF, San Diego County, CA								●	●		
Mission Bay LF, San Diego County, CA	●							●	●		
Montgomery-Shoshone LF, Eureka County, NV		●	●	●	●		●	●	●		
Neal Road LF, Butte County, CA	●	●	●	●	●		●	●	●	●	●

Table 3. SCS Western Region Landfill & LFG Engineering Projects

Landfill Name/Location	Permitting	Liner	Drainage	Final Cover	Leachate	Alternative Cover	Slope Stability	Post-Closure Care	Hydrogeology	CQA/Const. Management	LFG Engineering
Newby Island LF, Santa Clara County, CA	●				●					●	●
North Chollas LF, San Diego County, CA	●		●	●	●		●	●	●		●
Northwest Regional LF, Maricopa County, AZ	●									●	●
Oll LF, Los Angeles County, CA			●	●	●			●	●	●	●
Oroville LF Properties, Butte County, CA	●		●	●	●			●	●	●	
Ostrom Road LF, Yuba County, CA	●				●					●	●
Otay LF, San Diego County, CA	●							●		●	●
Ox Mountain LF, San Mateo County, CA	●				●					●	●
Pacheco Pass LF, Santa Clara County, CA	●									●	●
Page-Trowbridge Ranch LF, Pinal County, AZ			●	●				●		●	
Palo Alto LF, Santa Clara County, CA	●				●			●		●	●
Paso Robles LF, San Luis Obispo County, CA	●	●	●	●	●				●		●
Patagonia LF, Santa Cruz County, AZ	●		●	●		●			●	●	
Peck Road LF, Los Angeles County, CA	●							●	●		
Potrero Hills LF, Solano County, CA	●	●	●	●	●		●	●	●	●	●
Prima Deshecha LF, Orange County, CA	●	●	●	●	●				●		●
Recology Auburn Placer LF, Placer County, CA	●							●		●	
Redwood LF, Marin County, CA	●								●	●	●
Rio Rancho LF, Sandoval County, NM				●		●				●	●
Rio Rico LF, Santa Cruz County, AZ	●		●	●		●	●	●	●	●	●
Sahuarita LF, Pima County, AZ	●	●	●	●	●	●	●	●	●	●	
Salt River LF, Maricopa County, AZ	●				●			●		●	●
San Marcos LF, San Diego County, CA	●			●				●		●	●
Scholl Canyon LF, Los Angeles County, CA			●						●		●
Simi Valley LF, Ventura County, CA	●								●	●	●
Singleton Road LF, Santa Clara County, CA				●				●	●		
Skunk Creek LF, Maricopa County, AZ		●								●	●
Sonoma Central LF, Sonoma County, CA	●	●	●	●	●	●		●		●	●
Southwest Regional LF, Maricopa County, AZ	●	●	●		●	●	●		●	●	●
Sunnyvale LF, Santa Clara County, CA				●	●		●	●		●	●
Sunrise Mountain LF, Clark County, NV			●			●	●		●	●	●

Table 3. SCS Western Region Landfill & LFG Engineering Projects

Landfill Name/Location	Permitting	Liner	Drainage	Final Cover	Leachate	Alternative Cover	Slope Stability	Post-Closure Care	Hydrogeology	CQA/Const. Management	LFG Engineering
Sunshine Canyon LF, Los Angeles County, CA	●	●			●					●	●
Sycamore Sanitary LF, San Diego County, CA	●									●	●
Tangerine Road LF, Pima County, AZ	●		●		●					●	
Tequesquite LF, Riverside County, CA			●	●				●	●	●	●
Tri-Cities LF, Maricopa County, AZ	●									●	●
Tubac-Amado Sanitary LF, Santa Cruz County, AZ	●									●	
Turk Island LF, Sacramento County, CA								●	●	●	●
U.S. Pipe LF, Alameda County, CA	●	●	●	●	●		●	●	●	●	
Union Mine LF, El Dorado County, CA	●									●	●
Various LFs, Tulare County, CA	●							●			●
Vasco Road LF, Alameda County, CA	●	●			●		●			●	●
Wenatchee LF, Douglas County, WA	●				●				●	●	●
West County LF, Contra Costa County, CA	●	●	●	●	●		●	●	●	●	●
Western Regional LF, Placer County, CA	●	●	●	●	●		●	●	●	●	

Air Quality Compliance Services

Air Quality Compliance

SCS began developing air quality services more than 25 years ago. These early efforts largely focused on the needs of industry and municipal governments in relation to their landfill sites across the country. We assisted clients in preparing air quality permits and documentation for LFG collection and treatment systems in response to requirements of the original Clean Air Act, which was promulgated in 1970. As time passed, we began focusing our efforts on the industrial and commercial sector and assisted a variety of industries in compliance with local, state, and federal air quality regulations. This was a natural progression, since many of the same air quality issues and needs associated with landfills were also relevant to other industry groups, such as permitting, emissions calculations, source testing, and pollution control. Currently, SCS is assisting many clients in California and across the country with understanding complicated local, state, and federal air quality requirements, evaluating possible compliance strategies, and developing cost-effective air quality compliance programs. Typical projects with which SCS is currently involved, and in which we have extensive expertise, include air permitting, air quality compliance auditing, California Environmental Quality Act (CEQA) air quality assistance and analyses, emissions inventorying, air sampling and analyses, source testing, indoor air quality (IAQ), design of air pollution control

equipment, air dispersion modeling, and air toxics risk assessments. These projects have included NSPS compliance, LFG planning and engineering, LFGE evaluations, and air quality permitting and compliance for landfills.

SCS has air quality expertise in a number of areas relating to landfills and other solid waste facilities, including assisting clients in compliance with NSPS and Emission Guideline (EG) requirements, Title V permitting, local and federal New Source Review (NSR) requirements, federal Prevention of Significant Deterioration (PSD) permitting, and local air district construction permitting. Areas of applicable experience pertinent to these topic areas are outlined below.

State and Local Permitting Services

Our state and local permitting services encompass permitting applicability reviews for LFG systems, facility expansions and new construction, and preparation and submittal of applicable permit applications. These projects typically involve preparation of documentation, emissions calculations, source testing support services, air modeling, application preparation, fee calculation, and permit negotiation. SCS has extensive experience completing applications for permits-to-construct/permit-to-operate for submittal to the state and local air pollution control agencies in California and across the country.

SCS also has an excellent working relationship with many of the local air districts in California. In California, we have completed landfill air quality services in the following air districts: San Joaquin Valley Air Pollution Control District (APCD), South Coast Air Quality Management District (SCAQMD), Bay Area AQMD, Sacramento Metropolitan AQMD, San Diego County APCD, Yolo-Solano AQMD, Feather River AQMD, Kern County APCD, Ventura County APCD, Santa Barbara County APCD, Shasta County APCD, Antelope Valley AQMD, Mojave Desert AQMD, Placer County APCD, North Coast Unified AQMD, Butte County APCD, and El Dorado County APCD. We have also worked in the states of Nevada, Oregon, Washington, Alaska, Arizona, Colorado, Montana, New Mexico, Utah, and Hawaii. SCS is currently working on permitting of a solar facility at the West Riverside Landfill in Riverside, California.

NSPS and NESHAP Services

The promulgation of the NSPS, emission guidelines (EG), and NESHAPS for Municipal Solid Waste (MSW) Landfills in the late 1990s and early twenty-first century has significantly affected the landfill industry. These regulations require owners and operators of MSW landfills to evaluate and possibly mitigate landfill air emissions — some for the very first time. As a result of our intensive involvement and activity since the draft NSPS first came out in 1991, SCS has become the nation's leading authority on the landfill NSPS rule and its implementation. This claim is evidenced by:

- **Significant Project Experience.** SCS has conducted or has underway NSPS/NESHAPs-related projects at more than 500 landfills nationwide. Services have included the following:
  - NSPS/NESHAP applicability reviews.
  - NSPS Design Capacity reports.
  - NSPS Tier 1, 2, and 3 non-methane organic compound (NMOC) studies and reports.
  - NSPS semi-annual compliance reports.
  - NESHAP startup, shutdown, and malfunction (SSM) Plans.
  - NESHAP SSM semi-annual reports.
  - NSPS Gas collection and control system (GCCS) Design Plans.
  - Development of alternative compliance plans
  - Negotiation with federal, state, and local agency on rule interpretations

- Assisting clients with enforcement actions.
- Preparing research studies and reports to support industry positions on the NSPS and NESHAPs rules

- **A Strong Relationship with the EPA.** Since 1989, SCS has been actively working with the EPA and state agencies on the NSPS rule for landfills. SCS has provided technical comments on numerous occasions, provided supporting documentation, and assisted in negotiations on the rule. SCS is well known and respected by the EPA and state agencies throughout the nation. SCS is currently leading industry efforts, along with the major waste companies, with comments on the draft NSPS and EG rules that were most recently promulgated.
- **A Strong Relationship with the Solid Waste Association of North America (SWANA), National Waste and Recycling Association (NW&RA), and the Waste Industry Air Coalition (WIAC).** SCS developed the course materials and provided instructors for the SWANA/NW&RA air quality and GHG workshops held throughout the country. We are also highly involved with SWANA's Landfill Gas (LFG)/Biogas Division and support its work. Pat Sullivan, an SCS Senior Vice President and SCS's National Expert for companywide Clean Air Act programs, is the Vice Director of the SWANA LFG Division. Mr. Sullivan is also one of the founding members of the WIAC, which continues to work with the EPA and other agencies to negotiate reasonable application of air quality regulations to landfills.
- **Significant Presentation and Training Experience at Industry Conferences.** SCS air quality experts have made technical presentations on the NSPS/NESHAPs rules at more than 100 national and state solid waste conferences and workshops since 1991. These same experts have also completed Title V and NSPS/NESHAPs training for municipalities, Republic Services, Inc., Waste Connections, Inc., Waste Management, Inc., and several other clients.

SCS's extensive experience with NSPS and NESHAP rules covers a wide spectrum of sources, including but not limited to:

- Reciprocating internal combustion engines (RICE).
- Painting and coating operations.
- Gas turbines.
- Solid waste incinerators.
- Industrial and commercial boilers.

Title V Permitting Services

SCS is among the nation's leading practitioners of Title V compliance services. Because of our expertise in understanding, interpreting, and complying with Title V requirements at the state and local level, SCS has been awarded Title V permitting projects for over 350 MSW landfills throughout the U.S. SCS's air quality and GHG experience at western landfills is detailed below in *Table 1*.

The SCS approach for compliance with the Title V Operating Permit Program, as set forth in Part 70 (or Part 71) of the Code of Federal Regulations (CFR), is to first determine if a Title V Permit is required. In many instances, a "Synthetic Minor" Permit is a viable option (for small to mid-size industrial operations). If a Synthetic Minor Permit is determined to be appropriate, SCS can perform

functions related to the preparation of this permit application. If a Title V Permit is necessary, SCS provides turnkey pre- and post-permit application services, including:

- Developing an emissions inventory for regulated pollutants and operating scenarios.
- Regulatory applicability and compliance review.
- Determining enhanced monitoring requirements.
- Preparing complete application packages.
- Reviewing draft permit conditions and negotiating permit issuance.

Once Title V permits are issued, SCS assists our clients with ongoing compliance, including:

- Title V compliance reviews/audits.
- Development of Title V compliance plans and checklists.
- Preparation of Title V semi-annual monitoring reports.
- Preparation of Title V annual compliance certification reports.
- Preparation of Title V deviation reports and responding to deviations.
- Completion of Title V permit modifications for changes at a facility.
- Completion of Title V renewal applications every 5-years.

Greenhouse Gas Services

SCS is among the firms pioneering our nation's efforts at reducing GHG emissions in order to combat global warming. By way of example, methane is 25 times more powerful than carbon dioxide in terms of its greenhouse effect. Thus, simply destroying methane via combustion (power generation or flaring) or sequestration can diminish its GHG potential by 95 percent, and even greater benefits are available if the methane is used as renewable energy in order to offset natural gas or coal-fired power generation. We are proactively pursuing the development of markets whereby large methane source owners (e.g., oil and gas industry, landfills, diaries, etc.) can generate and sell GHG credits by voluntarily installing methane recovery systems, which allows the methane recovered in this manner to be sold as fuel, achieving even greater reductions.

SCS's GHG experience includes:

- GHG emissions inventories and estimation of GHG reductions for landfills, dairies, oil and gas operations, as well as other general commercial/industrial operations.
- Verification/validation of GHG emission inventories and reduction credits.
- Estimation of methane generation rates at landfills and quantifying GHG emission potential.
- Expert witness testimony regarding generation, verification, valuation and sale of GHG credits.
- Arranging for the sale of GHG credits/monetization.
- Tracking GHG programs at the international, national, regional, state, and local levels in order to adequately advise our clients on how programs can affect their businesses.

Some of our outstanding GHG credentials are highlighted below:

- SCS is an approved technical assistance provider for The Climate Registry (TCR) and the Climate Action Reserve's (CAR's) GHG programs. We provide GHG services for clients across the U.S.
- SCS is an accredited verifier by the California Air Resources Board (CARB) under the AB 32 mandatory reporting program, and has completed mandatory reporting for over 120 facilities under the AB 32 program, including a wide variety of industrial operations.
- SCS is an accredited livestock, mine methane capture (MMC), and ozone-depleting substances (ODS) offset project verification body under CARB's Cap and Trade program, under which SCS has verified over 1 million credits that have been approved and used as a compliance mechanism.
- We are at the forefront of the Solid Waste Association of North America's (SWANA's) advocacy on GHG issues. We are an active participant in the solid waste industry's advocacy efforts in California on GHG issues and are one of the only consulting firms to have been involved with the Solid Waste Industry for Climate Change (SWICS) group since its inception.
- SCS provides federal mandatory GHG reporting assistance for the majority of the 900 landfills required to report under the federal GHG reporting program.
- SCS has provided certification services for numerous GHG credit transactions under the Clean Development Mechanism (CDM) of the Kyoto Treaty, and is significantly involved in the very active international GHG market.
- We have been the lead contractor for one of the EPA's Climate Change Programs for over 10 years. As part of this relationship, we keep fully abreast of GHG issues at the federal level and internationally.

For solid waste facilities, SCS has completed GHG reporting under the federal GHG mandatory reporting rule (MRR) for over 500 landfills, including those owned/operated by Republic Services, Inc. and Waste Management. We have also assisted the industry in developing comments on the MRR, which led to positive changes to the rule which helped industry. No other firm possesses this level of expertise and experience in dealing with GHG issues for landfills. SCS's air quality and GHG experience at western landfills is listed below in *Exhibit 7*.

Federal, State, and Local New Source Review (NSR)

SCS offers various services associated with federal, state, and local NSR programs. With the promulgation of the NSPS in March 1996, the EPA and state agencies have been re-evaluating the applicability of NSR for landfill sites. NSR has been applicable to industrial facilities for many years. Our NSR services include:

- NSR applicability assessments.
- Air quality impact assessment, including air dispersion modeling.
- Alternative site(s) analyses.

- Assessment of Lowest Achievable Emission Rate (LAER) and Best Available Control Technology (BACT).
- Evaluation of emission offset needs and obtaining of emission reduction credits.

Federal Prevention of Significant Deterioration (PSD)

SCS also offers various services associated with federal and state prevention of significant deterioration (PSD) programs. PSD is a form of NSR that occurs in areas designated as having attained National Ambient Air Quality Standards (NAAQS). As with the applicability of NSR for landfill sites, the Environmental Protection Agency (EPA) and state agencies have also been re-evaluating the applicability of PSD for other industrial sites. Our PSD services include:

- PSD permit applicability determination.
- Air monitoring services.
- Ambient air modeling services.
- Application preparation.
- Permit negotiation.
- Regulatory interpretation.
- "Top-Down" BACT reviews.

Permit Appeals/Variances

Air quality permits-to-construct and permits-to-operate contain conditions which must be satisfied for a facility to remain in compliance. Situations can arise, however, where a facility disagrees with a permit condition and must file a formal appeal with the applicable regulatory agency. Situations can also arise where a facility simply cannot comply with a permit condition or a regulatory requirement. In these cases, a facility must file for a formal variance issued by the applicable agency. Our engineers can prepare appeals or variances to address each compliance situation. It is important to note that under Title V, non-compliance can lead to civil suits and federal enforcement actions. Therefore, facilities need to utilize every protection mechanism available to minimize/prevent future liabilities. Our engineers can implement non-compliance response strategies based on various situations.

Air Quality Assessments

SCS maintains a staff of highly trained professionals who utilize state-of-the-art proprietary and regulatory developed methodologies to solve complex air quality problems. We offer advanced environmental capabilities involving air quality field testing services, primarily in the areas of:

- Ambient air monitoring.
- Permitting and compliance.
- Tracer sciences.
- Air pollution control equipment evaluation and design.
- Air quality and general environmental compliance auditing.
- Air dispersion modeling and risk assessment for air toxics.

- Superfund Amendment and Reauthorization Act (SARA) Title III, Section 312 "Tier II Form" and SARA Title III, Section 313, Form R preparation and submittal.
- Completion of indoor air quality surveys.
- Asbestos and lead-based paint assessments.

Air Toxics Risk Assessments

SCS prepares Risk Assessments according to the requirements of various regulations. Risk Assessments typically consist of four steps: hazard identification, hazard assessment, exposure assessment, and risk characterization. Risk Assessments are based on emission inventories corresponding to actual or proposed operations. Dispersion models are used in conjunction with risk-based algorithms to estimate cancer impacts, acute health effects, and chronic health effects associated with each emission profile. Impacts are evaluated for residential and worker populations, as well as for sensitive receptors such as schools, hospitals, and day care centers. Based upon a professional analysis, a systematic mitigation plan can be implemented to reduce toxic air sources in compliance with mandated risk reduction requirements. In addition, once risk sources have been identified, SCS can recommend cost effective ways of reducing overall risk by strategically changing facility operations (e.g. changing coating materials, adding emission control devices, etc.).

