

**San Gabriel County Water District
Regular Meeting of the Board of Directors
8366 Grand Ave
Rosemead, CA 91770**

November 12, 2024

4:00 P.M.

AGENDA

Call to Order

1. Pledge of Allegiance

2. Roll Call **Director Cammarano** _____
 Director DeLaTorre _____
 Director Taylor _____
 Director Saucedo _____
 Director Mamdapurkar _____

3. Additions, Re-order and Adoption of the Agenda:

Motion:
Second:
Action:

4. Public Comment on Agenda and Non-Agenda items

- a. Anyone wishing to discuss items on and not on the agenda may do so at this time**
- b. Water Rate Presentation with IB Consulting**

5. Minutes of a Regular Meeting of the Board of Directors held October 22, 2024

Motion:
Second:
Action:

6. List of Demands on General Account

a. October 2024 Invoices

Motion:
Second:
Action:

Regular Meeting of the Board of Directors

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7. District Counsel

8. Action Item

a. Appointment of Directors for the two open positions.

Motion:

Second:

Action:

b. Discussion, Consideration and Action on Awarding Well 12 Arsenic Treatment Plant Project to Clear Creek Systems cost, of \$1,467,000

Motion:

Second:

Action:

9. Miscellaneous Information Items

a. Water Well Report

10. General Manager Report

11. Future Agenda Items

12. Director Comments

13. Adjournment

Motion:

Second:

Action:

Materials related to an item on this agenda submitted after distribution of the agenda packet are available for public review at the District office, located at 8366 Grand Ave., Rosemead, CA 91770.

If you have special needs because of a disability which make it difficult for you to access or participate in the meeting, please contact the District Finance & Administration Manager, (626) 287-0341, by at least noon on the Monday preceding the meeting. The District will attempt to make arrangements to accommodate your attendance.

**MINUTES OF A REGULAR MEETING OF
THE BOARD OF DIRECTORS OF
SAN GABRIEL COUNTY WATER DISTRICT
HELD ON OCTOBER 22, 2024**

- CALL TO ORDER** A regular meeting of the Board of Directors of the San Gabriel County Water District was called to order on Tuesday, October 22, 2024, at 8366 Grand Avenue, Rosemead, California at the hour of 4:00 p.m.
- ROLL CALL** Present at the meeting were General Manager Jim Prior, Finance and Administration Manager Carmen Corona, Assistant General Manager Casey Feilen, Directors Cammarano, Taylor, Mamdapurkar and DeLaTorre and Saucedo, as well as District Counsel Koczanowicz.
- AGENDA** Upon motion by Director DeLaTorre and seconded by Director Saucedo, the Board voted unanimously to adopt the agenda as presented.
- PUBLIC COMMENT** None
- MINUTES** Director Taylor noted that he was the one that made the motion to adjourn at the last meeting, not President Cammarano, as reflected in the draft minutes. Upon motion by Director Saucedo, seconded by Director Mamdapurkar, the Board voted to approve the minutes as amended for the meeting of the Board of Directors held on October 8, 2024. Motion passed 5-0.
- DEMANDS** Director DeLaTorre motioned to authorize an electronic funds transfer from the general account to the revolving account in the amount of \$85,773.51. The motion was seconded by Director Taylor. No questions were asked by the Board. Motion passed on a 5-0 vote.
- DISTRICT COUNSEL REPORT** District Counsel advised the Board that the meeting with the City of Rosemead regarding permit fees and fines was cancelled by the City due to a calendar conflict and should be rescheduled after Mr. Prior returns from vacation. District Counsel also briefed the Board on an Appellate Court decision in Pompey v. Bank of Stockton. The higher court reversed the trial court's decision which applied a 4-year statute of limitations to an action to cancel a RV purchase contract due to the failure to comply with the statutory requirements of the details in the contract document. Court of appeals ruled that such statute is punitive and carries only a one-year limitation period, unlike the one applicable to contracts (4 year). Consequently, buyer's attempt to rescind the contract and return the vehicle for full reimbursement after 3 years was denied, even though the contract document incorrectly characterized the \$19K down payment as cash, while \$18K of it was actually a trade in.
- ACTION ITEMS** None

**MISC
INFORMATION**

Receive and File:

- a. September 2024 Banking and Investment Report
- b. September 2024 Monthly Revenue & Expenditure Report

Director Taylor noted that the cash receipts were up for the year as well as production. Director Cammarano was pleased with the high LAIF interest rate.

