



AGENDA

REGULAR MEETING OF THE BOARD OF DIRECTORS LA PUENTE VALLEY COUNTY WATER DISTRICT 112 N. FIRST STREET, LA PUENTE, CALIFORNIA MONDAY, SEPTEMBER 14, 2026, AT 4:30 PM

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL OF BOARD OF DIRECTORS

President Barajas____ Vice President Hernandez____ Director Rojas____
Director Argudo____ Director Escalera____

4. PUBLIC COMMENT

Anyone wishing to discuss items on the agenda or pertaining to the District may do so now. The Board may allow additional input during the meeting. A five-minute limit on remarks is requested.

5. ADOPTION OF AGENDA

Each item on the Agenda shall be deemed to include an appropriate motion, resolution or ordinance to take action on any item. 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 the address listed above.

6. APPROVAL OF CONSENT CALENDAR

There will be no separate discussion of Consent Calendar items as they are considered to be routine by the Board of Directors and will be adopted by one motion. If a member of the Board, staff, or public requests discussion on a particular item, that item will be removed from the Consent Calendar and considered separately.

- A. Approval of Minutes of the Regular Meeting of the Board of Directors held on August 24, 2026.
- B. Receive and File PVOU-IZ Monthly Operations Reports for July 2026.
- C. Receive and File PVOU-SZ Monthly Operations Reports for July 2026.
- D. Approval of District's Expenses for the Month of August 2026.
- E. Approval of Industry Public Utilities Water System Expenses for the Month of August 2026.
- F. Receive and File the District's Water Sales for August 2026.

- G. Receive and File the City of Industry Waterworks System's Water Sales Report for August 2026.

7. PRESENTATION BY THE GENERAL MANAGER ON THE CALIFORNIA EMPLOYERS' PENSION PREFUNDING TRUST (CEPPT)

8. ACTION / DISCUSSION ITEMS

- A. Consideration to Rehabilitate the Industry Public Utilities Waterworks Systems' Pump Station No. 3 Booster No. 3.

Recommendation: Authorize the General Manager to Proceed with the Work as Proposed by Tri-County Pump Company for \$49,765.40.

- B. Consideration of Award of Contract for General Engineering Services for Water Treatment System Optimization, Technical Review, and Operational Support for the PVOU-IZ and SZ Treatment Facilities.

Recommendation: Authorize the General Manager to Enter Into an Agreement with Trussell Technologies, Inc. for Professional Engineering Services to Support the PVOU-IZ and SZ Treatment Facilities, for a Not-to-Exceed Annual Amount of \$442,545.00.

- C. Consideration of Change Order Request from Civiltec Engineering, Inc. for the BPOU UV Treatment Feasibility Study.

Recommendation: Authorize the General Manager to Proceed with the Change Order Request for a Not-to-Exceed Amount of \$69,755.00.

9. OPERATIONS AND TREATMENT REPORT

Recommendation: Receive and File.

10. ADMINISTRATIVE REPORT

11. GENERAL MANAGER'S REPORT

12. OTHER ITEMS

- A. Upcoming Events.
- B. Information Items.

13. ATTORNEY'S COMMENTS

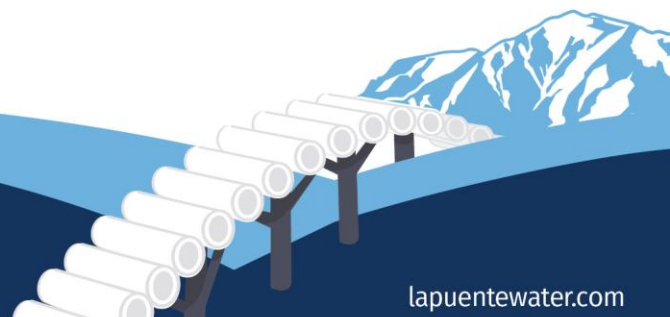
14. BOARD MEMBER COMMENTS

- A. Report on Events Attended.
- B. Other Comments.

15. FUTURE AGENDA ITEMS

16. ADJOURNMENT

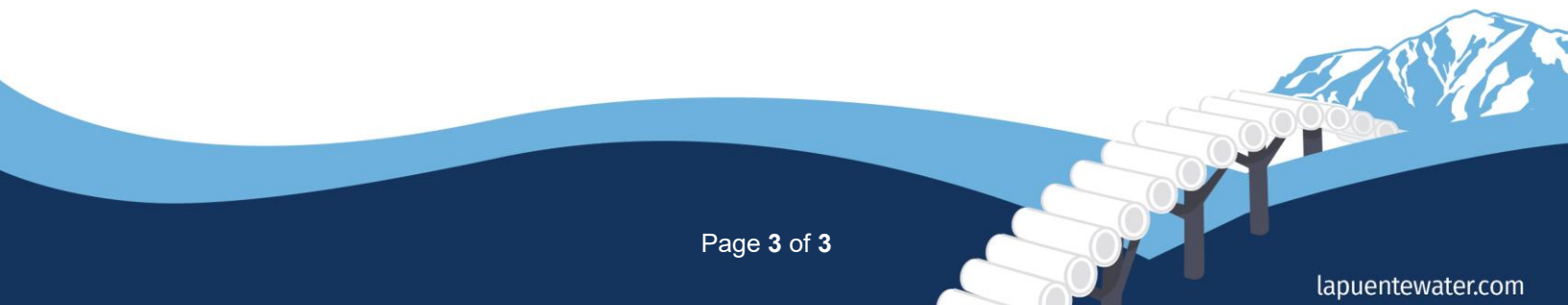
POSTED: September 10, 2026.



President Cesar J. Barajas, Presiding.

Any qualified person with a disability may request a disability-related accommodation as needed to participate fully in this public meeting. In order to make such a request, please contact Mr. Roy Frausto, Board Secretary, at (626) 330-2126 in sufficient time prior to the meeting to make the necessary arrangements.

Note: Agenda materials are available for public inspection at the District office or visit the District's website at www.lapuentewater.com.





MINUTES

**REGULAR MEETING OF THE BOARD OF DIRECTORS
LA PUENTE VALLEY COUNTY WATER DISTRICT
112 N. FIRST STREET, LA PUENTE, CALIFORNIA
MONDAY, AUGUST 24, 2026, AT 4:30 PM**

1. CALL TO ORDER

President Barajas called the meeting to order at 4:30 pm.

2. PLEDGE OF ALLEGIANCE

President Barajas led the Pledge of Allegiance.

3. ROLL CALL OF BOARD OF DIRECTORS

President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Present	Present	Present	Absent	Absent

OTHERS PRESENT

Staff and Counsel: General Manager & Board Secretary, Roy Frausto; Customer Service & Accounting Supervisor, Shaunte Maldonado; Compliance and Project Engineer, Alyssa Arana, Operations and Treatment Superintendent, Cesar Ortiz and District Counsel, Jim Ciampa were present.

4. PUBLIC COMMENT

WQA Representative Valerie Munoz was present and greeted the Board. Resident, Georgene Navarrete, was in attendance but did not make a comment.

5. ADOPTION OF AGENDA

Motion: Adopt the Agenda.

1st: Barajas

2nd: Rojas

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

6. APPROVAL OF CONSENT CALENDAR

Motion: Adopt the Consent Calendar.

1st: Barajas

2nd: Hernandez

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

7. FINANCIAL REPORTS

A. Summary of the District's Cash and Investments as of July 31, 2026.

Mr. Frausto provided a summary of the balances in each account and was available for any questions.

Motion: Receive and File.

1st: Rojas

2nd: Hernandez

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

B. Statement of District's Revenue and Expenses as of July 31, 2026

Ms. Maldonado provided a summary of the District's revenues and expenses and was available for any questions.

Motion: Receive and File.

1st: Rojas

2nd: Hernandez

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

C. Statement of the Industry Public Utilities Water Operations Revenue and Expenses as of July 31, 2026.

Ms. Maldonado provided a summary of the IPU revenues and expenses and was available for any questions.

Motion: Receive and File.

1st: Barajas

2nd: Rojas

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

8. ACTION / DISCUSSION ITEMS

A. Consideration of Resolution No. 321 in Support of the Association of California Water Agencies (ACWA) Vision for Our Water Future.

Mr. Frausto presented the staff report on this item and was available for any questions.

Motion: Authorize the General Manager to Adopt Resolution No. 321 Supporting the Association of California Water Agencies (ACWA) Vision for Our Water Future.

1st: Rojas

2nd: Barajas

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

B. Consideration of Approval of Emergency Management Part-Time Temporary Employee(s) Reimbursement and Fee Agreement with the Public Water Agencies Group (PWAG).

Mr. Frausto presented the staff report for this item and was available for any questions.

Motion: Approve the Agreement between the District and the Public Water Agencies Group and Authorize the General Manager to Execute the Agreement.

1st: Barajas

2nd: Rojas

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

C. Consideration of PVOU Intermediate Zone (IZ) Reverse Osmosis Membrane Replacement.

Mr. Frausto presented the staff report for this item and was available for any questions.

Motion: Authorize the General Manager to execute an agreement with Wigen Water Technologies in the amount of \$233,972.94 and take all actions necessary to complete the membrane replacement.

1st: Barajas

2nd: Rojas

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent.

9. ENGINEERING & COMPLIANCE REPORT

Ms. Alyssa Arana presented her report to the Board and was available for any questions.

Motion: Receive and File.

1st: Rojas

2nd: Barajas

	President Barajas	Vice President Hernandez	Director Rojas	Director Argudo	Director Escalera
Vote	Yes	Yes	Yes	Absent	Absent

Motion carried by a vote of: 3 Yes, 0 No, 0 Abstain, 2 Absent

10. GENERAL MANAGER'S REPORT

Mr. Frausto gave a detailed report on AQMD regulations and compliance procedures.

11. OTHER ITEMS

A. Upcoming Events.

Mr. Frausto went over the upcoming conferences with the Board.

B. Information Items.

None.

12. ATTORNEY'S COMMENTS

Mr. Ciampa gave a brief update BPOU negotiations and his attendance for the next few meetings.

13. BOARD MEMBER COMMENTS

A. Report on Events Attended.

None.

B. Other Comments.

None.

14. FUTURE AGENDA ITEMS

None.

15. ADJOURNMENT

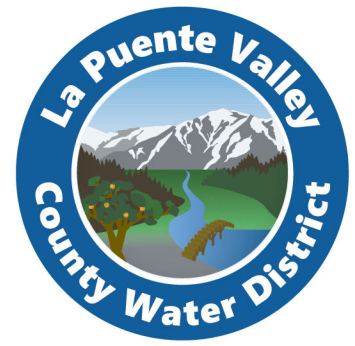
President Barajas adjourned the meeting at 5:15 pm.

Attest:

Cesar J. Barajas, Board President

Roy Frausto, Board Secretary

PVOU-IZ Operations Report



Date: August 25, 2026
To: Michael Shannon, Northrop Grumman Systems
Cc: Roy Frausto, General Manager
From: Davis To, Field Operations Engineer
Subject: PVOU-IZ Operations Monthly Report (July 2026)

In accordance with our Agreement for Operational Services of a Water Treatment Facility between Northrop Grumman Systems (the “NG”) and La Puente Valley County Water District (the “District”), the District is providing a monthly operations report for July 2026. The report represents operational information along with the current status of various items listed under the appropriate heading.

PVOU-IZ Plant Operations Snapshot

Production Well	Current Well Operations	Well GPM
IZ-1	INTERMITTENT	135
MZ-1	INTERMITTENT	240
IZ-2	OFFLINE	0
MZ-2	OFFLINE	0
MZ-3	INTERMITTENT	140
IZ-East	INTERMITTENT	390
IZ-West	INTERMITTENT	390
TOTAL COMBINED WELL GPM		1,295*

Treatment Component	Current Operations	Flow GPM
LGAC System	INTERMITTENT	1,430
SPIX System	INTERMITTENT	1,430
UV System	INTERMITTENT	1,430
RO System	INTERMITTENT	1,430

*Extraction Wells were operated in different combinations and flow rates during treatment plant operation to balance flow.



Is Treatment Plant in Normal Operation Yes / No	No	As of what date:	1/29/2026
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Brief description below:

On January 28, 2026, Stantec issued an e-mail stating that NG would be contacting the Regional Board to discuss the permitted discharge limits, as Total Petroleum Hydrocarbons (TPH) was not included in the amended permit issued back in August 2025. In the e-mail, Stantec indicated there is a reasonable chance that the IZ Treatment System could experience a TPH exceedance if operation continued into February 2026. Based on this concern, Stantec recommended shutting down the IZ Treatment System and discontinuing discharge under the NPDES until the applicable permit requirements were better understood.

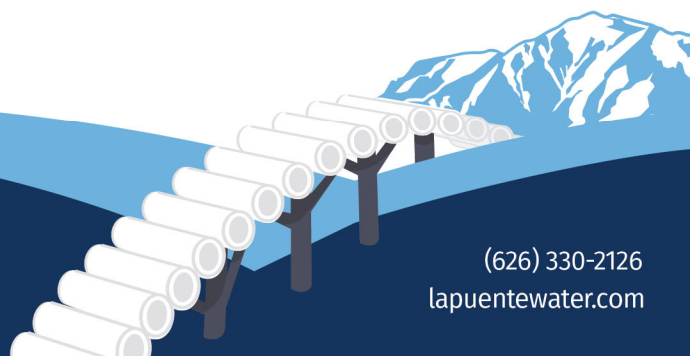
EPA held a discussion with the Regional Board and confirmed that the current permit does not include a TPH limit and that the exclusion was not an oversight. EPA and NG continue to coordinate regarding TPH and the appropriate path forward for the IZ Treatment System. The IZ TPH Work Plans remain under review, and responses to agency comments are being addressed.

The District discontinued normal continuous operation of the IZ Treatment System in February 2026. As of July 2026, the District continues to conduct system flushes, perform routine preventive maintenance activities, and complete weekly operational rounds to maintain the treatment equipment in a wet condition and verify that the system remains in proper condition.

The District is currently preparing for system restart and the resumption of normal operations, as discussed with the project team. Pending successful completion of NPDES pre-discharge sampling and receipt of acceptable analytical results, system startup is anticipated in September 2026.

Stantec has also directed the District to evaluate replacement of the GAC media in four (4) VOC removal vessels. The District completed an RFP process and recommended a selected vendor. The District is awaiting required approvals; however, implementation of the alternative media replacement is pending review of TPH monitoring well sampling results and subsequent discussions.

Stantec also directed the District to evaluate replacement of the membrane elements for all IZ RO Trains. The District prepared and issued an RFQ, with bids due at the end of July. The District is currently reviewing the submitted bids and will provide a recommendation for award and implementation.



Extraction Wells - Online	Treatment Plant – Online	Extraction Wells – Offline	Treatment Plant – Offline
21.6 Hours	20.5 Hours	722.4 Hours	723.5 Hours
0.90 Days	0.86 Days	30.10 Days	30.14 Days

Summary:

The IZ Treatment System remained out of normal continuous operation in July 2026. The District operated the system for system flushes, performed routine preventive maintenance activities, and completed weekly operational rounds to maintain the treatment equipment in a wet condition and verify that the system remains in proper condition.

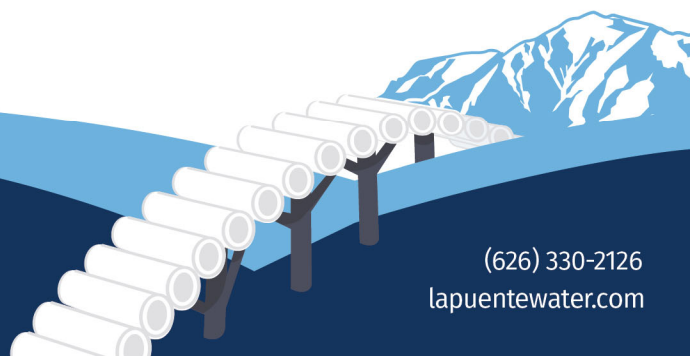
Permitting

- **SWRCB – DDW: LPVCWD Drinking Water Supply Permit Amendment**
 - EPA, NG, and the District met with DDW to provide an overall project update. The parties agreed that obtaining additional information regarding TPH would help inform the next steps before re-engaging with DDW and proceeding with the DDW 97-005 permitting process.

Supply and Production

- **PVOU-IZ Monthly Well Production/Total Water Extracted**

Well	Beginning Read 7/1/2026 (Kgals)	Ending Read 8/1/2026 (Kgals)	Units Produced (Kgals)	Production (Acre Feet)
IZ-1	397243	398972	1,729	0.53
MZ-1	468342	471433	3,091	0.95
IZ-2	16031	16031	0	0
MZ-2	534996	534996	0	0
MZ-3	724237	726042	1,805	0.55
IZ-East	1079537	1084460	4,923	1.51
IZ-West	880075	885126	5,051	1.55
Total IZ Production			16,599	5.09



- **PVOU-IZ Well Levels (Sounder)**

Well	Static Water Level (ft)	Pumping Water Level (ft)	Drawdown (ft)
IZ-1	51' 10"	-	-
MZ-1	48' 6"	-	-
IZ-2	47' 8"	-	-
MZ-2	45' 8"	-	-
MZ-3	40' 7"	-	-
IZ-East	57' 4"	-	-
IZ-West	51' 1"	-	-

- **PVOU-IZ Monthly Water Volume Processed**

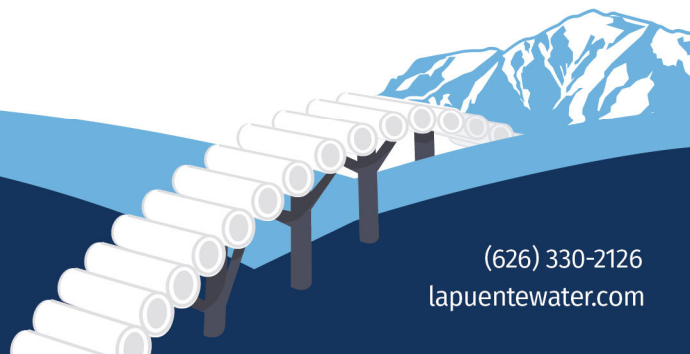
IZ-Raw Water Flow Meter	Timeframe	Total Flow (MG)
FQIT-1002	7/1/26 – 7/31/26	1.637

- **PVOU-IZ Monthly Metered Deliveries**

System	Beginning Read (Kgals)	Ending Read (Kgals)	Average GPM	Units Produced	Deliveries in Acre Feet
LPVCWD	0	0	0	0	0
SWS	0	0	0	0	0
CIWS	0	0	0	0	0
Surface Water	2,965,953	2,965,953	-	0	0
Total Deliveries				0	0

- **Total Production (Extraction Wells) Vs. Total Deliveries**

Total Production in Acre Feet	Total Deliveries in Acre Feet	Net Water Balance in Acre Feet
5.09	0	• - 5.09



- **Water Discharged to Waste/Brine Discharged (IZ & SZ)**

Wastewater Discharge Flow Meter	Beginning Read 7/1/2026 (Kgals)	Ending Read 8/1/2026 (Kgals)	Units Produced (Kgals)	Wastewater (Acre Feet)
*FQIT-3301	1,364,255	1,382,318	18,063	5.54

*Please note – The wastewater flow meter (FQIT-3301) total flow captures all wastewater from IZ & SZ operations that is discharged to the brine transmission line.

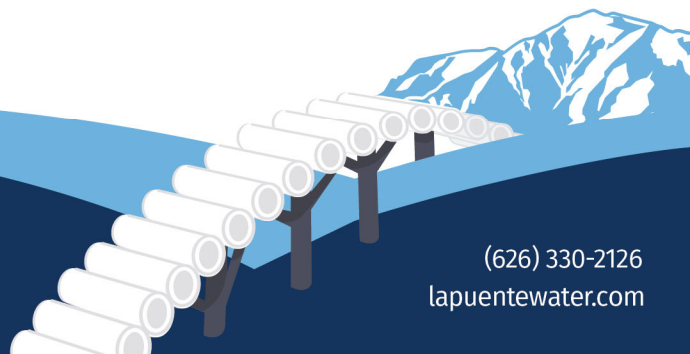
- **Chemicals Consumed**

Chemical Type	7/1/26 (Data from Round Sheets) - Gals.	7/31/26 (Data from Round Sheets) - Gals.	Total Consumed – Gals.
Sulfuric Acid (H ₂ SO ₄)	514	492	22
Hydrogen Peroxide (H ₂ O ₂)	2510	2430	80
*Sodium Bisulfite (NaHSO ₃)	315	315	0
Scale Inhibitor	327	323	4
Sodium Hydroxide (NaOH)	1014	1007	7
*Sodium Hypochlorite (NaOCl)	-	-	-

*Chemicals not used during July 2026.

