

QUOTATION

TO:

CITY OF SAN LUIS, AZ

Department of Public Works

1090 E. Union St.

San Luis, AZ 85349

Attention: Jorge Perez, Assistant Director
of Public Works.

jperez@sanluisaz.gov

(928) 341-8577



TOTAL:	DATE:	QUOTE NO.:	REVISION NO.:
\$ 1,052,145.00	October 18, 2022	P2104031	1
SUBJECT:	CITY OF SAN LUIS, AZ, WELL #5 WTP		
REFERENCE:	1,200 GPM IRON AND MANGANESE REMOVAL SYS		

WE ARE PLEASED TO OFFER OUR QUOTATION ON THE FOLLOWING

ITEM	QTY	DESCRIPTION	UNIT PRICE	EXTENDED
1	1	Pureflow Filtration Division, Model Number C-2400HD, iron and manganese removal system, with the following: two (2) horizontal filter vessels, ASME code, Section VIII, Division 1; Pureflow Filtration PM200M permanent catalytic adsorptive media; support media; PVC upper and lower headers; 316L stainless steel wedge wire wrapped underdrain laterals; butterfly control valves with electric actuators; flow control valves; flow meters; fusion bonded epoxy lined face piping; chemical feed system; static mixer; backwash water reclaim system; residual solids fluidization and transfer system; backwash water supply system; filter system PLC based control panel with color OIT; chlorine residual analyzer; submittal drawings; operation and maintenance manuals (electronic); start-up and commissioning.	Taxable amount	\$ 1,010,145.00
			Nontaxable amount .. Freight, start-up, commissioning, warranty services	\$ 42,000.00
			TOTAL	\$1,052,145.00

Please see the attached Scope of Supply for a detailed description of the equipment and services included in this quotation.
Progress payment terms located on page 11 of the Scope of Supply, Section 8.0.
NOTE: Pureflow is not authorized to collect tax in Arizona.
Add 10.172% to the above taxable amount and remit to the State of Arizona.

NOTE: PRICE(S) DOES (DO) NOT INCLUDE ANY TAX UNLESS SPECIFICALLY NOTED

PROGRESS PAYMENT TERMS: see page 11, SOS
APPROX. DATE OF SHIPMENT: TBD
EST. SHIPPING WEIGHT: TBD
F.O.B.: Sun City Festival, Buckeye, AZ
Price valid for 60 days from the above date.

PUREFLOW FILTRATION DIV.

By:

Please sign and return

Accepted by:

Prices specified herein are exclusive of all taxes unless specifically noted
This proposal is subject to all terms and conditions printed on face and reverse side