**GENERAL
MANAGER
COMMENTS**

Mr. Prior noted that the next Board meeting will have the Treatment Plant proposal and the rate study presentation for the Board's consideration. He reported that he and Mr. Feilen attended an informative meeting regarding the Raymond Basin and that he's going on a two-week vacation. He also requested that the District Counsel brief the Board and staff on AB2079 at the next meeting.

**FUTURE
AGENDA
ITEMS**

District Counsel advised the Board that the decision to appoint a new Director (no candidates filed papers for the election) will be coming before the Board at the upcoming meetings.

**DIRECTOR
COMMENTS**

Director Cammarano spoke about an interesting LA Times article about the Morris Dam, named for Samuel Brooks Morris, the Director of Pasadena Water Department and about the tours of a house that used to belong to General Patton.

ADJOURNMENT

Upon motion by Director DeLaTorre seconded by Director Saucedo the Board voted unanimously to adjourn the meeting at 4:34 p.m.

President

Secretary

[SEAL]

Report Criteria:

Report type: Summary
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General Account

GL Period	Check Issue Date	Check Number	Vendor Number	Payee	Check GL Account	Amount
11/24	11/12/2024	23467	10177	ACC Business	102000	731.59
11/24	11/12/2024	23468	10077	ACWA/JPIA	102000	50,197.13
11/24	11/12/2024	23469	13751	ALSCO	102000	323.94
11/24	11/12/2024	23470	10310	Applied Technology Group, Inc.	102000	60.00
11/24	11/12/2024	23471	10048	AT&T	102000	164.53
11/24	11/12/2024	23472	13694	California American Water	102000	350.68
11/24	11/12/2024	23473	10061	Caselle, Inc.	102000	1,560.00
11/24	11/12/2024	23474	11364	City of San Gabriel	102000	46,884.46
11/24	11/12/2024	23475	12035	Civiltec Engineering, Inc.	102000	61,704.12
11/24	11/12/2024	23476	11770	Clinical Laboratory of San Bernardino	102000	1,967.30
11/24	11/12/2024	23477	13470	Coverall North America, Inc.	102000	385.00
11/24	11/12/2024	23478	10060	CV Strategies	102000	4,326.72
11/24	11/12/2024	23479	11486	Doty Bros. Construction Co.	102000	16,038.58
11/24	11/12/2024	23480	13413	Elite Equipment, Inc.	102000	1,973.39
11/24	11/12/2024	23481	10935	Ewing Irrigation Products Inc.	102000	293.03
11/24	11/12/2024	23482	13369	Fast Eddie's Trucking	102000	775.00
11/24	11/12/2024	23483	13434	Ferguson Enterprises LLC #1350	102000	9.70
11/24	11/12/2024	23484	10120	Frajo Brothers Inc.	102000	39,668.44
11/24	11/12/2024	23485	10486	Gardens Inc	102000	5,090.00
11/24	11/12/2024	23486	12675	Grainger	102000	1,159.12
11/24	11/12/2024	23487	13538	Highroad Information Technology	102000	7,657.00
11/24	11/12/2024	23488	12202	Home Depot Credit Services	102000	817.22
11/24	11/12/2024	23489	10899	IB Consulting, LLC	102000	26,160.00
11/24	11/12/2024	23490	13524	Infosend	102000	5,594.01
11/24	11/12/2024	23491	12499	Interstate Batteries	102000	43.69
11/24	11/12/2024	23492	12169	JHM Supply	102000	271.01
11/24	11/12/2024	23493	13727	KAR-TECH	102000	80.00
11/24	11/12/2024	23494	10209	Mark Garcia	102000	15,000.00
11/24	11/12/2024	23495	13141	McMaster-Carr Supply Company	102000	179.49
11/24	11/12/2024	23496	10013	Mission Super Hardware	102000	119.69
11/24	11/12/2024	23497	13459	Mutual of Omaha	102000	631.82
11/24	11/12/2024	23498	13386	ODP Business Solutions, LLC	102000	118.08
11/24	11/12/2024	23499	10157	O'Reilly	102000	49.66
11/24	11/12/2024	23500	10919	Paveco Construction, Inc.	102000	7,692.50
11/24	11/12/2024	23501	10112	Pitney Bowes Bank Inc Purchase Power	102000	150.00