CEQA/NEPA Services

Compliance with CEQA and NEPA can be the most time-consuming and one of the most expensive aspects of permitting a project. CEQA, NEPA, and land use permitting requires preparation of an array of documents, including Environmental Impact Reports (EIRs), CEQA Initial Studies in support of Negative or Mitigated Negative Declarations, Conditional Use Permits (CUPs), Mitigation Monitoring Programs, and technical studies (such as Air Impact Analyses, GHG Assessments, Health Risk Assessments, Odor Minimization Plans, and Engineering Analyses).

Therefore, when faced with a project requiring CEQA and land use permitting, it is imperative for clients to obtain assistance from a qualified consultant such as SCS. We have significant experience obtaining CEQA approvals and modifications to conditional use permits for various types of solid waste and industrial facilities, and commercial/residential developments.

Dispersion Modeling

SCS prepares atmospheric dispersion modeling studies for air permit applications, health risk assessments, and when requested by clients for other reasons. Modeling studies evaluate the impact of various release scenarios on local air quality. Release scenarios consist of one or more emission sources located in flat or complex terrain. Our engineers conduct the analyses using the dispersion models (gaussian, numerical, statistical, or empirical) that best-suit each scenario. For improved accuracy, SCS develops proprietary models according to the specific needs and modeling conditions of our clients (e.g. neutral, buoyant, dense gas, etc.). SCS also validates dispersion models using specially developed techniques involving tracer gas sciences.

Emission Inventories

SCS prepares air emissions inventories for facilities that must document their actual or potential emissions of regulated pollutants such as volatile organic compounds (VOCs), oxides of nitrogen (NOx), oxides of sulfur

(SOx), carbon monoxide (CO), particulate matter (PM), GHG, and air toxics. Inventories may include process descriptions and process flow diagrams to illustrate how the various emitting devices and processes emit to the atmosphere. Our experienced engineers utilize a variety of emission quantification techniques, such as continuous emission monitors, source testing results, mass balance, emission factors, and empirical equations, to arrive at the most accurate inventory possible within budgetary constraints.

Emission Reduction Credit/GHG Credit Services

SCS has been involved with many Emission Reduction Credit (ERC) projects for landfills and industrial facilities, including traditional ERC projects associated with criteria air pollutant offsets required for NSR compliance, as well as GHG credits generated from landfills through the control of methane or various other industrial processes, which create GHG reductions.

SCS has conducted numerous GHG reduction credit assessments, provided third-party due diligence for assessments for GHG credits, and filed applications on behalf of our clients with various registries and agencies for mandatory reporting and voluntary registration of GHG credits. SCS is currently providing GHG consulting support services to Waste Management, Inc. and Republic Services, Inc. (the two largest waste collection companies in the U.S.) for most of their landfills nationally.

Emissions Source Testing and Sampling/Analytical Services

SCS provides quality assurance/quality control (QA/QC) oversight for stack (point source) emissions testing (actual stack testing is performed by a specialty subcontractor). The firm chosen to perform this task is typically selected by SCS and must meet rigorous standards that include proximity to the source, knowledge of the source, cost consciousness, proper certification to perform the task, and impeccable references.

SCS can complete other forms of air sampling and analysis in-house, such as ambient air monitoring; sampling for VOCs and air toxics; sampling for airborne asbestos fibers, lead, and other metals and dust; and indoor air quality (IAQ) surveys for various other pollutants.

Odor Assessments

Odor pollution is a significant aspect of a region's air quality and is often regulated as a nuisance. It is estimated that more than 50% of the complaints issued to regulatory agencies concerning air pollution involve an odor component. SCS offers a robust and comprehensive odor assessment and mitigation capability for industrial operations, including odor emissions sampling, odor dispersion modeling, and tracer sciences. Our approach incorporates the use of specialized analytical tools and field-proven capabilities to determine the specific odor footprint of a facility. This information is utilized to devise effective and meaningful controls to abate impacts. Our approach is proven and effective. It has been successfully employed on numerous projects in a variety of industrial settings, including landfills, composting facilities, food processing plants, wastewater treatment plants, sewage systems, and oil and gas production operations, to name just a few.

SCS is knowledgeable in applying mitigation strategies to effectively reduce odors. We have found through experience that the perceived primary source of an odor is not necessarily the source that requires greatest emission reduction. Often SCS employs strategies to address a host of minor sources that, combined, generate the offensive odor emissions. Our mitigation strategies rarely utilize masking agents, as these generally do not endure. Instead, we employ chemical and physical controls, as well as operational changes

that translate into a stable and reliable abatement of odor emissions. **Table 4** (below) is a comprehensive list of landfill sites in California where SCS has provided air quality and GHG services.

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Yolo Central LF, Yolo County, CA	Yolo-Solano AQMD	●	●	●	●	●			
28th Street LF, City of Sacramento, CA	Sacramento Metro AQMD	●	●	●	●	●	●	●	
Acme LF, Acme Fill Corp., CA	Bay Area AQMD		●	●	●	●			
Altamont LF, WM, CA	Bay Area AQMD	●	●		●	●	●	●	●
American Avenue Disposal Site, Fresno County, CA	San Joaquin Valley APCD	●	●	●	●		●	●	●
American Canyon LF, Napa-Vallejo Waste Auth., CA	Bay Area AQMD	●	●	●	●	●			
Anderson LF, WM, CA	Shasta County APCD		●	●	●			●	●
Antelope Valley LF, WM, CA	Antelope Valley AQMD	●	●	●	●		●	●	●
Arvin Sanitary LF, Kern County, CA	San Joaquin Valley APCD		●	●	●		●	●	●
Ascon LF, Pick-Your-Part, CA	South Coast AQMD				●				
Auburn LF, Recology, CA	Placer County APCD				●		●	●	

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Avenal Regional LF, Waste Connections, CA	San Joaquin Valley APCD	●	●	●	●		●	●	
Azusa LF, Allied, CA	South Coast AQMD	●	●	●	●			●	
Bakersfield Metro Sanitary LF, Kern County, CA	San Joaquin Valley APCD		●	●	●	●	●	●	●
Ben Lomond LF, Santa Cruz County, CA	Monterey Bay Air Resources District						•		
Berkeley LF, City of Berkeley, CA	Bay Area AQMD	●		●	●		●	●	
Billy Wright LF, Merced County, CA	San Joaquin Valley APCD		●	●	●		●	●	
Bishop Canyon LF, City of Los Angeles, CA	South Coast AQMD				●				
Bonsall LF, San Diego County, CA	San Diego Co. APCD				●		●	●	
Bradley LF, WM, CA	South Coast AQMD	●	●	●	●	●	●	●	●
Buena Vista LF, Santa Cruz County, CA	Monterey Bay Air Resources District		●	●	●		●	●	
Burlingame LF, City of Burlingame, CA	Bay Area AQMD	●			●		●	●	
Cal-Compact LF, L.A. Metro Mall, CA	South Coast AQMD	●			●		●		
Chateau Fresno LF, Allied, CA	San Joaquin Valley APCD	●	●	●	●		●	●	

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Chestnut LF, Allied, CA	San Joaquin Valley APCD				●		●		
China Grade Sanitary LF, Kern County, CA	San Joaquin Valley APCD		●		●		●	●	●
Chiquita Canyon LF, Republic, CA	South Coast AQMD	●	●	●	●	●	●	●	●
City of Clovis LF, City of Clovis, CA	San Joaquin Valley APCD	●	●	●	●		●	●	
Coalinga LF, Fresno County, CA	San Joaquin Valley APCD				●		●		
Cold Canyon LF, Waste Connections/Toro Energy, CA	San Luis Obispo County APCD	●	●	●	●	●	●	●	
Colma LF, Home Depot, CA	Bay Area AQMD			●	●		•		
Colton LF, Norcal, CA	South Coast AQMD	●	●	●	●		●	●	
Corral Hollow LF, San Joaquin County, CA	San Joaquin Valley APCD				●		●	●	
Crazy Horse LF, Salinas Valley SWA, CA	Monterey Bay APCD	●	●	●	●	●	●	●	
Eastern Regional LF, Placer County, CA	Placer County APCD			●	●		●	●	
El Sobrante LF, WM, CA	South Coast AQMD	●	●	●	●	●	●	●	●
Encinitas LF, San Diego County, CA	San Diego Co. APCD				●		●	●	
Fink Road LF, Stanislaus County, CA	San Joaquin Valley APCD	●	●	●	●		●	●	

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Foothills LF, San Joaquin County, CA	San Joaquin Valley APCD	●	●		●	●	●	●	
Forward LF, Allied, CA	San Joaquin Valley APCD	●	●	●	●	●	●	●	●
Frank R. Bowerman LF, Orange County, CA	South Coast AQMD	●	●	●	●	●	●		
Gardena Dump, Ultramar, CA	South Coast AQMD				●				
Geer Road LF, Stanislaus County, CA	San Joaquin Valley APCD	●	●	●	●		●	●	
Guadalupe LF, Gas Recovery Systems, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
Hanford LF, Kings Waste and Recycling Authority, CA	San Luis Obispo County APCD				●		●	●	
Harney Lane LF, San Joaquin County, CA	San Joaquin Valley APCD				●		●	●	
Hay Road LF, Recology, CA	Yolo-Solano AQMD	●	●	●	●		●	●	●
Highway 59 LF, Merced County, CA	San Joaquin Valley APCD	●	●	●	●	●	●	●	
Hillside LF, Confidential Client, CA	Bay Area AQMD		●	●	●		●		
Imperial County LF, Allied, CA	Imperial County APCD	●	●	●	●		●	●	●
Jamacha LF, San Diego County, CA	San Diego Co. APCD				●	●	●	●	

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Johnson Canyon LF, Salinas Valley SW Authority, CA	Monterey Bay APCD	●	●	●	●	●	●	●	
John Smith Road LF, Waste Connections, CA	Monterey Bay Air Resources District	●	●	●	●		●	●	
Jolon Road LF, Salinas Valley SW Authority, CA	Monterey Bay APCD				●		●	●	
Keller Canyon LF, Republic Services, CA	Bay Area AQMD	●	●	●	●	●		●	●
Kiefer LF, Sacramento County, CA	Sacramento Metro AQMD	●	●	●	●	●	●	●	●
Kirby Canyon LF, Waste Management, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
L&D LF, L&D LF, LLP, CA	Sacramento Metro AQMD	●			●		●		●
Lancaster LF, WM, CA	Antelope Valley AQMD	●	●	●	●		●	●	●
Loomis LF, Placer County, CA	Placer Co. APCD				●		●	●	
McCourtney Road LF, Nevada Co., CA	Nevada County APCD				●		●	●	
Meadow Vista LF, Placer County, CA	Placer Co. APCD				●		●	●	
Mid-Valley LF, Norcal Waste Systems, CA	South Coast AQMD	●	●	●	●	●	●	●	

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Milliken LF, Norcal/San Bernardino County, CA	South Coast AQMD	●	●	●	●		●	●	
Monterey Regional LF, Monterey Regional Waste Management District	Monterey Bay Air Resources District				●	●			
Mtn. View/Shoreline LF, City of Mountain View, CA	Bay Area AQMD	●	●	●	●	●	●	●	
Neal Road LF, Butte County, CA	Butte County APCD	●	●	●	●	●	●	●	
Newby Island LF, Republic Services, CA	Bay Area AQMD	●	●	●	●	●		●	●
North County LF, San Joaquin County, CA	San Joaquin Valley APCD				●		●	●	
Operating Industries, Inc., City of Montebello, CA	South Coast AQMD	●			●	●	●		
Ostrom Road LF, Recology /G2 Energy, CA	Feather River AQMD	●	●	●	●	●	●	●	●
Otay Sanitary LF, Allied, CA	San Diego County APCD	●	●	●	●	●	●	●	●
Ox Mountain LF, Republic Services, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
Oyster Bay LF, WM, CA	Bay Area AQMD				●		●	●	
Pacheco Pass LF, Recology, CA	Bay Area AQMD	●		●	●		●	●	●

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Palo Alto LF, City of Palo Alto, CA	Bay Area AQMD	●	●	●	●		●	●	●
Paso Robles LF, City of Paso Robles, CA	San Luis Obispo Co. APCD	●	●	●	●		●	●	
Ponderosa LF, Norcal Waste Systems, CA	Placer Co. APCD				●		●		
Potrero Hills LF, Waste Connections, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
Redwood LF, WM, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
Ridgecrest Sanitary LF, Kern County, CA	San Joaquin Valley APCD			●	●		●	●	●
San Marcos LF, San Diego County, CA	San Diego County APCD	●	●	●	●	●	●	●	
San Timoteo LF, Norcal/San Bernardino Co., CA	South Coast AQMD		●	●	●		●	●	
Santa Maria LF, City of Santa Maria, CA	Santa Barbara Co. APCD	●	●	●	●	●	●	●	
Shafter-Wasco Sanitary LF, Kern County, CA	San Joaquin Valley APCD	●	●	●	●		●	●	●
Sheldon-Arleta LF, City of Los Angeles, CA	South Coast AQMD				●				
Shoreline Amphitheatre, Live Nation, CA	Bay Area AQMD	●	●	●	●		●	●	
Simi Valley LF, WM, CA	Ventura County APCD	●	●	●	●	●	●	●	●

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Singleton Road LF, City of San Jose, CA	Bay Area AQMD	●		●	●		●	●	
Sonoma Central LF, Sonoma County, CA	Bay Area AQMD	●	●	●	●	●		●	
Southeast Regional LF, Fresno County, CA	San Joaquin Valley APCD				●		●	●	
Sunnyvale LF, City of Sunnyvale, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
Sunshine Canyon LF, Republic Services, CA	South Coast AQMD	●	●	●	●	●	●	●	●
Sycamore Sanitary LF, Allied/GRS, CA	San Diego County APCD	●	●	●	●	●	●	●	●
Taft Sanitary LF, Kern County, CA	San Joaquin Valley APCD		●	●	●		●	●	●
Tajiguas LF, Santa Barbara County/NEO, CA	Santa Barbara Co. APCD	●	●	●	●	●			
Teapot Dome LF, Tulare County, CA	San Joaquin Valley APCD		●	●	●		●	●	
Tri Cities LF, WM, CA	Bay Area AQMD	●	●		●	●	●	●	●
Turk Island LF, Larkspur Company, CA	Bay Area AQMD				●				
Union Mine LF, El Dorado County, CA	El Dorado County ACD	●	●	●	●	●			
Vasco Road Sanitary LF, Republic, CA	Bay Area AQMD	●	●	●	●	●		●	●

Table 4. SCS California Air Quality and GHG Projects

Landfill Site, Client, State	Agency	NSR/PSD	Title V	NSPS/NESHAP	State/District Permitting	LFGTE	AB 32	EPA GHG Rule	GHG Inventory
Visalia LF, Tulare County, CA	San Joaquin Valley APCD		●	●	●		●	●	
W. Contra Costa Co. Sanitary LF, Republic, CA	Bay Area AQMD	●	●	●	●	●	●	●	●
Western Regional LF, Placer County, CA	Placer County APCD	●	●	●	●	●	●	●	
Woodville LF, Tulare County, CA	San Joaquin Valley APCD		●	●	●		●	●	
YSDI LF, Norcal, CA	Feather River AQMD	●			●		●	●	●
Recology Yuba Sutter Landfill, Marysvile, CA	Feather River AQMD	●			●		●	●	●

Regulatory and Environmental Compliance Services

SCS has performed numerous environmental studies for public and private entities throughout the western United States. Examples include reviewing environmental documents, collecting and analyzing data, preparing full CEQA Environmental Impact Reports (EIRs) or National Environmental Policy Act (NEPA) Environmental Impact Statements (EISs). SCS's approach to environmentally sensitive or controversial projects has averted stalled schedules and potential lawsuits. Besides having extensive experience with clients from the private sector, SCS has completed many projects directly for federal, state, and local agencies. When appropriate for projects on federal lands in California or for projects in California that include federal funding, SCS prepares joint CEQA/NEPA documentation in collaboration with the lead and trustee agencies. This blend of experience enables us to assist our clients in complying with regulations while proceeding with the project in a cost-effective manner.

Services include:

- CEQA compliance (Initial Study [IS] Checklist, EIRs, Mitigated Negative Declarations [MNDs], Negative Declarations [NDs], Mitigation Monitoring and Reporting Program [MMRP], Findings of Facts, Statement of Overriding Considerations).

- NEPA compliance (Environmental Assessment [EA] Finding of No Significant Impact [FONSI], EIS, and Record of Decision [ROD]).

- CEQA/NEPA statutory conformance.
- Land use, community assessment and policy development.
- Environmental constraints/benefits analysis.
- Public participation and outreach programs.
- Water quality analysis.
- Air quality analysis and permitting.
- LEED-accredited assessment.
- Third-party peer review.
- Visual assessment.
- Noise impact analysis.
- NEPA and CEQA document preparation and review.

Environmental laws and regulations, such as NEPA and CEQA require permitting agencies to consider the environmental consequences of most proposed development projects prior to issuing permits. Formal planning and documentation are often required as the basis for determining these consequences. Based on the scope of the project or facility, requirements vary from preparing a comprehensive EIR or EIS, to conducting a records and literature search. An EIR or EIS may include studies, such as marine biological surveys, archaeological surveys, air pollutant emissions modeling, comprehensive economic analyses, land use analyses, visual resource analyses, and systems safety analyses. In many instances, a project benefits-constraints evaluation will be the initial step, possibly leading to the preparation of alternative development, impact assessment, and permit acquisition.

SCS offers the capability to prepare these documents or provide comments on the adequacy of environmental documentation prepared by others. Our expert review will provide applicant companies and permitting agencies with analyses that are accurate and defensible, and that conditions imposed on project permits are reasonable, feasible, and environmentally sound. In addition, we have extensive experience with highly controversial projects, such as major land development projects, hazardous material storage facilities; major water, oil, and gas pipelines; and offshore oil and gas development. SCS deals very effectively with the public, agency personnel, and decision makers.

Landfill Engineering Services

Leachate Treatment System Design and Permitting

SCS staff have been involved in design of leachate treatment systems in many regions of the country. SCS has employed various technologies, including extended aeration, nitrification/ denitrification, activated carbon, constructed wetlands, and chemical treatment to address site-specific leachate characteristics and site conditions. The selection of a treatment approach is

dependent on many variables, including site location, leachate quality and quantity, availability of utilities, discharge limitations, and environmental regulations. Because of the variability in leachate quality, treatment approaches must be evaluated on a case-by-case basis.