Water Quality

- **IZ Drinking Water Monitoring (DDW)** – District Staff did not collect any DDW permit water quality samples from the IZ system for the month of July.
- **IZ Surface Water Discharge Monitoring (NPDES)** - District Staff did not collect any NPDES compliance samples from the IZ system for the month of July.
- **IZ Sewer Discharge Monitoring (LACSD)** - District Staff collected LACSD compliance samples from the IZ (& SZ-S) system for the month of July.
 - LACSD Surcharge – Bi-Weekly samples collected on July 7 & 22, 2026.
 Attachment A: Final Certificates of Analysis Reports of July 7 & 22, 2026, sample events
- **IZ Air Monitoring (SCAQMD)** - District Staff collected quarterly SCAQMD compliance samples from the IZ system for the month of July.
 - SCAQMD Quarterly samples collected on July 7 & 22, 2026.
 Attachment A: Chain of Custody (COC) Form from July 10, 2026, sample event. Final COA Report pending.
- **IZ Other Samples** – District Staff did not collect any other samples from the IZ System for the month of July.



Compliance Reporting

- **IZ Drinking Water Monitoring (DDW)** – District Staff submitted no DDW water quality reports pertaining to the PVOU-IZ during July.
- **IZ Surface Water Discharge Reporting (NPDES)** - District Staff submitted no NPDES water quality report pertaining to the PVOU-IZ (and SZ) during July.
- **IZ Sewer Discharge Reporting (LACSD)** - District Staff prepared semi-annual PVOU IZ & SZ Self-Monitoring Report (SMR) and provided it to Northrop Grumman for review and submittal through LACSD portal in July.

Repair/Replace/Optimization Activities

- **Repairs/Replacement Activities**
 - **Pressure Switch Replacement (PSH-2204-3)**
 - **Status:** Completed
 - **Targeted Completion:** July 2026

The District identified a fault with pressure switch PSH-2204-3 and determined the device had sustained water damage. The District set up a contractor to procure and install a replacement device. This work was scheduled in July following receiving the device and work was completed in July. See attached photo:



- **Multimedia Filters – Inlet Flow Meters #1 & 2**
 - **Status:** Completed
 - **Targeted Completion:** July 2026

The District identified flow meter register issues that were impacting Multimedia Filter (MMF) system operation. The District scheduled a contractor to troubleshoot the flow meters. The contractor was able to rectify the issue and both FIT-2000-1 & 2 registered expected values.

- **MZ-2 Extraction Well (Troubleshooting)**

- **Status:** In Progress
- **Targeted Completion:** July 2026

The MZ-2 Extraction Well lost communication during a flushing operation in April 2026. Troubleshooting identified issues with the VFD and feeder wiring between the control panel and well vault junction box. The District obtained competitive quotes, selected a contractor, and executed an agreement for the repairs.

In July 2026, the contractor returned to complete installation of components, programming, and testing. The programmer was unable to communicate with the plant SCADA system. The District has scheduled the site integration contractor to assist in August 2026.

- **Maintenance Work**

- Operate system to flush and maintain equipment – Gather operational data weekly to ensure system and equipment are functional.
- During flushes – inspect pumps, equipment, and tanks for proper operation and condition.
- Recalibrated water quality analyzers as needed.
- Verified chemical feed pump performance and calibration drawdown rates.
- Conducted monthly extraction well inspections and recorded flow totalizer readings.
- Tested and flushed eyewash stations and safety showers.
- Completed paint repairs at identified facility locations in response to EPA pre-certification inspection comments. See photos below:



- Inspected media filters, tubing, and associated components for clogs and analyzer issues.
- Replaced storage room rollup door belt.
- Repaired irrigation leaks at the PVOU site.

- **Housekeeping:**

- Performed routine housekeeping of treatment plant, containment areas, and chemical containment areas.
- Drained chemical containment areas following rain events.
- Organized and cleaned chemical and storage buildings.
- Cleaned analyzer flow cells and indicators throughout the treatment system.
- Verified site security and facility access controls.

- **Optimizations**

- Continued rotation of booster pumps and chemical feed pumps between duty and standby service to balance runtime and extend equipment life.
- Preventive Maintenance Program/Asset Management: Continued development and optimization of the preventive maintenance program Geoviewer, including updates to inspection frequencies, maintenance activities, and documentation for Intermediate Zone (IZ) treatment facilities.
- Preventive Maintenance Activity: Implemented monthly pH monitoring of RO CIP piping to monitor water associated with stagnant conditions and reduce the potential for piping corrosion.

Attachment B: IZ Inspections Table for July 2026 generated by Geoviewer

Upcoming Repair/Replace Activities

- **IZ LGAC Pre Filter 3500A/B**

- **Status:** In Progress
- **Targeted Completion:** December 2026

Stantec concurred with the District's recommendation to replace the existing pre-filter housing with a new stainless steel (SS) housing system as the most practical and cost-effective long-term solution. The District has executed a purchase order for the new SS housing system and selected a contractor for installation. In June 2026, the District approved the final dimensional drawings required to initiate fabrication. The housing system is currently in fabrication, with an estimated lead time of 18 to 20 weeks. Upon completion of fabrication, the new housing system will be delivered and installed.



- **IZ Analyzers Replacement (Phase II)**

- **Status:** In Progress
- **Targeted Completion:** October 2026

The District met with a HACH representative to evaluate replacement of existing ATI analyzers with HACH analyzers to improve analyzer reliability and support consolidation under a single service agreement. Phase I, consisting of AE/AIT-1001 and the Pre-RO Analyzer Panel, was completed in March 2026. The District continued coordination with the manufacturer and contractor to develop the Phase II scope and submitted the project approval request to NG in June 2026. The District received required approvals and moved forward with ordering materials. The District is working on contract execution with the selected electrical contractor for the removal, replacement, and startup of the new HACH analyzers.

- **VFD-1001A – Raw Water Booster Pump VFD Replacement**

- **Status:** In Progress
- **Targeted Completion:** October 2026

The District observed a VFD fault alarm for P-1001A on the SCADA system during operation. District staff performed initial troubleshooting; however, the alarm could not be cleared, and the raw water booster pump (P-1001A) was rendered inoperable. An electrical contractor was engaged to further evaluate the issue. The contractor initially identified the fault as a fan-related alarm and replaced the internal cooling fans; however, the alarm persisted following replacement.

Extensive troubleshooting efforts were conducted, which ultimately determined that the VFD had failed and is no longer functional, requiring full replacement. The District subsequently solicited quotes from three electrical contractors for the removal of the existing VFD and the procurement, installation, and programming of a new unit. The District received approval from NG/Stantec to proceed with the work. The District has executed an agreement with the contractor and set a completion date of October 2026 due to the lead time of the equipment.

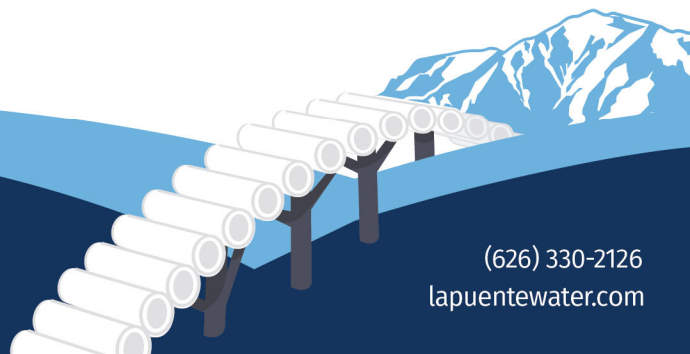
- **LGAC Media Changeout (4) Vessels – Bituminous Coal**

- **Status:** TBD, Pending Monitoring Well Sampling Results
- **Targeted Completion:** September 2026

Stantec provided direction to the District to evaluate the procurement of coal-based GAC replacement media for four (4) vessels within the GAC VOC removal system. The District developed and issued a Request for Proposals (RFP) to prospective bidders in June 2026. The District received proposals in July 2026 and following review and comparison of bids, recommended a vendor. The District is awaiting required approvals and monitoring well sample results.

- **MZ-3 Extraction Well Instrument Vault Drainage**

- **Status:** In Progress
- **Targeted Completion:** August 2026



The District identified that the MZ-3 instrument vault does not have a drainage connection to the well vault, unlike other extraction well sites. To improve drainage and reduce the potential for standing water accumulation, a drain pathway between the instrument vault and well vault would allow water to discharge to the well vault sump system for removal. The District continues discussions to address this issue.

- **Sodium Hydroxide Feed Line – Injection Box**

- **Status:** In Progress
- **Targeted Completion:** August 2026

The District identified that the sodium hydroxide injection box assembly continues to experience a minor leak into the containment box. The District continued to tighten components and eventually replaced the ball valve. Ball valve was ordered with appropriately rated gasket material for chemical.

- **RIO-2000 - Emergency Stop Switch**

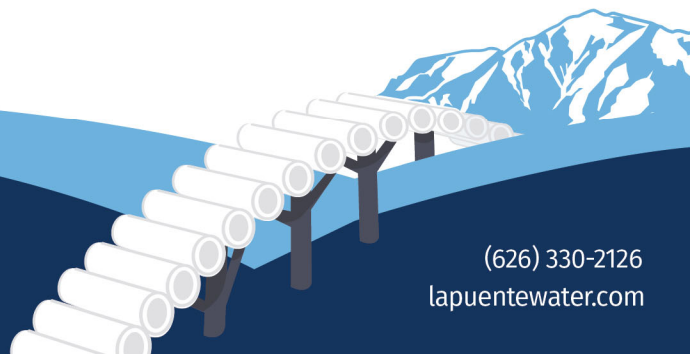
- **Status:** In Progress
- **Targeted Completion:** September 2026

The District received RIO-2000 emergency stop alarms periodically in July 2026. The associated alarm activates when the emergency stop switch is pressed. In this case, staff confirmed the switch was not pressed and it is believed that the contact card may need replacement. The District is currently assessing the required part for replacement.

- **Reverse Osmosis (RO) System Program Changes/Optimization –**

- **Status:** Placed on hold
- **Targeted Completion:** TBD

The District has been coordinating with Wigen (RO OEM) to evaluate control system enhancements, including RO train and multimedia filter rotation, automatic system flushing during offline conditions, and optimization of RO startup and shutdown sequences. The District previously received a proposal from Wigen for these programming modifications and has since discussed incorporating the programming updates into the upcoming RO preventive maintenance service contract. Implementation timing will be evaluated as part of future contract negotiations.



NG Requested Upgrades

- **Standard Operating Procedures (SOP) Development**

- **Status:** In Progress
- **Targeted Completion:** October 2026

The District is currently working with the engineering consultant to address the review comments and continues negotiations regarding a proposed change request to complete the remaining revisions. The District has negotiated and communicated the proposed change request for required approvals to complete the remainder of this task.

- **Eyewash and Safety Shower Stations**

- **Status:** In Progress
- **Targeted Completion:** TBD

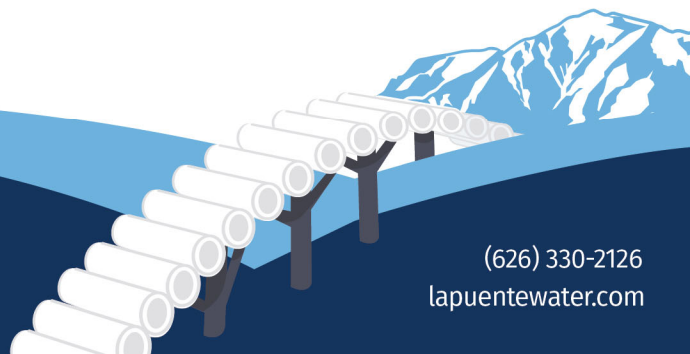
SCADA integration of new eyewash/safety shower stations and flow sensor installation will be led by NG. NG/Stantec is providing progress updates

Performance Contracts

- **Wigen Reverse Osmosis System (Preventive Maintenance)** – The District has executed the RO preventive maintenance quarterly service contracts with Wigen for the upcoming year in July 2026. The District is determining the schedule for the first service visit under the new contract.
- **Trojan UV/AOP System (Preventive Maintenance)** – The District has contracted with Trojan for assessment and preventive maintenance services on a quarterly basis for the PVOU Systems. Trojan is scheduled for their next service visit in August 2026.
- **HACH (Field Service Partnership)** – The District maintains a Field Service Partnership (FSP) agreement with HACH that provides annual preventive maintenance services, including parts, labor, and travel, for existing HACH instrumentation. The District has executed a purchase order for an FSP add-on of the recently installed HACH analyzer instrumentation.
- **Booster Pumps (Preventive Maintenance)** – The District has been in contact with pump companies that offer preventive maintenance (PM) services for PVOU's booster pumps. The District is evaluating the inspections and deliverables offered.

Outages

- Due to limited operation, there were no major outages reported in July 2026.

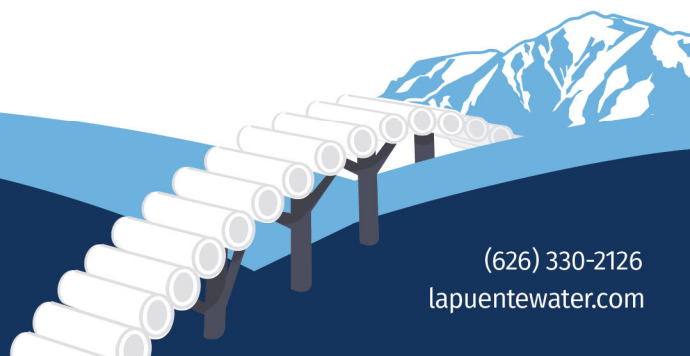


Capital Improvement Items

- **Secondary SWS Interconnection** – NG consultants provided an alternative conceptual design for this work. Alternative design was reviewed by LPVCWD and there was one key issue. The District provided a response with their stance via e-mail on June 10, 2025. Northrop Grumman provided a response with their stance via response letter dated July 2, 2025. Both teams agree to continue meeting and conferring in good faith to further discuss at a later time. The District prepared a memo to compare the cost of the secondary interconnection work to the potential alternative of purchasing replacement water based on scenario probabilities. The memo was distributed to NG on September 5, 2025, via e-mail for review and consideration.

Other

- **Internal District SOP Development** – The District continues to develop, refine, and implement internal SOPs in support of PVOU operations and maintenance activities.
- **Valley Alarm** – The District provided access and attended site walk with Stantec and Valley Alarm regarding the security upgrades.





ATTACHMENT A

Work Orders: 6F22021

Project: PVOU - LACSD Surcharge - Bi-Weekly

Attn: Cesar Ortiz

Client: La Puente Valley County Water
P.O Box 3136; 112 N.First St.
La Puente, CA 91744

Report Date: 7/23/2026

Received Date: 7/7/2026

Turnaround Time: Normal

Phones: (626) 330-2126

Fax: (626) 330-2679

P.O. #:

Billing Code:

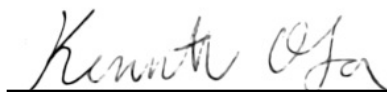
EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Results are related only to the items tested. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.

Dear Cesar Ortiz,

Enclosed are the analytical results for the samples submitted under the attached Chain of Custody document. All analyses adhered to the method criteria, except where noted in the case narrative, sample condition checklist, and/or data qualifiers.

Reviewed by:



Kenneth C. Oda For Valerie I. Ayo
Project Manager



Project Number: PVOU - LACSD Surcharge - Bi-Weekly

Reported:
07/23/2026 13:28

Project Manager: Cesar Ortiz

Sample Condition

Temperature	11.90 C	
COC present	✓	COC completed properly ✓
COC matches sample labels	✓	Wet ice
Blue ice	✓	Sample(s) intact ✓
Sample(s) using proper containers	✓	Sample(s) have sufficient sample volume ✓
Sample(s) received within hold time	✓	Sample(s) labels have correct preservation ✓
Sample(s) have acceptable pH	✓	Sample(s) have acceptable Cl

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SP-3301 (22237- PVOU- IZ & SZ South)	Jordan Navarro	6F22021-01	Water	07/07/26 11:24	

Sample Results

Sample: SP-3301 (22237- PVOU- IZ & SZ South)

Sampled: 07/07/26 11:24 by Jordan Navarro

6F22021-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: EPA 410.4				Instr: UVVIS05			
Batch ID: W6G0723		Preparation: _NONE (WETCHEM)		Prepared: 07/10/26 18:44		Analyst: rob	
Chemical Oxygen Demand	ND	2.9	5.0	mg/l	1	07/16/26	
Method: SM 2540D				Instr: OVEN18			
Batch ID: W6G0350		Preparation: _NONE (WETCHEM)		Prepared: 07/07/26 15:18		Analyst: mes	
Total Suspended Solids	ND	5	5	mg/l	1	07/08/26	

Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6G0350 - SM 2540D											
Blank (W6G0350-BLK1)											
Total Suspended Solids	ND	5	5	mg/l							
LCS (W6G0350-BS1)											
Total Suspended Solids	60.0	5	5	mg/l	57.8		104	90-110			
Duplicate (W6G0350-DUP1)											
				Source: 6G06045-01		Prepared: 07/07/26 Analyzed: 07/08/26					
Total Suspended Solids	264	5	5	mg/l		252			5	10	
Batch: W6G0723 - EPA 410.4											
Blank (W6G0723-BLK1)											
Chemical Oxygen Demand	ND	2.9	5.0	mg/l							
LCS (W6G0723-BS1)											
Chemical Oxygen Demand	98.2	2.9	5.0	mg/l	100		98	90-110			
LCS (W6G0723-BS2)											
Chemical Oxygen Demand	1000	2.9	5.0	mg/l	1000		100	90-110			
Duplicate (W6G0723-DUP1)											
				Source: 6G06045-01		Prepared: 07/10/26 Analyzed: 07/16/26					
Chemical Oxygen Demand	1270	5.8	10	mg/l		1280			1	15	
Matrix Spike (W6G0723-MS1)											
				Source: 6F22021-01		Prepared: 07/10/26 Analyzed: 07/16/26					
Chemical Oxygen Demand	199	12	20	mg/l	200	ND	99	90-110			
Matrix Spike (W6G0723-MS2)											
				Source: 6G06045-01		Prepared: 07/10/26 Analyzed: 07/16/26					
Chemical Oxygen Demand	3250	12	20	mg/l	2000	1280	99	90-110			
Matrix Spike Dup (W6G0723-MSD1)											
				Source: 6F22021-01		Prepared: 07/10/26 Analyzed: 07/16/26					
Chemical Oxygen Demand	192	12	20	mg/l	200	ND	96	90-110	3	15	
Matrix Spike Dup (W6G0723-MSD2)											
				Source: 6G06045-01		Prepared: 07/10/26 Analyzed: 07/16/26					
Chemical Oxygen Demand	3200	12	20	mg/l	2000	1280	96	90-110	1	15	

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Work Orders: 6G13020

Project: LACSD Bi-Monthly

Attn: Cesar Ortiz

Client: La Puente Valley County Water
P.O Box 3136; 112 N.First St.
La Puente, CA 91744

Report Date: 8/04/2026

Received Date: 7/22/2026

Turnaround Time: Normal

Phones: (626) 330-2126

Fax: (626) 330-2679

P.O. #:

Billing Code:

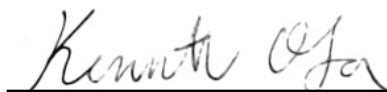
EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Results are related only to the items tested. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.

Dear Cesar Ortiz,

Enclosed are the analytical results for the samples submitted under the attached Chain of Custody document. All analyses adhered to the method criteria, except where noted in the case narrative, sample condition checklist, and/or data qualifiers.

Reviewed by:



Kenneth C. Oda For Valerie I. Ayo
Project Manager



Project Number: LACSD Bi-Monthly

Project Manager: Cesar Ortiz

Reported:
08/04/2026 15:42

Sample Condition

Temperature	25.50 C	
COC present	✓ COC completed properly	✓
COC matches sample labels	✓ Wet ice	✓
Blue ice	Sample(s) intact	✓
Sample(s) using proper containers	✓ Sample(s) have sufficient sample volume	✓
Sample(s) received within hold time	✓ Sample(s) labels have correct preservation	✓
Sample(s) have acceptable pH	✓ Sample(s) have acceptable CI	

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SP-3301 (22237- PVOU- IZ & SZ South)	Jordan Navarro	6G13020-01	Water	07/22/26 10:30	

Sample Results

Sample: SP-3301 (22237- PVOU- IZ & SZ South)

Sampled: 07/22/26 10:30 by Jordan Navarro

6G13020-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: EPA 410.4				Instr: UVVIS05			
Batch ID: W6G1723		Preparation: _NONE (WETCHEM)		Prepared: 07/24/26 13:00		Analyst: rob	
Chemical Oxygen Demand	ND	2.9	5.0	mg/l	1	07/27/26	
Method: SM 2540D				Instr: OVEN18			
Batch ID: W6G1608		Preparation: _NONE (WETCHEM)		Prepared: 07/23/26 10:17		Analyst: mes	
Total Suspended Solids	ND	5	5	mg/l	1	07/23/26	

La Puente Valley County Water
P.O Box 3136; 112 N.First St.
La Puente, CA 91744

Project Number: LACSD Bi-Monthly

Reported:
08/04/2026 15:42

Project Manager: Cesar Ortiz

Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W6G1608 - SM 2540D										
Blank (W6G1608-BLK1)					Prepared & Analyzed: 07/23/26					
Total Suspended Solids	ND	5	5	mg/l						
LCS (W6G1608-BS1)					Prepared & Analyzed: 07/23/26					
Total Suspended Solids	72.8	5	5	mg/l	70.6	103	90-110			
Duplicate (W6G1608-DUP1)					Source: 6G21074-01 Prepared & Analyzed: 07/23/26					
Total Suspended Solids	691	5	5	mg/l		691		0	10	
Batch: W6G1723 - EPA 410.4										
Blank (W6G1723-BLK1)					Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	ND	2.9	5.0	mg/l						
LCS (W6G1723-BS1)					Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	97.5	2.9	5.0	mg/l	100	97	90-110			
LCS (W6G1723-BS2)					Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	1000	2.9	5.0	mg/l	1000	100	90-110			
Duplicate (W6G1723-DUP1)					Source: 6G16084-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	2830	5.8	10	mg/l		2900		2	15	
Matrix Spike (W6G1723-MS1)					Source: 6G13020-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	200	12	20	mg/l	200	ND	100 90-110			
Matrix Spike (W6G1723-MS2)					Source: 6G21026-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	2420	12	20	mg/l	2000	472	97 90-110			
Matrix Spike Dup (W6G1723-MSD1)					Source: 6G13020-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	192	12	20	mg/l	200	ND	96 90-110	4	15	
Matrix Spike Dup (W6G1723-MSD2)					Source: 6G21026-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	2420	12	20	mg/l	2000	472	97 90-110	0	15	

Project Number: LACSD Bi-Monthly

Project Manager: Cesar Ortiz

Reported:
08/04/2026 15:42

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.