GL Period	Check Issue Date	Check Number	Vendor Number	Payee	Check GL Account	Amount
11/24	11/12/2024	23502	10166	Public Water Agencies Group	102000	1,268.23
11/24	11/12/2024	23503	10024	Raymond Basin Management Board	102000	401.50
11/24	11/12/2024	23504	11820	Republic Services #902	102000	506.42
11/24	11/12/2024	23505	12478	SC Fuels (Fuelman)	102000	2,920.66
11/24	11/12/2024	23506	13321	Signius Communications	102000	711.91
11/24	11/12/2024	23507	11411	South Coast A.Q.M.D.	102000	707.00
11/24	11/12/2024	23508	13249	Temple City Lawnmower Inc.	102000	192.91
11/24	11/12/2024	23509	10917	Terminix Commercial	102000	307.00
11/24	11/12/2024	23510	10695	Uline, Inc.	102000	969.65
11/24	11/12/2024	23511	12045	Underground Service Alert	102000	154.30
11/24	11/12/2024	23512	10936	United Rentals (North America), Inc.	102000	770.18
11/24	11/12/2024	23513	12803	Vulcan Materials Co.	102000	27.37
11/24	11/12/2024	23514	12727	Waterline Technologies, Inc.	102000	3,474.80
11/24	11/12/2024	23515	10283	Watts Regulator Co	102000	268.06
11/24	11/12/2024	23516	13221	Western Fence Co.	102000	375.00
11/24	11/12/2024	23517	10022	Western Water Works Supply Co.	102000	18,034.11
11/24	11/12/2024	23518	10447	Xerox Corporation	102000	264.12

Grand Totals:

329,580.12

Report Criteria:

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EFT-From the General Account for the Revolving Reimbursement

	Date Paid	Amount Paid
Board of Director's Payroll	10/22/2024	\$ 353.55
Payroll	10/23/2024	\$ 84,463.93
Revolving Reimbursement	10/31/2024	\$ 35,523.85
	Total Amount to be Reimbursed:	\$ 120,341.33

Report Criteria:

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Revolving Account

GL Period	Check Issue Date	Check Number	Vendor Number	Payee	Check GL Account	Amount
10/24	10/02/2024	13955	13745	Monica Pena	102000	964.93
10/24	10/02/2024	13956	10794	RE/MAX Masters	102000	2,400.00
10/24	10/02/2024	13957	10730	San Gabriel County Water District	102000	123.81
10/24	10/02/2024	13958	10453	T-Mobile	102000	297.33
10/24	10/03/2024	13959	13366	Anthony Agobian	102000	918.00
10/24	10/03/2024	13960	13300	Brian W. Snaer, D.D.S., Inc.	102000	176.00
10/24	10/03/2024	13961	10363	Staples Business Credit	102000	1,615.28
10/24	10/03/2024	13962	12674	U.S. Bank	102000	756.12
10/24	10/08/2024	13963	13366	Anthony Agobian	102000	.00 V
10/24	10/08/2024	13964	13300	Brian W. Snaer, D.D.S., Inc.	102000	.00 V
10/24	10/08/2024	13965	10363	Staples Business Credit	102000	.00 V
10/24	10/08/2024	13966	12674	U.S. Bank	102000	.00 V
10/24	10/07/2024	13967	11940	Lincoln National Life Insurance Co.	102000	4,170.00
10/24	10/07/2024	13968	10918	Masters Real Estate Network	102000	624.00
10/24	10/07/2024	13969	13190	Patrick Rowland	102000	182.30
10/24	10/07/2024	13970	10098	Petty Cash Reimbursement	102000	181.63
10/24	10/08/2024	13971	10544	Anagh Mamdapurkar	102000	92.35
10/24	10/08/2024	13972	10350	Domingo Saucedo	102000	92.35
10/24	10/11/2024	13973	10122	ACWA JPIA	102000	7,740.73
10/24	10/11/2024	13974	10068	Arlen Vartanian D.D.S., Inc.	102000	579.00
10/24	10/23/2024	13975	10920	Baizhong Zheng	102000	.00 V
10/24	10/11/2024	13976	10546	John T. Wang DDS, Inc.	102000	289.00
10/24	10/11/2024	13977	13546	Maria Melissa Francisco, DDS	102000	932.00
10/24	10/11/2024	13978	13322	Vicken Marganian, DDS, Inc.	102000	158.00
10/24	10/22/2024	13979	10544	Anagh Mamdapurkar	102000	92.35
10/24	10/22/2024	13980	10350	Domingo Saucedo	102000	92.35
10/24	10/22/2024	13981	10178	Brian Choi Dental Inc.	102000	40.00
10/24	10/22/2024	13982	10116	Hui Yang, DDS, Inc.	102000	270.00
10/24	10/22/2024	13983	11940	Lincoln National Life Insurance Co.	102000	4,170.00
10/24	10/22/2024	13984	10811	net2phone Global Services, LLC	102000	561.87
10/24	10/22/2024	13985	13375	Robin Su, DDS	102000	148.00
10/24	10/28/2024	13986	10672	Alexander A Vizcarra, DMD, APC	102000	330.00
10/24	10/28/2024	13987	10594	Amy Tran D.D.S. Inc.	102000	592.00
10/24	10/28/2024	13988	10184	Dental Spa of West Covina	102000	497.00
10/24	10/28/2024	13989	10921	Marie Yvette Buan, D.D.S., Inc.	102000	1,965.00