Landfill engineering is the primary business of SCS. We have conducted the full range of landfill and other solid waste facility-related study, design, and construction projects for municipalities and private clients. Currently, SCS currently serves as the solid waste consultant to numerous municipalities and private solid waste companies. Our staff includes experienced engineers and scientists, specifically specialized in the areas of solid waste engineering, planning, and environmental services.

SCS provides the following range of specialized landfill services to meet the needs of our clients:

- Leachate Treatment System Design and Permitting.
- Landfill Siting and Feasibility Studies.
- Landfill Permitting and Expansion Design.
- Landfill Closure Design and Permitting
- Closure and Post-Closure Care Plans.
- Construction Engineering Services.
- Landfill Construction Quality Assurance.
- Construction Plans, Specifications, and Contract Documents.
- Contractor Selection and Negotiation.
- Cost Estimating and Scheduling.
- Erosion Control Assessment and Mitigation.
- Facility Master Planning.
- Facility Design Engineering, Analysis, and Technical Support.
- Financial Assurance Plans.
- Groundwater Sampling, Statistical Analysis, and Reporting.
- Hydrogeological and Geotechnical Investigations.
- Liner Quality Assurance Services.
- New Cell Design.
- Operations and Maintenance Plans.
- Regulatory Compliance.
- Remedial Investigations and Mitigation Designs.
- Resident Engineering and Third-Party Certification Services.
- Storm Water Management and Permitting.
- Tipping Fee Analysis.

Critical Success Factors

Work with a Full Spectrum LFG System Services Firm You Know and Trust

SCS Field Services (SCS FS), the OM&M Division of SCS, has provided the Yolo County Central Landfill with required services for the past 4 years and we are very familiar with the OM&M and LFG extraction well construction services provided. SCS will continue to show a strong commitment by continuing to provide these services and attending meetings as needed, both regulatory and operational, to meet the County's goals and expectations.

Regulatory compliance and minimal operational issues are essential for effective landfill management. Our team is proud of how we have supported the County in accomplishing these objectives at the Yolo County Central Landfill since 2018, and are highly confident in our ability to continue meeting your expectations on the new contract. We possess the required insurance coverage and necessary licenses for SCS Staff who will be responsible for operations at the Yolo County Central Landfill. Our required documentation can be found in Section E Licenses and DIR Registrations.

There are always challenges concerning collection and control of the amount and quality of LFG due to the age of refuse and regulatory compliance needs, SCS has always worked with the parties involved to make sure each stakeholder's unique needs are met. This balancing act between function and compliance is always a challenge, but we remain committed to accomplishing the best possible outcomes for the involved parties to the best of our ability.

Health and Safety Protocols and COVID-19

Safety as a value is the foundation of our work culture at SCS. Beyond our day-to-day commitment to health and safety, **SCS has established protocols to do our part to flatten the curve of the current COVID-19 pandemic.** In addition to the State, County, and Center for Disease Control's (CDC) guidelines for social distancing, sanitation, and face-coverings in public areas, SCS has developed the following guidance for staff to help combat the spread:

- **Re-Opening and Sanitation of Offices and Common Areas:** As our offices around the country slowly reopen, office re-occupation plans are developed by management staff and reviewed by our corporate health and safety specialists. Office re-occupation plans developed require corporate approval before our doors are unlocked. These plans detail procedures for sanitation of offices, trailers, and common areas utilized by SCS personnel. Flow charts have been developed for guidance on what to do if an employee is infected and potentially exposed to COVID-19.
- **Personnel Temperature Checks:** On a daily basis, personnel who enter our offices conduct self-temperature checks with an infrared thermometer. Individuals who exhibits signs or symptoms of COVID-19 or feels sick is encouraged and directed to stay home. Commonly used safety equipment, such as the infrared thermometer, is sanitized immediately after use.
- **Isolation:** Our OM&M Project Team has the benefit of the knowledge and experience at landfill sites and can work effectively as individuals in the field. This self-isolation of field personnel greatly reduces the risk of potential exposure between staff.
- **Subcontractor Wellness Forms:** SCS has developed a questionnaire that is sent to subcontractors prior to their personnel setting foot on a site. The questionnaire is intended to help facilitate conversation with our subs and is a precaution to protect our employees and mitigate potential spread of the disease to our workforce.
- **Travel for Work Protocol:** SCS has established a Job Hazard Analysis document for potential essential business travel which includes air travel, long distance driving, or over-night stays. This document details safety protocols and contingencies for these various traveling methods. SCS understands that some travel for work may be unavoidable, but makes every effort to find alternatives or postpone travel as much as possible. SCS utilizes the Microsoft Teams program to conduct meetings with staff or

clients in order to lessen the amount of travel or face-to-face encounters that may be required on a project.

SCS strives to perform work in a professional, productive, safe, and high-quality manner. SCS is continually improving its H&S practices to protect the public and our employees. Safety is an integral part of how we do business, and we have adopted a comprehensive safety program to carry out that philosophy. It is our goal to eliminate unsafe practices and conditions, and have zero accidents and injuries, while offering the best service to clients.

General Health and Safety

In accordance with the California and Federal Occupational Safety and Health Administration's (OSHA), we have a Health and Safety Program and associated rules in place as required under both California Law and the Code of Federal Regulations (CFR). These include OSHA29 CFR 1910 and Cal OSHA 1973 Division 5 Section 6300 of the Labor Code, including an Injury and Illness Prevention Program (IIPP) in accordance with SB 198 (California). We work with clients to reduce risks to our project staff, the local community and environment, and the public. Some features of our thorough Health and Safety plan include:

- Development of Site-Specific Health and Safety Plans for each project in accordance with OSHA 29 CFR 1910.120.
- Field personnel participate in OSHA 29 CFR 1910.120 Medical Monitoring and 40- Hour Health and Safety Training.
- Field personnel are provided Personnel Protective Equipment (PPE) bags in accordance with OSHA 29 CFR 1910.120.
- Personnel are trained and certified in Competent Person Awareness for Trench and Excavation Safety in accordance with OSHA Excavation Standards CFR 1926, Sub-Part P and Title 8, Chapter 4 (Cal OSHA); SCS maintains an Annual Trench/Excavation Permit pursuant to Labor Code Sections 6500 and 6502 (Cal OSHA).

As project manager, Mike Calmes will provide oversight not only for SCS staff, but also our subcontractors working on-site pay exceptional attention to safety, at all times, while also moving projects along as efficiently as possible. Corporate Health & Safety Director Sandra Ripplinger, CIH, CSP, and Health & Safety Specialist Ken Kampfen will provide health and safety oversight throughout the duration of the new contract. Our site-specific Health and Safety Plan is also reviewed by SCS technicians and subcontractors upon arriving onsite. SCS technicians perform monthly online safety training through the SCS Learning Management System. Our track record at each site is strong and we are fully committed to keeping it that way moving forward.

SCS's daily commitment to safety has resulted in zero lost working days for SCS staff working at the Yolo County Central Landfill.

If extra safety precautions are required, our project management team has local access to additional safety equipment, such as ventilation blowers, supplied air compressors, and respirators; which can be deployed on short notice.

Maximizing Efficiencies and Value-Added Service

State-of-the-Art Technology

SCS's suite of data management technologies has and can make life easier and reduced costs for County staff tasked with managing operations at the Yolo County Central Landfill.

SCSeTools®, SCS's state-of-the-art data management platform for owners-operators of solid waste facilities, allows monitoring data to be reviewed as soon as monitoring is complete and data is uploaded. Data analysis allows users to identify under-performing wells and target locations in need of adjustment to maintain regulatory compliance and provide a consistent flow of usable gas for the LFGTE plant at the Yolo County Central Landfill. **The County currently pays an additional monthly fee for the use of SCSeTools. As an added value to the County, if SCS is selected for this new contract we will provide the County use of the SCSeTOOLS® data management platform free of extra charge during the entire period of the new contract term.**

SCS Remote Monitoring and Control® (SCS RMC®), SCS's custom supervisory control and data acquisition (SCADA) system provides automated notification of flare status and operation, and enables client technicians to remotely restart the system during periods of LFGTE shutdowns. This saves clients the cost of an emergency call-out response and the associated negative impacts of a prolonged shutdown.

SCS MobileTools®, allows those with access to SCSeTools® the ability to view blower flare station and wellfield data within 24 hours of monitoring.

Value-Added Service

Value-added service means proactively looking for ways to save you time and money wherever we can. For example, by:

- Sharing suggestions and recommendations based on our extensive experience and best practices.
- Not invoicing for inconsequential expenses or our time spent coordinating meetings between County and SCS staff.
- Establishing local access to additional safety equipment, which has minimized schedule inefficiencies without compromising safety.
- Streamlining processes that have delivered cost savings due to reduced SCS labor expense.

Strong Management

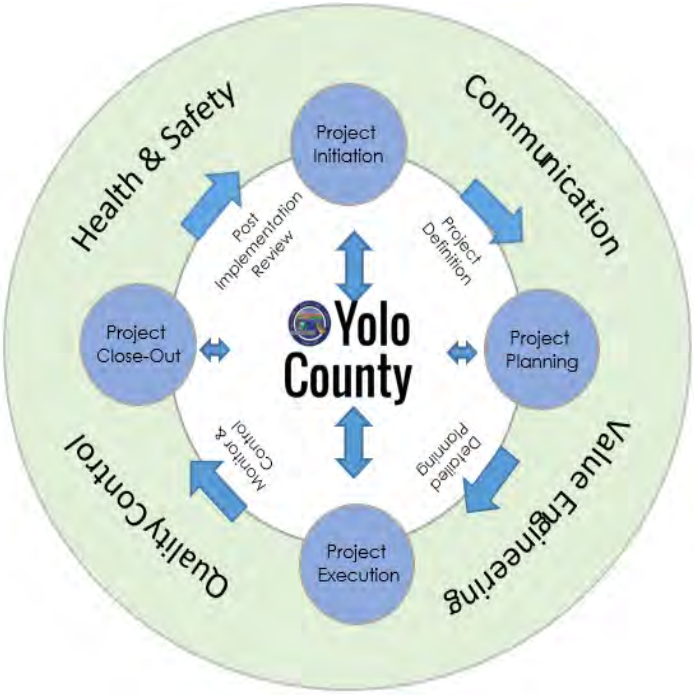
Establish and maintain strong County and SCS communication protocols. We know what we can do proactively and when to seek approval for project tasks. We know who to communicate with and when, so feedback and authorizations can be obtained promptly to aid project efficiencies and cost controls. As Project Manager, Mike will continue to use Deltek Vision® for budgetary management (SCS's national project management system), MS Outlook for schedule management (along with

phone/text/in-person communication), and MS Teams for document sharing and storage. However, if awarded this contract, we will re-confirm your preferences during the new contract kick-off meeting.

In the role of Reviewing Principal, Tony will continue to have overall responsibility for our field services and Pat will have overall responsibility for our engineering services on this project. They will act as the "second set of eyes" quality assurance reviewers for client deliverables prior to presentation to the County.

Mike, Tony, and Pat are fully committed to ensuring our project team meets your expectations for work product, adherence to schedule and budget, and excellent overall service on the new contract.

Yolo County Central Landfill Project Lifecycle



C. THE SCS PROJECT TEAM

Our project team members (23+) and the roles they will perform on the County of Yolo contract are shown in the organization chart below. Several of our key staff are familiar to you, having performed services at the Yolo County.

LEADERSHIP

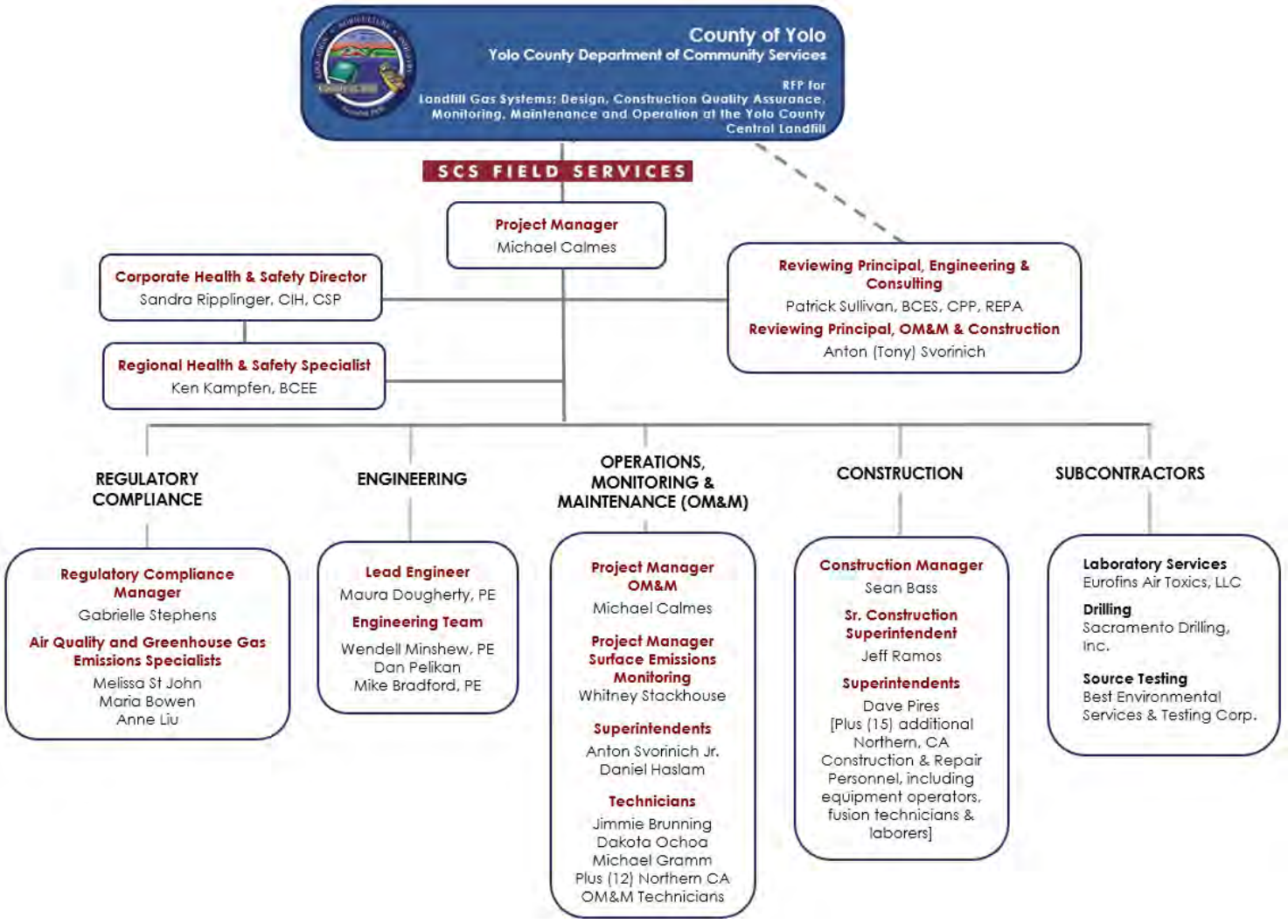
Listed below are the proposed (13) SCS supervisory and lead operations personnel for this project that make up our Project Team.

- **Michael Calmes:** Project Manager, Project Manager OM&M, and **Primary Point of Contact**
- **Patrick Sullivan:** BCES, CPP, REPA, Reviewing Principal, Engineering & Consulting
- **Tony Svorinich:** Reviewing Principal, OM&M & Construction
- **Sandra Ripplinger**: CIH, CHP, Corporate Health & Safety Director
- **Ken Kampfen:** BCEE, Regional Health & Safety Specialist
- **Gabrielle Stephens:** Regulatory Compliance Manager
- **Maura Dougherty:** PE, Lead Engineer
- **Whitney Stackhouse:** OM&M Project Manager for Surface Emissions Monitoring
- **Anton W. Svorinich:** OM&M Superintendent
- **Daniel Haslam:** OM&M Superintendent
- **Sean Bass:** Construction Manager
- **Jeff Ramos:** Senior Construction Superintendent
- **Dave Pires:** Construction Superintendent

Crucial components to project success for our Project Team members that serve Northern California clients are **a)** providing prior knowledge, **b)** environmental control systems, and **c)** intel regarding the regulatory climate - crucial components to project success. Feel free to contact our key staff identified above with questions regarding project status, field activities, or administrative issues.

See our Project Team organization chart below.

Figure 1. Organization Chart



Full Resumes for our (13) thirteen management, supervisory and lead operations personnel are provided in **Appendix A. Professional Resumes**; and for our (3) three Subcontractors in **Appendix B.** Certifications for our Staff are listed within their resume and are readily available upon request. Details on each team member's qualifications are provided in the capsule resumes below.

Key Team Capsule Resumes

SCS Project Manager, OM&M Project Manager, and Primary Point of Contact

Mike Calmes will serve as the Project Manager and OM&M Project Manager. He will be responsible for assisting in the oversight and will help conduct the day-to-day OM&M at the site. Tasks to be performed include operations and monitoring of the LFG flare, collection and leachate pump systems and other technical field staff scheduling, contact with the County, equipment resource scheduling, liaison with needed subcontractors, regulatory compliance, engineering, construction, and/or OM&M support. He will also be responsible for conducting on-site health and safety (tailgate) meetings. He has over 16-years of hands-on experience in the operation, construction, and/or repair of LFG collection systems. **Mike is currently responsible for OM&M services for the LFG collection and control system and separate LFG extraction well construction or replacement services contract at the Yolo County Central Landfill.** *Tenure with SCS*: 16-Years.

SCS Engineering Services Reviewing Principal, Regulatory Compliance Engineering & Consulting

Patrick (Pat) Sullivan, BCES, CPP, REPA**,** is a Certified Permitting Professional (CPP), Board Certified Environmental Scientist (BCES), Registered Environmental Property Assessor (REPA), and CARB GHG Program Approved Lead Verifier. He has over 32-years of experience in solid waste management, specializing in air quality permitting and compliance. Pat is Managing Director of SCS's consulting and engineering operations within the Southwestern United States, the largest of SCS's engineering business units, and is the Practice Leader for SCS's Solid Waste Practice in the same region. He is the National Expert for SCS's companywide Clean Air Act program, oversees SCS's company-wide GHG and Risk Assessment programs, and is among our nation's national experts on air quality issues for solid waste facilities. Pat is also an SCS Senior Vice President and member of SCS's Management Advisory Committee. He has provided senior-level services to owner-operators of landfills at hundreds of solid waste sites in multiple states, especially in California, and has extensive experience with regulatory compliance. *Tenure with SCS*: 32-Years.