PUREFLOW FILTRATION DIV. QUOTATION STANDARD TERMS AND CONDITIONS OF SALE

1. **AGREEMENT.** The terms and conditions set forth below and on the front side hereof constitute the entire Agreement between the customer named on the front side hereof ("Purchaser") and Pureflow Filtration Div., a division of California Environmental Controls, Inc. a California corporation ("Seller").
2. **TERMS OF SALE.** (a) **TAXES:** Unless specifically provided on the front side hereof, prices, specified herein on the Goods are exclusive of all local, state, and federal taxes including without limitation taxes on manufacturing, sales, receipts, gross income, occupation, use and all similar taxes, or other taxes of any nature. Whenever applicable, such taxes will be invoiced as a separate charge which Purchaser agrees to pay the Seller. (b) **TERMS OF PAYMENT:** Net cash due upon receipt of invoice, unless noted on front side of this contract, to approved credit accounts. The Purchaser agrees to pay Seller an additional charge of one and one-half percent (1 and 1/2%) per month (or such lesser amount equal to the maximum rate permitted by law) on any invoices not paid according to these items. (c) **SECURITY INTEREST:** Until payment in full of the purchase price therein specified, Seller reserves a security interest in the goods securing payment of such purchase price. (d) **DELIVERY:** Prices quoted are FOB point of origin of shipments unless shipping is specifically included in price offered on front page. Prices include domestic packing for rail or commercial shipments only. Shipment and delivery dates are estimates based upon schedules of Seller's suppliers and are computed from the time of settlement of all details and receipt of full approval of drawings where drawing approval is required. (e) **INSTALLATION / FIELD SUPERVISION:** Unless specifically provided on the front side hereof, no installation, field supervision or start-up instruction by Seller is included in the terms and conditions of this Agreement.
3. **ENTIRE AGREEMENT.** This Agreement supersedes all previous representations, statements, promises, agreements or understandings, written or otherwise. This Agreement is intended by the parties as a final expression of their understanding and no casual or prior dealings shall be relevant to explain any of the terms or conditions hereof. The Seller shall not be bound by any agent's or employee's representations, promises, statements or inducements not set forth in the Agreement. If any inconsistency exists between any typed or handwritten materials on the front hereof and these Standard Terms and Conditions, the former shall be controlling.
4. **ACCEPTANCE.** This contract is an offer upon the terms and conditions herein specified. Acceptance by the Purchaser may be affected by signing a copy of this contract where specified and returning same to the Seller, or by the Purchaser issuing a purchase order and delivering same to the Seller, which shall constitute Purchaser's acceptance of this contract and all of the terms and conditions herein specified. Acceptance of this offer is limited to its terms. Acceptance or confirmation which state additional or different terms from this offer shall be operative as acceptances; provided, however, that all such additional or different terms shall be deemed material alterations within the meaning of Section 2207 (2) (b) of the California Commercial Code and notice of objection to them pursuant to Section 2207 (2) (c) of the California Commercial Code is hereby given.
5. **CANCELLATION.** Orders may be cancelled by the Purchaser only with Seller's written consent and upon payment of reasonable and proper cancellation charges, including factory costs and expenses.
6. **INSPECTION.** Purchaser agrees to inspect the goods, supplies, merchandise and material covered hereby ("Goods") immediately upon their receipt by Purchaser, secure a written acknowledgement from the delivering carrier as to any loss or damage and within three (3) business days of their receipt and to give written notice to the Seller of any claim that the Goods do not conform with the terms of the Agreement. Failure to make such a claim within the stated period shall constitute an irrevocable acceptance of the Goods and an admission that they fully comply with all of the terms and conditions of the Agreement. Purchaser expressly waives any right it may have to revoke acceptance after such three (3) day period.
7. **DELAYS.** Seller shall not be liable for any delays or failures in making shipments or deliveries caused by any contingency beyond Seller's control, or the control of Seller's suppliers or manufacturers, (including without limitation, failures or delays brought about by, caused by or in any manner arising from) (i) labor conditions including strikes and shortages of labor, (ii) shortages of fuel, power, material or supplies, (iii) transportation delays, (iv) acts of God, fires, floods or weather problems, (v) damage to, or destruction in whole or in part of Goods, vehicles or manufacturing plants, (vi) accidents, or (vii) riots, government interference, embargos, regulation, war, insurrection or terrorist acts. The non-occurrence of the above contingencies with respect to Seller, its suppliers and manufacturers is a basic assumption of this Agreement.
8. **DELAY IN INSTRUCTIONS.** Purchaser agrees to furnish complete shipping instructions in such a manner as to reach the Seller at its main office ten (10) days before the date for any shipment specified herein. Purchaser's failure to furnish complete shipping instructions shall, without notice, automatically extend the shipping date from day to day until the Purchaser furnishes complete shipping instructions, or until the Seller exercises its right to terminate the Agreement.
9. **RISK OF LOSS.** Unless Purchaser and Seller specifically agree in writing to modify the terms of Paragraph 2. (d), above, all risk or loss shall pass to the Purchaser when the Goods are delivered by Seller to the carrier. In the event that Purchaser and Seller agree in writing that the Goods are sold FOB destination, Seller's responsibility for loss or damage terminates upon tender of delivery to Purchaser by the carrier and the written acknowledgement and claims procedure provided for in Paragraph 5, above, shall be a precondition to any claim by Purchaser for loss of damage in transit.
10. **RETURNS.** In no case are any Goods to be returned to Seller without first obtaining the written permission of Seller, which permission Seller may refuse to give at Seller's sole discretion. Only standard unused Goods as currently manufactured or inventoried by Seller which have been invoiced to Purchaser within the previous ninety (90) days will be considered by Seller for return. Special items manufactured to order may not be returned under any circumstances. Goods which Seller accepts for return and credit will, in any event, be subject to a minimum handling and service charge of 25% plus all transportation charges. All returned Goods, if Seller accepts the return thereof, must in any case be securely packaged and shipped, freight prepaid, and the risk of loss shall remain with Purchaser until the Seller actually receives the Goods.