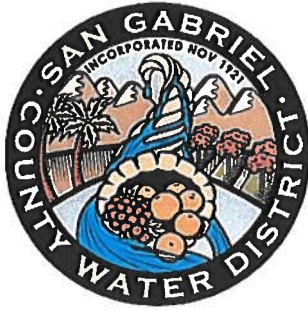
GL Period	Check Issue Date	Check Number	Vendor Number	Payee	Check GL Account	Amount
10/24	10/30/2024	13990	10930	Cardona Family Special Needs Trust	102000	31.93
10/24	10/30/2024	13991	10922	Ceqiang Zhao	102000	150.64
10/24	10/30/2024	13992	10931	Dajle Inc.	102000	37.48
10/24	10/30/2024	13993	10928	Jeremy Nash	102000	63.03
10/24	10/30/2024	13994	10927	Liang Xia	102000	21.71
10/24	10/30/2024	13995	10923	Alice Waikwan Yeung	102000	.00 V
10/24	10/30/2024	13996	10929	Liqun Chen	102000	212.93
10/24	10/30/2024	13997	10926	Alyssa Cook	102000	.00 V
10/24	10/30/2024	13998	10925	Lixia Liu	102000	8.03
10/24	10/30/2024	13999	10924	Maria Bruno	102000	546.24
10/24	10/30/2024	14000	10923	Alice Waikwan Yeung	102000	21.06
10/24	10/30/2024	14001	10926	Alyssa Cook	102000	38.49
10/24	10/31/2024	14002	13605	Jim Jenkins	102000	984.00
10/24	10/31/2024	14003	10932	Wong Yee Chan	102000	142.80
10/24	10/31/2024	14004	10577	Hardy & Harper, Inc.	102000	2,000.00
10/24	10/31/2024	14005	10933	Yi Qiang Su	102000	214.11

Grand Totals:

35,523.85

Report Criteria:

Report type: Summary
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San Gabriel County Water District

STAFF REPORT

MEETING DATE: November 12, 2024

TO: President Cammarano and Board of Directors

FROM: Martin Koczanowicz, District Counsel

SUBJECT: **Appointment of Directors to fill two Board vacancies**

SUMMARY

There were no candidates that filed papers for the two open Director positions in the November 5, 2024 election. Board has the duty to fill those positions through an appointment.

BACKGROUND

The terms for Director Taylor and Director Cammarano will expire this year. Director Cammarano has decided to retire. No one other than Director Taylor filed papers to run for those two opening. Under the Elections Code Section 10515, the Board has the responsibility to appoint qualified candidates to fill the vacant seats. To be qualified, any candidate must reside in the District service area and be over 18 years of age. Once appointed the two Directors would serve a full 4-year term.

ANALYSIS

The Board has discretion on how to proceed with the appointments. In the past Board interviewed all the interested candidates and appointed Director Saucedo to the vacant position. The process spanned two meetings.

Board may choose to follow the same path or use a different process. Director Taylor did pull the nomination papers, but no ballot was prepared by the County once it was known that no other candidates were running. He has gained the seat by default. The Board should appoint Dr. Taylor at this meeting. The Board may go through the interview process and make the other appointment once the successful candidate is identified.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Not a project as defined in Section 15378 of the state CEQA Guidelines.

FISCAL IMPACT

There is no direct fiscal impact from the recommended action. District did save several thousand dollars by not having anyone run in the consolidated election.