GG07012

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Page 2 Of

Page 2 Of

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ATTACHMENT B

All PVOU IZ Inspections - Completed

From: 07/01/2026 00:00:00 To: 07/31/2026 23:59:59



Total - 284

PROCESS NAME	PARENT ASSET	TAG ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Integrity	07/01/2026 01:26 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Integrity	07/01/2026 01:26 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-1051	Calibration cylinder for Sulfuric Acid	Clean Calibration Column	07/01/2026 01:27 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Integrity	07/01/2026 01:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Connections And Fittings	07/01/2026 01:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Connections And Fittings	07/01/2026 01:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Connections And Fittings	07/01/2026 01:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-2644-1	Calibration column for P-2650-1	Clean Calibration Column	07/01/2026 01:27 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Integrity	07/01/2026 01:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Connections And Fittings	07/01/2026 01:28 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Check For Leaks	07/01/2026 01:28 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Inspect Vessel Air Release Valves	07/01/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Inspect Vessel Air Release Valves	07/01/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Check For Leaks	07/01/2026 01:29 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Inspect Vessel Air Release Valves	07/01/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Check For Leaks	07/01/2026 01:29 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Inspect Vessel Air Release Valves	07/01/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Check For Leaks	07/01/2026 01:29 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Check For Leaks	07/01/2026 01:29 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Inspect Vessel Air Release Valves	07/01/2026 01:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Check For Leaks	07/01/2026 01:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Inspect Vessel Air Release Valves	07/01/2026 01:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Check For Leaks	07/01/2026 01:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Inspect Vessel Air Release Valves	07/01/2026 01:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Check For Leaks	07/01/2026 01:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Check For Leaks	07/01/2026 01:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Inspect Vessel Air Release Valves	07/01/2026 01:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Check For Leaks	07/01/2026 01:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Inspect Vessel Air Release Valves	07/01/2026 01:31 PM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/01/2026 01:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Inspect Vessel Air Release Valves	07/01/2026 01:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Inspect Vessel Air Release Valves	07/01/2026 01:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-3	LPGAC 1100B-3	LPGAC Vessel B-3	Check For Leaks	07/01/2026 01:31 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-3	LPGAC 1100B-3	LPGAC Vessel B-3	Inspect Vessel Air Release Valves	07/01/2026 01:31 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Inspect Vessel Air Release Valves	07/01/2026 01:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Check For Leaks	07/01/2026 01:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Inspect Vessel Air Release Valves	07/01/2026 01:32 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/01/2026 01:36 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Check For Leaks	07/01/2026 01:36 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Check For Leaks	07/01/2026 01:36 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500A	Cartridge filter (10 micron) vessel A	Check For Leaks	07/01/2026 01:36 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500A	Cartridge filter (10 micron) vessel A	Inspect Vessel Air Release Valves	07/01/2026 01:37 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500B	Cartridge filter (10 micron) vessel B	Check For Leaks	07/01/2026 01:37 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500B	Cartridge filter (10 micron) vessel B	Inspect Vessel Air Release Valves	07/01/2026 01:37 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/01/2026 01:37 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/01/2026 01:37 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-3	LPGAC 1100A-3	LPGAC Vessel A-3	Check For Leaks	07/01/2026 01:37 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-3	LPGAC 1100A-3	LPGAC Vessel A-3	Inspect Vessel Air Release Valves	07/01/2026 01:37 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	Decarbonator System	D-2300	Decarbonator	Inspect Blower For Debris In The Air Filter	07/01/2026 02:11 PM	Inspected	Good		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-3	Horizontal Cartridge Filter No. 3	Check For Leaks	07/01/2026 02:11 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-4	Horizontal Cartridge Filter No. 4	Check For Leaks	07/01/2026 02:11 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-1	Horizontal Cartridge Filter No. 1	Check For Leaks	07/01/2026 02:12 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-2	Horizontal Cartridge Filter No. 2	Check For Leaks	07/01/2026 02:12 PM	Checked	Excellent		jnavarro	Weekly
Sodium Bisulfite System	Chemicals	CC-1701	Calibration cylinder for Sodium Bisulfate	Clean Calibration Column	07/01/2026 02:14 PM	Asset Needs Repair	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 A	Sodium Hypochlorite Tank	Inspect Tank Connections And Fittings	07/01/2026 02:14 PM	Inspected	Excellent		jnavarro	Weekly
Caustic Soda System	Chemicals	T-2600	Sodium Hydroxide Storage Tank	Inspect Tank Integrity	07/01/2026 02:14 PM	Inspected	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3004	Treated Water Nitrate	Check Calibration	07/01/2026 02:14 PM	Checked	Excellent		jnavarro	Weekly
Caustic Soda System	Chemicals	T-2600	Sodium Hydroxide Storage Tank	Inspect Tank Connections And Fittings	07/01/2026 02:14 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 A	Sodium Hypochlorite Tank	Inspect Tank Integrity	07/01/2026 02:14 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 B	Sodium Hypochlorite Tank	Inspect Tank Connections And Fittings	07/01/2026 02:15 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 B	Sodium Hypochlorite Tank	Inspect Tank Integrity	07/01/2026 02:15 PM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Sodium Hypochlorite System	Chemicals	PIT-3201-1	Pump Discharge Pressure, Pumps A-1 and B-1	Calibrate Probes	07/01/2026 02:15 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 1 (Train 1 & 2)	RO Skid 1 - Train 1	BFV-2251-1	RO Train 1 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/01/2026 02:16 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 2 (Trains 3 & 4)	RO Skid 2 - Train 3	BFV-2251-3	RO Train 3 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/01/2026 02:16 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 1 (Train 1 & 2)	RO Skid 1 - Train 2	BFV-2251-2	RO Train 2 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight	07/01/2026 02:16 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 2 (Trains 3 & 4)	RO Skid 2 - Train 4	BFV-2251-4	RO Train 4 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/01/2026 02:17 PM	Checked	Excellent		jnavarro	Weekly
Decarbonator System	Decarbonator System	B-2320	Decarbonator Blower	Inspect Blower For Debris In The Air Filter	07/01/2026 02:18 PM	Inspected	Excellent		jnavarro	Weekly
EQ Tank and Raw Water Booster Pumps	EQ Tank and Raw Water Booster Pumps	AE/AIT-1001	pH - T-1000 effluent. Downstream of cartridge filter	Check Calibration	07/01/2026 02:18 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Check Calibration	07/01/2026 02:19 PM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2145	RO System Feed pH	Check Calibration	07/01/2026 02:19 PM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2155	RO System Feed ORP	Check Calibration	07/01/2026 02:20 PM	Checked	Excellent		jnavarro	Weekly
Clearwell and Treatment Water Pumps	Clearwell and Treatment Water Pumps	AE/AIT-3001	Treated Water pH	Check Calibration	07/01/2026 02:20 PM	Checked	Excellent		jnavarro	Weekly
Clearwell and Treatment Water Pumps		AE/AIT-3002	Treated Water Conductivity	Check Calibration	07/01/2026 02:20 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3003	Treated Water Chlorine	Check Calibration	07/01/2026 02:20 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water	AE/AIT-3004	Treated Water Nitrate	Check Calibration	07/01/2026 02:20 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
	Pumps									
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Integrity	07/09/2026 12:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Integrity	07/09/2026 12:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-1051	Calibration cylinder for Sulfuric Acid	Clean Calibration Column	07/09/2026 12:27 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Connections And Fittings	07/09/2026 12:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Connections And Fittings	07/09/2026 12:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-2644-1	Calibration column for P-2650-1	Clean Calibration Column	07/09/2026 12:28 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Integrity	07/09/2026 12:28 PM	Inspected	Excellent	Sprayed protective coating on anchors of feet 7/7/26	jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Connections And Fittings	07/09/2026 12:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Integrity	07/09/2026 12:29 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Connections And Fittings	07/09/2026 12:29 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	P-2650-1	Sodium Hydroxide Pump 2650-1	Check For Leaks	07/09/2026 12:29 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Chemicals	P-2650-2	Sodium Hydroxide Pump 2650-2	Check For Leaks	07/09/2026 12:29 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Check For Leaks	07/09/2026 12:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Check For Leaks	07/09/2026 12:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Check For Leaks	07/09/2026 12:30 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Inspect Vessel Air Release Valves	07/09/2026 12:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Inspect Vessel Air Release Valves	07/09/2026 12:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Check For Leaks	07/09/2026 12:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Inspect Vessel Air Release Valves	07/09/2026 12:30 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Check For Leaks	07/09/2026 12:31 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Inspect Vessel Air Release Valves	07/09/2026 12:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Inspect Vessel Air Release Valves	07/09/2026 12:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Inspect Vessel Air Release Valves	07/09/2026 12:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Check For Leaks	07/09/2026 12:31 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Inspect Vessel Air Release Valves	07/09/2026 12:31 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Check For Leaks	07/09/2026 12:31 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Check For Leaks	07/09/2026 12:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Inspect Vessel Air Release Valves	07/09/2026 12:32 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Check For Leaks	07/09/2026 12:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/09/2026 12:32 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Inspect Vessel Air Release Valves	07/09/2026 12:32 PM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Inspect Vessel Air Release Valves	07/09/2026 12:32 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Check For Leaks	07/09/2026 12:32 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Check For Leaks	07/09/2026 12:33 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Inspect Vessel Air Release Valves	07/09/2026 12:33 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/09/2026 12:33 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Inspect Vessel Air Release Valves	07/09/2026 12:33 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Inspect Vessel Air Release Valves	07/09/2026 12:34 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-3	LPGAC 1100B-3	LPGAC Vessel B-3	Check For Leaks	07/09/2026 12:34 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-3	LPGAC 1100B-3	LPGAC Vessel B-3	Inspect Vessel Air Release Valves	07/09/2026 12:34 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-3	LPGAC 1100A-3	LPGAC Vessel A-3	Inspect Vessel Air Release Valves	07/09/2026 12:34 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-3	LPGAC 1100A-3	LPGAC Vessel A-3	Check For Leaks	07/09/2026 12:34 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/09/2026 12:34 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/09/2026 12:35 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500B	Cartridge filter (10 micron) vessel B	Inspect Vessel Air Release Valves	07/09/2026 12:35 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500B	Cartridge filter (10 micron) vessel B	Check For Leaks	07/09/2026 12:35 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500A	Cartridge filter (10 micron) vessel A	Inspect Vessel Air Release Valves	07/09/2026 12:35 PM	Inspected	Good		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Initial Cartridge Filters	F-3500A	Cartridge filter (10 micron) vessel A	Check For Leaks	07/09/2026 12:35 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Check For Leaks	07/09/2026 12:35 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Check For Leaks	07/09/2026 12:35 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	Decarbonator System	D-2300	Decarbonator	Inspect Blower For Debris In The Air Filter	07/09/2026 01:17 PM	Inspected	Good		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-2	Horizontal Cartridge Filter No. 2	Check For Leaks	07/09/2026 01:17 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-3	Horizontal Cartridge Filter No. 3	Check For Leaks	07/09/2026 01:18 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-1	Horizontal Cartridge Filter No. 1	Check For Leaks	07/09/2026 01:18 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-4	Horizontal Cartridge Filter No. 4	Check For Leaks	07/09/2026 01:18 PM	Checked	Excellent		jnavarro	Weekly
EQ Tank and Raw Water Booster Pumps	EQ Tank and Raw Water Booster Pumps	AE/AIT-1001	pH - T-1000 effluent. Downstream of cartridge filter	Check Calibration	07/09/2026 01:19 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Check Calibration	07/09/2026 01:19 PM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2145	RO System Feed pH	Check Calibration	07/09/2026 01:19 PM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2150	RO System Feed Conductivity	Check Calibration	07/09/2026 01:19 PM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2155	RO System Feed ORP	Check Calibration	07/09/2026 01:19 PM	Checked	Excellent		jnavarro	Weekly
Clearwell and Treatment Water Pumps	Clearwell and Treatment Water Pumps	AE/AIT-3001	Treated Water pH	Check Calibration	07/09/2026 01:19 PM	Checked	Excellent		jnavarro	Weekly
Clearwell and Treatment Water Pumps		AE/AIT-3002	Treated Water Conductivity	Check Calibration	07/09/2026 01:20 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3003	Treated Water Chlorine	Check Calibration	07/09/2026 01:20 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3004	Treated Water Nitrate	Check Calibration	07/09/2026 01:20 PM	Checked	Excellent		jnavarro	Weekly
Sodium Bisulfite System	Chemicals	CC-1701	Calibration cylinder for Sodium Bisulfate	Clean Calibration Column	07/09/2026 01:21 PM	Checked	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 B	Sodium Hypochlorite Tank	Inspect Tank Integrity	07/09/2026 01:21 PM	Inspected	Excellent		jnavarro	Weekly
Caustic Soda System	Chemicals	T-2600	Sodium Hydroxide Storage Tank	Inspect Tank Connections And Fittings	07/09/2026 01:21 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 B	Sodium Hypochlorite Tank	Inspect Tank Connections And Fittings	07/09/2026 01:21 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 A	Sodium Hypochlorite Tank	Inspect Tank Connections And Fittings	07/09/2026 01:21 PM	Inspected	Excellent		jnavarro	Weekly
Caustic Soda System	Chemicals	T-2600	Sodium Hydroxide Storage Tank	Inspect Tank Integrity	07/09/2026 01:21 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 A	Sodium Hypochlorite Tank	Inspect Tank Integrity	07/09/2026 01:22 PM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	PIT-3201-1	Pump Discharge Pressure, Pumps A-1 and B-1	Calibrate Probes	07/09/2026 01:22 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 2 (Trains 3 & 4)	RO Skid 2 - Train 3	BFV-2251-3	RO Train 3 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/09/2026 01:22 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 1 (Train 1 & 2)	RO Skid 1 - Train 1	BFV-2251-1	RO Train 1 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/09/2026 01:22 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 1 (Train 1 & 2)	RO Skid 1 - Train 2	BFV-2251-2	RO Train 2 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight	07/09/2026 01:22 PM	Checked	Excellent		jnavarro	Weekly
RO Skid 2 (Trains 3 & 4)	RO Skid 2 - Train 4	BFV-2251-4	RO Train 4 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/09/2026 01:23 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Decarbonator System	Decarbonator System	B-2320	Decarbonator Blower	Inspect Blower For Debris In The Air Filter	07/09/2026 01:23 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	P-2650-2	Sodium Hydroxide Pump 2650-2	Check For Leaks	07/15/2026 08:32 AM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	P-2650-1	Sodium Hydroxide Pump 2650-1	Check For Leaks	07/15/2026 08:32 AM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Connections And Fittings	07/15/2026 08:32 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Integrity	07/15/2026 08:32 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Connections And Fittings	07/15/2026 08:32 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Integrity	07/15/2026 08:32 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-2644-1	Calibration column for P-2650-1	Clean Calibration Column	07/15/2026 08:32 AM	Cleaned	Poor		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Connections And Fittings	07/15/2026 08:33 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Connections And Fittings	07/15/2026 08:33 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Integrity	07/15/2026 08:33 AM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-1051	Calibration cylinder for Sulfuric Acid	Clean Calibration Column	07/15/2026 08:33 AM	Cleaned	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Integrity	07/15/2026 08:33 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-3	LPGAC 1100A-3	LPGAC Vessel A-3	Inspect Vessel Air Release Valves	07/15/2026 08:34 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-3	LPGAC 1100A-3	LPGAC Vessel A-3	Check For Leaks	07/15/2026 08:34 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/15/2026 08:34 AM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/15/2026 08:35 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500B	Cartridge filter (10 micron) vessel B	Inspect Vessel Air Release Valves	07/15/2026 08:35 AM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500B	Cartridge filter (10 micron) vessel B	Check For Leaks	07/15/2026 08:35 AM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500A	Cartridge filter (10 micron) vessel A	Inspect Vessel Air Release Valves	07/15/2026 08:35 AM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Initial Cartridge Filters	F-3500A	Cartridge filter (10 micron) vessel A	Check For Leaks	07/15/2026 08:35 AM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Check For Leaks	07/15/2026 08:36 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Check For Leaks	07/15/2026 08:36 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-3	LPGAC 1100B-3	LPGAC Vessel B-3	Inspect Vessel Air Release Valves	07/15/2026 08:51 AM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-3	LPGAC 1100B-3	LPGAC Vessel B-3	Check For Leaks	07/15/2026 08:52 AM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Inspect Vessel Air Release Valves	07/15/2026 08:52 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Inspect Vessel Air Release Valves	07/15/2026 08:52 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/15/2026 08:52 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Inspect Vessel Air Release Valves	07/15/2026 08:52 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Check For Leaks	07/15/2026 08:52 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Check For Leaks	07/15/2026 08:52 AM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Inspect Vessel Air Release Valves	07/15/2026 08:52 AM	Inspected	Good		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Inspect Vessel Air Release Valves	07/15/2026 08:52 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/15/2026 08:52 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Check For Leaks	07/15/2026 08:52 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Check For Leaks	07/15/2026 08:53 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Check For Leaks	07/15/2026 08:53 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Check For Leaks	07/15/2026 08:53 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Check For Leaks	07/15/2026 08:53 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Check For Leaks	07/15/2026 08:53 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Inspect Vessel Air Release Valves	07/15/2026 08:53 AM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Inspect Vessel Air Release Valves	07/15/2026 08:54 AM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Check For Leaks	07/15/2026 08:54 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Check For Leaks	07/15/2026 08:54 AM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Check For Leaks	07/15/2026 08:54 AM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-4	Horizontal Cartridge Filter No. 4	Check For Leaks	07/15/2026 08:55 AM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-1	Horizontal Cartridge Filter No. 1	Check For Leaks	07/15/2026 08:55 AM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-3	Horizontal Cartridge Filter No. 3	Check For Leaks	07/15/2026 08:55 AM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO Cartridge Filters	F-2100-2	Horizontal Cartridge Filter No. 2	Check For Leaks	07/15/2026 08:55 AM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	Decarbonator System	D-2300	Decarbonator	Inspect Blower For Debris In The Air Filter	07/15/2026 08:55 AM	Inspected	Good		jnavarro	Weekly
Reverse Osmosis System	RO Skid 4 - Feed Pumps	P-2200-8	RO Feed Pump, P-2200-8	Inspect	07/15/2026 08:56 AM	Inspected	Good		jnavarro	Daily
Reverse Osmosis System	RO Skid 4 - Feed Pumps	P-2200-7	RO Feed Pump, P-2200-7	Check Motor Temperature And Oil Levels	07/15/2026 08:56 AM	Checked	Excellent		jnavarro	Daily
Reverse Osmosis System	RO Skid 3 - Feed Pumps	P-2200-5	RO Feed Pump, P-2200-5	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Good		jnavarro	Daily
Reverse Osmosis System	RO Skid 1 - Feed Pumps	P-2200-1	RO Feed Pump, P-2200-1	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Good		jnavarro	Daily
Reverse Osmosis System	RO Skid 5 - Feed Pumps	P-2200-10	RO Feed Pump, P-2200-10	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Good		jnavarro	Daily
Reverse Osmosis System	RO Skid 3 - Feed Pumps	P-2200-6	RO Feed Pump, P-2200-6	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Excellent		jnavarro	Daily
Reverse Osmosis System	RO Skid 2 - Feed Pumps	P-2200-4	RO Feed Pump, P-2200-4	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Excellent		jnavarro	Daily
Reverse Osmosis System	RO Skid 2 - Feed Pumps	P-2200-3	RO Feed Pump, P-2200-3	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Excellent		jnavarro	Daily