11. **DEFAULTS.** In the event Purchaser fails to comply with any of the terms of the Agreement or becomes bankrupt or insolvent or Purchaser's financial condition becomes impaired or unsatisfactory to the Seller, Seller may do any or all of the following: (a) Terminate the Agreement upon written notice thereof to Purchaser without prejudice to Seller's rights to receive any amount then due under the Agreement; (b) Withhold all further deliveries under the Agreement; (c) Require that Purchaser pay for all future shipments in advance or provide other satisfactory security or guarantees to Seller that all existing and future invoices will be paid on or before their due dates; (d) Make partial shipments only to the Purchaser, which Purchaser agrees to accept; (e) Recall any Goods then in transit and retake the same and repossess all Goods which may be stored with Seller in which case Purchaser consents that all Goods so recalled, retaken or repossessed shall become the absolute property of Seller, provided that Purchaser is given full credit therefor; (f) Upon written notice to Purchaser revise the stated credit terms, if any, contained in this Agreement; (g) Without limitation, exercise any rights or remedies available to Seller under the Uniform Commercial Code as in force and effect on the date of the Agreement; or (h) Without limitation, exercise any other rights or remedies available to Seller under any applicable federal, state or local law.
12. **ATTORNEY'S FEES.** In the event of a default by Purchaser of any of the terms or conditions of the Agreement, Purchaser agrees to pay all costs of collection and enforcement incurred by Seller including, without limitation, Seller's reasonable attorney's fees and court costs.
13. **RETENTION LIMITATION.** Retention, if any is accepted by Pureflow Ozone Div., shall be limited to a maximum of ten percent (10%) of the contract price. All monies retained shall be paid, in full, upon successful "start-up" of the equipment supplied, or ninety (90) days after shipment of said goods, whichever date first occurs. The payment of monies retained under the terms of this paragraph is not conditioned upon any factors, issues, events or contingencies which are not specifically delineated in this contract. The right of Pureflow Ozone Div. to payment is NOT subject to any payment provisions enforced upon Purchaser by the terms of any other contract with either Pureflow or a third party.
14. **CONSEQUENTIAL / LIQUIDATED DAMAGES.** The Purchaser agrees that notwithstanding the form in which any legal or equitable action, proceeding or position may be brought or asserted by Purchaser against Seller including without limitation claims based upon actual or alleged delays or breaches of warranty, that Seller's liability, if any, arising out of or in any way related to this Agreement, shall be limited to actual money damages in an amount not to exceed the total amount actually paid for the Goods by Purchaser. Purchaser further agrees that Seller shall not, in any event, be liable for indirect, special, consequential or liquidated damages or penalties, whether based upon contract, warranty, tort, or negligence.
15. **PROPRIETARY MATERIAL.** All drawings, patterns, specifications, and information included in the contract, and all information otherwise supplied by Pureflow Ozone Div. relating to the design, erection, operation, and maintenance of the goods, including filter media and all treatment processes, is the proprietary and / or confidential material or information of Pureflow Ozone Div. Purchaser shall not disclose such material or information to others or allow others to use such material or information without express written permission from an officer of Pureflow Ozone Div.
16. **GOVERNING LAW / CONSENT TO JURISDICTION.** (a) The terms and conditions set forth herein shall be construed under and in accordance with the laws of the State of California. The parties hereto consent to the jurisdiction and venue of any court of general jurisdiction in the Southeast District of Los Angeles County and the United States District Court for the Central District of California, with respect to any proceedings arising out of or in connection with the Agreement or any purchase hereunder, and further, agree that mailing to either party by certified or registered mail shall constitute lawful and valid service of process. (b) No Waiver: No waiver by Seller of any default by Purchaser shall be deemed a waiver of any subsequent default by Purchaser. (c) Severability: Should any of the terms or conditions of the contract be declared invalid or unenforceable, it shall not affect the validity or enforceability of any of the remaining terms and conditions.
17. **VALIDITY.** The price quoted is firm for thirty (30) days, unless otherwise identified on the front of this contract.
18. **ERRORS.** Pureflow Ozone Div. California Environmental Controls, Inc. reserves the right to correct or identify any stenographic or clerical errors in the contract without any liability to Pureflow Ozone Div. of California Environmental Controls, Inc.
19. **TECHNICAL ADVICE.** Upon Purchaser's request, Seller may furnish technical advice with reference to the use of the material sold hereunder, to such extent as Seller has such information conveniently available; however, it is expressly agreed that there is no obligation to furnish any such advice, and that if any advice or assistance is furnished, which will be without charge, it shall be given and accepted at Purchaser's risk, and Seller shall not be responsible or liable for the advice or assistance given or results thereof.
20. **WARRANTIES:** Except as provided below, Seller warrants that equipment or parts thereof delivered hereunder meet Seller's standard specification for the equipment or parts, or such other specifications as have been expressly made as part of this Agreement. Equipment and parts sold, but not manufactured, by Seller are warranted to the extent of the manufacturer's original warranty. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED; SELLER MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER WILL MAKE NO WARRANTY OR MODIFY ANY EXISTING WARRANTY TO ANY CUSTOMER BEYOND ANY WARRANTY STATED BY SELLER'S SPECIFICATIONS. NO LIABILITY WILL RESULT TO EITHER PARTY FROM DELAY IN PERFORMANCE OR NON-PERFORMANCE CAUSED BY CIRCUMSTANCES BEYOND THE CONTROL OF THE PARTY AFFECTED. THE MEASURE OF DAMAGES RECOVERABLE BY PURCHASER SHALL NOT EXCEED THE PURCHASE PRICE PAID BY PURCHASER TO SELLER. THIS IS PURCHASER'S SOLE REMEDY AGAINST SELLER, SELLER SHALL NOT BE LIABLE FOR ANY INDIRECT OR PROSPECTIVE, CONSEQUENTIAL OR SPECIAL DAMAGES NOTWITHSTANDING THE FOREGOING. NO EQUIPMENT OR PARTS SHALL BE RETURNED WITHOUT INSTRUCTIONS FROM SELLER'S HOME OFFICE.