RECOMMENDATION

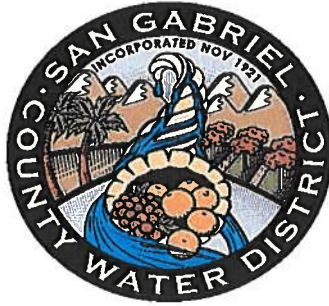
Staff recommends that the Board appoint Director Taylor to fill one vacancy and discuss a process for appointment of the other individual to fill the second vacancy.

PUBLIC NOTICE PROCESS

This item has been noticed through the regular agenda notification process in accordance with the Brown Act.

ATTACHMENTS

None



November 12, 2024

To: Board of Directors
From: General Manager
Subject: Well 12 Arsenic Treatment Plant

In July of 2023 we had found out we were over the MCL for arsenic. Staff monitored hoping the numbers would come down, but they never got below the MCL long enough to get pass the SWRCB. It was decided that the District would have to install a Treatment plant to treat the arsenic. We had Civiltec to put together an RFP and received two proposals. Staff and Civiltec went over the proposals. Attached are the proposals for you to examine.

De Nora	\$1,289,000
Clear Creek Systems	\$1,467,000

Staff is recommending we use Clear Creek Systems because they have done more Treatment plants and have done them locally. The long-term O and M would be cheaper than De Nora.



PROPOSED SCOPE OF WORK INCLUDED

(EITHER AS INCLUDED COMPONENT OR OPTION)

1. 2650 GPM Arsenic Filtration System Purchase:

- Three (3) 12' Diameter Nominal Media Vessels (to be arranged in a parallel/Tri-Plex arrangement)
- SA-516 GR70 Steel Construction Pressure Vessels
- 144" Inch OD X 184" Tall
- 78" Straight Side Shell
- 100 PSI Minimum Pressure Rating
- Base to top of PRV: 195"
- Internal Sandblasting Surface Prep SSPC-SP6
- Internal Sherwin Williams Sherplate 600
- External Sandblasting Surface Prep SSPC-SP6
- External Epoxy Primer & Polyurethane Coat
- Internal Laterals
- Eight-Inch (8") #150 Flanged Influent & Effluent
- Flange Couplings
- Drain Ports
- 14"x18" Top Elliptical Manway & 24" Circular Sideshell Manway with Davit
- Vessels suitable for drinking water use (NSF or equivalent rating)
- Vessels to be mounted on steel legs for easy plug and play operation at site
- Shipping to the Site (FOB)
- Each Vessel will have a mounted ladder and catwalk
- Interconnecting Manifold to Allow for Manual Backwash (Final Connections On-Site by others)
- 4" Dial Wika Pressure Gauges as specified
- Dwyer Differential Pressure Display for Measurement of Head Loss across vessel
- Sample Cocks to be located as specified
- 2" Wafer Butterfly Valves (AWWA C504) and Brass valve(s) for air and pressure release
- Magnetic Flow Meter at influent and effluent of each vessel
- All supplied piping $\geq 3"$ to be flanged, epoxy lined and coated; Include EPDM gaskets and carry ANSI/AWWA C115/A21.15 and/or ANSI/AWWA C110/A21.10 Ratings as applicable
- All supplied Process Piping $\leq 2.5"$ to be galvanized steel Sch40
- Provide Unions or Flanged joints for valves and equipment as appropriate
- Piping Surface Preparation to include SSPC-SP-6 Commercial Blast 2-coat system as specified (or equivalent)
- All Process Piping to be labeled, identifying service and flow direction



- Supply up to 1144 Cu. Ft. of BayOxide 33™ arsenic removal media. Media targets Arsenic selectively
- Vessels to be filled by owner on site with sufficient empty volume to allow for media expansion
- ASME Stamp & National Board Registration
- CA Professional Engineer Seismic Calcs & Stamp
- Connections to existing pump system **by others**
- Triple Clean and Rinse of Brand-New Vessels or any Bacteria Testing **by others** to be performed at site prior to media loading
- System Start-Up and Testing and Field Services to resolve start-up or testing issues includes assistance with equipment supplied by others as it relates to CCS supplied system.
- Instruction/Training and Certification of Plant Operator(s) operating procedures and maintenance. Estimate 1 day.