SCS Field Services Reviewing Principal, OM&M & Construction

Anton (Tony) Svorinich Jr. will serve as SCS Field Services Reviewing Principal, OM&M & Construction. He will provide quality review for the project and confirm that SCS policies and procedures (including quality assurance, health and safety, business conduct, standard of care, and personnel training) are followed. Tony is Vice President, Regional OM&M Manager in our Field Services division with over 38-years of technical and managerial experience in the LFG field. His background in this field is reflective of the more than 50 separate Northern California LFG collection system OM&M projects he has overseen as a Project Manager. Tony is currently the reviewing principle for OM&M services for the LFG collection and control system and separate LFG extraction well construction or replacement services contract at the Yolo County Central Landfill. *Tenure with SCS*: 31-Years.

SCS Engineering Services Corporate Health & Safety Director

Sandra Ripplinger, CIH, CSP, has 33-years of experience providing occupational and environmental health and safety services. A Project Director with SCS's Environmental Health Services Division, Sandra's experience includes providing industrial hygiene expertise for facility health and safety audits; processing safety management audits; providing training; conducting environmental evaluations involving mold, indoor air quality, asbestos, lead-based paint, lead worker exposure, and OSHA worker exposure; conducting ionizing and non-ionizing radiation surveys; managing exposure issues; and managing hazardous waste drum sampling for unknowns. Her industrial hygiene and environmental consulting experience include designing and overseeing remediation projects involving mold, asbestos, hazardous waste (metals and solvents), hazardous materials, polychlorinated biphenyls (PCBs), mercury, and other Resource Conservation and Recovery Act (RCRA) heavy metals; conducting both area and personal industrial hygiene sampling for metals. *Tenure with SCS*: 9-Years.

SCS Field Services Regional Health & Safety Specialist

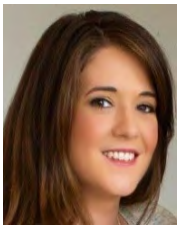
Ken Kampfen, BCEE, is our Regional Health and Safety Specialist with over 28-years of experience in the solid waste and environmental engineering industry. He has coordinated and provided Health and Safety training for SCS Field Services employees in the Northwest (Northern California, Northern Nevada, Montana, Oregon, Washington, Alaska and Western Canada); Southwest (Southern California, Southern Nevada, Arizona and Hawaii); and Mountain (New Mexico, Colorado, Utah and Wyoming) Regions, as well as for various SCS Engineers and SCS Energy employees located within those same regions. Ken has provided 8-hour HAZWOPER Refresher training, CPR/AED/First Aid training and Confined Space Entry Certification training for various SCS offices and select outside clients. He has also provided safety management and project management services on a national and international basis. Ken has played a major role in developing SCS's internal Health and Safety Training Program, including creating training materials/presentations, creating Standard Operating Procedures (SOP), conducting a Job Task Safety Analysis (JTSA) for each routine task performed by personnel and conducting Health and Safety field audits/inspection throughout the Northwest, Southwest and Mountain Regions. *Tenure with SCS*: 22-Years.

SCS Engineers Regulatory Compliance Manager

Gabrielle Stephens has 19-years of experience in environmental consulting — all with SCS. She has been involved in numerous projects related to air permitting and compliance. She has provided on-call regulatory support to various landfills and industrial facilities, as well as prepared reports and emission inventories. She is familiar with multiple sites included in the scope of work as she has provided compliance and permitting support to the County since 2010. *Tenure with SCS*: 19-Years.

SCS Engineering Services Lead Engineer

Maura Dougherty, PE, is a Project Manager specializing in environmental and civil engineering systems planning and design, groundwater hydrology, air pollution modeling, and health risk assessment. She brings over 22-years of experience in the management of landfill and LFG projects, including closure cap construction and gas collection and control system (GCCS) projects. She has experience leading a portfolio of solid waste projects for private sector clients. She has managed various aspects of these projects, including budget oversight, client interaction, coordination with regulatory staff, design and technical review, and project construction and fieldwork. Her design experience includes baseliner and final cover designs for landfill facilities and facility permit applications and modifications. Her experience also includes construction management and inspection, storm water and erosion control, waste soils management, compliance, environmental investigation and remediation, and hydrogeological site investigations. Her solid waste experience includes designing composting facilities, including facility layout for traffic and material management; converting existing windrow to aerated facilities and expanding existing aerated facilities; site permitting; storm water and contact water control; and material throughput and feedstock management. *Tenure with SCS*: 1-Year.



SCS Field Services OM&M Project Manager Surface Emissions Monitoring

Whitney Stackhouse has 16-years of experience in geologic fields and groundwater - fourteen of those years with SCS. She has provided coordination, quality control and support services for landfill environmental compliance and Landfill Methane Rule (LMR) surface emissions monitoring and reporting, as well as maintaining and testing landfill gas (LFG) and leachate collection systems. Whitney has worked on numerous projects related to these services. She is responsible for the supervision and coordination of quarterly on-site SEM monitoring activities at over 40 sites and has assisted with data and reporting requirements for 10 Title V landfills in Northern California. *Tenure with SCS*: 14-Years.

SCS Field Services OM&M Superintendent

Anton W. Svorinich has over 12-years of experience providing OM&M services for a variety of municipal solid waste landfills and landfill gas-related projects. His experience includes, but is not limited to landfill gas migration control system start-up and adjustments, long term operation, maintenance and monitoring, troubleshooting, repairs, subsurface and surface emissions monitoring, landfill gas control and recovery systems, leachate treatment and control systems, condensate destruction and control systems, preparation and submittal of routine system status reports, maintenance of site grading and drainage systems, landfill gas handling and flaring facilities, combustible gas sensor monitoring, landfill fire control and containment and regulatory agency reporting and permitting. **Anton also has successful current and previous Yolo County Central Landfill LFG OM&M experience.** *Tenure with SCS*: 12-Years.

SCS Field Services OM&M Superintendent

Daniel (Dan) Haslam has over 11-years of hands-on experience with SCS in the operation, construction, and/or repair of LFG collection systems. **He also has successful current and previous Yolo County Central Landfill LFG OM&M experience.** He will be responsible for conducting oversight of the day-to-day OM&M at the site. Tasks to be performed include operations and monitoring of the LFG flare; collection and leachate/ condensate pump

systems; technical field staff scheduling; primary contact for on-site County personnel; equipment resource scheduling; as well as the liaison for necessary subcontractors, engineering, construction, and/or OM&M support. Dan will also be responsible for conducting on-site health and safety (tailgate) meetings. *Tenure with SCS*: 11-Years.

SCS Field Services Construction Manager

Sean Bass is a Senior Project Manager with 20-years of operational/construction experience involving OM&M/Construction of Landfill (LFG) collection systems, including the installation of blower/ flare stations components; leachate/condensate collection and pumping systems; groundwater pump and treatment system and activated carbon vent systems; as well as pipe line installation (both PVC and HDPE) and automated methane gas detection systems. He also operates and maintains LFG environmental control systems to meet Bay Area, Central Valley APCD, Title V, LMR and California regulations and requirements. Sean handles the implementation of necessary routine and non-routine repairs and maintenance required to keep systems operational and in compliance with various prescribed operating parameters and goals; supervises and/or assists in required maintenance and repairs; and interacts and/or manages subcontractors and vendors needed to assist with systems maintenance. In addition, he prepares monthly reports, invoicing, records field observations, and manages recommended repairs or other system modifications to maintain compliance. **Sean is currently working at the Yolo County Central Landfill managing OM&M for the landfill gas collection and control system.** *Tenure with SCS*: 20-Years.

SCS Field Services Senior Construction Superintendent

Jeffrey (Jeff) Ramos has over 20-years of experience in environmental Landfill construction work, 9-years with SCS. He has effectively managed and successfully completed several challenging construction projects, primarily related to environmental, remediation, and solid waste landfill sites. Jeff's responsibilities include field project planning, daily production, resource personnel management, safety implementation, equipment, and client relations. He is an experienced heavy equipment operator and he is also a Senior Superintendent for multiple construction crews at multiple sites, with an emphasis on maintaining safety and conducting projects professionally. Additional responsibilities include daily supervision and coordination with subcontractors, material vendors, heavy equipment operations, and field construction crews. **Jeff will provide Gas Collection and Control Systems, construction and repair support services at the Yolo County Central Landfill.** *Tenure with SCS*: 9-Years.

SCS Field Services Construction Supervisor

David (Dave) Pires has over 20-years of experience and is an SCS Superintendent with over 8-years of comprehensive experience with SCS in the landfill gas (LFG) construction industry. He has effectively managed and successfully completed several challenging construction projects, primarily related to environmental, remediation, and solid waste landfill sites. Dave's responsibilities include field project planning, daily production, resource personnel management, safety implementation, equipment, and client relations. He is an experienced heavy equipment operator and he is also a Superintendent for multiple construction crews at multiple sites, with an emphasis on maintaining safety and conducting projects professionally. Additional responsibilities include daily supervision and coordination with subcontractors, heavy equipment operations, and field construction crews. **Dave will provide Gas Collection and Control**

Systems, construction and repair support services at the Yolo County Central Landfill. *Tenure with SCS*: 8-Years.

D. SUBCONTRACTING

To augment our team, for approved Task 2 – As needed LFG System Support we will partner with qualified and experienced subcontractors to offer the County additional capacity and specialty services. Our subcontractors are hand-picked and fully vetted. We have efficaciously teamed with each for over 10 years and know they produce quality work in an efficient and cost-effective manner. Subcontractor resumes are found in Appendix B.

SCS will work with Eurofins Air Toxics, LLC for Laboratory Services as needed. We have successfully worked with Eurofins on numerous landfill gas sampling and analysis projects throughout Northern CA. Eurofin's contact information is:

Eurofins Air Toxics, LLC

180 Blue Ravine Road, Suite B

Folsom, CA 95630

Phone: 916-605-3388
Fax: 916-351-8279

SCS will work with Best Environmental to provide flare emissions source testing and reporting services as needed. We have successfully worked with Best Environmental on numerous projects throughout Northern California. The firm's contact information is provided below.

Best Environmental Services & Testing Corp.
Flare Source Emissions Testing
6261 Southfront Road
Livermore, CA 94551
Phone: 925-455-9474
Fax: 925-455-9479

Additional information detailing Best Environmental's qualifications to perform the requested scope of services for the County of Yolo is provided in Appendix B.

SCS will work with Sacramento Drilling, Inc., to provide drilling of LFG extraction wells that may be required. We have successfully worked with Sacramento Drilling, Inc., on numerous projects throughout Northern California including LFG extraction well drilling and installation at the Yolo County Central Landfill. The firms contact information is provided below.

Sacramento Drilling, Inc.
1143 Blumenfield Drive Suite 100
Sacramento, CA 95815
Phone: 916-638-1766
Fax: 916-638-3725

Additional information detailing Sacramento Drilling, Inc.'s qualifications to perform the requested scope of services for the County of Yolo is provided in Appendix B.

Table 5. Subcontractors

Subcontractor	Years Supporting SCS	No. of Projects with SCS	Services
Best Environmental Services & Testing Corp.	15+	75+	Flare Emissions Source Testing & Reporting
Eurofins Air Toxics, LLC	10+	50+	Lab Services
Sacramento Drilling, Inc.	10+	50+	Drilling Services

E. LICENSES AND DIR REGISTRATIONS

dca

CONTRACTORS
STATE LICENSE BOARD
ACTIVE LICENSE

License Number **749678**

Entity CORP

Business Name STEARNS CONRAD AND SCHMIDT
CONSULTING ENGINEERS INC

Classification(s) A HAZ

Expiration Date 05/31/2022

www.cslb.ca.gov

Department of Industrial Relations
STATE OF CALIFORNIA

APPLICATION FOR
PUBLIC WORKS CONTRACTOR REGISTRATION

Registration Information

Type: Renewal

Period: July 1, 2020 – June 30, 2022

Contractor Information

Contractor Name: STEARNS CONRAD AND SCHMIDT CONSULTING ENGINEERS INC

Trade Name: STEARNS CONRAD AND SCHMIDT CONSULTING ENGINEERS INC

License Type Number: 1000004641

Contractor Physical Address

Physical Business Country: United States of America

Physical Business Address: 3900 KILROY AIRPORT WAY, #100

Physical Business City/ Province: LONG BEACH

Physical Business State: CA

Physical Business Postal Code: 90806

Contractor Mailing Address

Mailing Business Country:

Mailing Business Address:

Mailing Business City/ Province:

Mailing Business State:

Mailing Business Postal Code:

Contact Info

Daytime Phone:

Mobile Phone:

Daytime Phone Ext.:

Business Email: jarmstrong@scsengineers.com

Applicant's Email: jarmstrong@scsengineers.com

COUNTY OF YOLO
BUSINESS LICENSE OFFICE
292 West Beamer Street
Woodland, CA 95695
Telephone: (530) 666-8078

LICENSE # 12762

SIC # 8711
CONTRACTOR

SUBJECT TO ALL CONDITIONS OF YOLO COUNTY CODE TITLE 12

BUSINESS LICENSE

ISSUED TO: SCS Engineers, SCS Field Services
LOCATED AT
4730 Enterprise Way Ste. A
Modesto,, CA 95556

MAIL TO:
SCS Engineers, SCS Field Services
3900 Kilroy Airport Way, Ste. 100
Long Beach,, CA 90806

ORIGINAL ISSUE DATE: 08/27/2018
LICENSE EXPIRES ON: 01/31/2023

THIS LICENSE MUST BE POSTED IN A CONSPICUOUS PLACE

LICENSE

Conditions of approval of this Business License are below:

Under federal and state law, compliance with disability access laws is a serious and significant responsibility that applies to all California building owners and tenants with buildings open to the public. You may obtain information about your legal obligations and how to comply with disability access laws at the following agencies: The Division of the State Architect at www.dgs.ca.gov/dsa/Home.aspx. The Department of Rehabilitation at www.rehab.cahwnet.gov. The California Commission on Disability Access at www.ccda.ca.gov.

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
03/24/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

Holder Identifier :

PRODUCER	CONTACT NAME:	
Aon Risk Insurance Services West, Inc. Los Angeles CA Office 707 Wilshire Boulevard Suite 2600 Los Angeles CA 90017-0460 USA	PHONE (A/C. No. Ext): (866) 283-7122	FAX (A/C. No.): 800-363-0105
	E-MAIL ADDRESS:	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Stearns, Conrad and Schmidt Consulting Engineers, Inc. 3900 Kilroy Airport Way, Suite 100 Long Beach CA 90806-6816 USA	INSURER A: Steadfast Insurance Company	26387
	INSURER B: Zurich American Ins Co	16535
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [X] LOC OTHER:			GL0011277806	03/31/2021	03/31/2022	EACH OCCURRENCE	$2,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
							MED EXP (Any one person)	$25,000
							PERSONAL & ADV INJURY	$2,000,000
							GENERAL AGGREGATE	$4,000,000
							PRODUCTS - COMP/OP AGG	$4,000,000
B	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			BAP 0112780-06	04/01/2021	04/01/2022	COMBINED SINGLE LIMIT (Ea accident)	$2,000,000
							BODILY INJURY (Per person)	
							BODILY INJURY (Per accident)	
							PROPERTY DAMAGE (Per accident)	
	UMBRELLA LIAB OCCUR **EXCESS LIAB** CLAIMS-MADE DED RETENTION						EACH OCCURRENCE	
							AGGREGATE	
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC011277906	04/01/2021	04/01/2022	X PER STATUTE OTH-ER	
							E.L. EACH ACCIDENT	$1,000,000
							E.L. DISEASE-EA EMPLOYEE	$1,000,000
							E.L. DISEASE-POLICY LIMIT	$1,000,000
A	Env Prof (E&O)			IPR379235303 Prof Liab - Claims Made	03/31/2020	03/31/2023	Per Claim Aggregate	$2,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Evidence of Insurance.

CERTIFICATE HOLDER

SCS Engineers, SCS Energy, SCS Field Services, SCS Tracer Environmental
3900 Kilroy Airport Way #100
Long Beach CA 90806-6816 USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Aon Risk Insurance Services West, Inc.

3 EXHIBIT C: PROPOSAL COST WORKSHEET

We look forward to providing you with the required Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation Services at the Yolo County Central Landfill covered in the scope of work, and we have submitted our most competitive pricing. We believe our proven record of adding value whenever possible offers the County unbeatable value on the proposed contact.

However, if you would like us to revisit any aspect of our pricing, we would be pleased to attempt to find a way to fine-tune the scope of work and our budget to better meet your needs. We have provided our pricing below to meet the specific RFP stipulated Task 1 scope of work.

a) Below is our Cost Estimate for Task 1, with detailed breakdown of estimated personnel, hourly rates, estimated hours, equipment, and reimbursable expenses per month. We acknowledge that reimbursement for Task 1 will be based on actual costs with a not-to-exceed cap as provided in Contractor's estimate.