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Reverse Osmosis System	RO Skid 1 - Feed Pumps	P-2200-2	RO Feed Pump, P-2200-2	Check Motor Temperature And Oil Levels	07/15/2026 08:57 AM	Checked	Excellent		jnavarro	Daily
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3004	Treated Water Nitrate	Check Calibration	07/15/2026 09:02 AM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3003	Treated Water Chlorine	Check Calibration	07/15/2026 09:02 AM	Checked	Excellent		jnavarro	Weekly
Clearwell and Treatment Water Pumps		AE/AIT-3002	Treated Water Conductivity	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
Clearwell and Treatment Water Pumps	Clearwell and Treatment Water Pumps	AE/AIT-3001	Treated Water pH	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2155	RO System Feed ORP	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2150	RO System Feed Conductivity	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
RO Cartridge Filters	RO Cartridge Filters	AE/AIT-2145	RO System Feed pH	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
EQ Tank and Raw Water Booster Pumps	EQ Tank and Raw Water Booster Pumps	AE/AIT-1001	pH - T-1000 effluent. Downstream of cartridge filter	Check Calibration	07/15/2026 09:03 AM	Checked	Excellent		jnavarro	Weekly
Decarbonator System	Decarbonator System	B-2320	Decarbonator Blower	Inspect Blower For Debris In The Air Filter	07/15/2026 09:03 AM	Inspected	Excellent		jnavarro	Weekly
RO Skid 2 (Trains 3 & 4)	RO Skid 2 - Train 4	BFV-2251-4	RO Train 4 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/15/2026 09:03 AM	Inspected	Excellent		jnavarro	Weekly
RO Skid 1 (Train 1 & 2)	RO Skid 1 - Train 2	BFV-2251-2	RO Train 2 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight	07/15/2026 09:04 AM	Inspected	Excellent		jnavarro	Weekly
RO Skid 1 (Train 1 & 2)	RO Skid 1 - Train 1	BFV-2251-1	RO Train 1 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/15/2026 09:04 AM	Inspected	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
RO Skid 2 (Trains 3 & 4)	RO Skid 2 - Train 3	BFV-2251-3	RO Train 3 Permeate Dump Valve	Ensure The Screws Before And After Valve Are Tight To Prevent Leaking	07/15/2026 09:04 AM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	PIT-3201-1	Pump Discharge Pressure, Pumps A-1 and B-1	Calibrate Probes	07/15/2026 09:04 AM	Checked	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 A	Sodium Hypochlorite Tank	Inspect Tank Integrity	07/15/2026 09:04 AM	Checked	Excellent		jnavarro	Weekly
Caustic Soda System	Chemicals	T-2600	Sodium Hydroxide Storage Tank	Inspect Tank Integrity	07/15/2026 09:04 AM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 A	Sodium Hypochlorite Tank	Inspect Tank Connections And Fittings	07/15/2026 09:04 AM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 B	Sodium Hypochlorite Tank	Inspect Tank Connections And Fittings	07/15/2026 09:05 AM	Inspected	Excellent		jnavarro	Weekly
Caustic Soda System	Chemicals	T-2600	Sodium Hydroxide Storage Tank	Inspect Tank Connections And Fittings	07/15/2026 09:05 AM	Inspected	Excellent		jnavarro	Weekly
Sodium Hypochlorite System	Chemicals	T-3200 B	Sodium Hypochlorite Tank	Inspect Tank Integrity	07/15/2026 09:05 AM	Inspected	Excellent		jnavarro	Weekly
Sodium Bisulfite System	Chemicals	CC-1701	Calibration cylinder for Sodium Bisulfate	Clean Calibration Column	07/15/2026 09:05 AM	Cleaned	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3004	Treated Water Nitrate	Check Calibration	07/22/2026 01:24 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3003	Treated Water Chlorine	Check Calibration	07/22/2026 01:24 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Check Calibration	07/22/2026 01:24 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3004	Treated Water Nitrate	Check Calibration	07/22/2026 01:24 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Clearwell and Treatment Water Pumps	AE/AIT-3003	Treated Water Chlorine	Check Calibration	07/22/2026 01:25 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Check Calibration	07/22/2026 01:25 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Calibrate Probes	07/22/2026 01:25 PM	Verified	Excellent		jnavarro	Monthly
Analyzers	RO Cartridge Filters	AE/AIT-2140	RO System Feed Turbidity	Calibrate Probes	07/22/2026 01:25 PM	Verified	Excellent		jnavarro	Monthly
Chemical Feed Systems	Chemicals	P-2650-2	Sodium Hydroxide Pump 2650-2	Check For Leaks	07/22/2026 01:27 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	P-2650-1	Sodium Hydroxide Pump 2650-1	Check For Leaks	07/22/2026 01:27 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Connections And Fittings	07/22/2026 01:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-2400	Scale Inhibitor Storage Tank	Inspect Tank Integrity	07/22/2026 01:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Connections And Fittings	07/22/2026 01:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Integrity	07/22/2026 01:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-2644-1	Calibration column for P-2650-1	Clean Calibration Column	07/22/2026 01:28 PM	Cleaned	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Connections And Fittings	07/22/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1700	Sodium Bisulfate (SBS) Tank, 540 gallons	Inspect Tank Connections And Fittings	07/22/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1600	Hydrogen Peroxide Tank	Inspect Tank Integrity	07/22/2026 01:29 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	CC-1051	Calibration cylinder for Sulfuric Acid	Clean Calibration Column	07/22/2026 01:29 PM	Cleaned	Excellent		jnavarro	Weekly
Chemical Feed Systems	Chemicals	T-1050	Sulfuric Acid Tank (2500 gals)	Inspect Tank Integrity	07/22/2026 03:12 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Check For Leaks	07/22/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Parent Asset	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Check For Leaks	07/22/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Check For Leaks	07/22/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Inspect Vessel Air Release Valves	07/22/2026 03:16 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-1	LPGAC 1100A-1	LPGAC Vessel A-1	Inspect Vessel Air Release Valves	07/22/2026 03:16 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Check For Leaks	07/22/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200B	Cartridge Filter Vessel B	Inspect Vessel Air Release Valves	07/22/2026 03:16 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-1	IX-resin vessel B-1	Check For Leaks	07/22/2026 03:17 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Inspect Vessel Air Release Valves	07/22/2026 03:17 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-1	IX-resin vessel A-1	Inspect Vessel Air Release Valves	07/22/2026 03:17 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300A-2	IX-resin vessel A-2	Inspect Vessel Air Release Valves	07/22/2026 03:17 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Check For Leaks	07/22/2026 03:17 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Secondary Cartridge Filters	F-1200A	Cartridge Filter Vessel A	Inspect Vessel Air Release Valves	07/22/2026 03:17 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Vessels	IX-1300B-2	IX-resin vessel B-2	Check For Leaks	07/22/2026 03:17 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Check For Leaks	07/22/2026 03:17 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-1	LPGAC 1100B-1	LPGAC Vessel B-1	Inspect Vessel Air Release Valves	07/22/2026 03:18 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Check For Leaks	07/22/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly

PROCESS NAME	PARENT ASSET	TAG ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Inspect Vessel Air Release Valves	07/22/2026 03:18 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-2	LPGAC 1100A-2	LPGAC Vessel A-2	Inspect Vessel Air Release Valves	07/22/2026 03:18 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Inspect Vessel Air Release Valves	07/22/2026 03:18 PM	Inspected	Good		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel A	LPGAC 1500A	Quenching LPGAC Vessel A	Check For Leaks	07/22/2026 03:18 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Check For Leaks	07/22/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel A-4	LPGAC 1100A-4	LPGAC Vessel A-4	Inspect Vessel Air Release Valves	07/22/2026 03:18 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC Vessel B	LPGAC 1500B	Quenching LPGAC Vessel B	Check For Leaks	07/22/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-4	LPGAC 1100B-4	LPGAC Vessel B-4	Inspect Vessel Air Release Valves	07/22/2026 03:19 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Vessel B-2	LPGAC 1100B-2	LPGAC Vessel B-2	Inspect Vessel Air Release Valves	07/22/2026 03:19 PM	Inspected	Excellent		jnavarro	Weekly

Total Number of PVOU IZ Inspections - 284.00

Process Name	Count
Chemical Feed Systems	46
Treatment Process Units	140
Reverse Osmosis System	24
Sodium Bisulfite System	3
Sodium Hypochlorite System	15
Caustic Soda System	6
Analyzers	18
RO Skid 1 (Train 1 & 2)	6
RO Skid 2 (Trains 3 & 4)	6
Decarbonator System	3
EQ Tank and Raw Water Booster Pumps	3
RO Cartridge Filters	8
Clearwell and Treatment Water Pumps	6

PVOU-SZ Operations Report



Date: August 25, 2026
To: Michael Shannon, Northrop Grumman Systems
Cc: Roy Frausto, General Manager
From: Davis To, Field Operations Engineer
Subject: PVOU-SZ Operations Monthly Report (July 2026)

In accordance with our Agreement for Operational Services of a Water Treatment Facility between Northrop Grumman Systems (the “NG”) and La Puente Valley County Water District (the “District”), the District is providing a monthly operations report for July 2026. The report represents operational information along with the current status of various items listed under the appropriate heading.

PVOU-SZ Plant Operations Snapshot

Production Well	Current Well Operations	Well GPM
EW-C	INTERMITTENT	90
EW-N	OFFLINE	0
TOTAL COMBINED WELL GPM		90

Treatment Component	Current Operations	Flow GPM
LGAC System	INTERMITTENT	125
UV System	INTERMITTENT	125
RO System	INTERMITTENT	112 Influent 13 Bypass

Is Treatment Plant in Normal Operations Yes / No	NO	As of what date:	2/24/2025
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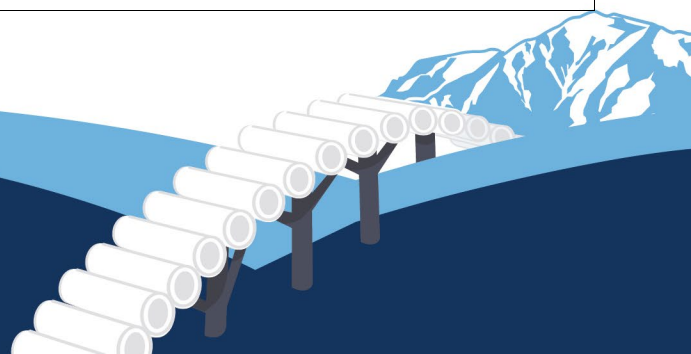
Brief description below:

Due to the TPH evaluation, operation of the Shallow Zone – South Treatment Plant has been limited to routine forward flushes for upkeep of system components and data collection. The plant remains configured to discharge treated water to the wastewater tank during flushing activities.

The District continues to implement the iterative approach directed by NG, which includes replacement of the GAC media and RO membrane elements. Carbon changeout was completed in November 2025.

The RO membrane element changeout will be scheduled following completion of the SZ process pipe repair. The District remains engaged with the RO Equipment Manufacturer (ROEM) to coordinate this work. Extraction Well EW-N remains offline due to electrical issues. The District has received approval to proceed with the selected contractor for the CP-4100 control panel rebuild. Work activities began in July 2026, with a committed completion date by mid-August 2026.

In support of GAC media treatment evaluations, the District continues discussions with media suppliers regarding replacement media for the GAC vessels and is working to establish contact with qualified installation contractors. The District has requested a quote from an experienced installer of the alternative media.



Extraction Wells - Offline	Treatment Plant – Offline	Extraction Wells – Online	Treatment Plant – Online
726.63 Hours	732.00 Hours	17.37 Hours	12.00 Hours
30.28 Days	30.50 Days	0.72 Days	0.50 Days
Summary: SZ-S Plant operation continues to be out of normal continuous operation. Routine forward flushes are conducted during regular working hours due to the TPH issue and to maintain system components.			

Supply and Production

- PVOU-SZ Monthly Well Production**

Well	Beginning Read 7/1/2026 (Kgals)	Ending Read 8/1/2026 (Kgals)	Units Produced (Kgals)	Production in Acre-Feet
EW-C	23,877	23,971	94	0.288
EW-N	94,624	OUT OF SERVICE*	-	-
Total SZ Production			94	0.288

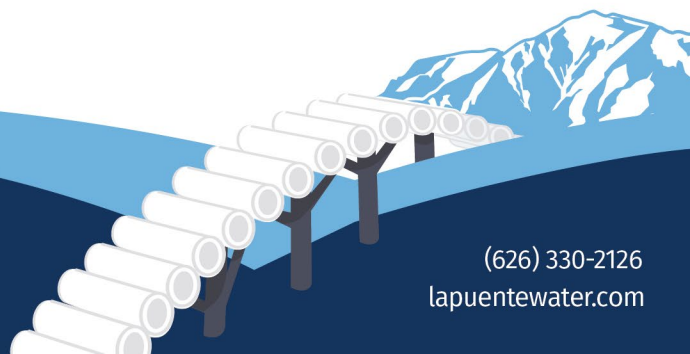
*EW-N lost communication during the month of November 2025, unable to collect data to report.

- PVOU-SZ Well Levels (Sonder)**

Well	Static Water Level	Pumping Water Level	Drawdown
EW-C	66.6'	-	-
EW-N	55'	-	-

- PVOU-SZ Monthly Water Volume Processed**

SZ-Raw Water Flow Meter	7/1/26 Total Flow Reading - Gals	7/31/26 Total Flow Reading – Gals	Water Processed - MG
FQIT-4251	33,677,492	33,768,732	0.09



- **PVOU-SZ Monthly Metered Deliveries**

System	Total Discharge (Acre-Feet)
NPDES	0
LACSD	0.259
Total Deliveries	0.259

- **Total Production vs. Total Deliveries**

Total Production in Acre-Feet	Total Deliveries in Acre-Feet
0.288	0.259

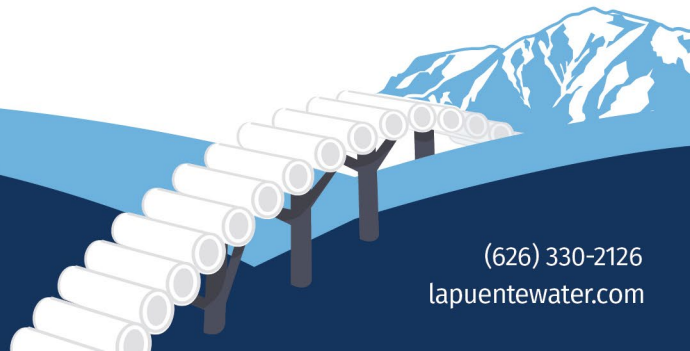
- **Water Discharged to Wastewater Brine Line**

Flow Meter	7/1/26 Total Flow Reading - Gals	7/31/26 Total Flow Reading - Gals	Total Flow (Gallons)
FQIT-5011	7,002,765	7,037,651	34,886
FQIT-4951	25,727,404	25,776,912	49,508
SZ-S Wastewater Discharge Total			84,394

*In July 2026, due to TPH issue, SZ effluent water continues to be discharged as wastewater until further notice.

- **Chemicals Consumed**

Chemical Type	7/1/26 (Data from Round Sheets) - Gals.	7/31/26 (Data from Round Sheets) - Gals.	Total Consumed – Gals.
Sulfuric Acid (H ₂ SO ₄)	545	540	5
Hydrogen Peroxide (H ₂ O ₂)	428	419	9
Scale Inhibitor	488	486	2
Sodium Hydroxide (NaOH)	1000	995	5



Water Quality

- **SZ Surface Water Discharge Monitoring (NPDES)** - District staff did not collect samples from the SZ system for the month of July.
- **SZ Sewer Discharge Monitoring (LACSD)** - District Staff collected LACSD compliance samples from the IZ (& SZ-S) system for the month of July.
 - LACSD Surcharge – Bi-Weekly samples collected on July 7 & 22, 2026.Attachment A: Final Certificates of Analysis Reports of July 7 & 22, 2026, sample events
- **SZ Other Samples** - District Staff did not collect any other samples from the SZ system for the month of July.

Compliance Reporting

- **SZ Surface Water Discharge Reporting (NPDES)** - District Staff submitted no NPDES water quality report pertaining to the PVOU-IZ (and SZ) during July.
- **SZ Sewer Discharge Reporting (LACSD)** - District Staff prepared semi-annual PVOU IZ & SZ Self-Monitoring Report (SMR) and provided it to Northrop Grumman for review and submittal through LACSD portal in July.

Repair/Replace/Optimization Activities

- **Repairs/Replacement Activities**
 - **Pump Motor Bearing Replacements for P-4250A, P-6200-1, & P-6200-2**
 - **Status:** Completed
 - **Targeted Completion:** July 2026

Due to observed excessive noise during operation, the District obtained quotes and selected a pump contractor to perform repairs on the identified pumps. The repairs included replacement of the upper and lower bearings. The District executed purchase orders and scheduled the repair activities. The pump company completed repairs to P-6200-1 & 2 on July 13-14, 2026 and P-4250A on July 20, 2026. Following the bearing replacements, the pumps were tested and the operating noise was significantly reduced. See photos below.



- **EW-N Extraction Well Electrical Vault**
 - **Status:** In Progress
 - **Targeted Completion:** August 2026

The District finalized and executed an agreement with the selected contractor for the replacement of EW-N control panel CP-4100 components. The contractor began work activities in July, including removal of the existing electrical components and installation of new replacement equipment. The contractor completed the majority of the field work and is currently working through programming, startup, and commissioning activities. Project completion remains anticipated in August 2026. FIS also began programming activities in July.

- **Process Pipe (Pinhole Leak) / Process Pipe Replacement**
 - **Status:** In Progress
 - **Targeted Completion:** September 2026

During previous inspections, the District confirmed that corrosion within the process piping was not isolated to the original pinhole leak location and determined that replacement of the affected piping sections was necessary. Following completion of the quotation process, the District recommended a selected contractor and received the required approvals. A contract agreement was executed in July 2026, and the contractor is proceeding with material procurement and project planning activities in preparation for construction.

In July 2026, the piping section containing the original leak experienced additional leakage at a flange gasket connection due to ongoing corrosion. The District investigated the issue and implemented a temporary repair by installing a replacement pipe spool to maintain pipe integrity and allow limited system operation until the permanent replacement work can take place. Chemical-resistant gaskets will be evaluated for this process section. See photos below:



- **Sulfuric Acid Pump P-4350-A Dosing Troubleshooting**
 - **Status:** In Progress
 - **Targeted Completion:** September 2026

The District observed inconsistent chemical dosing from Sulfuric Acid Pump P-4350-A. To address the issue, KOP rebuild kits were purchased and installed in July 2026; however, the dosing issue persisted.

The District is coordinating with the pump skid vendor to schedule a site visit, evaluate the pump and recommend corrective actions.

- **Maintenance/Troubleshoot Work**

- Operate system to flush and maintain equipment – Gather operational data weekly to ensure system and equipment are functional.
- During flushes – inspect pumps, equipment, and tanks for proper operation and condition.
- Recalibrated water quality analyzers as needed.
- Verified chemical feed pump performance and calibration drawdown rates.
- Conducted monthly extraction well inspections and recorded flow totalizer readings.
- Tested and flushed eyewash stations and safety showers.
- Backwash multimedia filter system.

- **Housekeeping**

- Performed routine housekeeping of treatment plant, containment areas, and chemical containment areas.
- Drained chemical containment areas following rain events.
- Organized and cleaned chemical and storage buildings.
- Cleaned analyzer flow cells and indicators throughout the treatment system.
- Verified site security and facility access controls.

- **Optimizations**

- Continued rotation of booster pumps and chemical feed pumps between duty and standby service to balance runtime and extend equipment life.
- P-6200-1 & 2 – During the bearing replacement activities, evidence of water intrusion into the pump assembly was observed. As a preventive measure, the District installed a protective cover over the pump motor opening to help reduce potential for future water infiltration. See photos below:



- Preventive Maintenance Program/Asset Management: Continued development and optimization of the preventive maintenance program Geoviewer, including updates to inspection frequencies, maintenance activities, and documentation for Shallow Zone – South (SZ-S) treatment facilities.

Attachment B: IZ Inspections Table for July 2026 generated by Geoviewer

Upcoming Repair/Replace/Optimization Activities

- **SZ-S Analyzers Replacement**

- **Status:** On Hold
 - **Targeted Completion:** TBD, following IZ Analyzers Replacement
- The District met with a HACH Representative to discuss replacement of ATI analyzers with HACH analyzers to improve the overall reliability of the treatment system analyzers and support the establishment of a single service contract for all plant analyzers. The District intends to implement the upgrades in phases, beginning with the Intermediate Zone (IZ) system. Following completion and operational evaluation of the IZ installation, the District will determine whether to proceed with similar upgrades at the SZ-S system based on the performance and reliability of the IZ implementation. In the meantime, the District will continue maintaining the existing analyzers and procure replacement sensors as needed to support operations.