Cost of Ownership Complete: \$1,467,000

Does Not Include Taxes, Infrastructure, Site Improvements, or Permits

Payment Terms:

15% Due with Contract Acceptance / 20% Upon Approved Submittals/Drawings / 55% Upon Delivery of System Components to site / 10% following media delivery and furnishing written certification of satisfactory installation, startup and testing, and meeting DDW and all regulatory acceptances.

Lead Times

Technical Submittal Production 8 to 12 weeks

Vessels Lead Time 26 to 30 Weeks (Estimated; Depends on When Order is Placed)

Media Lead Time is 26 to 33 Weeks (Estimated)

Media Breakout Cost (Per RFP Requirements; Included in above): \$362,648 + S&H

System Monitoring / Maintenance:

- Annual O&M (estimated). **\$62,400 per year (\$125/hour per tech)**

Budgetary Replacement Arsenic (As) Removal Consumables:

As Treatment Media (Budgetary) **\$299/cubic feet. (+tax) ***

*Media pricing is for turnkey service and does not include vacuum of media, nor non-hazardous disposal. TCLP8260 and CAM17 Metals analysis required prior to transport.

Estimated Spent Media VacOut and Disposal Costs **\$75,000/year**

1.0 INTRODUCTION

De Nora Water Technologies, LLC (De Nora) is pleased to offer this proposal for the supply of equipment, SORB E33 media and services for three (3) 12'-0" diameter SORB 33° Engineered Arsenic System (EAS) Adsorbers at the sites specified in your RFQ dated 10 September 2024. This proposal is in accordance with the specifications and drawings of 2024805 SGCWD Well 12 RFP except as noted in Section 6 "Qualifications and Exceptions".

This proposal is the complete description of the technical offer. Below is a summary of the design criteria:

Well flow rate:	2650 gpm (max)
Pump discharge pressure:	100 psig
Pump operation:	33% on-line
Site elevation:	368 ft approximately
Adsorber location:	outdoors – no weatherproofing required
Backwash discharge:	To sanitary sewer or backwash storage
Site height limitations:	None
Media loading method:	Bag hoisted overhead
Piping material:	Epoxy coated steel
Controls Communications:	Alarm signal to alert if rupture disc has failed
Power available at site:	120V/1ph

2.0 EQUIPMENT DESCRIPTION

2.1 Adsorber Internals

- 3 lots Support Gravel
To support the media and cover the effluent collectors, shipped in 50# bags
- 3 lots SORB E33 Bayoxide Media
Shipped in 1,650 lbs (52 ft³) super sacks.

2.2 Process Vessels

- 3 Adsorber Vessels
100 psig vertical pressure vessels, each 12'-0" diameter with 5'-3" straight side wall. Design features as follows:
 - SA516-70 carbon steel plate.
 - Designed and stamped to ASME Section VIII, Division 1 Code in effect at time of contract award.
 - Legs for support of the vessels from the floor.
 - Interior blast cleaned, SSPC-SP10, and coated with ANSI / NSF Std. 61 certified epoxy.
 - Exterior blast cleaned, SSPC-SP6, and coated with two coats of self-priming

epoxy.

- Two access ports, one 24" diameter on the side wall with davit and one 14" x 18" on the top head.
- 304 stainless steel inlet distributor/backwash collection pipe.
- 304 stainless steel effluent header with 304 stainless steel screened laterals.

3 lots Adsorber Piping

The attached general arrangement drawing is indicative of how the vessels will be piped together.

- Epoxy-coated steel process piping, painted same as vessel.
- Galvanized carbon steel relief and vent piping

3 lots Platforms and Ladders

Platforms and ladders will be galvanized carbon steel similar to the style requested by the customer in a follow-up design email we received 30 September 2024.

2.3 Valves & Accessories

The enclosed P & IDs indicate the type, quantity and size of valves and accessories for the vessels. Butterfly valves will have AWWA cast iron bodies and stainless steel discs. Manual butterfly valves have handwheel operators. Accessories will include expansion joints, rupture discs, quick connect adaptors and air release/vacuum valves.

2.4 Instrumentation

4 Influent Flow Meters

Magnetic flow meters with Hastelloy C electrodes, stainless steel grounding rings and remote transmitters, sizes are indicated on the P & IDs. Transmitter mounting stands are not by De Nora. One flow meter provided per vessel influent, as well as one for the backwash influent.

3 Differential Pressure Switches

2.5 Controls

X Local Control Panel

No local control panel is provided; the adsorbers will be backwashed manually and operators will be trained by a De Nora field service team member how to perform a backwash cycle.