PF601.3



6739 WASHINGTON AVE., WHITTIER, CA 90601
OFFICE: (562) 945-3425 (800) 926-3426 WWW.WATERBYPUREFLOW.COM

SCOPE OF SUPPLY

QUOTATION NO. P2104031

DATE: OCTOBER 3, 2022

CLIENT

FILTER VESSEL A

CITY OF SAN LUIS, AZ
DEPARTMENT OF PUBLIC WORKS, WELL NO. 5

**Iron and Manganese Filtration System
1,200 gpm**

CONSULTING ENGINEER



JAMES DAVEY & ASSOCIATES
1025 W 24TH ST.
YUMA, AZ 85364
(928) 782-7926

REPRESENTATIVE



REACO ASSOCIATES LLC
18011 W MARSHALL CT.
LITCHFIELD PARK, AZ 85340
(623) 377-6249

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 <p>21 employees 3 Professional engineers UL508A Panel shop</p>	<p>Representation Network</p>  <p>USA Canada Mexico</p>	<p>50 years</p> <p>In Business</p> 
<p>Treatment Technology</p> <p>Coagulation Filtration Ion Exchange Ozone Generation Advanced oxidation Biological Filtration System Automation</p> 	<p>100% commitment</p>  <p>TOP references for successfully delivered projects</p>	<p>Treatment Standards</p> <p>NSF 60/61 W.H.O. USEPA SDHS</p> 
 <p>Trust Innovation Quality</p> <p>Sustainability Reliable service Integrity</p>		<p>Industry Alliances</p> <p>WEF AWWA CWEA WaterReuse Association IOA</p> 
<p>Municipal, General Industry, Oil & Gas, Aquaculture, Food & Beverage, Utilities, Textiles, Mining</p> 		



1.0 INTRODUCTION

Established in 1973 in Whittier California, Pureflow Filtration Div. specializes in the removal of heavy metals, radionuclides, sulfides, and organics from drinking water supplies, industrial water sources, and process streams. With flow rates from 20 gpm to 10,000 gpm, Pureflow has designed and manufactured hundreds of treatment systems throughout the US, Canada, and Mexico.

1.1 PUREFLOW REPUTATION

Pureflow's reputation is built on our commitment to produce the highest quality class of equipment in the industry, custom engineered, with unprecedented service that warrants long-standing relationships with our valued clients. The technology is unrivaled, and the quality is unsurpassed.