NG Requested Upgrades

- **Standard Operating Procedures (SOP) Development**

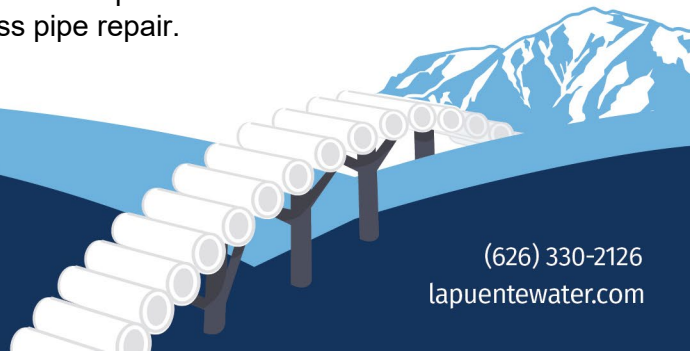
- **Status:** In progress
- **Targeted Completion:** October 2026, Revised Schedule Pending

The District reviewed and provided comments on the draft SZ-S SOPs prepared by Kennedy Jenks (KJ). Following receipt and evaluation of the Draft Final IZ SOP comments, KJ revisited the SZ-S SOPs to ensure consistency across both systems. KJ prepared a change request to provide the additional effort necessary to finalize the SOP development and associated task completion. The District has negotiated and communicated the proposed change request for required approvals to complete the remainder of this task.

- **SZ RO Membrane Replacement**

- **Status:** In progress
- **Targeted Completion:** September 2026

NG directed the District to pursue an iterative approach to evaluate whether TPH cleaning is necessary. As part of this approach, all RO membrane elements are to be replaced. The District contracted this work and coordinated with Wigen (ROEM) to plan the membrane replacement. The activity has experienced several postponements due to equipment-related issues and the need to prioritize repair of the SZ process pipe leak. Following coordination with the ROEM and completion of scheduling efforts, the RO membrane element replacement has been scheduled for September 2026 following completion of the SZ process pipe repair.



- **LGAC Media Evaluation and Replacement**

- **Status:** In Progress

- **Targeted Completion:** October 2026

Stantec directed the District to evaluate pricing for alternative media options for the SZ-S LGAC lead vessel. The District initiated discussions with the contacts provided; however, it was determined that both contacts were media suppliers and not installation contractors. The District subsequently obtained a recommended contractor for the installation services of Fluoro-Sorb 400 media and is currently working to obtain pricing information. Evaluation of the other proposed media option has been deferred pending identification of a qualified installation contractor.

- **Eye Wash and Safety Shower Station (Electrical/Integration Scope)**

- **Status:** In progress

- **Targeted Completion:** TBD

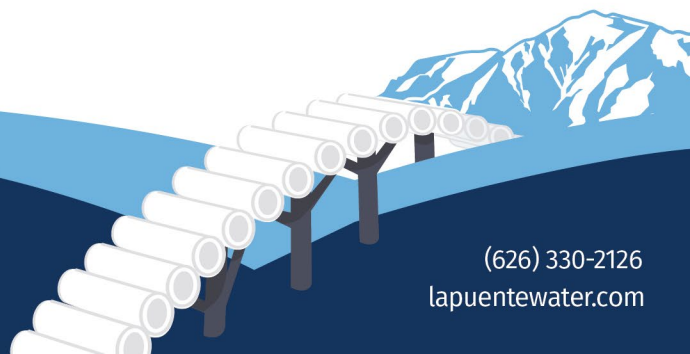
SCADA integration of new eyewash/safety shower stations, including installation of flow sensors, will be led by NG. NG/Stantec continues to provide progress updates regarding implementation activities.

Performance Contracts

- **Wigen Reverse Osmosis System (Preventive Maintenance)** – The District has executed the RO preventive maintenance quarterly service contracts with Wigen for the upcoming year in July 2026. The District is determining the schedule for the first service visit under the new contract.
- **Trojan UV/AOP System (Preventive Maintenance)** – The District has contracted with Trojan for assessment and preventive maintenance services on a quarterly basis for the PVOU Systems. Trojan is scheduled for their next service visit in August 2026.
- **Booster Pumps (Preventive Maintenance)** – The District has been in contact with pump companies that offer preventive maintenance (PM) services for PVOU's booster pumps. The District is evaluating the inspections and deliverables offered.
- **Water Analyzers (Preventive Maintenance)** – The District has been in contact with Badger Meter, the ATI Water Analyzer manufacturer's representative, to discuss field services for calibration certification of the ATI water analyzers. While Badger Meter does not directly provide these services, discussions are ongoing to identify and coordinate with a qualified field service provider.

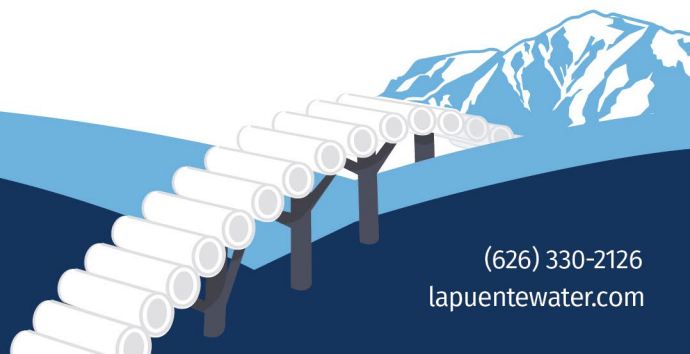
Outages

- Due to limited operation, there were no major outages reported in July 2026.



Other

- **Internal District Standard Operating Procedures SOPs** – The District continues to develop, refine, and implement internal SOPs in support of PVOU operations and maintenance activities.
- **Badger Meter** – The District met with Badger Meter to discuss ATI water analyzers, field services, and support.
- **Valley Alarm** – The District provided access and attended site walk with Stantec and Valley Alarm regarding the security upgrades.





ATTACHMENT A

Work Orders: 6F22021

Project: PVOU - LACSD Surcharge - Bi-Weekly

Attn: Cesar Ortiz

Client: La Puente Valley County Water
P.O Box 3136; 112 N.First St.
La Puente, CA 91744

Report Date: 7/23/2026

Received Date: 7/7/2026

Turnaround Time: Normal

Phones: (626) 330-2126

Fax: (626) 330-2679

P.O. #:

Billing Code:

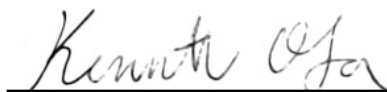
EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Results are related only to the items tested. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.

Dear Cesar Ortiz,

Enclosed are the analytical results for the samples submitted under the attached Chain of Custody document. All analyses adhered to the method criteria, except where noted in the case narrative, sample condition checklist, and/or data qualifiers.

Reviewed by:



Kenneth C. Oda For Valerie I. Ayo
Project Manager



Project Number: PVOU - LACSD Surcharge - Bi-Weekly

Reported:
07/23/2026 13:28

Project Manager: Cesar Ortiz

Sample Condition

Temperature	11.90 C	
COC present	✓	COC completed properly ✓
COC matches sample labels	✓	Wet ice
Blue ice	✓	Sample(s) intact ✓
Sample(s) using proper containers	✓	Sample(s) have sufficient sample volume ✓
Sample(s) received within hold time	✓	Sample(s) labels have correct preservation ✓
Sample(s) have acceptable pH	✓	Sample(s) have acceptable Cl

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SP-3301 (22237- PVOU- IZ & SZ South)	Jordan Navarro	6F22021-01	Water	07/07/26 11:24	

Sample Results

Sample: SP-3301 (22237- PVOU- IZ & SZ South)

Sampled: 07/07/26 11:24 by Jordan Navarro

6F22021-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: EPA 410.4				Instr: UVVIS05			
Batch ID: W6G0723		Preparation: _NONE (WETCHEM)		Prepared: 07/10/26 18:44		Analyst: rob	
Chemical Oxygen Demand	ND	2.9	5.0	mg/l	1	07/16/26	
Method: SM 2540D				Instr: OVEN18			
Batch ID: W6G0350		Preparation: _NONE (WETCHEM)		Prepared: 07/07/26 15:18		Analyst: mes	
Total Suspended Solids	ND	5	5	mg/l	1	07/08/26	

Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limit	RPD	Limit	Qualifier
Batch: W6G0350 - SM 2540D											
Blank (W6G0350-BLK1)											
Total Suspended Solids	ND	5	5	mg/l							
LCS (W6G0350-BS1)											
Total Suspended Solids	60.0	5	5	mg/l	57.8		104	90-110			
Duplicate (W6G0350-DUP1)											
				Source: 6G06045-01		Prepared: 07/07/26		Analyzed: 07/08/26			
Total Suspended Solids	264	5	5	mg/l		252			5	10	
Batch: W6G0723 - EPA 410.4											
Blank (W6G0723-BLK1)											
Chemical Oxygen Demand	ND	2.9	5.0	mg/l							
LCS (W6G0723-BS1)											
Chemical Oxygen Demand	98.2	2.9	5.0	mg/l	100		98	90-110			
LCS (W6G0723-BS2)											
Chemical Oxygen Demand	1000	2.9	5.0	mg/l	1000		100	90-110			
Duplicate (W6G0723-DUP1)											
				Source: 6G06045-01		Prepared: 07/10/26		Analyzed: 07/16/26			
Chemical Oxygen Demand	1270	5.8	10	mg/l		1280			1	15	
Matrix Spike (W6G0723-MS1)											
				Source: 6F22021-01		Prepared: 07/10/26		Analyzed: 07/16/26			
Chemical Oxygen Demand	199	12	20	mg/l	200	ND	99	90-110			
Matrix Spike (W6G0723-MS2)											
				Source: 6G06045-01		Prepared: 07/10/26		Analyzed: 07/16/26			
Chemical Oxygen Demand	3250	12	20	mg/l	2000	1280	99	90-110			
Matrix Spike Dup (W6G0723-MSD1)											
				Source: 6F22021-01		Prepared: 07/10/26		Analyzed: 07/16/26			
Chemical Oxygen Demand	192	12	20	mg/l	200	ND	96	90-110	3	15	
Matrix Spike Dup (W6G0723-MSD2)											
				Source: 6G06045-01		Prepared: 07/10/26		Analyzed: 07/16/26			
Chemical Oxygen Demand	3200	12	20	mg/l	2000	1280	96	90-110	1	15	

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.

Work Orders: 6G13020

Project: LACSD Bi-Monthly

Attn: Cesar Ortiz

Client: La Puente Valley County Water
P.O Box 3136; 112 N.First St.
La Puente, CA 91744

Report Date: 8/04/2026

Received Date: 7/22/2026

Turnaround Time: Normal

Phones: (626) 330-2126

Fax: (626) 330-2679

P.O. #:

Billing Code:

EPA-UCMR #CA00211 • LACSD #10143

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Results are related only to the items tested. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. The report may include analytes that are not currently accreditable by some state agencies or accrediting bodies. This analytical report must be reproduced in its entirety.

Dear Cesar Ortiz,

Enclosed are the analytical results for the samples submitted under the attached Chain of Custody document. All analyses adhered to the method criteria, except where noted in the case narrative, sample condition checklist, and/or data qualifiers.

Reviewed by:



Kenneth C. Oda For Valerie I. Ayo
Project Manager



Project Number: LACSD Bi-Monthly

Project Manager: Cesar Ortiz

Reported:
08/04/2026 15:42

Sample Condition

Temperature	25.50 C	
COC present	✓	COC completed properly ✓
COC matches sample labels	✓	Wet ice ✓
Blue ice		Sample(s) intact ✓
Sample(s) using proper containers	✓	Sample(s) have sufficient sample volume ✓
Sample(s) received within hold time	✓	Sample(s) labels have correct preservation ✓
Sample(s) have acceptable pH	✓	Sample(s) have acceptable Cl

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
SP-3301 (22237- PVOU- IZ & SZ South)	Jordan Navarro	6G13020-01	Water	07/22/26 10:30	

Sample Results

Sample: SP-3301 (22237- PVOU- IZ & SZ South)

Sampled: 07/22/26 10:30 by Jordan Navarro

6G13020-01 (Water)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods							
Method: EPA 410.4				Instr: UVVIS05			
Batch ID: W6G1723		Preparation: _NONE (WETCHEM)		Prepared: 07/24/26 13:00		Analyst: rob	
Chemical Oxygen Demand	ND	2.9	5.0	mg/l	1	07/27/26	
Method: SM 2540D				Instr: OVEN18			
Batch ID: W6G1608		Preparation: _NONE (WETCHEM)		Prepared: 07/23/26 10:17		Analyst: mes	
Total Suspended Solids	ND	5	5	mg/l	1	07/23/26	

Quality Control Results

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Qualifier
Batch: W6G1608 - SM 2540D										
Blank (W6G1608-BLK1)					Prepared & Analyzed: 07/23/26					
Total Suspended Solids	ND	5	5	mg/l						
LCS (W6G1608-BS1)					Prepared & Analyzed: 07/23/26					
Total Suspended Solids	72.8	5	5	mg/l	70.6	103	90-110			
Duplicate (W6G1608-DUP1)					Source: 6G21074-01 Prepared & Analyzed: 07/23/26					
Total Suspended Solids	691	5	5	mg/l		691		0	10	
Batch: W6G1723 - EPA 410.4										
Blank (W6G1723-BLK1)					Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	ND	2.9	5.0	mg/l						
LCS (W6G1723-BS1)					Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	97.5	2.9	5.0	mg/l	100	97	90-110			
LCS (W6G1723-BS2)					Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	1000	2.9	5.0	mg/l	1000	100	90-110			
Duplicate (W6G1723-DUP1)					Source: 6G16084-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	2830	5.8	10	mg/l		2900		2	15	
Matrix Spike (W6G1723-MS1)					Source: 6G13020-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	200	12	20	mg/l	200	ND	100 90-110			
Matrix Spike (W6G1723-MS2)					Source: 6G21026-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	2420	12	20	mg/l	2000	472	97 90-110			
Matrix Spike Dup (W6G1723-MSD1)					Source: 6G13020-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	192	12	20	mg/l	200	ND	96 90-110	4	15	
Matrix Spike Dup (W6G1723-MSD2)					Source: 6G21026-01 Prepared: 07/24/26 Analyzed: 07/27/26					
Chemical Oxygen Demand	2420	12	20	mg/l	2000	472	97 90-110	0	15	

Notes and Definitions

Item	Definition
%REC	Percent Recovery
Dil	Dilution
MDL	Method Detection Limit
MRL	Method Reporting Limit (MRL) is the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ)
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
RPD	Relative Percent Difference
Source	Sample that was matrix spiked or duplicated.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS002.