COUNTY OF YOLO COST ESTIMATE

LFG SYSTEMS; DESIGN, CONSTRUCTION QUALITY ASSURANCE, MONITORING, MAINTENANCE AND OPERATION AT THE YOLO COUNTY CENTRAL LANDFILL

TASK 1 - ROUTINE MONTHLY LFG SYSTEM OPERATION, MONITORING, AND MAINTENANCE

May 1, 2022 through April 30, 2023

SCS-FS TEAM PERSONNEL	Hours by Task Per Month 1			Amount, $
SCS Field Services	**Total Hours**		**Per Staff**	**Total**
Project Manager	2		215	**430**
Project Professional	4		150	**600**
Senior Project Administrator	1		90	**90**
Superintendent	10		118	**1180**
Technician 1	15		90	**1350**
Technician 2	10		90	**900**
Total Personnel (Hours):	**42**			
Total Personnel Per Task ($):	**4,550**	**Total, SCS Labor:**		**$4,550**
OTHER DIRECT COSTS (ODC)				**Amount, $**
Misc. Admin.	100			**100**
H&S Equipment	100			**100**
CO Dreager Test Tubes	125			**125**
Subtotal ODC ($):	325	**Subtotal ODC:**		**$ 325**
Administration @ 15% ODC ($):	49	**Admin. 15%:**		**$ 49**
Tool Truck	814			**814**
SCS Field Equipment & Instruments	750			**750**
Total Monthly Cost per Task ($):	**$ 6,488**			**$ 6,488**
Total Annual 12 Month Cost ($):	**$ 77,853**			

Description of Tasks

Monthly OM&M Costs including rechecks and Quarterly CO Testing.

b) On the pages that follow, please find our labor and instrument fee schedules for staff and equipment proposed on this County Project. We understand that the County will use this information when developing cost estimates for work requests in Task 2. Our costs include hourly rate, supplies, transportation, printing, and other related expenses. We acknowledge that reimbursement for each assigned work request will be based on actual costs with a not-to-exceed cap as provided in our estimate.

Fee Schedule

(Effective May 1, 2022 through April 30, 2023)

	Rate/Hour
Clerical	79
Administrative/Secretarial	90
Technician	97
CAD Drafter	103
Senior Engineering Technician	109
Technical Associate	115
Associate Staff Professional	122
Assistant Office Services Manager/Project Administrator	121
Project Analyst	124
Office Services Manager/Senior Project Administrator	124
CAD Designer	128
Staff Professional I	138
Staff Professional II	145
Senior Office Services Manager	148
Staff Professional III	152
Project Professional I	158
Project Professional II	166
Project Professional III	175
Senior Project Professional I	181
Senior Project Professional II	193
Senior Project Professional III	204
Industrial Hygienist/Safety Professional	212
Project Manager I	218
Project Manager II	227
Senior Certified Industrial Hygienist/Safety Professional	236
Project Manager III	243
Senior Project/Technical Manager	258
Senior Project Advisor	267
Project Director I	273
Project Director II	282
Principals and Executives	See Note 7

General Terms

1. Scheduled rates are effective through April 30, 2023. Work performed thereafter is subject to a new Fee Schedule.

2. Costs for outside consultants and subcontractors, equipment/supplies, and for job-related employee travel and subsistence, are billed at actual cost plus a 15 percent administrative fee.

3. Charges for SCS field equipment and instruments will be in accordance with SCS's Field Equipment Rental Rates Schedule in effect at the time the work is performed. Company trucks

are charged at $65 for up to a half day (4 hours) of use, and $115 for up to a full day (company cars at $53/$94). These charges incorporate an allowance of 100 miles per job per day; a $0.37 per mile surcharge is applied for additional miles. Vehicle charges for long-term and/or high-mileage projects may be negotiated on a case-by-case basis.

4. Invoices will be prepared monthly or more frequently for work in progress, unless otherwise agreed. Invoices are due and payable upon receipt. Invoices not paid within 30 days are subject to a service charge of 1.5 percent per month on the unpaid balance.

5. Payment of SCS invoices for services performed will not be contingent upon the client's receipt of payment from other parties, unless otherwise agreed in writing. Client agrees to pay legal costs, including attorney's fees, incurred by SCS in collecting any amounts past due and owing on client's accounts.

6. For special situations such as expert court testimony and limited consultation, hourly rates will be on an individually negotiated basis.

7. Hourly rates for Principals and Executives will be on an individually negotiated basis. Typically, these rates are $289/hour for Principals, $306 for Vice Presidents, and $365/hour for Senior Vice Presidents and Senior Executives.

O M & M
FEE SCHEDULE

(Effective May 1, 2022 through April 30, 2023)

Technical Field Personnel	Rate ($)/Hour
Laborer	62
Fusion Technician	85
System Specialist	85
Technician	90
Equipment Operator	92
Foreman	97
Plant Operator	98
Senior Technician	110
Superintendent	118
Mechanic	118
Senior Superintendent	144
Controls Specialist/Network Engineer/Drone Pilot	165
Network Engineer II	170
Laborer/Pipefitter (Prevailing Wage)	175
Equipment Operator (Prevailing Wage)	248

Management/Support Personnel	Rate ($)/Hour
Secretarial	58
Project Administrator	75
Field Data Analyst	95
Senior Field Data Analyst	115
Senior Project Administrator	90
Administrative Coordinator	110
Designer/Drafter	113
Project Coordinator/Accountant	122
Field Project Coordinator	139
Project Professional/H&S Specialist	150
Regional Field Compliance Auditor	172
Controls & Instrument Engineer	175
Product Development Manager	185
System Integrator/Product Manager/Business Manager	190
Project Manager/H&S/National Compliance Manager	215
Senior Project Professional	216
Developer	225
RMC Business Manager	225
Sr. Project Manager	240

National RMC Director.....240
Sr. Project Advisor.....245
Regional Manager/Project Director 275

General Terms

1. Labor rates are in effect until April 30, 2023. Any work performed after that date is subject to a new Standard Fee Schedule.

2. The above rates include salary, overhead, and profit. Other direct charges, such as subcontractors, construction equipment, materials, air travel, freight, auto rental, permits, fees, taxes, tolls, and other costs incurred for the project, will be billed at cost plus 15 percent. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up. Automobile mileage cost is $0.57 per mile and is subject to change per Federal IRS laws. Trucks will be charged at $22.00/hour. (No administrative mark-up will be applied to charges for company owned vehicles.)

3. Invoices will be prepared monthly for work in progress, unless otherwise agreed. Invoices are due and payable upon receipt. Any invoices not paid within 30 days of receipt are subject to a service charge of 1.5 percent per month on the unpaid balance.

4. Payment of SCS Field Services invoices for services performed will not be contingent upon the client's receipt of payment from other parties. The client agrees to pay legal costs, including attorney's fees, incurred by SCS Field Services in collecting any amounts past due and owing on the client's accounts.

5. Rates for Principals may be negotiated on a project-specific basis. For special situations, such as expert testimony or international assignments, hourly rates will be on an individually negotiated basis.

6. On short term or one-time assignments, services which require less than eight (8) hours, but more than four (4) hours, will be billed at eight (8) hours. A minimum of four (4) hours will be billed for any service requested which is not conducted in conjunction with an ongoing, long term project (including call-outs after normal work hours), and will be charged portal-to-portal from SCS Field Services offices.

7. For operation, construction, and/or repair work performed on weekends and/or nights (if work exceeds 8 hours in a day), the above rates will be marked up 50 percent. For work performed on Company recognized holidays or beyond 12 hours in a day, the above rates will be marked up 100 percent.

8. These rates are based on non-union, non-prevailing wage scales unless otherwise stipulated.

9. For long-term on-site project assignments, rates may be discounted on an individually negotiated basis. Long-term on-site personnel are permitted to return home every four (4) weeks. Travel expense shall be invoiced to the client at cost plus 15 percent.

10. For projects that are not local to an SCS Field Services office, thereby requiring crew mobilizations, lodging costs and a $55 per person per diem cost will be charged. Lodging and per diem costs will be marked up 15 percent.

11. For projects that require crews to mobilize from a local office and stay in a hotel local to a project site to efficiently perform client requested work, a $55 per day per person per diem cost will be charged to the project as well as a nightly hotel cost. Hotel costs typically range from $95 to $175 per night. SCS Field Services will make every effort to find the most cost efficient hotels. In some high expense locations, hotel rates may be above $175 per night. Hotel and per diem expense will be marked up 15 percent.

12. Costs for equipment and analysis will be billed in accordance with the rates contained on SCS Field Services Standard Fee Schedule for Equipment and Analysis.

OM&M
FEE SCHEDULE FOR EQUIPMENT AND ANALYSIS
(Effective May 1, 2022 through April 30, 2023)

Rate ($)

GEM 2000 NAV/5000 NAV/Envision Gas Analyzer(s):

- Daily Rate 185/day
- Weekly Rate 555/week
- Monthly Rate 2,775/month

GEM 5000 w/H_2S/CO

- Daily Rate 200/day
- Weekly Rate 600/week
- Monthly Rate 3,000/month

SEM 500/TVA 2020/TDL 500/ Site FID Emissions Monitor:

- Daily Rate 200/day
- Weekly Rate 600/week
- Monthly Rate 3,000/month

Q Rae Gas Analyzer O_2/H_2S/CO/Combustibles 50/day
Micro Max Gas Analyzer O_2/H_2S/CO/COI Combustibles 50/day
4 Gas Meter 50/day
Magnehelic Pressure Meter 10/day
Digital Readout Thermocouple 25/day
Dewatering Pump (Trash Pump) 45/day
Dräger Detector Tubes/Pump 20/each

MiniRae 2000/3000 PID:

- Daily Rate 150/day
- Weekly Rate 450/week
- Monthly Rate 2,250/month

RKI Eagle II:

- Daily Rate 150/day
- Weekly Rate 450/week
- Monthly Rate 2,250/month

Rate ($)

Air Sampling Station:

- Daily Rate.....50/day
- Weekly Rate.....150/week
- Monthly Rate..... 750/month

Pipe Laser:

- Daily Rate.....50/day
- Weekly Rate.....150/week
- Monthly Rate..... 750/month

PAS 3000 Personal Air Sampling Pump.....25/day
Tedlar Bag (10-Liter)..... 40/each
Non-Contaminating Air Sampling Pump.....25/day
Interface Probe.....50/day

Handheld GPS:

- Daily Rate.....25/day
- Weekly Rate.....75/week
- Monthly Rate..... 375/month

Submersible Pump:

- Daily Rate.....50/day
- Weekly Rate.....150/week
- Monthly Rate..... 750/month

Water Level Indicator:

- Daily Rate.....20/day
- Weekly Rate.....60/week
- Monthly Rate..... 300/month

Water Level Meter w/Temperature:

- Daily Rate.....45/day
- Weekly Rate.....135/week
- Monthly Rate..... 675/month

100-Foot Temperature Probe:

- Daily Rate.....15/day
- Weekly Rate.....45/week
- Monthly Rate..... 225/month

Rate ($)

Teflon Well Bailer 25/each
Vacuum Box/Carbon Canister and Blower 150/day
Tool Truck 22/hour

No. 14 P.E. Fusion Machine (1"-4"):

- Daily Rate 110/day
- Weekly Rate 330/week
- Monthly Rate 1,650/month

No. 26 P.E. Fusion Machine (2"-6"):

- Daily Rate 135/day
- Weekly Rate 405/week
- Monthly Rate 2,025/month

No. 28 P.E. Fusion Machine (2"-8")

- Daily Rate 180/day
- Weekly Rate 540/week
- Monthly Rate 2,700/month

No. 412 P.E. Fusion Machine (4"-12"):

- Daily Rate 275/day
- Weekly Rate 825/week
- Monthly Rate 4,125/month

No. 618 P.E. Fusion Machine (6"-18"):

- Daily Rate 475/day
- Weekly Rate 1,425/week
- Monthly Rate 7,125/month

No. 824 P.E. Fusion Machine (8"-24"):

- Daily Rate 950/day
- Weekly Rate 2,850/week
- Monthly Rate 14,250/month

Trackstar 500 Fusion Machine

- Daily Rate 425/day
- Weekly Rate 1,275/week
- Monthly Rate 6,375/month

Rate ($)

Sidewinder Fusion Machine

- Daily Rate 150/day
- Weekly Rate 450/week
- Monthly Rate 2,250/month

Electrofusion Processor Machine:

- Daily Rate 175/day
- Weekly Rate 525/week
- Monthly Rate 2,625/month

Leister Extrusion Welding Gun 150/day
Air Compressor 60/day
Arc Welder 75/day
Generator (3,500-Watt) 60/day
Generator (5,000-Watt) 75/day
Generator (6,000-Watt) 80/day
Generator (8,000-Watt) 85/day

Isolation Pinch-off Tool (1”-4”):

- Daily Rate 40/day
- Weekly Rate 120/week
- Monthly Rate 600/month

Isolation Pinch-off Tool (2”-8”):

- Daily Rate 60/day
- Weekly Rate 180/week
- Monthly Rate 900/month

Isolation Pinch-off Tool (8”-12”):

- Daily Rate 100/day
- Weekly Rate 300/week
- Monthly Rate 1,500/month

4-Wheeler (ATV/UTV):

- Daily Rate 50/day
- Weekly Rate 150/week
- Monthly Rate 750/month

4-Wheeler with 44” Mow Deck:

- Daily Rate 100/day
- Weekly Rate 300/week
- Monthly Rate 1,500/month

Rate ($)

Riding Mower:

- Daily Rate 175/day
- Weekly Rate 525/week
- Monthly Rate 2,625/month

Chain Saw:

- Daily Rate 10/day
- Weekly Rate 30/week
- Monthly Rate 150/month

Horiba Water Quality Meter:

- Daily Rate 50/day
- Weekly Rate 150/week
- Monthly Rate 750/month

Hydrogen Sulfide Meter:

- Daily Rate 190/day
- Weekly Rate 570/week
- Monthly Rate 2,850/month

Infrared Thermometer:

- Daily Rate 10/day
- Weekly Rate 30/week
- Monthly Rate 150/month

Micropurge Flow Cell (Groundwater):

- Daily Rate 100/day
- Weekly Rate 300/week
- Monthly Rate 1,500/month

Oiless Compressor and Control Box (Groundwater):

- Daily Rate 75/day
- Weekly Rate 225/week
- Monthly Rate 1,125/month

Earth/Resistance Tester:

- Daily Rate 100/day
- Weekly Rate 300/week
- Monthly Rate 1,500/month

Rate ($)

Pitot Tube and Gauges:

- Daily Rate 10/day
- Weekly Rate 30/week
- Monthly Rate 150/month

Pressure Washer:

- Daily Rate 50/day
- Weekly Rate 150/week
- Monthly Rate 750/month

Turbidity Meter/Conductivity Meter:

- Daily Rate 25/day
- Weekly Rate 75/week
- Monthly Rate 375/month

Vacuum Air Pump:

- Daily Rate 100/day
- Weekly Rate 300/week
- Monthly Rate 1,500/month

Downhole Video Camera System 200/day

Weed Trimmer:

- Daily Rate 25/day
- Weekly Rate 75/week
- Monthly Rate 375/month

Safety Equipment:

- Tyvek Suit (each) 15/each
- Polyethylene suit (each) 20/each
- Nitrile gloves (per pair) 15/each
- PVC Gloves (per pair) 15/each
- Rubber booties (per pair) 15/each
- Organic Vapor Cartridges (per pair) 20/each
- Organic Vapor/Acid Cartridges (per pair) 25/each
- Cartridges pre-filters (per pair) 15/each
- Half face respirator (each) 20/day
- Full face respirator (each) 25/day
- Ventilator/manhole blowers 25/day
- Parachute harness 10/day

Rate ($)

- Tripod:
  - Daily Rate 75/day
  - Weekly Rate..... 225/week
  - Monthly Rate 1,125/month
- SCBA..... 200/day

General Terms

1. Rates are in effect until April 30, 2023. Any work performed after that date will be subject to a new Schedule of Fees.
2. Equipment usage rates are exclusive of freight charges to and from the project site. Freight is an additional expense chargeable to the client.
3. Shipping, supplies, equipment rental, materials, vehicle mileage, and other non-labor equipment costs or direct costs are billed at cost plus 15 percent.
4. Equipment rented will be charged portal-to-portal from SCS Field Services offices. Renter is responsible for return charges.
5. The cost of equipment owned by SCS Field Services will not be subject to administrative mark-up.

c) On the following page, we have provided our Fee Schedule below, for subcontractors Best Environmental Services & Testing Corp. and Eurofins Air Toxics, LLC.

For Task 2, our subcontractor Sacramento Drilling, Inc. (SDI) is unable to provide a fee schedule at this time, due to an undefined scope of work and variables. However, if LFG extraction well drilling or replacement work is needed during the term of the contract, SDI will provide a specific cost estimate for well drilling or replacement scope of work that might be needed for County pre-approval.

BEST ENVIRONMENTAL bestair@best-enviro.com
339 Stealth Court, Livermore, CA 94551 **(925) 455-9474 FAX (925) 455-9479**

February 9, 2022

Ms. Rebecca Rabano
SCS ENGINEERS
3900 Kilroy Airport Way, Suite #100
Long Beach, CA 90806-6816

Dear Rebecca:

Below please find the rates for the following specified tests (effective date 2/9/22):

Generic Pricing

Engineering (VOC, NOx, CO & O2)	**$4,850 each**
Standard Compliance Test, (VOC DRE, NOx, CO & O2)	**$7,000 each**
Visible Emission Evaluation	**$1,500 each**
Particulate Test by M5/202	**$6,380 each**
Formaldehyde Test by CARB M430	**$5,150 1 unit**
Flow Verification Test	**$2,850/day**
Boomlift Rental (Cost 15% surcharge)	

Estimated cost subject to changes based on actual testing performed. Our rate sheet for T&M projects is attached. If you have any questions or would like additional information, please give me a call at (925) 455-9474 X103.

Sincerely,

Bobby Asfour
Principal/QSTI

BEST ENVIRONMENTAL bestair@best-enviro.com
339 Stealth Court, Livermore, CA 94551 **(925) 455-9474 FAX (925) 455-9479**

2022 Rate Sheet

This is intended only as a guide.

$165	Hourly fee for project management staff
$250	Hourly overtime fee for project management staff
$120	Hourly fee for field technician
$180	Hourly overtime fee for field technician
85¢	Mileage charge for mobile test van (Portal to Portal)
56¢	Mileage charge for company vehicle (Portal to Portal)
15%	Standard mark up for outside services
$500	Daily isokinetic/integrated sampling equipment charges
$1,000	Daily CEM equipment charges (mobile CEM van)
25%	Standard mark up for 5-10 day TAT on reporting (When requested in writing by Valero)
50%	standard mark up for 1-4 day TAT on reporting (When requested in writing by Valero)
$175	Overnight per diem rate (most Central California locations)

BE reserves the right to bid all projects on an individual basis – costs may vary due to site particulars, type of work being performed and volume of work. Minimum daily charge may be incurred when testing is postponed or cancelled when crew is on-site.