1.2 TECHNOLOGY

Pureflow offers a wide variety of proprietary and non-proprietary high-performance media and pretreatment oxidation technologies that are custom selected through a pilot study / bench scale process. Our robust systems are designed to be operator friendly and may not require filter media regeneration or replacement. Our inhouse built control panels offer sophisticated and intuitive design for a high level of safety, monitoring, and control of the complete water treatment system.

2.0 DESIGN PARAMETERS

1,200 GPM IRON AND MANGANESE FILTRATION SYSTEM

FIELD DATA

DESIGN FLOW RATE	1,200	gpm
SYSTEM OPERATING PRESSURE	40	psi
IRON (Fe)	N.D.	mg/l
MANGANESE (Mn)	0.350	mg/l
pH	7.4	

NOTE: THE ABOVE DATA WAS PROVIDED TO PUREFLOW FILTRATION BY THE CITY OF SAN LUIS FOR THE PURPOSE OF PREPARING THIS QUOTATION. IT IS PUREFLOW'S UNDERSTANDING THAT AT THE PRESENT TIME, ACTUAL RAW WATER QUALITY DATA FOR WELL #5 IS UNAVAILABLE. PUREFLOW FILTRATION SHALL CONFIRM THE FOLLOWING SCOPE OF SUPPLY (FILTER VESSEL SIZING, ETC.) IS ADEQUATE OR REQUIRES MODIFICATION, UPON RECEIPT OF ACTUAL RAW WATER QUALITY DATA FOR WELL #5.

SYSTEM DATA

MODEL NO.	C-2400HD	
NUMBER OF VESSELS	2	one (1) online one (1) redundant
FLOW RATE / FILTER VESSEL	1,200	gpm
VESSEL DESIGN PRESSURE	75	psi
VESSEL SURFACE AREA / FILTER	120	sq. ft.
FILTER LOADING RATE	10	gpm/sq. ft.
BACKWASH FLOW RATE / FILTER	3,120	gpm
BACKWASH RATE @ 90 DEGREES F. (SEE NOTE BELOW) WATER TEMPERATURE	26	gpm/sq. ft.
BACKWASH DURATION	4	minutes
BACKWASH VOLUME / FILTER	12,480	gallons
PURGE / FILTER	1,200	gpm
PURGE DURATION	1	minute
BACKWASH + PURGE VOLUME PER FILTER	13,680	gallons
TOTAL BACKWASH + PURGE, TWO FILTERS	27,360	gallons

NOTE: THE BACKWASH FLOW RATE WILL VARY BASED ON RAW WATER TEMPERATURE. FOR THE PURPOSE OF ESTABLISHING A PRELIMINARY AND CONSERVATIVE DESIGN, PUREFLOW HAS ASSUMED A RAW WATER TEMPERATURE OF 90 DEGREES F. IF THE WATER TEMPERATURE IS COOLER, THE BACKWASH FLOW RATE WILL GO DOWN.

3.0 SCOPE OF SUPPLY

3.1 PRESSURE VESSEL

ITEM	QTY	DESCRIPTION
1	2	<p>HORIZONTAL FILTER VESSELS INCLUDING THE FOLLOWING:</p> <ul style="list-style-type: none"> ▪ ASME CODE, 75 PSI DESIGN PRESSURE ▪ 96" DIAMETER x 150" STRAIGHT SIDE SHELL ▪ INTERNAL EPOXY COATING (12-15 MILS), 100% SOLID, NSF 61 ▪ EXTERNAL EPOXY PRIMER (3-4 MILS) ▪ PVC SCH. 80 UPPER MANIFOLD HEADER AND LATERALS ▪ PVC SCH. 80 LOWER MANIFOLD HEADER ▪ 316 SS WEDGE WIRE WRAPPED LATERALS

3.2 FILTER MEDIA

ITEM	QTY	DESCRIPTION
2	2	<p>FILTER MEDIA LOADS</p> <ul style="list-style-type: none"> ▪ GRAVEL / GARNET SUPPORT MEDIA ▪ PUREFLOW PM200M CATALYTIC ADSORPTIVE MEDIA ▪ ANTHRACITE MEDIA