ATTACHMENT B

All PVOU SZ Inspections - Completed

From: 07/01/2026 00:00:00 To: 07/31/2026 23:59:59



Total - 164

PROCESS NAME	ASSET TYPE	TAG ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Analyzers	Analyzers	AE/AIT-4251	pH post Sulfuric Acid	Check Calibration	07/01/2026 02:21 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6140	Pre-RO Turbidity	Check Calibration	07/01/2026 02:21 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6305	Treated Water pH to Effluent Storage	Check Calibration	07/01/2026 02:21 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6320	Treated Water Conductivity to Effluent Storage	Check Calibration	07/01/2026 02:22 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6320	Treated Water Conductivity to Effluent Storage	Check Calibration	07/01/2026 02:22 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6305	Treated Water pH to Effluent Storage	Check Calibration	07/01/2026 02:22 PM	Checked	Excellent		jnavarro	Weekly
SZ Extraction Wells	Wells	P-4000	EW-C	Clean Debris;Inspect Vaults for Leaks	07/01/2026 02:22 PM	Inspected	Excellent		jnavarro	Weekly
SZ Extraction Wells	Wells	P-4100	EW-N	Clean Debris;Inspect Vaults for Leaks	07/01/2026 02:22 PM	Inspected	Poor		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4900	Effluent Storage Tank	Inspect tank connections and fittings;Inspect tank integrity	07/01/2026 02:23 PM	Inspected	Excellent		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4200	Equalization Tank	Inspect tank connections and fittings;Inspect tank integrity	07/01/2026 02:23 PM	Inspected	Good		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4200	Equalization Tank	Inspect liquid level gauge;Inspect shell seams, roof structure, and exterior corrosion;Inspect tank vent	07/01/2026 02:23 PM	Inspected	Good		jnavarro	Monthly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Storage Tanks	Storage Tanks	T-4900	Effluent Storage Tank	Inspect liquid level gauge;Inspect shell seams, roof structure, and exterior corrosion;Inspect tank vent	07/01/2026 02:23 PM	Inspected	Excellent		jnavarro	Monthly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:24 PM	Checked	Good		jnavarro	Monthly
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:24 PM	Checked	Good		jnavarro	Monthly
Chemical Feed Systems	Hydrogen Peroxide	P-4550A	Hydrogen Peroxide Pump A	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:24 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	Hydrogen Peroxide	P-4550B	Hydrogen Peroxide Pump B	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:25 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:25 PM	Checked	Good		jnavarro	Monthly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:25 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	Caustic Soda	P-6650-1	Sodium Hydroxide Pump 1	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:25 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	Caustic Soda	P-6650-2	Sodium Hydroxide Pump 2	Calibrate metering pumps;Check pulsation dampener pressure;Clean calibration cylinder	07/01/2026 02:25 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	RO System - RO Feed Pumps and Motors	P-6225-1	RO Interstage Pump 1	Check Electrical Connections, Oil Quality, Grease Bearings, Tripping Functions, Take Insulation Readings on Rotate Shaft;Pump And Motor Cleaning	07/01/2026 02:25 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	RO System - RO Feed Pumps and Motors	P-6225-2	RO Interstage Pump 2	Check Electrical Connections, Oil Quality, Grease Bearings, Tripping Functions, Take Insulation Readings on Rotate Shaft;Pump And Motor Cleaning	07/01/2026 02:25 PM	Checked	Excellent		jnavarro	Monthly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Calibration Drawdown Confirm Dosage	07/01/2026 02:27 PM	Checked	Good		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Calibration Drawdown Confirm Dosage	07/01/2026 02:27 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	P-4550A	Hydrogen Peroxide Pump A	Calibration Drawdown Confirm Dosage	07/01/2026 02:27 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	P-4550B	Hydrogen Peroxide Pump B	Calibration Drawdown Confirm Dosage	07/01/2026 02:27 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	T-4500	Hydrogen Peroxide Tank	Inspect tank connections and fittings;Inspect tank integrity	07/01/2026 02:27 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibration Drawdown Confirm Dosage	07/01/2026 02:28 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibration Drawdown Confirm Dosage	07/01/2026 02:28 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	T-6400	Scale Inhibitor Tank	Inspect tank connections and fittings;Inspect tank integrity	07/01/2026 02:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibration Drawdown;Check Y-strainers	07/01/2026 02:28 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibration Drawdown;Check Y-strainers	07/01/2026 02:28 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	T-6400	Scale Inhibitor Tank	Inspect tank connections and fittings;Inspect tank integrity	07/01/2026 02:28 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Inspect for Chemical Leaks, Spills, or Crystallization	07/01/2026 02:28 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Inspect for Chemical Leaks, Spills, or Crystallization	07/01/2026 02:29 PM	Inspected	Good		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Booster Pumps	Raw Water Booster Pumps	P-4250A	Raw Water Booster Pump A	Inspect for leaks and noise	07/01/2026 02:29 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Raw Water Booster Pumps	P-4250B	Raw Water Booster Pump B	Inspect for leaks and noise	07/01/2026 02:29 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Effluent Booster Pumps	P-4950A	Effluent Booster Pump A	Inspect for leaks and noise	07/01/2026 02:29 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Effluent Booster Pumps	P-4950B	Effluent Booster Pump B	Inspect for leaks and noise	07/01/2026 02:30 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	RO Systsem - CIP System	P-6550	RO CIP Pump	Inspect for leaks and noise	07/01/2026 02:30 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - CIP System	T-6500	RO CIP Tank	Inspect tank connections and fittings;Inspect tank integrity	07/01/2026 02:30 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - CIP System	F-6565	RO CIP Bag Filter	Check for leaks	07/01/2026 02:30 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - RO Train	RO-6200-2	RO Train 2	Check for leaks	07/01/2026 02:30 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - RO Train	RO-6200-1	RO Train 1	Check for leaks	07/01/2026 02:30 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - Cartridge Filters	F-6100-2	Cartridge Filter Vessel 2	Check for leaks	07/01/2026 02:30 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - Cartridge Filters	F-6100-1	Cartridge Filter Vessel 1	Check for leaks	07/01/2026 02:30 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LPGAC Systems	GAC F-4700A	GAC Vessel A	Calibrate H2O2 Analyzer;Inspect Media Loss	07/01/2026 02:31 PM	Inspected	Excellent		jnavarro	Monthly
Treatment Process Units	LPGAC Systems	GAC F-4700B	GAC Vessel B	Calibrate H2O2 Analyzer;Inspect Media Loss	07/01/2026 02:31 PM	Inspected	Excellent		jnavarro	Monthly
Treatment Process	LPGAC Systems	LPGAC F-4750A	LPGAC Vessel A	Calibrate H2O2 Analyzer;Check electrical connections;Check for cleanliness;Check	07/01/2026 02:31 PM	Checked	Excellent		jnavarro	Monthly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Units				recordings;Clean frames and check hardware;Clean the cover;Inspect Media Loss;Verify operation						
Treatment Process Units	RO System - Multimedia Filters	F-4400-1	Multimedia Filter Vessel 1	Check for leaks;Inspect Vessel Air Release Valves	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	RO System - Multimedia Filters	F-4400-2	Multimedia Filter Vessel 2	Check for leaks;Inspect Vessel Air Release Valves	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	UV System	UV-4600A	UV Reactor Vessel 1A	Check for leaks;Inspect Vessel Air Release Valves	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Systems	LGAC F-4700A	LPGAC Vessel 1A	Check for leaks;Inspect Vessel Air Release Valves	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Systems	LGAC F-4700B	LPGAC Vessel 1B	Check for leaks;Inspect Vessel Air Release Valves	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC	LGAC F-4750A	LPGAC Vessel A	Check for leaks;Inspect Vessel Air Release Valves	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-A	Bag Filter Vessel A	Check for leaks	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-B	Bag Filter Vessel B	Check for leaks	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-C	Bag Filter Vessel C	Check for leaks	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-D	Bag Filter Vessel D	Check for leaks;Check for leaks and damages	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Treatment Process Units	ARV-4251	ARV-4251	Check For Leaks	07/01/2026 02:32 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Treatment Process Units	Treatment Process Units	ARV-4601	ARV-4601	Check For Leaks	07/01/2026 02:33 PM	Checked	Good		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-4251	pH post Sulfuric Acid	Check Calibration	07/09/2026 01:43 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6305	Treated Water pH to Effluent Storage	Check Calibration	07/09/2026 01:44 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6320	Treated Water Conductivity to Effluent Storage	Check Calibration	07/09/2026 01:44 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6320	Treated Water Conductivity to Effluent Storage	Check Calibration	07/09/2026 01:44 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6305	Treated Water pH to Effluent Storage	Check Calibration	07/09/2026 01:44 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6140	Pre-RO Turbidity	Check Calibration	07/09/2026 01:44 PM	Checked	Excellent		jnavarro	Weekly
SZ Extraction Wells	Wells	P-4100	EW-N	Monitor Discharge Pressure;Monitor Flow Rates	07/09/2026 01:45 PM	Inspected	Poor	Repairs started 7/6/26	jnavarro	Daily
SZ Extraction Wells	Wells	P-4000	EW-C	Monitor Discharge Pressure;Monitor Flow Rates	07/09/2026 01:45 PM	Inspected	Excellent		jnavarro	Daily
SZ Extraction Wells	Wells	P-4100	EW-N	Clean Debris;Inspect Vaults for Leaks	07/09/2026 01:45 PM	Inspected	Poor		jnavarro	Weekly
SZ Extraction Wells	Wells	P-4000	EW-C	Clean Debris;Inspect Vaults for Leaks	07/09/2026 01:45 PM	Inspected	Excellent		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4200	Equalization Tank	Inspect tank connections and fittings;Inspect tank integrity	07/09/2026 01:46 PM	Inspected	Good		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4900	Effluent Storage Tank	Inspect tank connections and fittings;Inspect tank integrity	07/09/2026 01:46 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	P-4550B	Hydrogen Peroxide Pump B	Calibration Drawdown Confirm Dosage	07/09/2026 01:47 PM	Inspected	Excellent		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Chemical Feed Systems	Hydrogen Peroxide	P-4550A	Hydrogen Peroxide Pump A	Calibration Drawdown Confirm Dosage	07/09/2026 01:47 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibration Drawdown Confirm Dosage	07/09/2026 01:47 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	T-4500	Hydrogen Peroxide Tank	Inspect tank connections and fittings;Inspect tank integrity	07/09/2026 01:47 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibration Drawdown Confirm Dosage	07/09/2026 01:47 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Calibration Drawdown Confirm Dosage	07/09/2026 01:47 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibration Drawdown;Check Y-strainers	07/09/2026 01:47 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Calibration Drawdown Confirm Dosage	07/09/2026 01:48 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	T-6400	Scale Inhibitor Tank	Inspect tank connections and fittings;Inspect tank integrity	07/09/2026 01:48 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibration Drawdown;Check Y-strainers	07/09/2026 01:48 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	T-6400	Scale Inhibitor Tank	Inspect tank connections and fittings;Inspect tank integrity	07/09/2026 01:48 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Inspect for Chemical Leaks, Spills, or Crystallization	07/09/2026 01:48 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Inspect for Chemical Leaks, Spills, or Crystallization	07/09/2026 01:48 PM	Inspected	Good		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Booster Pumps	Raw Water Booster Pumps	P-4250A	Raw Water Booster Pump A	Inspect for leaks and noise	07/09/2026 01:49 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Effluent Booster Pumps	P-4950A	Effluent Booster Pump A	Inspect for leaks and noise	07/09/2026 01:49 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Raw Water Booster Pumps	P-4250B	Raw Water Booster Pump B	Inspect for leaks and noise	07/09/2026 01:49 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	RO Systsem - CIP System	P-6550	RO CIP Pump	Inspect for leaks and noise	07/09/2026 01:49 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Effluent Booster Pumps	P-4950B	Effluent Booster Pump B	Inspect for leaks and noise	07/09/2026 01:49 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - RO Train	RO-6200-2	RO Train 2	Check for leaks	07/09/2026 01:50 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - Cartridge Filters	F-6100-2	Cartridge Filter Vessel 2	Check for leaks	07/09/2026 01:50 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - Cartridge Filters	F-6100-1	Cartridge Filter Vessel 1	Check for leaks	07/09/2026 01:50 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - CIP System	T-6500	RO CIP Tank	Inspect tank connections and fittings;Inspect tank integrity	07/09/2026 01:50 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - CIP System	F-6565	RO CIP Bag Filter	Check for leaks	07/09/2026 01:50 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - RO Train	RO-6200-1	RO Train 1	Check for leaks	07/09/2026 01:50 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	RO System - Multimedia Filters	F-4400-1	Multimedia Filter Vessel 1	Check for leaks;Inspect Vessel Air Release Valves	07/09/2026 01:51 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-B	Bag Filter Vessel B	Check for leaks	07/09/2026 01:51 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process	Bag Filters	F-4800-A	Bag Filter Vessel A	Check for leaks	07/09/2026 01:51 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Units										
Treatment Process Units	RO System - Multimedia Filters	F-4400-2	Multimedia Filter Vessel 2	Check for leaks;Inspect Vessel Air Release Valves	07/09/2026 01:51 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Systems	LGAC F-4700A	LPGAC Vessel 1A	Check for leaks;Inspect Vessel Air Release Valves	07/09/2026 01:51 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	UV System	UV-4600A	UV Reactor Vessel 1A	Check for leaks;Inspect Vessel Air Release Valves	07/09/2026 01:51 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Systems	LGAC F-4700B	LPGAC Vessel 1B	Check for leaks;Inspect Vessel Air Release Valves	07/09/2026 01:51 PM	Inspected	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-D	Bag Filter Vessel D	Check for leaks;Check for leaks and damages	07/09/2026 01:51 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-C	Bag Filter Vessel C	Check for leaks	07/09/2026 01:52 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC	LGAC F-4750A	LPGAC Vessel A	Check for leaks;Inspect Vessel Air Release Valves	07/09/2026 01:52 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Treatment Process Units	ARV-4601	ARV-4601	Check For Leaks	07/09/2026 01:52 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Treatment Process Units	ARV-4251	ARV-4251	Check For Leaks	07/09/2026 01:52 PM	Checked	Excellent		jnavarro	Weekly
Ancillary Equipment	Ancillary Equipment	FenceGates-1	FenceGates-1	Inspect	07/09/2026 01:52 PM	Inspected	Excellent		jnavarro	Monthly
Ancillary Equipment	Ancillary Equipment	SiteLighting-1	SiteLighting-1	Check electrical connections	07/09/2026 01:53 PM	Checked	Excellent		jnavarro	Monthly
Ancillary Equipment	Ancillary Equipment	SiteLighting-1	SiteLighting-1	Check electrical connections;Check for cleanliness;Check recordings	07/09/2026 01:53 PM	Checked	Excellent		jnavarro	Monthly
Analyzers	Analyzers	AE/AIT-6305	Treated Water pH to Effluent	Check Calibration	07/15/2026 02:55 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
			Storage							
Analyzers	Analyzers	AE/AIT-6320	Treated Water Conductivity to Effluent Storage	Check Calibration	07/15/2026 02:55 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6320	Treated Water Conductivity to Effluent Storage	Check Calibration	07/15/2026 02:56 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6305	Treated Water pH to Effluent Storage	Check Calibration	07/15/2026 02:56 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-6140	Pre-RO Turbidity	Check Calibration	07/15/2026 02:56 PM	Checked	Excellent		jnavarro	Weekly
Analyzers	Analyzers	AE/AIT-4251	pH post Sulfuric Acid	Check Calibration	07/15/2026 02:56 PM	Checked	Excellent		jnavarro	Weekly
SZ Extraction Wells	Wells	P-4000	EW-C	Clean Debris;Inspect Vaults for Leaks	07/15/2026 02:56 PM	Inspected	Excellent		jnavarro	Weekly
SZ Extraction Wells	Wells	P-4100	EW-N	Clean Debris;Inspect Vaults for Leaks	07/15/2026 02:57 PM	Inspected	Poor		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4900	Effluent Storage Tank	Inspect tank connections and fittings;Inspect tank integrity	07/15/2026 02:57 PM	Inspected	Excellent		jnavarro	Weekly
Storage Tanks	Storage Tanks	T-4200	Equalization Tank	Inspect tank connections and fittings;Inspect tank integrity	07/15/2026 02:57 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Inspect for Chemical Leaks, Spills, or Crystallization	07/15/2026 02:58 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Inspect for Chemical Leaks, Spills, or Crystallization	07/15/2026 02:58 PM	Inspected	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	T-6400	Scale Inhibitor Tank	Inspect tank connections and fittings;Inspect tank integrity	07/15/2026 02:58 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibration Drawdown;Check Y-strainers	07/15/2026 02:58 PM	Checked	Good		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Chemical Feed Systems	Scale Inhibitor	T-6400	Scale Inhibitor Tank	Inspect tank connections and fittings;Inspect tank integrity	07/15/2026 02:58 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350B	Sulfuric Acid Pump B	Calibration Drawdown Confirm Dosage	07/15/2026 02:58 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibration Drawdown;Check Y-strainers	07/15/2026 02:58 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Sulfuric Acid	P-4350A	Sulfuric Acid Pump A	Calibration Drawdown Confirm Dosage	07/15/2026 02:58 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-2	Scale Inhibitor Pump 2	Calibration Drawdown Confirm Dosage	07/15/2026 02:59 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	T-4500	Hydrogen Peroxide Tank	Inspect tank connections and fittings;Inspect tank integrity	07/15/2026 02:59 PM	Inspected	Excellent		jnavarro	Weekly
Chemical Feed Systems	Scale Inhibitor	P-6450-1	Scale Inhibitor Pump 1	Calibration Drawdown Confirm Dosage	07/15/2026 02:59 PM	Checked	Good		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	P-4550A	Hydrogen Peroxide Pump A	Calibration Drawdown Confirm Dosage	07/15/2026 02:59 PM	Checked	Excellent		jnavarro	Weekly
Chemical Feed Systems	Hydrogen Peroxide	P-4550B	Hydrogen Peroxide Pump B	Calibration Drawdown Confirm Dosage	07/15/2026 02:59 PM	Checked	Excellent		jnavarro	Weekly
Booster Pumps	Effluent Booster Pumps	P-4950B	Effluent Booster Pump B	Inspect for leaks and noise	07/15/2026 03:00 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	RO Systsem - CIP System	P-6550	RO CIP Pump	Inspect for leaks and noise	07/15/2026 03:01 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Raw Water Booster Pumps	P-4250B	Raw Water Booster Pump B	Inspect for leaks and noise	07/15/2026 03:01 PM	Inspected	Excellent		jnavarro	Weekly
Booster Pumps	Effluent Booster Pumps	P-4950A	Effluent Booster Pump A	Inspect for leaks and noise	07/15/2026 03:01 PM	Inspected	Excellent		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Booster Pumps	Raw Water Booster Pumps	P-4250A	Raw Water Booster Pump A	Inspect for leaks and noise	07/15/2026 03:01 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - RO Train	RO-6200-2	RO Train 2	Check for leaks	07/15/2026 03:08 PM	Inspected	Excellent	Pump bearing were replaced by by pump man on 7/13/26	jnavarro	Weekly
Reverse Osmosis System	RO System - RO Train	RO-6200-1	RO Train 1	Check for leaks	07/15/2026 03:08 PM	Inspected	Excellent	Pump man replaced bearings on 7/14/26 on pump	jnavarro	Weekly
Reverse Osmosis System	RO System - Cartridge Filters	F-6100-2	Cartridge Filter Vessel 2	Check for leaks	07/15/2026 03:09 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - Cartridge Filters	F-6100-1	Cartridge Filter Vessel 1	Check for leaks	07/15/2026 03:09 PM	Checked	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - CIP System	T-6500	RO CIP Tank	Inspect tank connections and fittings;Inspect tank integrity	07/15/2026 03:09 PM	Inspected	Excellent		jnavarro	Weekly
Reverse Osmosis System	RO System - CIP System	F-6565	RO CIP Bag Filter	Check for leaks	07/15/2026 03:09 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Treatment Process Units	ARV-4601	ARV-4601	Check For Leaks	07/15/2026 03:16 PM	Checked	Good		jnavarro	Weekly
Treatment Process Units	Treatment Process Units	ARV-4251	ARV-4251	Check For Leaks	07/15/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Quenching LPGAC	LGAC F-4750A	LPGAC Vessel A	Check for leaks;Inspect Vessel Air Release Valves	07/15/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-C	Bag Filter Vessel C	Check for leaks	07/15/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-D	Bag Filter Vessel D	Check for leaks;Check for leaks and damages	07/15/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process	LGAC Systems	LGAC F-4700B	LPGAC Vessel 1B	Check for leaks;Inspect Vessel Air Release Valves	07/15/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly

Process Name	Asset Type	Tag ID	Asset Name	O&M Activity	Completed Date	Asset Notes	Condition Score	Comments	Completed By	Inspection Cycle
Units										
Treatment Process Units	UV System	UV-4600A	UV Reactor Vessel 1A	Check for leaks;Inspect Vessel Air Release Valves	07/15/2026 03:16 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	LGAC Systems	LGAC F-4700A	LPGAC Vessel 1A	Check for leaks;Inspect Vessel Air Release Valves	07/15/2026 03:17 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	RO System - Multimedia Filters	F-4400-2	Multimedia Filter Vessel 2	Backwash Vessel	07/15/2026 03:17 PM	Verified	Excellent	7/15/26	jnavarro	Quarterly
Treatment Process Units	RO System - Multimedia Filters	F-4400-1	Multimedia Filter Vessel 1	Backwash Vessel	07/15/2026 03:18 PM	Verified	Excellent	7/15/26	jnavarro	Quarterly
Treatment Process Units	RO System - Multimedia Filters	F-4400-2	Multimedia Filter Vessel 2	Check for leaks;Inspect Vessel Air Release Valves	07/15/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-A	Bag Filter Vessel A	Check for leaks	07/15/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	Bag Filters	F-4800-B	Bag Filter Vessel B	Check for leaks	07/15/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly
Treatment Process Units	RO System - Multimedia Filters	F-4400-1	Multimedia Filter Vessel 1	Check for leaks;Inspect Vessel Air Release Valves	07/15/2026 03:18 PM	Checked	Excellent		jnavarro	Weekly
Booster Pumps	Raw Water Booster Pumps	P-4250A	Raw Water Booster Pump A	Inspect for leaks and noise;Lubricate Motor	07/20/2026 12:52 PM	Verified	Excellent	Powers Bros Machine replaced upper and lower bearings on P4250A. Also greased new bearings. Pump tested	dto	Weekly
Booster Pumps	Raw Water Booster Pumps	P-4250B	Raw Water Booster Pump B	Inspect for leaks and noise	07/20/2026 01:02 PM	Verified	Good		dto	Weekly
SZ Extraction Wells	Wells	P-4000	EW-C	Monitor Discharge Pressure;Monitor Flow Rates	07/20/2026 01:03 PM	Checked	Excellent		dto	Daily
SZ Extraction Wells	Wells	P-4100	EW-N	Monitor Discharge Pressure;Monitor Flow Rates	07/20/2026 01:03 PM	Asset Needs Repair	Fair	Out of service	dto	Daily

Total Number of Inspections - 164.00

Process Name	Count
Analyzers	18
SZ Extraction Wells	10
Storage Tanks	8
Chemical Feed Systems	49
Booster Pumps	17
Reverse Osmosis System	18
Treatment Process Units	41
Ancillary Equipment	3

La Puente Water District August 2026 Disbursements

Check #	Payee	Amount	Description
542	Alexandra Guevara	\$ 505.00	Cleaning Service
543	Applied Technology Group Inc	\$ 30.00	Radio System
544	Cintas	\$ 249.03	Uniform Service
545	CJ Brown & Company CPAs	\$ 3,720.00	Professional Services July 2026
546	Corporate Billing LLC Dept	\$ 839.71	Truck Maintenance Expense
547	GoTo Technologies USA, LLC	\$ 144.94	VOIP Phone System
548	Grainger Inc	\$ 211.53	Equipment Sundries and Tools
549	Highroad IT	\$ 2,276.50	Technical Support
550	Industry Business Council	\$ 225.00	IBC Membership
551	Industry Hose & Fasteners	\$ 14.42	Field Supplies
552	Merritt's Hardware	\$ 450.36	Field Supplies
553	New Horizons Comm. Corp (NHC)	\$ 277.33	Telephone Service
554	O'Reilly Auto Parts	\$ 99.16	Truck Supplies
555	S & J Supply Co Inc	\$ 809.79	Inventory
556	SC Edison	\$ 14,375.84	Power Expense
557	SG Creative , LLC	\$ 230.00	Publications and Website
558	Smith System Driver Improvement Institute	\$ 609.95	Seminars and Certification - Staff
559	Starting Line Advisory	\$ 2,300.00	Administrative Support
560	State Water Resources Control Board	\$ 60.00	Water Distribution Certification - Davis To
561	T-Mobile USA Inc	\$ 380.06	Cellular Service
562	Underground Service Alert	\$ 107.25	Line Notifications
563	Valley Vista Services	\$ 458.46	Trash Service
564	Verizon Connect Fleet USA LLC	\$ 124.45	Vehicle Trackers
565	Vulcan Materials Company	\$ 1,624.64	Asphalt and Concrete
566	Weck Laboratories Inc	\$ 843.00	Water Sampling
567	Smith System Driver Improvement Institute	\$ 609.95	Seminars and Certification - Staff
568	Waste Management of SG Valley	\$ 237.11	Trash Service
569	David Hastings	\$ 259.83	Tri-State Conference Expenses
570	Santiago E Loera Jr	\$ 204.13	Tri-State Conference Expenses
571	South Coast Air Quality Mgmt Dist	\$ 473.20	Rule 1403 Compliance Class
572	Airgas USA LLC	\$ 79.49	Field Supplies - BP
573	Grainger Inc	\$ 85.06	Field Supplies - BP
574	Northstar Chemical	\$ 20,201.14	Chemical Expense
575	Stetson Engineers Inc	\$ 1,364.57	PFAS Sampling/Testing/upgradient Monitoring
576	Weck Laboratories Inc	\$ 6,460.00	Water Sampling
577	Weck Laboratories Inc	\$ 6,484.25	Water Sampling
578	Weck Laboratories Inc	\$ 3,260.75	Water Sampling
579	Chevron	\$ 4,754.39	Fuel Expense
580	Columbia Bank	\$ 98,928.77	Bank Loan
581	Grainger Inc	\$ 114.82	Field Supplies
582	Hacienda Lawnmower	\$ 278.02	Small Equipment Repair
583	Highroad IT	\$ 827.88	Computer Equipment
584	Petty Cash	\$ 20.58	Administrative Expense