3.0 ASSEMBLY REQUIREMENTS

The following are the items that will be shipped individually that must be assembled in the field.

- Gravel
- SORB E33 media or Omni-SORB™
- Adsorbers: All the internal collectors and distributors will be installed at the shop. The carbon steel piping and media withdraw piping will be attached at the shop.
- Process Piping: Each adsorber will have a central piping “stem” with valves attached. Individual piping spools that connect the “stem” with the adsorbers will be shipped loose for connection in the field. These loose pipe spools will include the expansion joints. Header piping connecting the adsorbers to each other to be supplied by contractor.
- Influent flow meters for adsorbers
- DP switches for adsorbers
- All auxiliary equipment

The SORB E33 media is to be loaded through the top access hatch of the adsorber by raising the bags up by crane, forklift or other means. Therefore, sufficient overhead clearance of at least 13' must be available (assuming use of a forklift). If there is a building roof without sufficient inside clearance, then an access hatch or removable panel must be available for media loading. If sufficient clearance isn't available another option is for the media to be loaded by slurry injection, but then an additional 4" diameter nozzle and media loading pipe must be installed on the adsorber. De Nora can provide an adder price for this if necessary.

In the future media will have to be replaced after it reaches a point at which it cannot remove arsenic to required levels. At that time removal of the media will be by a vacuum hose accessed through the top or side manway. If the client desires to remove media by slurry method an additional 4" diameter nozzle and media removal pipe must be installed on the adsorber, which De Nora can provide as an adder price, if necessary.

4.0 FIELD SERVICES

De Nora will furnish the services of a qualified field representative to instruct operation personnel and advise on equipment and media installation for 3 days in 1 trip and start-up and training for 2 days in 1 trip. 4 additional days and 2 additional trips have been allotted for to comply with the operational service requirement in Section 5.0 of the RFP.

Additional services can be purchased, if desired, at the rate of \$1,562 per day (8 hr/day max.), including travel days, plus travel and living expenses to be billed at cost.

When the De Nora field representative arrives on-site at the time requested by the contractor/purchaser all equipment must be ready for work to begin. If equipment is not ready then our standard per diem rate, plus travel and living expenses, will apply.

5.0 BID CHECKLIST ITEMS NOT COVERED ELSEWHERE

Bid Checklist Item 13: A single load of media for all three tanks has a present day price of \$281,000.

Bid Checklist Item 22: Our Southern California service is handled by United Rentals Fluid Solutions.

Bid Checklist Items 23 & 24: De Nora's standard warranty is for parts and equipment only, 1

year from start up or 18 months from delivery, whichever comes first.

Bid Checklist Item 25: 4.5 PSI – 20 PSI. We recommend backwashing a vessel when it reaches 10 PSI pressure drop through an individual vessel, as measured by the provided DP switches

Bid Checklist Item 26: Due to the system being manually backwashed, power usage by the system will be limited to the instrumentation, which will be minimal and use 120V single phase.

Bid Checklist Item 28: Roughly **\$257,000** per year (media and associated changeout labor) if the arsenic levels are the targeted 20 ppb. At 11 ppb level, the highest concentration noted on the provided water quality, the estimated annual cost is roughly **\$178,000** per year.

Bid Checklist Item 29: Roughly 20-24 hours per year of labor is required to operate the equipment within the scope of this proposal, assuming that if a backwash tank is utilized it is sized large enough to handle the backwash of all three adsorbers.

6.0 QUALIFICATIONS AND EXCEPTIONS

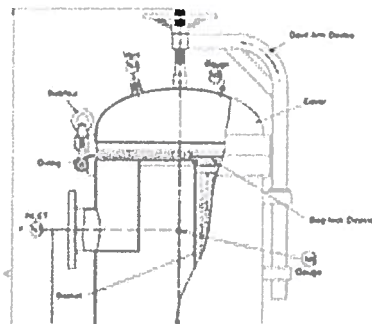
Section 2-3, Bid Checklist Item 14: Detailed design drawings will be available as part of the submittal process. The designs have been generated with the specifications of the RFP in mind.

Section 2-3, Bid Checklist Item 16 & 27: Chemicals are not provided as part of this package. The amount of chemicals required is seen on the process datasheet.

Section 2-3, Bid Checklist Item 18: No control panel is offered as part of this package. Instrumentation data sheets will be generated as part of the submittal process.