3.3 VALVES

ITEM	QTY	DESCRIPTION
3	10	BUTTERFLY VALVES, DUCTILE IRON BODY, D. IRON DISK NYLON COATED, NSF 61 EACH WITH ELECTRIC ACTUATOR. NOTE: VALVES AND ACTUATORS TO MATCH EXISTING PUREFLOW FILTRATION SYSTEM AT THE CITY OF SAN LUIS.
4	2	3" MANUAL FILTER DRAIN VALVES
5	2	<p>AUTOMATIC AIR / RELIEF VALVES, INCLUDING:</p> <ul style="list-style-type: none"> ▪ MANUAL AIR VENT WITH VALVES AND S.S. PIPING

3.4 FACE PIPING

ITEM	QTY	DESCRIPTION
6	LOT	<p>FACE PIPING ASSEMBLY INSTALLED ON FILTER, INCLUDING TEES, SPOOLS, VALVES</p> <ul style="list-style-type: none"> ▪ ALL FUSION BONDED EPOXY LINED AND EXTERNAL EPOXY PRIMER

3.5 INTERCONNECTING PIPING MANIFOLD BETWEEN FILTERS

ITEM	QTY	DESCRIPTION
7	LOT	TEES, ELBOWS, AND SPOOLS AS REQUIRED TO INTERCONNECT EACH FILTER <ul style="list-style-type: none"> ▪ ALL FUSION BONDED EPOXY LINED AND EXTERNAL EPOXY PRIMER

3.6 FLOW METERS

ITEM	QTY	DESCRIPTION
8	2	8" MAGNETIC TYPE EFFLUENT FLOW METERS WITH TRANSMITTER, NSF 61
9	1	12" MAGNETIC TYPE BACKWASH FLOW METER WITH TRANSMITTER, NSF 61

3.7 FLOW CONTROL VALVES

ITEM	QTY	DESCRIPTION
10	2	8" EFFLUENT CLA-VALVES PILOT CONTROLLED, NSF 61
11	1	12" BACKWASH CLA-VALVE PILOT OPERATED, NSF 61

3.8 CHEMICAL FEED SYSTEM – SODIUM HYPOCHLORITE

ITEM	QTY	DESCRIPTION
12	2	CHEMICAL FEED PUMPS
13	1	CHEMICAL STORAGE POLY TANK
14	1	PANEL ASSEMBLY, WITH MOUNTED CHEMICAL FEED PUMPS, BACK AND PRESSURE RELIEF VALVES, CALIBRATION COLUMN, AND PIPING.

3.9 STATIC MIXER

ITEM	QTY	DESCRIPTION
15	1	WESTFALL MODEL NUMBER 2800, 8", CPVC / HASTELLOY C WITH CORP STOPS, DUPLEX

3.10 BACKWASH WATER RECLAIM SYSTEM

ITEM	QTY	DESCRIPTION
16	2	BACKWASH WATER RECLAIM PUMPS
17	LOT	CHECK VALVE, SAMPLE COCK AND PRESSURE GAUGES
18	LOT	LEVEL TRANSMITTER (RECLAIM TANK)
19	LOT	4" FLOATING DECANter, HOSE, FLANGE ADAPTER, CLAMPS, ETC.
20	2	ELECTRICALLY ACTUATED BUTTERFLY VALVES
21	1	3" FIXED RATE, FLOW CONTROL VALVE
22	2	MANUAL ISOLATION BUTTERFLY VALVES
23	LOT	INTERCONNECTING PIPING, WELDED CARBON STEEL, FUSION BONDED EPOXY INTERIOR, EPOXY COATED EXTERIOR (PIPING ON SKID ONLY)
24	LOT	ABOVE ITEMS MOUNTED, ASSEMBLED AND WIRED ON AN EPOXY COATED CARBON STEEL STRUCTURAL SKID.
25	LOT	CONTROL LOGIC AND HARDWARE
NOTE:		PRICE DOES NOT INCLUDE A FIELD ERECTED BACKWASH WATER RECLAIM TANK. PUREFLOW FILTRATION RECOMMENDS A MINIMUM TANK VOLUME OF THREE TOTAL BACKWASH EVENTS OR 82,080 U.S. GALLONS FOR THIS BACKWASH WATER RECLAIM TANK.