- Once the client has signified its acceptance of BE's proposal, the express Terms and Conditions of BE's proposal to client and these Terms and Conditions shall constitute the complete and exclusive statement of the terms of the agreement between the parties.
- **Reservation/Confirmation of firm test dates will occur upon receipt of a purchase order number.**
- **It is the responsibility of the client to ensure that adequate sampling ports (pre-cleaned), electrical power, access to sampling ports, and a safe working environment are all present at the testing location.**
- **The client will be responsible for report submittal to the proper regulatory body (local APCD/AQMD, US-EPA, etc.).**
- **The recording of the operating conditions will be the client's responsibility unless otherwise requested (e.g., fuel usage, process rate, etc.).**
- Reports: A PDF of the final report for Client/Regulatory Agency. *Hard copies are $100.00 each, unless otherwise specified in bid/proposal*.
- Samples will be discarded after ninety (90) days unless otherwise specified.
- BEST ENVIRONMENTAL is not responsible for postponements due to inclement weather or other conditions out of our control.

Payment Terms:

- Net 30 for projects < $25,000.
- Projects > $25,000. 25% invoiced upon contract award, 25% invoiced after completion of field testing, balance invoiced after submission of final report (all due Net 30).
- Past due balances subject to a finance charge of $1\frac{1}{2}$% per month or 18% per annum.
- New Clients: Payment in full before submission of report.
- Clients requiring listing as an additional insured will be charged **$75 above quoted price.**
- Clients requiring **workers compensation** waiver of subrogation will be charged **10% above quoted price.**
- Credit Card Paymens will incur a **3.5%** service Fee.

Bids good for ninety (90) days unless otherwise specified.

Additional Testing Day Charges/Cancellation/Postponement Charges:

- Additional testing Day: ~ 30% of daily charges plus travel and hourly charges (see hourly charges below); per diem and external charges, if applicable.
- *Postponement notification within three (3) working days: 10% of quote (plus any external charges). **
- *Notification within one (1) working day: 30% of quote (+ external charges) plus travel and hourly charges (if applicable). **
- *Reserve days (test date reserved "in case it is needed") 20% of quote unless otherwise specified. **

*** BE reserves the right to pass on any additional charges incurred beyond the costs cited above - The charges listed above are costs for a "standard" BE job (no outside/external services required).**

Onsite Delays/Hourly Charges:

- Technician Rate: $120.00 per hour; Overtime: (>8 hours onsite) $160.00 per hour
- Supervisor Rate: $170.00 per hour, Overtime: (>8 hours onsite) $225.00 per hour
- Weekend/Holiday work: $225 per hour (double time)
- Onsite delays that extend into an additional day of testing will be treated as stated in additional test day charges unless otherwise specified.

Rush Report Charges:

- 50% of invoice for report within four (4) working days of completion of fieldwork.
- 25% of invoice for report within 5-10 working days of completion of fieldwork.
- These charges do not include analytical surcharges - these turnaround times may not be possible if laboratory analysis is required.

References herein to "BE" refer to BEST ENVIRONMENTAL

Unless BE's proposal provided otherwise, the proposed fees constitute BE's estimate of the probable cost required to complete the proposed project. The estimated probable cost identified in BE's proposal shall not be deemed to be either a guaranteed maximum or "guaranteed not-to-exceed" amount with respect to the cost of performing the project identified in any such proposal.

Timely payment is a substantial condition of client's performance of any agreement between BE and client. In the event BE must take legal action to be paid for its services and prevails, all collection and legal costs with such action shall be reimbursed by client.

Dispute Resolution: Mediation, Arbitration and Jurisdiction

The parties (BE and client) agree to perform non-binding mediation. If not resolved through mediation, the parties agree to arbitrate and all disputes with the American Arbitration Association using the laws of the State of California. Further, any such arbitration shall be conducted in Alameda County, California. Further, said arbitration will be binding.

Insurance:

BE shall maintain policies of insurance for the following types of coverage, each (except Workers' Compensation) with a **minimum** limit of liability of $2,000,000. The client shall incur costs for individual request for insurance with limits of liability >$2,000,000.

Comprehensive Commercial or General Liability
Workers' Compensation (statutory)
Comprehensive Automobile Liability
Professional Liability (Errors and Omissions)

Standard of Care:

While performing services under this agreement, BE shall exercise that degree of skill and care ordinarily exercised under similar circumstances by members of the air pollution testing profession performing the kind of services to be performed there under and practicing in the same or similar locality at the same time. The client shall be responsible to inform BE of the local regulatory agencies' past acceptable standards.

BE agrees to re-perform and correct, at its own expense, any work or services performed by BE which fails to conform to the standard of care mentioned above.

Indemnification:

The client shall, to the fullest extent permitted by law, indemnify and hold harmless BE, the corporation, the officers, directors, employees, agents and subcontractors from and against all damage, liability and cost, including reasonable attorney's fees and defense costs, arising out of or in any way connected with the performance by any of the parties above named of the services under this agreement, excepting only those damages, liabilities or costs attributable to the sole negligence or willful misconduct of the firm.

BE's liability to any parties shall not exceed the total dollar value of the test work due to any miss-performance of the performance of professional services under this agreement.

Once the client has signified its acceptance of BE's proposal, the express Terms and Conditions of BE's proposal to client and these Terms and Conditions shall constitute the complete and exclusive statement of the terms of the agreement between the parties.

Client agrees that BE has authority to use its name as a client and a general description of the project as a reference for other prospective clients.

eurofins | Air Toxics

Price Quotation for
SCS Engineers, Long Beach, CA
Yolo County Central Landfill

Quote #Q220231645R0
Feb 11, 2022

Description	Unit Cost
Analysis	
EPA TO-15 - Volatile Organic Compounds by GC/MS Full Scan TO-15 - see attached	$135.00
Standard 5 Business Day TAT	
Modified EPA TO-15 (5&20 ppbv) - Volatile Organic Compounds by GC/MS Full Scan TO-15 (5&20 ppbv) - see attached	$135.00
Standard 5 Business Day TAT	
Media Preparation Costs	
1 Liter Summa Canister	$30.00
Gauge-Vacuum	$7.00
Soil Gas Manifold	$30.00
Reassembly Fee (If manifolds are returned disassembled, an assembly fee will be added to the preparation costs.)	$25.00

**All media is billed for preparation charges and these costs are applicable regardless of whether media is returned used or unused. Orders cancelled or postponed within 5 days of scheduled delivery date will be billed at 40% of the listed preparation fees or $200, whichever is greater.*

Miscellaneous Costs (if Required)	
Duplicate Sampling T	$8.00
Unions	$20.00/each
Fittings/ferrules	$6.00/each
Tubing - Teflon	$4.00/ft
Rush media surcharge (Overnight)	+55/can
Rush media surcharge (2nd Day)	+30/can
Report Reissue	$125.00/hr
High Level Sample Prep**	$15.00/sample

***Additional sample preparation may be required in the case of high level matrix interference.*

Deliverables	
Standard ATL Report (provided in PDF and EXCEL via e-mail)	included

Eurofins Air Toxics, LLC
180 Blue Ravine Road, Suite B
Folsom, CA 95630
T | 916-985-1000
F | 916-351-8279
WWW.EUROFINSUS.COM

NOTES:

- Prices quoted are good for 60 days from date of quote. If a quote is provided for an ongoing project, prices are subject to a 3% increase on an annual basis.
- **Prices include 2nd day shipping to the site; client is responsible for return shipping.**
- **All residential deliveries will require signature upon receipt.**
- **Please note that reporting limits cited do not take into account sample dilution due to canister pressurization nor do they take into account sample dilution due to matrix interference.** In general, the dilution factor from pressurization will raise reporting limits approximately 1.5 to 1.7 times for 6L canisters and 2.4 to 2.5 times for 1L or PAC250 canisters.
- To ensure availability and prompt delivery of sample media, call at least 5 working days before project starts.
- Eurofins Air Toxics, LLC reserves the right to dilute samples as necessary so as not to damage instrumentation. If you request that samples be analyzed undiluted, additional charges may be assessed.
- Sampling media is provided in support of analytical services. This is not a rental transaction; sample canisters may not be sent to another laboratory without prior written consent from Eurofins Air Toxics, LLC.
- **Eurofins Air Toxics' SOP for sample storage states that samples will be retained only until analysis is completed; at such time the samples will be released for cleaning. The cost to have Eurofins Air Toxics hold a canister past the date of analysis is $25/day per canister, with a maximum of 5 days.**
- Client bears sole responsibility for determining the applicability of and meeting compliance with all regulations applicable to the shipment of samples. Eurofins Air Toxics assumes no liability with respect to the collection, handling, or shipping of samples. D.O.T. HAZMAT Hotline is (800) 467-4922.
- **Invoicing on Net 30 basis.** Analytical services will be provided per Eurofins Air Toxics' Standard Terms and Conditions.
- **Media should be returned to the laboratory within 15 days of receipt.** Using canisters beyond 15 days increases the risk of having unacceptable initial vacuum at the start of sampling. ATL does not guarantee canister vacuum after 30 days. **After 21 days , a fee of $50/canister will be applied for extended use**. **After 45 days** if the canisters have not been returned and special arrangements have not been made with the PM an invoice for the cost of the media will be issued.

Standard report and standard EDD turnaround time is 10 business days.

Eurofins Air Toxics Rush Turnaround Time Surcharges:

Same Day - 200%
1 Day - 100%
2 Day - 75%
3 Day - 50%
1 Week - 15%

Note: Rush TATs are calculated by business days not by time of receipt; if specific time of delivery is required this must be established with the laboratory ahead of time. Surcharges apply to analytical prices only. Call to discuss rush turnaround time availability.

By utilizing EATL sampling media, the client agrees to the terms outlined in the General Media Agreement listed below. Additionally, laboratory receipt of samples for analysis indicates SCS Engineers acceptance of the pricing, analyte list, and Reporting Limits listed in Price Quote #Q220231645R0.

General Media Agreement

This agreement is between Eurofins Air Toxics, LLC (EATL) located at 180 Blue Ravine Road, Suite B, Folsom, CA 95630 and the "Client" located at 3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806-6816. To support the Client's air sampling project, EATL provides the media necessary for sample collection, shipped FOB origin. Air sampling media may include evacuated canisters, flow controllers, and vacuum gauges.

Media should be returned to the laboratory within 15 days of receipt. Evacuated canisters have a finite timeframe before the canisters naturally lose vacuum during storage. Using canisters beyond 15 days increases the risk of having unacceptable initial vacuum at the start of sampling. This risk increases the longer the canisters are in the field. EATL does not guarantee canister vacuum after 30 days.

Failure to return media within 21 days of receipt will result in a $50/week charge for extended use. Failure to return media within 45 days of receipt will result in invoicing of the replacement cost of outstanding media to the customer's project. Additionally, the Client is responsible for returning equipment in substantially the same condition as when received from EATL. Damaged or unreturned media will be charged to the customer as outlined in the table below. Please contact EATL for items not listed in the table.

Table I

Media	Replacement Value
1-Liter canister	$750
6-Liter canister	$750
Mass flow controller (e.g. 24-hr)	$750
Blue body flow controller	$250
Vacuum gauge	$50
Electronic Flow Sensor	$1500
Filter	$50
PUF/XAD Cartridge	$55
TO-17 tube	$70
Soil Gas Manifold	$300
Helium Detector	$1200
Helium Cylinder	$400

EATL will provide the customer with media in good working condition. If Client does not provide timely notice of defective media upon delivery, it will be presumed that the media was received in good working condition and will be invoiced according to the quoted price. The Client should direct all information regarding defective media to their Project Manager. All other Eurofins Air Toxics, LLC standard terms and conditions apply unless otherwise specified herein.

4 EXHIBIT D: RESPONSIBILITY

a) **Have you ever defaulted on a contract? If yes, where and why?** SCS has not been terminated for default.

b) **Has your firm ever been suspended or debarred by any government agency? If yes, please explain. Include where, when, what agencies, and the ultimate resolution.** No.

c) **In the last five (5) years has any claim against your company concerning your company's work on a project been filed in court or arbitration?** Yes (See Memorandum below.).

CONFIDENTIAL

MEMORANDUM

TO: County of Yolo, CA

FROM: Stearns, Conrad and Schmidt, Consulting Engineers, Inc.

DATE: February 9, 2022

SUBJECT: Five-Year Disclosure – Request for Proposal (RFP) for Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation at the Yolo County Central Landfill

SCS has been in business for over 51 years. We have offices throughout the United States and other parts of the World. SCS stands behind its work. Occasionally, an organization with our scope and size has been involved in litigation. None of the matters has been or are material to our operations or limit in any way our ability to perform the work proposed.

1) Lawsuit Name:	ISM Industries, Inc. v. Stearns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Energy, Mitchell Energy Services, LLC and Kilgore Industrial Civil, LLC
Case Number:	A180382-C
Date of Lawsuit:	October 1, 2018
County/State Files:	District Court of 128th Judicial District, Orange County, TX
Parties Involved:	ISM Industries, Inc., SCS Energy, Mitchell Energy Services, LLC and Kilgore Industrial Civil, LLC
Claim:	Breach of Contract
Status:	Settled October 2019
2) Lawsuit Name:	Stearns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Engineers v. Rockview Dairies, Inc.
Case Number:	VC066932
Date of Lawsuit:	February 16, 2018
County/State Files:	Superior Court of the State of California for the County of Los Angeles
Parties Involved:	SCS Engineers, Rockview Dairies, Inc.
Claim:	Collection Action; counterclaim by defendant
Status:	Settled September 2021
3) Lawsuit Name:	Yvette Styles et al v. City of Miami, SCS Engineers
Case Number:	2017-022967-CA-01
Date of Lawsuit:	September 27, 2017
County/State Files:	In the Circuit Court of the Eleventh Judicial Circuit in and for Miami Dade County, FL
Parties Involved:	Yvette Styles, City of Miami, SCS Engineers
Claim:	Suit against the City for health effects of an incinerator closed in 1970, (before SCS was started), and against SCS for unspecified negligence as a result of services provided to the City decades later.

Status:	Pending
4) Lawsuit Name:	Zigler, Inc., Ward Zigler, and Patricia Zigler v. Southern States Cooperative, Inc., Stearns, Conrad and Schmidt, Consulting Engineers, Inc. dba SCS Engineers, Antietam Claim Service, LLC and Roger Greenfield
Case Number:	16-C-247
Date of Lawsuit:	January 12, 2017
County/State Files:	In the Circuit Court of Jefferson County, WV
Parties Involved:	Zigler, Inc. Ward Zigler, Patricia Zigler, Southern States Cooperative, Inc. and SCS Engineers
Claim:	Damage to property due to exposure to odors and ozone
Status:	Settled August 2018
5) Lawsuit Name:	Androscoggin Valley Regional Refuse Disposal District v. R. H. White Construction Co., Third-Party v. Sanborn, Head & Associates, CDR Maguire Inc., Electrical Installations, Inc., Ell, Fuss & O'Neill, Inc., PSB Industries, Inc., Unison Solutions, Inc., CMA Engineers, Inc., Atlas Copco North America, LLC as successor to Houston Service Industries, Inc. and SCS Engineers
Case Number:	115CV00434
Date of Lawsuit:	November 6, 2015
County/State Filed:	U.S. District Court for the District of New Hampshire
Parties Involved:	Androscoggin Valley Regional Refuse Disposal District, R. H. White Construction Co., Sanborn, Head & Associates, CDR Maguire Inc., Electrical Installations, Inc., Ell, Fuss & O'Neill, Inc., PSB Industries, Inc., Unison Solutions, Inc., CMA Engineers, Inc., Atlas Copco North America, LLC as successor to Houston Service Industries, Inc. and SCS Engineers
Claim:	Breach of Contract claim by AVRRDD and counterclaim by defendant against AVRRDD and all engineers involved in project.
Status:	Settled February 2018

5 EXHIBIT E: REFERENCES

This section highlights our references and project profiles that require similar services to the County of Yolo which were provided within the past five (5) years.

SCS is proud of its reputation for providing quality service to our clients. A listing of client references that are knowledgeable of the quality, timeliness, and cost-effectiveness of SCS's work is provided below. We encourage you to reach out to our references on the following pages to discuss our capabilities and their results.

Table 6. Representative Client References

SCS Client	Description of Work Performed	Period Work Completed	SCS Client Contact
County of Placer	Perform Closed site operations, monitoring, and maintenance of the LFG collection and leachate extraction systems, including approximately seven LFG extraction wells/probes, above-grade header systems and three flare stations. Perform surface emissions monitoring, engineering and other air compliance, & regulatory support	1996 to Present	**Mr. Brandon Thurber** Civil Engineer 530-886-4941 bthurber@placer.ca.gov
City of Berkeley	Provide comprehensive post-closure monitoring and maintenance services at the 90-acre City of Berkeley Landfill. The formally closed site was developed as a park and is a model resource to the community. Monitoring services include design and installation of leachate wells, and evaluation of leachate	1991 to Present	**Ms. Samantha Kinsley** Environmental Compliance Specialist 510-981-6337 skinstrey@cityofberkeley.info

	treatability options; sampling and analyses of groundwater and leachate in the interior and at the margins of the landfill; LFG extraction/flare system OM&M, and LFG perimeter probe monitoring; preparation of reports for regulatory agency review; engineering support and preparation of plans and specifications for drainage and cover improvements. In 2000, the Solid Waste Association of North America (SWANA) recognized this closed landfill with a Gold Award for innovations in LFG control.		
Western Placer Waste Management Authority	Perform active site operations, monitoring and maintenance of the LFG collection, leachate systems, including approximately 150 LFG extraction wells/probes; above/below-grade header systems and one flare station; and on-site LFGTE facility. Perform surface emissions monitoring. Provide engineering and air compliance regulatory reporting support services.	1996 to 2011 & 2018 to Present	**Mr. Keith Schmidt** Senior Civil Engineer 916-645-5180 kschmidt@placer.ca.gov
Salinas Valley Solid Waste Authority	Perform active and closed site operations, monitoring and maintenance of the LFG	1997 to Present	**Mr. Cesar Zuniga** Operations Manager 831-775-3020 cesarz@svswa.org

	collection, leachate, and ground-water extraction and treatment systems, including approximately 200 LFG extraction wells/probes, above/below-grade header systems, and three flare stations. Perform SEM monitoring, engineering, and provide support.		
Merced County Regional Waste Management Authority	Perform active site operations, monitoring, and maintenance of the LFG collection system, including 95 wells/ probes; below/above grade header system; and one flare station. Perform landfill surface emissions monitoring. Provide engineering and air compliance and regulatory reporting support services.	1998 to Present	**Mr. Patrick Womble** Landfill Project Manager 209-723-4481, ext. 225 pwomble@mcrwma.org

REPRESENTATIVE PROJECT PROFILES

The project profiles below represent SCS's experience in landfill gas systems; design, construction quality assurance, monitoring, maintenance and operation at various northern California landfills. As a full-service solid waste consulting and engineering company, a majority of our projects are multi-faceted and require expertise in a number of disciplines.