Section 2-3, Bid Checklist Item 30: The provided 20 year net present values do not include decant tank maintenance and sludge treatment, as these are outside of De Nora's scope. The minimal electrical requirements as well as the contracted maintenance for equipment are not presently included but can be provided at time of submittals. Included are the cost of media replacements, media disposal, media changeout labor, and ownership labor. At the targeted 20 ppb arsenic concentration, this value is roughly **\$3,860,000**. At 11 ppb arsenic, the highest concentration on the supplied water quality, this value is roughly **\$2,690,000**.

In an email Civiltec sent us on 30 September 2024, the client requested davit arms for the top manway in the style of the following picture:



This design appears to have the entire head of the vessel be removable and is not feasible for a 12' diameter vessel. It is possible we can accommodate some other form of davit on

the top manway at time of submittals but costs for it were not able to be incorporated so close to the required submission time. We note that the side manway is daviged.

The following items are not included in the De Nora package:

- BABA or AIS certification of equipment
- Receiving, unloading, storing and installation of De Nora supplied equipment
- Concrete foundations for vessels, building/architectural work and engineering thereof
- Anchor bolts for adsorber vessel or mechanical equipment
- Interconnecting piping or piping supports including flanges, bolts, nuts and gaskets, and engineering thereof, outside the boundary of the piping on the adsorber vessels.
- Impulse tubing for DP switches for adsorbers
- Electrical starters, transformers, circuit breakers, VFDS, motor control center, and engineering thereof.
- Conduit and wire to all devices.
- Mounting brackets for transmitters
- Heat trace and insulation for freeze protection of pipe and instruments
- Water supply/disposal for flushing of adsorber internals
- Performance testing; collection of samples and lab analysis
- Spare parts
- Any provisions required to produce a backwash flow of 1240 gpm (for approximately 12 minutes) which is required for the adsorber backwash. This flow may be provided from backflowing from the distribution system or a separate potable water connection can be provided. Pressure regulation of this water to approximately 25 psig with pressure relief for backwashing, if required, is by others. Final pressure rating will be based on the actual line pressure of the system and piping layout, which must still be confirmed.
- Backwash water storage and/or disposal - Assumes backwash waste will be disposed of to the sanitary sewer or to a backwash reclaim tank seen on Process Flow Diagram of the RFP; this backwash reclaim tank is not included in the De Nora package.
- pH adjustment or readjustment equipment.
- Chlorine disinfection equipment.
- Containment area and safety equipment (i.e.; eyewash and safety showers) for chemical storage and feed system
- Storage of chemicals (assume totes will be used for storage)
- Chemicals

De Nora will provide 3 operation and maintenance manuals in final form.

7.0 PRICE AND PAYMENT SCHEDULE

De Nora will deliver the equipment, materials and service described herein for a lump sum of **\$1,280,000** including freight, but no taxes.

Pricing is valid for 90 days.



Water Levels as of October 31, 2024

Listed below are the water levels in the Baldwin Park Key Well and Wells owned and operated by San Gabriel County Water District.

The Baldwin Park Key Well is located in the central portion of the San Gabriel Valley within the City of Baldwin Park and is used by the Main San Gabriel Basin Watermaster to monitor changes in the groundwater supply for the Basin. Each vertical foot is equivalent to about 8,000 acre-feet of groundwater in the Main Basin. The Key Well elevation is measured at sea level.

	<u>OCTOBER 2023</u>	<u>OCTOBER 2024</u>
Baldwin Park Key Well	227.5	244.7

Reservoir Storage in the San Gabriel Canyon:

Cogswell Reservoir	10,475 acre-feet
San Gabriel Reservoir	44,044 acre-feet
Morris Reservoir	28,735 acre-feet
Total Storage Capacity	83,255 acre-feet

As of October 29, 2024 combined storage was 12,966 acre-feet (16 percent of capacity)

San Gabriel County Water District:

Listed below are water levels measured at static and pumping and pump depth.

	<u>2023</u>	<u>2023</u>	<u>2024</u>	<u>2024</u>	
	STATIC	PUMPING	STATIC	PUMPING	PUMP DEPTH
<u>Raymond Basin</u>					
Well #16	286.5	382.5	279	367	423
<u>Main San Gabriel Basin</u>					
Well #9	288.5	390.5	282	402	471
Well #11	219	337	212	NM	483
Well #12	212	231.5	209	NM	380
Well #14	182.5	269	172.5	265.5	381
Well #15	368	406	360	402	650