3.11 RESIDUAL SOLIDS FLUIDIZATION AND TRANSFER SYSTEM

ITEM	QTY	DESCRIPTION
26	1	STRUCTURAL STEEL SKID MOUNTING OF BELOW EQUIPMENT
27	2	FLUIDIZATION AND TRANSFER PUMPS
28	LOT	CHECK VALVE, SAMPLE COCK AND PRESSURE GAUGES
29	1	MANUAL BUTTERFLY VALVE
30	2	BUTTERFLY VALVES, DUCTILE IRON BODY, STAINLESS STEEL DISC, NSF 61 WITH ELECTRIC VALVES ACTUATORS.
31	1	ELECTROMAGNETIC TYPE FLOW METERS WITH TRANSMITTER, NSF 61
32	1	FIXED RATE FLOW CONTROL VALVE
33	LOT	EPOXY COATED STRUCTURAL STEEL SKID, ABOVE ITEMS PRE-PLUMBED AND WIRED
34	LOT	CONTROL LOGIC
35	LOT	PIPING, HARDWARE, GASKETS AND STAINLESS-STEEL NOZZLES FOR RESIDUAL SOLIDS MIXING WILL BE SHIPPED LOOSE FOR INSTALLATION IN THE BACKWASH WATER RECLAIM TANK BY OTHERS

3.12 BACKWASH WATER SUPPLY SYSTEM

ITEM	QTY	DESCRIPTION
36	LOT	STRUCTURAL STEEL SKID MOUNTING OF BELOW EQUIPMENT
37	2	BACKWASH SUPPLY PUMPS
38	1	CHECK VALVE, SAMPLE COCK AND PRESSURE GAUGES
39	1	MANUAL BUTTERFLY VALVE

3.13 FILTER SYSTEM CONTROL PANEL

ITEM	QTY	DESCRIPTION
40	1	AUTOMATIC FILTER SYSTEM CONTROL PANEL, PLC OPERATED WITH 10" COLOR OIT MOUNTED IN NEMA 12 ENCLOSURE

3.14 INSTRUMENTATION

ITEM	QTY	DESCRIPTION
41	1	PH / CHLORINE RESIDUAL ANALYZERS, PANEL MOUNTED

3.15 SUBMITTALS

ITEM	QTY	DESCRIPTION
42	1	ELECTRONIC SUBMITTAL DOCUMENTS, INCLUDING: <ul style="list-style-type: none"> ▪ DRAWINGS ▪ EQUIPMENT CUT SHEETS ▪ ELECTRICAL SCHEMATICS

3.16 OPERATION AND MAINTENANCE MANUALS

ITEM	QTY	DESCRIPTION
43	1	ELECTRONIC OPERATION AND MAINTENANCE MANUALS

3.17 START-UP, INSPECTION AND TRAINING

ITEM	QTY	DESCRIPTION
44	LOT	START-UP, TWO (2) TRIPS, FIVE (5) ONSITE DAYS
45	LOT	INSPECTION AND TRAINING, ONE (1) TRIP, TWO (2) ONSITE DAYS

4.0 SUBMITTAL DELIVERY

Ten (10) to twelve (12) weeks after receipt of purchase order.

5.0 APPROXIMATE DATE OF DELIVERY

Sixteen (16) to eighteen (18) weeks after release to fabrication.

6.0 STANDARD WARRANTY

Eighteen (18) months from shipment or twelve (12) months from customer buy-off, whichever occurs first.

7.0 FREIGHT

Freight-on-board shipping point Whittier, CA. Freight-Pre-Paid to job site.

8.0 PROGRESS PAYMENT TERMS

20% With purchase order or execution of contract.

25% Upon approval of the mechanical equipment engineering documentation submittal, or four (4) weeks from date of issuance of the mechanical equipment engineering documentation submittal, whichever occurs first.

30% Upon release to procurement / fabrication.

20% Upon equipment delivery to jobsite or thirty (30) days from ready to ship date, whichever occurs first.

5% Upon commissioning / operator training / client buy-off or six (6) months from ready to ship date, whichever occurs first.

9.0 EXCLUSIONS

- › Storage
- › Off-loading
- › Installation
- › Concrete / rebar (sub-base in filter)
- › Taxes
- › Permits, Fees, Tariffs
- › Pipe supports
- › Field Wiring
- › Anchor bolts
- › Backwash Water Reclaim Tank
- › Chemicals

10.0 EXCEPTIONS

NONE

11.0 COMMERCIAL TERMS AND CONDITIONS

This scope of supply includes only equipment specifically mentioned herein and does not include, or infer inclusion of, any additional equipment, piping, valves, wiring, installation, or services, regardless of its relationship to the supplied equipment.