La Puente Water District August 2026 Disbursements - continued

Check #	Payee	Amount	Description
585	Red Wing Shoes	\$ 350.00	Boot Allowance
586	Right of Way Inc	\$ 65.72	Operating Expense
587	SC Edison	\$ 472.33	Power Expense
588	Weck Laboratories Inc	\$ 324.00	Water Sampling
589	Western Water Works	\$ 1,864.80	Inventory
590	Spectrum Business	\$ 500.41	Telephone Service
591	Sieglinde Tate	\$ 46,312.94	Leasing Main SG Basin Water Production Rights
592	VCOM Solutions Inc	\$ 85.45	Telephone Service
593	CAT Specialties Inc	\$ 1,403.35	Office /Field Shirts
594	Answering Service Care, LLC	\$ 229.58	Answering Service
595	Citi Cards	\$ 3,728.89	Operating/Administrative Expenses
596	InfoSend	\$ 1,340.48	Billing Expense
597	Upper San Gabriel Valley MWD	\$ 771.25	Recycled Water Charge
598	Vulcan Materials Company	\$ 307.05	Concrete and Asphalt
599	Weck Laboratories Inc	\$ 120.00	Water Sampling
600	Western Water Works	\$ 23.16	Equipment Sundries and Tools
601	Luis Serrano	\$ 155.53	Tri-State Conference Expenses
602	West Yost & Associates, Inc	\$ 219.00	AWIA Cyber Assessments
603	A&J Repair Services LLC	\$ 2,051.57	Equipment Repair
604	State Water Resources Control Board	\$ 105.00	T4 Application for Certification - Edward Fierro
605	ACWA/JPIA	\$ 49,960.83	Health Benefits
606	American Family Life Assurance Co	\$ 615.00	Employee Funded Insurance
607	Canon Financial Services, Inc	\$ 165.86	Printing Expense
608	Cintas	\$ 249.03	Uniform Service
609	Continental Utility Solutions Inc	\$ 44.50	Billing Expense
610	Flex Technology Group LLC	\$ 63.01	Printing Expense
611	Haddick's Towing LLC	\$ 75.00	Compliance
612	Lagerlof LLP	\$ 5,890.00	Attorney Fee's
613	Mutual of Omaha	\$ 1,610.07	Life & Disability Insurance
614	Peck Road Gravel	\$ 440.00	Concrete and Asphalt
615	Public Water Agencies Group	\$ 823.00	Emergency Preparedness Program
616	S & J Supply Co Inc	\$ 801.97	Developer Job - 206 Stimson
617	San Gabriel Valley Water Company	\$ 310.61	Water Service
618	Uline Inc	\$ 52.40	Equipment Sundries and Tools
619	United Concordia Insurance Co	\$ 3,718.64	Dental Insurance
620	Weck Laboratories Inc	\$ 370.00	Water Sampling
621	SC Edison	\$ 51,102.64	Power Expense
622	VCOM Solutions Inc	\$ 85.45	Telephone Service
ACH	Ameriflex	\$ 72.00	FSA Admin Fees
ACH	Ameriflex	\$ 1,013.33	FSA Payable
Autodeduct	Bluefin Payment Systems	\$ 275.86	Web CC Fee's July 2026
Autodeduct	Bluefin Payment Systems	\$ 29.15	Tokenization Fee's
Autodeduct	Evolv, Inc	\$ 166.03	Merchant Fee's - July 2026
Autodeduct	Evolv, Inc	\$ 6.50	iPOSPay - Terminal Fee - August 2026
Online	Lincoln Financial Group	\$ 10,716.90	Deferred Comp
Online	Franchise Tax Board	\$ 598.30	Withholding Order

La Puente Water District August 2026 Disbursements - continued

Check #	Payee	Amount	Description
Online	CalPERS	\$ 21,861.08	Retirement Program
Online	Home Depot	\$ 123.25	Field Supplies
Online	County Sanitation Dists of LA County	\$ 1,367.90	Wastewater Treatment Surcharge FY 25-26
Online	Employment Development Dept	\$ 7,044.90	California State & Unemployment Taxes
Online	United States Treasury	\$ 39,519.43	Federal, Social Security & Medicare Taxes
	Total Payables	<u>\$ 435,213.51</u>	

La Puente Valley County Water District
Payroll Summary
August 2026

	Aug 26
Employee Wages, Taxes and Adjustments	
Gross Pay	
Total Gross Pay	171,247.02
Adjusted Gross Pay	156,680.18
Taxes Withheld	
Federal Withholding	-15,897.00
Medicare Employee	-2,470.92
Social Security Employee	-9,319.63
CA - Withholding	-6,969.57
Medicare Employee Addl Tax	-41.33
Total Taxes Withheld	-34,698.45
Deductions from Net Pay	
Total Deductions from Net Pay	0.00
Net Pay	121,981.73
Employer Taxes and Contributions	
Medicare Company	2,470.92
Social Security Company	9,319.63
CA - Unemployment	70.62
CA - Employment Training Tax	4.71
Total Employer Taxes and Contributions	13,670.30

La Puente Water District August 2026 Disbursements

Total Vendor Payables	<u>\$ 435,213.51</u>
Total Payroll	<u>\$ 121,981.73</u>
Total August 2026 Disbursements	<u>\$ 557,195.24</u>

Industry Public Utilities August 2026 Disbursements

Check #	Payee	Amount	Description
360	Lynn Wong	\$ 3,512.10	Developer Deposit Refund:238 S 3rd Ave
361	Cintas	\$ 249.00	Uniform Expense
362	Highroad IT	\$ 1,365.90	Technical Support
363	Merritt's Hardware	\$ 118.11	Field Supplies
364	New Horizons Comm. Corp (NHC)	\$ 306.25	Telephone Service
365	Starting Line Advisory	\$ 375.00	Administrative Support
366	T-Mobile USA Inc	\$ 294.19	Cellular Expense
367	Underground Service Alert	\$ 107.25	Line Notifications
368	Verizon Connect Fleet USA LLC	\$ 124.44	Vehicle Tracking
369	Vulcan Materials Company	\$ 1,624.62	Asphalt / Concrete
370	Weck Laboratories Inc	\$ 363.00	Water Sampling
371	Go To Technologies USA, LLC	\$ 144.93	Telephone Service
372	County Sanitation Dists of LA County	\$ 103.50	Grounds Maintenance
373	Duthie Power Services	\$ 905.24	General Plant Annual Maintenance
374	Grainger Inc	\$ 95.19	Sundries and Tools
375	Highroad IT	\$ 496.73	Nuc15 Pro Mini Processor- Alyssa Arana
376	Petty Cash	\$ 10.20	Office Expense
377	Right of Way Inc	\$ 39.42	Operating Expense
378	SC Edison	\$ 22,585.37	Power Expense
379	SoCal Gas	\$ 14.30	Gas Expense
380	Spectrum Business	\$ 69.91	Telephone Service
381	Vcom Solutions Inc	\$ 256.35	Telephone Service
382	Waste Management	\$ 85.00	Trash Service
383	Answering Service Care, LLC	\$ 229.57	Answering Service
384	Citi Cards	\$ 353.99	Operating/Administrative Expenses
385	Industry Public Utility Commission	\$ 1,543.56	Power Expense @ Industry Hills
386	InfoSend	\$ 1,027.15	Billing Expense
387	Janus Pest Management Inc	\$ 65.00	Rodent Control
388	Main SG Basin Watermaster	\$ 223,017.54	2025-2026 Production Assessments
389	Vulcan Materials Company	\$ 307.05	Asphalt / Concrete
390	Western Water Works	\$ 23.15	Sundries and Tools
391	Canon Financial Services, Inc	\$ 165.84	Printing Expense
392	Cintas	\$ 249.00	Uniform Expense
393	Continental Utility Solutions Inc	\$ 30.20	Web Portal Maint / Jack Henry
394	Flex Technology Group LLC	\$ 63.00	Printing Expense
395	Haddick's Auto Body & Towing	\$ 75.00	20' Container Tow
397	Peck Road Gravel	\$ 440.00	Concrete / Asphalt
398	Uline Inc	\$ 52.40	Sundries and Tools
399	Vcom Solutions Inc	\$ 256.35	Telephone Service
400	Weck Laboratories Inc	\$ 163.50	Water Sampling

Industry Public Utilities August 2026 Disbursements - continued

Autodeduct	Bluefin Payment Systems	\$ 1,736.79	Web CC Fee's
Autodeduct	Evolve,Inc	\$ 77.00	Merchant Fee's - July 2026
Autodeduct	Evolve,Inc	\$ 6.50	iPOSPay - Terminal Fee - August 2026
Autodeduct	Bluefin Payment Systems	\$ 24.30	Tokenization Fee - July 2026

Online

Home Depot Credit Services

\$

27.04 Field Supplies

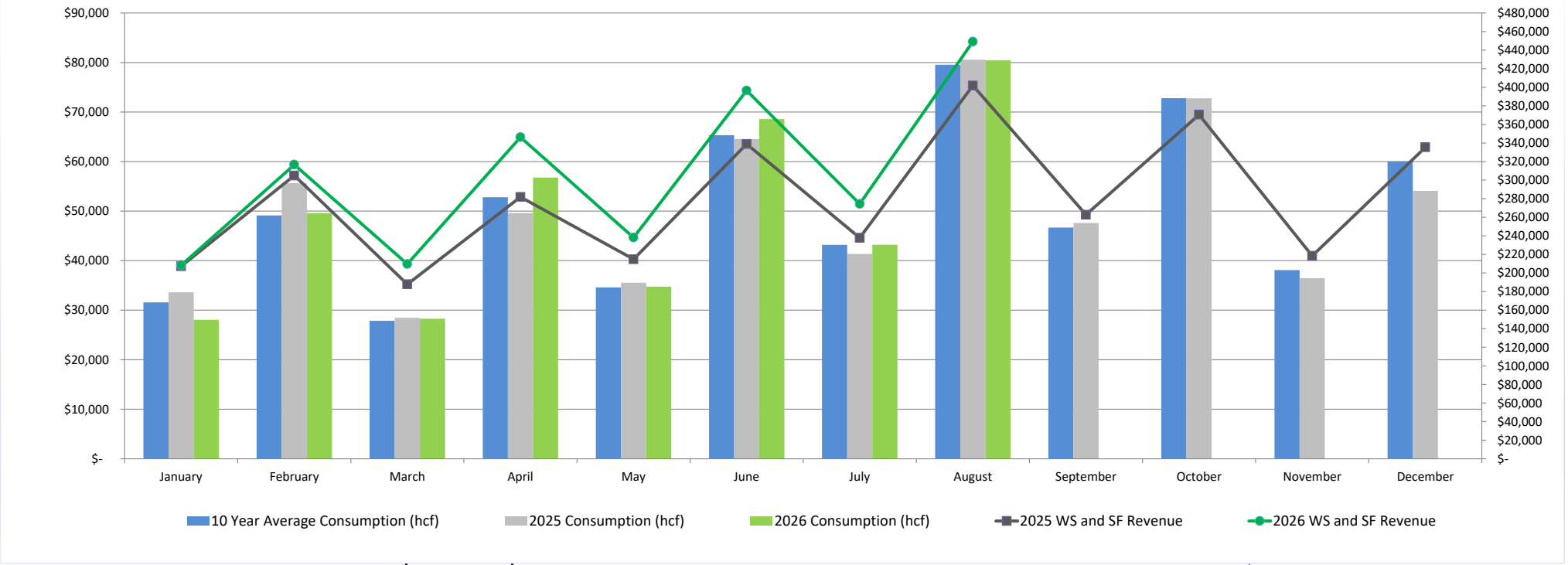
Total August 2026 Disbursements

\$

263,179.93

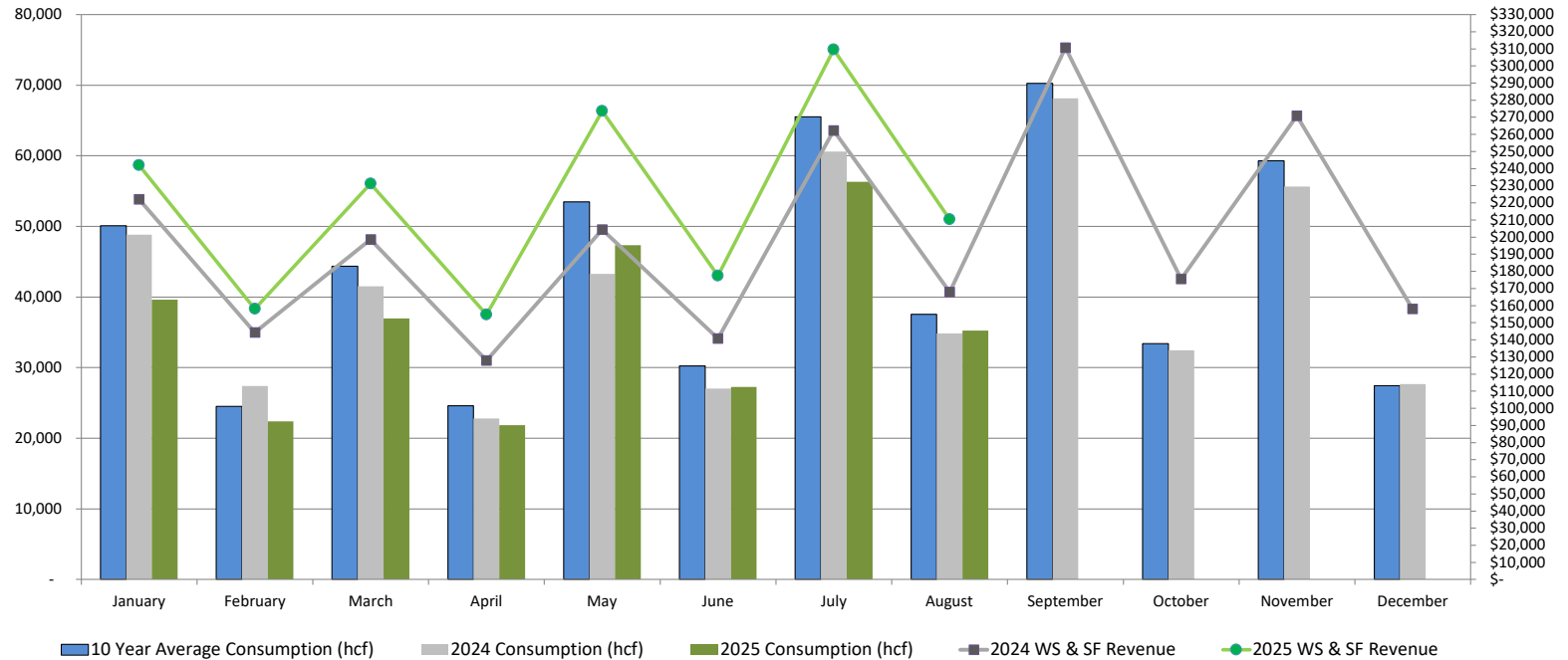
WATER SALES REPORT LPVCWD 2026

LPVCWD	January	February	March	April	May	June	July	August	September	October	November	December	YTD
No. of Customers	1,252	1,254	1,252	1,253	1,250	1,255	1,252	1,255	-	-	-	-	10,023
2026 Consumption (hcf)	28,051	49,586	28,280	56,753	34,734	68,582	43,204	80,448	-	-	-	-	389,638
2026 Water Sales	\$ 109,936	\$ 199,796	\$ 110,732	\$ 229,321	\$ 139,328	\$ 279,360	\$ 175,766	\$ 331,685	\$ -	\$ -	\$ -	\$ -	\$ 1,575,925
2025 Water Sales	\$ 119,611	\$ 201,103	\$ 99,733	\$ 178,176	\$ 126,909	\$ 234,909	\$ 150,001	297,671	\$ 175,074	\$ 266,170	\$ 130,837	\$ 218,387	\$ 2,198,581
2026 Service Fees	\$ 98,340	\$ 116,867	\$ 98,913	\$ 116,935	\$ 98,795	\$ 117,130	\$ 98,615	\$ 117,337	\$ -	\$ -	\$ -	\$ -	\$ 862,932
2025 Service Fees	\$ 87,672	\$ 103,773	\$ 88,039	\$ 103,642	\$ 87,872	\$ 103,970	\$ 87,917	\$ 104,150	\$ 87,604	\$ 104,306	\$ 87,622	\$ 116,944	\$ 1,163,508
2026 WS and SF Revenue	\$ 208,276	\$ 316,663	\$ 209,645	\$ 346,257	\$ 238,123	\$ 396,490	\$ 274,381	\$ 449,021	\$ -	\$ -	\$ -	\$ -	\$ 2,438,857
2025 WS and SF Revenue	\$ 207,283	\$ 304,876	\$ 187,771	\$ 281,818	\$ 214,780	\$ 338,878	\$ 237,918	\$ 401,821	\$ 262,678	\$ 370,476	\$ 218,459	\$ 335,332	\$ 3,362,089
2026 Hyd Fees	\$ 950	\$ 750	\$ 950	\$ 750	\$ 950	\$ 750	\$ 950	\$ 750	\$ -	\$ -	\$ -	\$ -	\$ 6,800
2026 DC Fees	\$ 1,296	\$ 31,525	\$ 1,296	\$ 31,503	\$ 1,296	\$ 31,525	\$ 1,296	\$ 31,525	\$ -	\$ -	\$ -	\$ -	\$ 131,264
2026 System Revenue	\$ 210,522	\$ 348,939	\$ 211,891	\$ 378,510	\$ 240,370	\$ 428,766	\$ 276,628	\$ 481,297	\$ -	\$ -	\$ -	\$ -	\$ 2,576,921



WATER SALES REPORT CIWS 2026

CIWS	January	February	March	April	May	June	July	August	September	October	November	December	YTD
No. of Customers	978	893	976	890	977	892	975	890	-	-	-	-	7,471
2025 Consumption (hcf)	39,645	22,385	36,982	21,873	47,357	27,269	56,304	35,263	-	-	-	-	287,078
2024 Consumption (hcf)	48,824	27,419	41,544	22,823	43,287	27,061	60,584	34,839	68,126	32,462	55,645	27,661	490,275
10 Year Average Consumption (hcf)	50,108	24,539	44,354	24,628	53,456	30,239	65,512	37,555	70,264	33,400	59,281	27,465	520,800
2025 Water Sales	\$ 147,524	\$ 83,349	\$ 137,477	\$ 80,644	\$ 179,206	\$ 102,906	\$ 215,559	\$ 136,044	\$ -	\$ -	\$ -	\$ -	\$ 1,082,710
2024 Water Sales	\$ 152,132	\$ 88,433	\$ 128,604	\$ 72,093	\$ 134,366	\$ 85,005	\$ 192,286	\$ 111,836	\$ 240,447	\$ 113,373	\$ 193,354	\$ 95,986	\$ 1,607,915
2025 Service Fees	\$ 94,484	\$ 74,648	\$ 93,807	\$ 74,147	\$ 94,423	\$ 74,510	\$ 93,967	\$ 74,365	\$ -	\$ -	\$ -	\$ -	\$ 674,352
2024 Service Fees	\$ 69,937	\$ 55,806	\$ 69,959	\$ 55,844	\$ 69,951	\$ 55,826	\$ 70,001	\$ 56,074	\$ 70,292	\$ 62,223	\$ 77,499	\$ 62,142	\$ 775,554
2025 Hyd Fees	\$ 1,600	\$ 400	\$ 1,500	\$ 300	\$ 1,600	\$ 300	\$ 1,600	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ 7,600
2025 DC Fees	\$ 26,340	\$ 9,086	\$ 24,894	\$ 8,476	\$ 26,059	\$ 8,378	\$ 26,157	\$ 8,194	\$ -	\$ -	\$ -	\$ -	\$ 137,584
2025 System Revenues	\$ 269,949	\$ 167,484	\$ 257,679	\$ 163,566	\$ 301,288	\$ 186,095	\$ 337,283	\$ 218,903	\$ -	\$ -	\$ -	\$ -	\$ 1,902,246



STAFF Report



Meeting Date: September 14, 2026

To: Honorable Board of Directors

Subject: Rehabilitation of the Industry Public Utilities Waterworks Systems' Pump Station No. 3 Booster No. 3

Purpose: *Secure Services from Tri County Pump Company to Rehabilitate Industry Public Utilities Waterworks System's Pump Station No. 3 Booster No. 3*

Recommendation: *Authorize the General Manager to Proceed with the Work as Proposed by Tri-County Pump Company for Pump Station No. 3 Booster No. 3. For a Total Amount Not to Exceed \$49,765.40.*

Fiscal Impact: *Industry Public Utilities Waterworks System's 2026/2027 Fiscal Year O&M Budget appropriates \$160,000 for Well & Pump Maintenance. The 2026/2027 Fiscal year-to-date total for this expense category is \$22.47. The proposed cost for this work is \$49,765.40, which is within the Budget appropriation.*

BACKGROUND

Industry Public Utilities Waterworks System's (IPUWS) Industry Hills Pump Station No. 3 is a secondary or back-up source that can be used to fill the Industry Hills East & West Reservoirs with up to 2.5 million gallons of water each to supply Industry Hills and the City of Industry service area managed by LPVCWD. Industry Hills Pump Station No. 3 intakes water from a 16" water main coming directly from LPVCWD and pumps the water directly up to the two Industry Hills reservoirs.

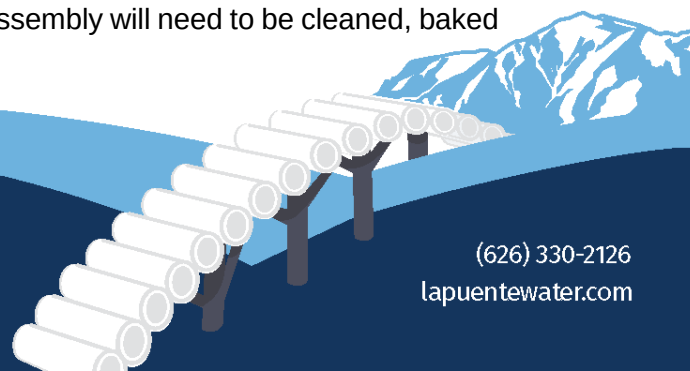
At the beginning of this year staff implemented rehabilitation projects at each of the City of Industry Waterworks Sites, to maintain good mechanical and operational functionality and address issues and/or repairs for aesthetic purposes. During initial inspections of all sites, this booster pump at the Industry Hills Pump Station No. 3 was identified as needing repairs and in-depth inspection. The booster pump and motor were pulled for inspection. Once the inspection was completed, a proposal for the repairs was prepared by the contractor and sent to the District. The proposal is included as **Enclosures 1**.

SUMMARY

Booster Electrical Motor Condition and Recommended Repairs

The electrical motor was removed by the contractor and was delivered to an electrical motor contractor to be disassembled, inspected, tested and electrically measured.