Client Profile 1

OPERATIONS, MONITORING, AND MAINTENANCE SERVICES, SALINAS VALLEY SOLID WASTE AUTHORITY

Multiple Landfills, Monterey County, California

SCS constructed, operated, monitored, and maintained this Leachate Control System at the Crazy Horse Canyon Landfill.

Background

SCS is providing Landfill Gas (LFG) and Leachate Control System OM&M services for the Salinas Valley Solid Waste Authority (SVSWA) at their closed Crazy Horse Canyon, Jolon Road, and Lewis Road Landfills, as well as their open Title V Johnson Canyon Landfill.

Outcomes and Benefits

Services have included:

- Routine and non-routine operations services include monthly adjustments to LFG extraction wells (over 200) and access test ports on the collection systems, weekly BFS maintenance (three flaring systems), and operation of the liquid handling systems (over 25 condensate sumps). A comprehensive review of all alarm signals and system controls is performed monthly.
- Air quality/greenhouse gas/LMR, permitting, source testing and compliance.
- Preparation of monthly LFG and leachate control systems OM&M report for regulatory review.
- Interior building monitoring for the presence of LFG in on-site structures (i.e., blower building, engine room, etc.).
- Quarterly building sensor calibration of four (4) Sierra Monitor sensors (to make sure the sensors are operating within manufacturers' specifications).
- Quarterly instantaneous and integrated surface emissions monitoring (SEM) and reporting in accordance with LMR requirements. SCS FS performs the monitoring on a 100-foot pathway.
- Quarterly leak monitoring in accordance with LMR and NSPS requirements.
- Regulatory agency liaison with Monterey Bay Unified Air Pollution Control District.
- Perimeter compliance probe and on-site structure monitoring for Title 27 compliance.
- Routine monitoring and maintenance of both gravity and active pumping systems for leachate collection.

- Operation of leachate re-injection systems and transfer pumps, including maintaining the on-site storage tanks and level controls, and providing non-routine operations services, such as pump repairs, pipeline cleaning, and sump installations.
- LFG flare station design.
- GCCS installation.
- Construction quality assurance (CQA) services.
- LFG extraction well installations.
- TO-15 testing in LFG monitoring probe and groundwater well headspaces.

Contract Information

Primary Client Contact:	Project Terms:	SCS Team:
Cesar Zuniga Operations Manager Salinas Valley Solid Waste Authority P.O. Box 2159 Salinas, CA 93901 831-775-3020 cesarz@svswa.org	1998 – Present Budget: $500,000 per year	Pat Sullivan Tony Svorinich Mike Calmes Gabrielle Stephens Wendell Minshew Sean Bass Whitney Stackhouse Jeff Ramos Dave Pires

Client Profile 2

LANDFILL CLOSURE ENGINEERING, OM&M AND CONSTRUCTION QUALITY ASSURANCE SERVICES, COUNTY OF MERCED

Highway 59 Landfill, Merced, California

Background

SCS was retained to provide OM&M, engineering and construction quality assurance (CQA) services related to final closure of the Phase 1 through 4 areas at the 89-acre Highway 59 Landfill in Merced, CA.

Pictured above is an aerial view of the Highway 59 Landfill in Merced.

Challenges

As Engineer of Record, SCS's services have included:

- Performing evaluation of on-site soils to verify the physical properties are appropriate for use in a monolithic cover system. This work entailed soil sampling, laboratory analysis, engineering analyses, preparation of a design report, and performance of a demonstration analysis for submittal to the Regional Water Quality Control Board (RWQCB).

- Preparing design plans, specifications, and cost estimates for the final closure system, suitable for regulatory approval and construction bids. Major features of the design included final cover and drainage systems.

- Preparing a CQA Plan to guide closure activities.

- Preparing an engineer's cost estimate for closure construction costs.

- Evaluating a monolithic soil cover.

- Obtaining all agency approvals for closure via liaison with the RWQCB, CalRecycle, San Joaquin Valley Air Pollution Control District, and Merced County Environmental Agency.

- Preparing plans and specifications for a comprehensive landfill gas (LFG) collection and control system to include gas extraction wells, new ground flare and blower/flare station, and condensate collection system.

- Providing operations, monitoring, and maintenance (OM&M) services, including air quality permitting and compliance.

- Conducting hydrogeologic investigations and evaluating the impacts of LFG on groundwater.

Outcomes and Benefits

- Due to SCS's deep landfill closure experience, the County's project objectives were accomplished without major setbacks or problems.

- SCS's extensive knowledge of landfill closure permitting and engineering, coupled with a proactive approach to anticipating and tackling challenges, kept the project on schedule.

- The County's preferred monolithic soil cover was accepted by regulatory agencies, in lieu of a prescriptive cover system, in large part due to SCS's diligent evaluation of appropriateness and durability.

- The County continues to value SCS's full-service post-closure regulatory compliance support services.

Contract Information

Primary Client Contact:	Project Terms:	SCS Team:
Patrick Womble Landfill Project Manager County of Merced Department of Public Works 715 Martin Luther King, Jr. Blvd. Merced, CA 95340 209-723-4481, ext. 225 pwomble@mcrwma.org	2007 – Ongoing Budget: Approx. $500,000/year	Pat Sullivan, Principal in Charge & Client Manager Tony Svorinich Mike Calmes Gabrielle Stephens Anne Liu Melissa St John Whitney Stackhouse Sean Bass Jeff Ramos Dave Pires

Client Profile 3

LANDFILL ENGINEERING, GROUNDWATER, STORMWATER, AND OM&M SERVICES, COUNTY OF PLACER

Five County Landfills, Placer County, California

Background

SCS has performed a wide range of landfill engineering, groundwater monitoring and reporting, solid waste planning, organics recycling, remediation, odor, and operation, monitoring, and maintenance (OM&M) services for the County since 1997. We hold many contracts with the County, most of which have been renewed or extended multiple times. Services have been performed at all five County landfills (four of which are closed): Eastern Regional, Foresthill, Loomis, and Meadow Vista and active site Western Regional Landfill.

Pictured above is the Meadow Vista Landfill.

Challenge

Most recently, Placer County Department of Public Works and Facilities has contracted with SCS for the following services:

- Placer County Department of Public Works and Facility Services extended SCS's contract for OM&M services for another year at the four closed landfill sites.
- Placer County Department of Public Works and Facility Services extended SCS's contract for groundwater monitoring and reporting for another year at the four closed landfill sites.
- In October 2017, SCS was hired to perform a detailed evaluation of the landfill gas collection and control system (GCCS) at the Meadow Vista and Loomis Landfills.

SCS has also performed the following services:

- Designed a final cover expansion for Eastern Regional Sanitary Landfill that included asphalt removal and replacement for a parking area at the landfill maintenance building to provide storm water drainage and runoff, including a centrifugal storm water separator on the discharge pipe.

- Regular quarterly or semiannual landfill gas, vadose zone volatile organic compound testing, groundwater, lysimeter, surface water, and leachate monitoring at all five landfills (four closed, one active). The number of groundwater monitoring points ranges from 4 to 25. Landfill monitoring is overseen by staff of the Central Valley and Lahontan RWQCBs. Regular periodic reporting to the appropriate RWQCB is provided quarterly, semiannually, and annually.

- Additional groundwater monitoring, statistical analysis, network evaluations, and well maintenance and construction services, as-needed.

- Landfill engineering, construction quality assurance (CQA), air quality, greenhouse gas (GHG), permitting, source testing, surface emissions monitoring, leak monitoring, compliance, and Air Quality Management District (AQMD) liaison services, as needed.

- Routine and non-routine GCCS OM&M services, including evaluations of the LFG systems at all five landfills.

- Landfill operations at the Western Regional Sanitary Landfill were observed and certified by SCS on a quarterly basis for many years.

Outcomes/Benefits

- SCS helped the County restore an effective drainage and run-off control system at Eastern Regional Sanitary Landfill, reducing the County's environmental risk exposure.

- In large part due to SCS's help, the County maintains compliance with all groundwater and leachate monitoring and reporting requirements.

- SCS's observation of a change in VOC concentrations in groundwater samples led to adjustments in LFG extraction rates and operation time, which ultimately reduced the VOCs in subsequent groundwater samples. SCS and the County are in the process of determining if adjustments to the LFG system on a continued basis will be helpful to promote further mitigation of potential LFG impacts to groundwater at one or more of the County facilities.

- SCS has assisted the County in complying with new composting and stormwater Industrial General Permit regulations, including preparation of ERA Level II plans and technical reports.

- SCS works closely and collaboratively with the County to complete several types of landfill/composting site observations in order to complete project work in the most cost-

effective manner. Some observations are completed by County staff and communicated to SCS for reporting, while other observations are completed by SCS staff.

- SCS helped the County understand and evaluate various options for pressure transducer installation in landfill leachate sumps and lysimeters, including data transmission options from field sensors to County computers.

All work has been completed on time and within budget.

Contract Information

Primary Client Contact:	Project Terms:	SCS Team:
Keith Schmidt Senior Civil Engineer 916-645-5180 kschmidt@placer.ca.gov Brandon Thurber Senior Civil Engineer County of Placer Department of Public Works & Facilities 11476 C Avenue Auburn, CA 95603 530-886-4941 bthurber@placer.ca.us	1997 – Ongoing Budget: $1.750,000/year (all contracts)	Mike Calmes, Pat Sullivan Tony Svorinich Maura Dougherty Wendell Minshew Whitney Stackhouse Sean Bass Jeff Ramos Dave Pires

Client Profile 4

LANDFILL OPERATIONS, MONITORING, AND MAINTENANCE SERVICES, CITY PALO ALTO

Palo Alto Landfill, Palo Alto, California

Background

SCS FS is providing Landfill (LF) Operations, Monitoring & Maintenance (OM&M) services for the closed City of Palo Alto Landfill in Palo Alto, CA.

SCS provides OM&M services for the closed Palo Alto Landfill in Palo Alto, California.

Outcomes and Benefits

To achieve compliance, SCS FS has performed the following tasks:

- Routine and non-routine operations services include monthly adjustments to LFG extraction wells (114 wells) and access test ports on the collection system, and weekly blower flare station (BFS) maintenance, as needed. SCS FS also checks operation of the liquid handling system, consisting of twelve (12) condensate and twenty (20) leachate sump pumps, for

proper operation. A comprehensive review of all alarm signals and system controls is performed monthly.

- Air quality/greenhouse gas/LMR, permitting, source testing and compliance.
- Preparation of a monthly LFG system OM&M report for regulatory review.
- Interior building monitoring for the presence of LFG in on-site structures (i.e., blower building, engine room, etc.).
- Quarterly instantaneous and integrated surface emissions monitoring (SEM) and reporting in accordance with LMR requirements. SCS FS performs the monitoring on a 100-foot pathway.
- Quarterly leak monitoring in accordance with LMR requirements and BAAQMD Rule 8-34.
- Regulatory agency liaison with Bay Area AQMD, as needed.

Contract Information

Primary Client Contact:	Project Terms:	SCS Team:
Sarah Fitzgerald Environmental Specialist City of Palo Alto 3201 East Bayshore Road Palo Alto, CA 94303 650-496-6980 sarah.fitzgerald@cityofpaloalto.org	2002 – Present Budget: $250,000	Mike Calmes Pat Sullivan Tony Svorinich Gabrielle Stephens Maria Bowen Whitney Stackhouse Sean Bass Jeff Ramos Dave Pires

6 EXHIBIT F: DISCUSSION OF IMPLEMENTATION OF SCOPE OF WORK

TASK 1 - ROUTINE MONTHLY LFG SYSTEM OM&M

Proposed OM&M Methodologies and Approach for the Yolo County Central Landfill

Our team currently monitors and operates the LFG collection and control systems at multiple landfills in Northern California including the Yolo County Central landfill (YCCL). Several of these projects are similar and equal in size and scope to the YCCL. It is this experience at similar large projects that uniquely qualifies us to provide the services outlined in the County RFP. We have a thorough understanding and site-specific experience with the scope of work for the YCCL as well as the benchmarks that have been set. Outlined below please find our methodologies and approach in key areas that will make the YCCL a successful project. Our pricing structure and services, personnel and

equipment, are based on our experience at other similar sites where LFG and liquid management is key to successful projects for regulatory compliance and LFG recovery and utilization needs. We understand that in order to maintain compliance a proactive approach is paramount.

Safety

We are familiar with operating LFG collection systems, and we know the safety measures that must be taken to properly work with elevated gas and liquid temperatures, gas compositions and pressures, and the impact that gas and liquids can have on conveyance infrastructure. Our approach to safety includes an assessment of each task that we perform and the development of a Job Task Safety Analysis (JTSA) for specific scopes or work. The JTSAs outline the steps that are taken to complete a task, the hazards associated with each step within the task, the critical actions that should be taken to work safely for each step and the proper PPE that should be worn/used. We have JTSAs in place that address typical OM&M tasks that allow us to work safely on landfills. On projects of this size and scope, we will create specific JTSAs to accommodate tasks that are unique to the operations and infrastructure at the YCCL. Safety is paramount for us on all projects and is vital to the successful operation of an LFG collection and control system.

Project Management

On larger projects of this nature communication is key. Second only to safety, communication is what will determine if these are successful projects. To help facilitate and maintain effective project communication, we propose to have site specific experienced managers and superintendents dedicated to the YCCL project. These personnel have a proven track record and experience working with LFG and liquids collections systems and are looking forward to the unique challenges presented at the YCCL. These personnel will be your primary points of contact and will be in communication with County personnel on a frequent basis to keep the project moving forward at an optimum level. They will be supported by Regional Manager and Data Analyst personnel, both of whom have direct YCCL project experience as well as our national group of experts. The structure of the on-site staff will include lead technicians and support technicians. We will designate lead technicians in each of the following areas: Wellfield monitoring and operations, Liquids Management and Maintenance and Repair. This structured support system will allow for a targeted approach to managing each phase of operations monitoring and maintenance, and optimization of service provided to the County.

Wellfield Operations

The proper operation of the LFG collection system at the YCCL site can be challenging. Elevated gas temperatures present numerous concerns in regard to gas composition, temperature and pressure. We will designate lead wellfield operations technicians to provide oversight so that the wellfield is monitored and operated in a safe and efficient manner. The lead wellfield technicians will work with our site superintendents to focus on maximizing LFG flow (to the on-site flare and/or LFGTE facilities) while maintaining compliance and limiting the possibility for sub-surface oxidation. The lead LFG technicians will be directly responsible for wellfield tuning, condensate sump monitoring, wellfield inspections and flare station monitoring during our monthly site visits. We expect these lead technicians to be intimately involved in the day-to-day operations of the LFG collection system. This will require them to be familiar with the current status of the wellfield, including current compliance status, higher operating values, alternate timelines and the plans to maintain wells to optimal operation. The proper operation of the LFG collection system is crucial to maintaining regulatory compliance, reducing odors and maximizing flow to the YCCL flare and on-site LFGTE facility.

Innovation

We pride ourselves at being at the forefront of industry innovation. Whether it be the use of a sophisticated database like SCSeTools® to easily review data or the installation of remote monitoring systems, we are continuously looking for new and innovative ways to approach our work. We intend to work with the County to identify and implement best management practices and identify areas of operational improvement. We intend to approach the YCCL project with an eye for efficiency and value while looking to offer creative solutions to challenging issues. Innovation is key to the efficient operation of LFG collection systems as we have shown at other sites throughout the Northern California and the Country.

Wellhead Monitoring Approach

Our monitoring technicians complete monitoring of a well in good physical condition and typical landfill gas composition for a given site in an average of 3 to 5 minutes. The procedure may take 5 minutes if a well needs adjustments, and 10 minutes or more for wells needing basic maintenance or repairs such as tightening of hose clamps, replacement of sample ports, and sealing of air leaks. Stated monitoring time estimates include performance of the specific monitoring procedures summarized below:

- Initiate well monitoring and maintenance by meter calibration and confirm prime mover(s) and conveyance system functionality. Once normal GCCS operation is confirmed, well monitoring is typically completed from the furthest collector in a branch of the collection system back towards the prime mover. Sufficient team resources are deployed so that the entire monitoring and maintenance event is completed expeditiously. Our monitoring and maintenance team members are fully equipped to complete both monitoring and general maintenance in a single event.

- Upon arrival at each monitoring well, the borehole area is evaluated visually and audibly for settlement, cracks, air intrusion into the collection system, compressed air leaks, and steam from a distance. After safe approach has been confirmed, the technician nears the well. Well fittings, valves, and hoses are hand checked for air leaks, integrity, tension, and liquid accumulation. Identified maintenance items affecting gas quality (e.g., loose and cracked fittings) are resolved before monitoring. Other maintenance items that could affect gas quality (e.g., cover cracks and erosion) are noted in the technician's field log, promptly communicated to site operations personnel, and resolved following completion of the well monitoring and tuning event.

- If the well contains a liquid removal pump, the condition of the above-grade components is evaluated, and needed maintenance is completed (e.g., tightening of hoses and bump-start pump). Pressure and count cycles are documented.

- To add efficiency, gas monitoring meters are air purged while approaching each well, to save time in confirming that meter sensors have reached ambient gas and pressure values. When ready to monitor, the meter's hoses are connected to the impact/sample, differential, and system pressure ports. A leak- and pinch-free connection is confirmed. Initial sampling is commenced following the minimum 60-second purge time. Additional sample time is required if monitoring values were not stable within 30 seconds. Initial gas reading values are stored before advancing to pressure and temperature monitoring.

As needed, hoses are removed to zero-pressure transducers and reconnected prior to storing the initial pressures (static and differential). Initial values are compared to the established well gas quality objectives and historical values. Technicians complete adjustments as required, and store the reading in accordance with site tuning procedure. The system pressure is then recorded. A follow-up initial and adjusted reading is completed after every adjustment, until no further adjustments are warranted.

If parameters within the initial and adjusted data appears to be out of range (i.e., deemed unacceptable), the meter is recalibrated before re-monitoring the well. A comment is added to describe anomalies. Some examples of unacceptable data include:

- Methane concentrations greater than 70 percent.
- Oxygen concentrations greater than 21 percent.
- Balance gas greater than 81 percent.
- Gas concentrations totaling more than 100 percent.
- Balance gas-to-oxygen ratios of less than 4:1.
- Out-of-range measurements that result in chevrons displayed on the meter.

If surging is heard or observed during monitoring, a surging comment will be assigned to the associated well reading. For differential pressure measurements, technicians are aware that negative differential pressure measurements and/or chevrons are indications of a method error, and are trained to troubleshoot their meters and the wellhead flow components by:

- Checking the meter to eliminate hose kinks, and confirming that hoses are securely attached to the correct sample ports.

- Checking hoses and meters filters for liquid buildup or interference.

- Zeroing the pressure transducers.

- If necessary, pulling and cleaning the Pitot tube or orifice plate.

- If needed, switching to a backup meter and sending the questionable meter in for manufacturer evaluation.

If out-of-range differential pressure is measured, an orifice plate diameter change or wellhead size change will be completed once the round of monitoring is done. Technicians know to change flow measurement device sizing in their meters as well, so the new differential pressure measurement will calculate to a proper flow rate. A comment is also entered in the meter to note the change in flow device size for the given well ID.

Entering other comments into the meter will be achieved by selecting items from a pulldown list within the meter. The comments will include information related to wellhead valve adjustments and/or valve position, as well as operational comments, including observations or notes concerning wellhead maintenance performed or needed. Maintenance or observations are entered into the technician's field book to assist in future troubleshooting or to become part of a punch list for future maintenance.

Once the reading is stored, the technician will recognize if the well has an NSPS or other regulatory compliance exceedance, and/or a wellhead tuning adjustment is required to draw additional flowing landfill gas or reduce an over-pull situation. At this point, the technician will review the well's recent historical data to make a more informed tuning decision. If wellhead valve adjustment is made to address the issues mentioned, a full second set of readings will be collected following the wellhead valve adjustment. For an NSPS site, this will be considered the 5-day corrective action and recheck. Wellhead vacuum and/or flow adjustments will be conservative and limited to a 10 percent increase or decrease from the initial reading.

A few exceptions that may require more aggressive adjustment strategies include:

- Wells in the vicinity of a sub-surface oxidation (SSO) or suspected SSO (only after first discussing with the client and project team).

- Wells with elevated oxygen greater than 5 percent (only after first troubleshooting the wellhead for an air leak and attempting to repair the leak).

- Wells with elevated balance gas greater than 10 percent (after confirming that the balance gas is not associated with a direct, easily repairable air leak). Checking the 4:1 balance gas-to-oxygen ratio, if the elevated balance gas is due to an air leak, attempts should be made to repair and eliminate the air leak. If there is less than 1 percent oxygen with a high concentration of balance gas (greater than 8 percent), this likely has resulted from over-pull and the wellhead vacuum should be reduced. The higher the observed balance gas value, the greater the amount of oxygen that has been allowed into the landfill. Because the oxygen is consumed, it may no longer be present and will most likely not show up in the wellhead gas concentration measurements.

After performing an initial corrective action, the technician will re-monitor the well and document the corrective actions taken. Wells with NSPS exceedances that could not be corrected by the strategies employed as part of the 5-day corrective actions will need to be re-monitored within 15 days of the initial exceedance. If the wellhead exceedance cannot be corrected within 15 days, SCS will work with the County to gather information to support an HOV request or alternative timelines for bringing the well into compliance while it is on the 120-day exceedance clock.

Once a round of monitoring and tuning had been completed, the technician will recalibrate the meter and re-read the blower flare station/plant inlet to note the improvements that were made to the overall gas quality and flow.

Following the end-of-day blower flare station measurements, the entire meter data file will be uploaded to the SCS data management program (SCS DataServices). As part of the data upload procedure, data will be reviewed for exceedances, missed wells, and data upload errors. If exceedances or missed wells are noted, additional monitoring will be scheduled. In addition, data upload errors are evaluated to determine if another reading is warranted or if SCSeTools Support needs to be contacted for assistance.

Based on requirements of the RFP and YCCL site-specific needs, SCS will implement the following monthly and quarterly OM&M program:

Monitoring

Monthly -Once per month, the LFGTE and flare facility inlet test ports will be monitored prior to and immediately following LFG well field monitoring and tuning events. Data will be collected, recorded, and stored in the SCS eTools® with secure internet access provided to the County for the following:

- Date, time, and monitoring personnel.
- Meteorological conditions (i.e., wind velocity, barometric pressure, ambient temperature, weather conditions, etc.).
- Methane, oxygen, carbon dioxide and balance gas concentrations.
- Total LFG flow rate.
- Temperature, pressure/vacuum.
- Selected main LFG pipeline test ports (approximately 33 current) will be monitored monthly. Data will be collected, recorded, and stored in the SCS eTools® with secure internet access provided to the County for the following:
- Date, time, and monitoring personnel.
- Meteorological conditions (i.e., wind velocity, barometric pressure, ambient temperature, weather conditions, etc.).
- Methane, oxygen, carbon dioxide and balance gas concentrations.
- Temperature, pressure/vacuum.

At a minimum, once per month, all LFG extraction wells will be monitored and adjusted as needed to help maximize total flow and target methane gas quality for the LFGTE and flare facilities. LFG extraction well adjustments will be in accordance with NSPS requirements. Data will be collected, recorded, and stored in the SCS eTools® with secure internet access provided to the County for the following:

- Date, time, and monitoring personnel.
- Meteorological conditions (i.e., wind velocity, barometric pressure, ambient temperature, weather conditions, etc.).
- Methane, oxygen, carbon dioxide and balance gas concentrations.
- Wellhead vacuum/pressure.
- Flow rates if flow capable wellheads are installed (initial and adjusted flow rates will be recorded).

- Temperature.

In addition, necessary changes to orifice plates (in wellheads that are equipped with them) will be completed by SCS and noted to the County for updating the database. SCS will complete minor adjustments to above grade LFG extraction wellheads or lateral pipelines in response to detected condensate blockages.

Monthly, as part of the monthly activity, the LFG extraction well flows will be adjusted as required to help optimize system performance. SCS understands that optimizing performance in this case means: adjusting flow to be as high as can be maintained without either lowering methane content or increasing oxygen content, while maintaining surface emissions.

Also, once per quarter, an instrument or field dreager test tubes will be used to test and record carbon monoxide (CO) at each LFG extraction well and data recorded along with other data collected.

LFG extraction condensate pump systems will be observed for the following:

- Accessibility.
- Vandalism.
- Malfunctions.
- Leaks.
- System vacuum at sump and adjacent header.
- Pump cycle counters will be recorded, if present, and utilized to calculate approximate gallons removed since previous visit.

As needed - Once per monthly monitoring period, wells requiring NSPS re-testing will be adjusted and monitored as needed within the required 5 day and 15-day timeline. Data will be collected, recorded, and stored in the SCS eTools® with secure internet access provided to the County for the following:

- Date, time, and monitoring personnel.
- Meteorological conditions.
- Methane, oxygen, carbon dioxide and balance gas concentrations.
- Wellhead vacuum/pressure.
- Flow rates if flow capable wellheads are installed (initial and adjusted flow rates will be recorded).
- Temperature.

Following each site visit, SCS field personnel will provide a verbal or email daily log summary of all activities to a designated County representative.

The County utilizes SCS eTools as a data base for all LFG monitoring data. Within 24 hours following each monitoring event, SCS personnel will upload all collected data to the SCS eTools database.

Reporting

Monthly, SCS will prepare and submit a summary report documenting all monitoring activities, site conditions and maintenance performed or recommended. Regulatory exceedances to NSPS

standards will be noted along with corrective actions take. Reports will be submitted no later than the 15th day of each reporting month.

TASK 2 - AS-NEEDED LFG SYSTEM SUPPORT

SCS will provide on-call LFG related O&M, engineering, air compliance, permitting, construction/ repair and construction quality assurance support services to the County as needed. Assignment of the support work will be made by County request for proposal (RFP) for a specific task work scope. Prior to performing work under these tasks, SCS will prepare a work proposal and an associated cost estimate in accordance with a submitted and contract approved SCS labor and equipment fee schedule for County review and approval. SCS understands that the approval will reference the agreement and that all terms and conditions of the agreement are part of the individual work proposals. As stipulated in the RFP the primary types of tasks that might requested include, but are not limited to:

A. Additional LFG system monitoring and reporting, including LFG perimeter probe monitoring, in-structure LFG monitoring of onsite buildings, landfill surface emissions scans, monitoring of LFG extraction equipment for system adjustments and analysis, analyzing gas system performance, and making recommendations.

B. Performing landfill gas migration investigation work and associated reporting tasks.

C. Minor, urgent construction of LFG piping, well heads, and appurtenances using heavy equipment and pipeline fusing equipment, as necessary, to maintain system efficiency and minimize system downtime.

D. Pneumatic and electric leachate and condensate recovery system design, operation, and monitoring.

E. Pneumatic and electric leachate and condensate recovery system maintenance, including rebuilding pneumatic condensate pumps onsite.

F. Designing and permitting upgrades of the existing LFG systems, LFG flare, and power generation systems.

G. Air quality studies, including sampling and analysis, evaluation of LFG control systems, as well as preparation of Title V Reports, Toxic Emission Inventory Plan, and Risk Assessment Screening. Assistance with preparation of applications for major permit changes or new permits related to LFG collection & control systems.

H. Installation/construction of LFG collection wells, including drilling services, well construction, and all necessary equipment, supplies, and materials. Wells will typically be replacing older LFG wells.

In addition, SCS will provide emergency on-call services to the County, which could include events that require immediate response or may involve work items which might be required at highly variable intervals. These may include, but are not limited to: emergency call-out by onsite County personnel for repair of main header line breaks (resulting in no gas flow to the Blower/Flare Station or on-site LFGTE facility), odor complaints, and loss of flare ignition. SCS has the ability, backed by

extensive experience to successfully perform these types of services for the County – using internal resources, local Northern California personnel, and long-established relationships with subcontractors. As noted in our project organization chart provided on page 44 of this proposal, we have twelve (12) O&M support technicians and another fifteen (15) construction and repair personnel located in Northern California to meet emergency or non-emergency needs at the Yolo County Central Landfill site in a timely mannor.

The following additional As-Needed Services will be performed by professional, knowledgeable, and highly skilled SCS staff, including, but not limited to, field services, construction, air compliance/permitting, and engineering. SCS strives to maintain and improve the quality of service through optimal resource management.

SCS has an experienced team of LFG and landfill engineers, as well as air and GHG permitting and compliance staff to assist the County on an as-needed basis. This Team has extensive experience in all of the engineering /consulting tasks listed under Task 2. Some of the project team has provided these services at the Yolo Central Landfill in the past, so they have site knowledge and experience.

GCCS Repair Services

SCS will provide an appropriately staffed and trained crew (1 to 4 man) to respond within a maximum of twenty-four (24) hours or less (7-days a week including weekends and holidays) of notification to commence repair of collection system or flare component that becomes damaged, broken, or otherwise inoperable, as required in order to confirm that the site will be able to maintain compliance within regulatory permit requirements. Such repair items may include, but are not limited to:

- Flare thermocouple replacements.
- Flare instrumentation (i.e., O_2 sensors, flowmeters) malfunctions troubleshooting/repairs.
- Flare or GCCS condensate tank, sumps, and/or condensate systems malfunctions troubleshooting/repairs.
- Air system malfunctions troubleshooting/repairs.
- Repair and/or replacement of piping damaged by others or normal age deterioration.

7 EXHIBIT G: EXCEPTIONS

EXHIBIT G – EXCEPTIONS

Landfill Gas Support System RFP

Exceptions to Insurance and Contract **Terms and Conditions**

All County RFP requirements by section, subsection or numbered item for which Vendor has stated "Read and do not comply" are considered exceptions and must be documented in this form. Vendor may add additional rows to the table as necessary to include all exceptions taken. If no exceptions were taken, Vendor should write "No Exceptions" under the "Requirement(s) Section Number and Text" for Exception in row number 1.

Exception Number	Requirement(s) Section Number and Text	Describe the Nature of the Exception and Explain how Vendor's Response Still Meets the RFP Requirements
1	SCS Engineers Has No Exceptions	
2		
3		
4		
5		

8 EXHIBIT H: SIGNATURE PAGE

County of Yolo
Landfill Gas System Support RFP
SIGNATURE PAGE
Exhibit "H"

Solicitation Name: Landfill Gas Systems; Design, Construction Quality Assurance, Monitoring, Maintenance and Operation at the Yolo County Central Landfill (FINARFPKK2208)

The undersigned supplier hereby certifies that he/she has read the document in its entirety, understands the specifications, agrees to all instructions, terms, conditions, and addenda set forth in this request. Supplier further certifies that the prices and terms submitted for said product(s) and/or service(s) have been carefully reviewed and are submitted as correct and final, and shall be honored for the length of time indicated in the request.

All paper submittals must be manually signed in ink in the appropriate space below. If submitting electronically via BidSync, print name of "Authorized Person" in the space provided for signature.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

Stearns, Conrad and Schmidt, Consulting Engineers, Inc., DBA SCS Engineers
Company Name

3117 Fite Circle, Suite 108
Address

Sacramento | CA | 95827
City | State | Zip

Anton Svorinich
Signature of Person Authorized to Sign

Anton Z. Svorinich Jr.
Printed Name

Vice President, Regional OM&M Manager
Title

February 23, 2022
Date

For clarification of this offer, contact:

Name: Anton (Tony) Z. Svorinich

Title: Vice President, Regional OM&M Manager

Phone: 209-702-6235 direct

Fax: 562-427-0805

Email: asvorinich@scsengineers.com

9 EXHIBIT I: NON COLLUSION NON CONFLICT OF INTEREST STATEMENT

NON COLLUSION AND NON-CONFLICT OF INTEREST STATEMENT
Landfill Gas System Support RFP
Exhibit I

I, Anton Svorinich, am the
(name)
Vice President,
Regional OM&M Manager of SCS Field Services,
(Position Title) (Company)

The term **"Offeror"**, as used herein, includes the individual or business entity submitting the Offer and for the purpose of this Affidavit includes the directors, officers, partners, managers, members, principals, owners, agents, representatives, employees, other parties in interest of the Offeror, and anyone or any entity acting for or on behalf of the Offeror, including a subcontractor in connection with this Offer.

1. **Anti-Collusion Statement.** The Offeror has not in any way directly or indirectly:
a. Colluded, conspired, or agreed with any other person, firm, corporation, offeror or potential offeror to the amount of this Offer or the terms or conditions of this Offer.
b. Paid or agreed to pay any other person, firm, corporation, offeror or potential offeror any money or anything of value in return for assistance in procuring or attempting to procure a contract or in return for establishing the prices in the attached Offer or the offer of any other offeror.

2. **Preparation of Solicitation and Contract Documents**. The Offeror has not received any compensation or a promise of compensation for participating in the preparation or development of the underlying Solicitation or Contract documents. In addition, the Offeror has not otherwise participated in the preparation or development of the underlying Solicitation or Contract documents, except to the extent of any comments or questions and responses in the solicitation process, which are available to all offerors, so as to have an unfair advantage over other offerors, provided that the Offeror may have provided relevant product or process information to a consultant in the normal course of its business.

3. Participation in Decision Making Process. The Offeror has not participated in the evaluation of offers or other decision making process for this Solicitation, and, if Offeror is awarded a contract hereunder, no individual, agent, representative, consultant, subcontractor, or subconsultant associated with Offeror, who may have been involved in the evaluation or other decision making process for this Solicitation, will have any direct or indirect financial interest in the contract, provided that the Offeror may have provided relevant product or process information to a consultant in the normal course of its business.

4, Present Knowledge. Offeror is not presently aware of any potential or actual conflicts of interest regarding this Solicitation, which either enabled Offeror to obtain an advantage over other offerors or would prevent Offeror from advancing the best interests of the County in the course of the performance of the Contract.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct:

February 23, 2022 Anton Svorinich
(Date) (Signature)

Yolo County Community Services Department
Work Proposal Form
(LFG O&M Services)

Type of Service: **Landfill Gas Operation and Maintenance**
Consultant Name:

Project Description: **Describe project**

County Contact Person	**TBD**			Contract Task Number:	**tbd**
Task No:		Work Order N	**9198**	Fund No:	194, 194-1
Completion Date:	**tbd**	Vendor No:	tbd	Account No:	501165

Estimated Labor, Equipment and Materials Cost Proposal (not including contingency)

Labor Classification	Projected Hours	Hourly Rate	Projected Costs

Equipment	Projected Hours	Hourly Rate	Projected Costs

Materials	Quantity	Unit Cost	Projected Costs

Total Hours	**0**	**TOTAL NOT TO EXCEED COST (excludes contingency)**	**$0.00**

Contingency - Estimated Labor, Equipment and Materials

Task Description	Projected Hours or quantity	Hourly Rate or Unit Cost	Projected Costs

Total Hours	**0**	**TOTAL CONTINGENCY COSTS**	**$0.00**

Total Contract Amount _____ Spent to Date $0.00

Scope:
Include work scope or attach Contractor proposal

_____ _____
Golder Associates Approval Date

_____ _____
Contract Manager Recommendation for Approval Date

_____ _____
County Approval Date
Director