The contractor then prepared a proposal for the work needed to rehabilitate the motor. The motor needs to have the stator winding cleaned, dipped and baked. The rotor assembly will need to be cleaned, baked and dynamically balanced.



The motor will receive new motor bearings, oil level sight glass, fill plug and o-rings and a re-seal of the oil level sight glasses and standpipes. The motor will then be cleaned, primed and all parts painted. The motor will be reassembled and a full voltage, no load test will be conducted.

Booster Pump Equipment Condition and Recommended Repairs

The pump assembly was removed by the contractor and taken to their facility for disassembly and inspection. Based on their findings, the contractor then prepared a proposal for the repairs. The pump bowl assembly, the column pipe, shafting, packing box, and pump head need to be replaced due to deterioration, wear, and a hole in the pump head. The discharge head, packing box, hanger flange, and bowls will be sandblasted and prepped for paint. A list of materials for the repair and replacement of all the itemized and specific parts and quantities is specified in the proposal provided by the contractor and included in this memo as **Enclosures 1**. In addition, staff requested the current packing box and packing seal be replaced with new mechanical seal and box, to update the pump and help prevent water leakage and future damage to the new pump discharge head.

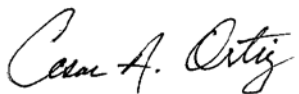
FISCAL IMPACT

Industry Public Utilities Waterworks System's 2026/2027 Fiscal Year O&M Budget appropriates \$160,000 for Well & Pump Maintenance. The 2026/2027 Fiscal year-to-date total for this expense category is \$22.47. The proposed total cost for this work is \$49,765.40, which is within the Budget appropriation.

RECOMMENDATION

Authorize the General Manager to Proceed with the Work as Proposed by Tri-County Pump Company for the Total Amount Not to Exceed \$49,765.40 for Pump Station No. 3 Booster No. 3.

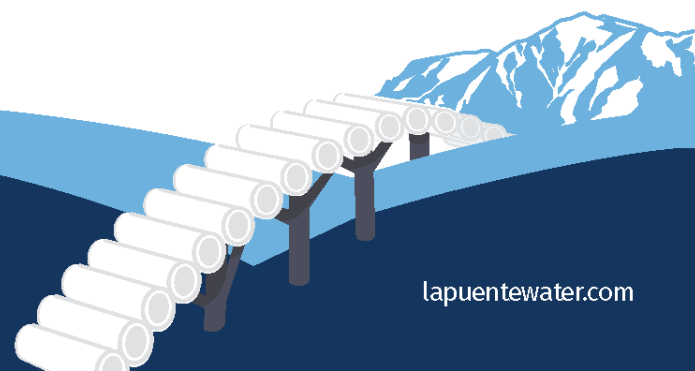
Respectfully Submitted,



Cesar A. Ortiz
Operations & Treatment Superintendent

ENCLOSURES

Enclosure 1: Proposal from Tri County Pump Company – Pump Station No. 3 Booster No. 3 Rehabilitation





September 4, 2026

La Puente Valley County Water District
112 N. First Street
La Puente, CA 91744

Quote Number: 090426-1DS

Attention: Mr. Cesar Ortiz

Subject: Pump Station 3 Booster 3

We have disassembled, inspected and documented the subject pump. The bowl assembly, column pipe, shafting, packing box and head all need to be replaced due to deterioration, wear and holes. The following is our estimate to replace as needed, install and perform start up.

Estimated Field Labor:

Travel to and from jobsite; pull equipment and transport to TCP.	\$2,840.00
Travel to and from jobsite; install equipment and perform start up.	\$3,950.00

Estimated Shop Labor:

* Disassemble and inspect all equipment, sandblast bowls. Machine bowl shaft and packing box. Assemble pump and pump assembly. Coat pump and column pipe and paint discharge head.	\$3,625.00
* Recondition Motor - Disassemble, inspect, test and measure. Clean, dip and bake the stator windings. Clean and bake rotor assembly. Dynamically balance rotor assembly. Reseal oil level stand pipe. Install new bearings, oil level sight glass, fill plug and orings. Clean, prime and paint a parts. Reassemble and perform a full voltage no load test.	\$2,650.00

Estimated Materials:

(1) 13-1/8" x 5-3/4" Long SS Basket Strainer W/ Vortex	\$1,025.00
(1) 1-15/16" x 54-1/4" to 1-1/2" 416 SS Bowl Shaft	\$950.00
(1) 13CLC 3 Stage Bowl Assembly 1,100GPM @ 174TDH	\$11,000.00
(1) 8" x 27-1/2" TBE Butt Column Pipe	\$380.00
(1) 1-1/2" x 45-3/4" 416 SS Line Shaft	\$480.00
(2) 1-1/2" 304 SS Line Shaft Couplings	\$160.00
(1) Discharge Head W/ Hanger Flange	\$12,420.00
(1) New Seal Box and Mechical Seal	\$2,000.00
(1) 1-1/2" x 42-7/8" 416 SS Head Shaft	\$580.00
(1) Lot; Motor Material (SKF Bearings, 115 volt space heaters. oil level sight glass and oil fill plug.)	\$1,050.00
(1) Lot; Miscellaneous Shop Supplies (Paint, Gaskets, Oil, Coating, Electrical Connection, Etc.)	\$2,895.00
(1) Lot; Estimated Incoming Freight	\$500.00

Estimated Labor	\$13,065.00
Estimated Material	\$33,440.00
Estimated Tax @ 9.75%	\$3,260.40
Total Estimate	\$49,765.40

We appreciate this opportunity to be of service and look forward to working with you. We trust that this estimate will suffice for your needs, and should any additional information be required, please do not hesitate to contact us.



This estimate is valid for thirty (30) days from the above date, and subject to review thereafter.

Sincerely,

Dennis Skinner

Use PO # _____ Signed _____ Date: _____

Please fax this authorization to 909 888-3653 or email dennis@tricountypump.net

STAFF Report



Meeting Date: September 14, 2026

To: Honorable Board of Directors

Subject: Consideration of Award of Contract for General Engineering Services for Water Treatment System Optimization, Technical Review, and Operational Support for the PVOU-IZ and SZ Treatment Facilities.

Purpose: *To secure services from Trussell Technologies, Inc. for professional engineering services to the support the PVOU-IZ and SZ Treatment Facilities.*

Recommendation: *Authorize the General Manger to enter into an agreement with Trussell Technologies, Inc. for professional engineering services to support the PVOU-IZ and SZ Treatment Facilities, in a not-to-exceed annual amount of \$442,545.00.*

Fiscal Impact: *The proposed services cost of \$442,545.00 will be incorporated into future PVOU-IZ and SZ quarterly budget appropriations and is considered a PVOU-IZ and SZ related expense.*

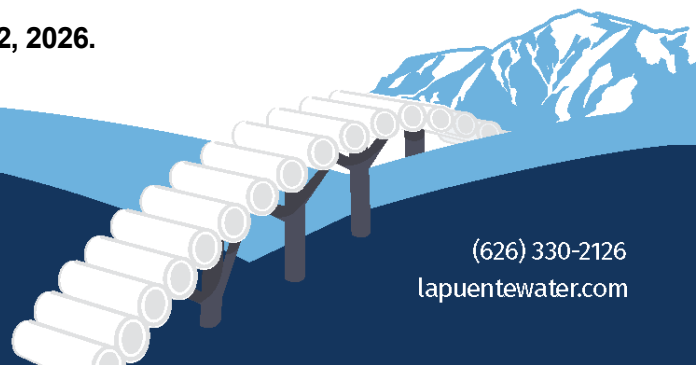
BACKGROUND

The District operates the PVOU-IZ and SZ treatment facilities pursuant to agreements with Northrop Grumman Systems Corporation (NG). The complexity of the treatment facilities requires access to specialized engineering expertise to support process optimization, technical reviews, operational troubleshooting, regulatory compliance, and evaluation of proposed system modifications.

To obtain these services through a competitive process, the District prepared a Request for Proposals to seek out a qualified engineering consultant to provide general engineering support that included:

- Process engineering and system optimization;
- Technical review of proposed system modifications;
- Review of updates or changes to standard operating procedures;
- Engineering support for routine and non-routine operational issues;
- Root-cause analysis and troubleshooting of treatment process upsets;
- Engineering analysis and data evaluation;
- Review of anticipated procurement needs and critical spare parts;
- Participation as LPVCWD's technical lead on bi-weekly meetings with EPA, NG and NG's technical consultants
- Recommendations to reduce chemical and electrical usage; and
- Recommendations to improve preventative maintenance and overall system reliability.

The RFP was issued on **July 1, 2026**, with proposals due on **July 22, 2026**.



District staff directly distributed the RFP to eight engineering consulting firms with experience in water treatment, process engineering, system optimization, and related technical services. The firms contacted were Trussell Technologies, Civiltec Engineering, Hazen and Sawyer, Carollo Engineers, HDR, CDM Smith, Black & Veatch, and Geosyntec Consultants.

The procurement results are summarized below:

Engineering Consultant	Invited to Submit Proposal	Procurement Result	Proposal Amount
Trussell Technologies	Yes	Proposal submitted	\$442,545
Civiltec Engineering	Yes	Declined / did not submit	N/A
Hazen and Sawyer	Yes	Did not submit	N/A
Carollo Engineers	Yes	Did not submit	N/A
HDR	Yes	Did not submit	N/A
CDM Smith	Yes	Did not submit	N/A
Black & Veatch	Yes	Did not submit	N/A
Geosyntec Consultants	Yes	Did not submit	N/A

The District received one proposal by Trussell Technologies for a total not-to-exceed amount of \$442,545. The remaining seven firms did not submit proposals. Communications regarding the solicitation indicated that the firms' decisions were associated generally with workload commitments, staffing limitations, or resource constraints.

SUMMARY OF PROPOSAL RECEIVED

Although only one proposal was received, staff reviewed Trussell Technologies' proposal for responsiveness to the RFP and evaluated the firm's proposed technical approach, qualifications, project team, anticipated level of effort, and ability to provide the specialized treatment-process support required by the District. Based on this review, staff determined that Trussell Technologies possesses the qualifications and technical expertise necessary to support the District's treatment operations and water quality objectives for the PVOU-IZ and PVOU-SZ facilities.

The proposed services will give District staff access to specialized assistance for treatment optimization, technical analysis, operational troubleshooting, regulatory matters, and review of future facility modifications.

APPROVALS

Following the District's review, a summary and supporting procurement documentation were sent to NG for review and on August 31, 2026, NG confirmed its approval of the District's engagement of Trussell Technologies.

FISCAL IMPACT

The proposed services cost of \$442,545.00 will be incorporated into future PVOU-IZ and SZ quarterly budget appropriations and is considered a PVOU-IZ and SZ related expense.

RECOMMENDATION

Authorize the General Manger to enter into an agreement with Trussell Technologies, Inc. for professional engineering services to support the PVOU-IZ and SZ Treatment Facilities, in a not-to-exceed annual amount of \$442,545.00.

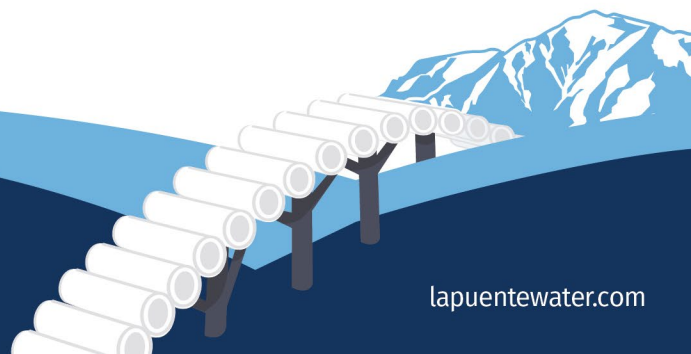
Respectfully Submitted,



Roy Frausto
General Manager

ENCLOSURES

- Trussell's Proposal





General Engineering Services for Water Treatment System Optimization and Technical Support

July 22, 2026



PREPARED FOR



3.1 Letter of Transmittal

July 22, 2026

Roy Frausto
La Puente Valley County Water District
112 N First Street
La Puente, California 91744

Subject: Proposal for General Engineering Services for Water Treatment System Optimization, Technical Review, and Operational Support

Dear Roy,

Trussell is excited to work with the La Puente Valley County Water District (District) on this proposal. The information requested in the cover letter is provided herein.

3.1.1 Legal company name, address, telephone number(s) and website.

Trussell Technologies, Inc.
224 N Fair Oaks FL 2
Pasadena, CA 91103
Ph.(626) 486-0560
www.trusselltech.com

3.1.2 Name, title, email address, and telephone number of the person(s) to contact and who are authorized to represent the firm and to whom correspondence should be directed.

David R. Hokanson, Ph.D., P.E., BCEE
Principal Engineer
Email: davidh@trusselltech.com
Ph. (626) 318-5147

3.1.3 Federal and State taxpayer identification numbers of the firm.

95-4832722

3.1.4 A brief statement of the services to be performed and a positive commitment to provide them if selected

Trussell Technologies, Inc. (Trussell) is pleased to submit this proposal to support the District in providing oversight of the source water quality and the treatment trains associated with the intermediate zone (IZ) remedy and the shallow zone (SZ) remedy. Trussell was intimately involved in the development of the intermediate zone remedy and will leverage that experience in the execution of this project. With a team vastly experienced in operational oversight and process engineering, Trussell will provide process engineering support, system optimization recommendations, technical review, operational troubleshooting and engineering analysis for the IZ and SZ remedies.

Trussell is fully committed and excited to perform the work described in this proposal for District.

3.1.5 The letter must be signed by a corporate officer or person authorized to bind the vendor to the proposal and cost schedule.

Dr. Hokanson has this authority and will sign the proposal.

3.1.6 Required Commitment

The proposal and cost schedule will be valid and binding for ninety (90) days following the proposal due date and will become part of the contract negotiated with District for the term of the contract.

We are looking forward to working with you and the District's operators on this challenging project. I am available to discuss all aspects of this proposal in further detail as needed.

Sincerely,



David R. Hokanson, Ph.D., P.E., BCEE
Principal Engineer, Trussell Technologies Inc.
224 N Fair Oaks Ave Floor 2
Pasadena, CA 91103
(626) 318-5147, davidh@trusselltech.com

3.2 Proposal

As requested, the proposal is formatted with the sequence described in the RFP.

3.2.1 Proposal Summary, including why the Consultant is pursuing the work, and how the Consultant is qualified to perform the services

Why the Consultant is Pursuing the Work

Trussell Technologies (Trussell) is a firm that focuses on all things water from groundwater to surface water to wastewater to potable reuse; on all aspects of a treatment train from pretreatment to treatment to post treatment; and on all aspects of process implementation from preliminary design to design to regulatory / Permit Amendments to Operations Plans to Monitoring Plans to construction, to startup and commissioning to training to operational support downstream of startup. Our work focuses on process and water quality and the breadth of these water matrices and areas of expertise allows Trussell to help water utilities navigate challenges that occur during operations.

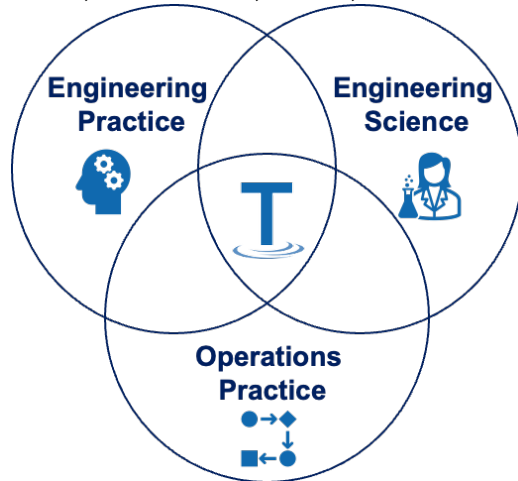
Trussell also has experience working with a number of the operable units in the Southern California area including the Puente Valley Operable Unit (PVOU), the Baldwin Park Operable Unit (BPOU), the South El Monte Operable Unit (SEMOU), and the Whittier Narrows Operable Unit (WNOU). Trussell looked at granular activated carbon (GAC) treatment by performing Rapid Small-Scale Column Testing (RSSCT) for the WNOU. Trussell performed oversight of the development of the treatment system for the City of Monterey Park including UV AOP and GAC using its expertise to provide input to the design team and to overcome challenges in getting regulatory approvals. For the PVOU, Trussell was instrumental in developing the design basis and the Basis of Design Report for a treatment train that includes GAC, ion exchange, UV advanced oxidation process (UV AOP), and RO. For the BPOU, Trussell worked on solving operational challenges for an existing plant operated by the District. At this plant, Trussell helped the District achieve improvements of both their air stripping and ion exchange systems. Trussell has also done multiple projects where they looked at managing operational data and performing statistical analyses to observe trends, identify potential changes needed, and make recommendations. Finally, Trussell has an Plant Operations and Maintenance Services group that digs into the types of issues raised in the RFP on a regular basis.

For these reasons, Trussell is pursuing this exciting project with La Puente Valley County Water District.

How the Consultant is Qualified to Perform the Services

Company Qualifications

Trussell is a California-focused environmental engineering firm with unmatched expertise in developing innovative process and water quality solutions. Since 2003, Trussell has successfully delivered projects for municipal agencies throughout California, addressing complex challenges in water, wastewater, reuse, and desalination. As a certified Small Business



Enterprise (SBE) and Local Business Enterprise (LBE) we provide comprehensive services from planning and conceptual development through pilot testing, full-scale design, permitting and implementation. We take projects from concept through implementation using applied research, treatability expertise, proven regulatory insight and real-world operational knowledge. With a design perspective shaped by hands-on experience in facility operations and optimization, Trussell delivers practical, cost-effective solutions that enhance system reliability and performance even for facilities where capital improvements are limited or constrained.



Capabilities

Trussell is a leader in water industry with a strong focus on drinking water and advanced water treatment. Trussell brings a thorough understanding of process requirements and regulatory frameworks across California, supported by extensive experience navigating state and local permitting environments. Our broad client base throughout California spans diverse sectors and project types, providing us with practical insight into a wide range of applications and delivery models.

Trussell's staff includes highly qualified engineers with extensive technical, field and laboratory experience, including thirteen (13) staff members holding a Ph.D., twenty-four (24) California-registered professional engineers, six (6) Wastewater Treatment Plant Operators (WTPO) and three (3) Advanced Water Treatment (AWT) operators.

Trussell's Engineering Staff engage in a range of projects, including the evaluation, design, regulatory and permitting of processes for drinking water, water recycling, potable reuse, and wastewater, feasibility studies and master plans, laboratory-, pilot-, field- and demonstration-scale treatment and optimization studies; design of full-

scale treatment facilities; water quality assessment; source water watershed sanitary surveys; integration and corrosion mitigation assessment; start-up and commissioning, operations and operator training.

With deep technical expertise across all unit processes, we deliver solutions that are compliant and tailored to the unique operational and regulatory context of each project. **Trussell has extensive experience with membrane processes, UV advanced oxidation processes, granular activated carbon, and ion exchange.**

Operations qualifications

Trussell has a unique Plant Operations and Maintenance Services (POMS) group comprised of engineers specialized in operations and maintenance of facilities. Engineers in this group are registered engineers (P.E.) and hold Wastewater and Advanced Water Treatment Operator certifications. Our engineers combine deep expertise in water quality, regulatory compliance, and treatment processes to develop customized solutions tailored to each client's needs. In addition to proposing conceptual solutions, POMS engineers are hands on and work together with multiple groups (operations, maintenance, electrical, programmers, and instrumentation and controls) in the field to execute practical solutions and expedite troubleshooting. The POMS group has worked with numerous advanced water purification facilities throughout the state of California and have interfaced with DDW as part of routine interactions and when faced with compliance issues. Clients appreciate this unique blend of engineering expertise and operational understanding — often keeping Trussell engaged well beyond project commissioning. For example, the City of San Diego has retained Trussell's services for over a decade, while M1W and the City of Oceanside have relied on our on-call operational support over the past five years. POMS has supported advanced treatment processes including but not limited to membrane filtration, reverse osmosis, advanced oxidation, and ozonation. Trussell also offers a strong local presence, with several engineers based in Southern California available to provide on-site operational support as needed.

Trussell has also provided exceptional operational support for the City of Oceanside and the City of San Diego. Trussell has a long history with both cities, supporting the City of Oceanside's and the City of San Diego's indirect potable reuse concept and feasibility since 2016 and 2014, respectively. These plants have advanced water treatment technologies similar to those in the Districts treatment trains for SZ and IZ including RO and UV AOP. Trussell has been providing technical assistance on several aspects of the Pure Water Oceanside project, including:

- Development of the O&M manual,
- Development of the OOP for submission to the DDW,
- AWPf operator training,
- Develop Standard Operating Procedures and data collection templates
- Support during plant start-up and commissioning, including UV/AOP challenge testing
- Ongoing operations technical support, data review to evaluate process performance, and process optimization after start-up and commissioning,
- Execution of the Mission Groundwater Basin Tracer Study to verify underground retention time,
- As needed technical support to troubleshoot operational and compliance issues, and
- Regulatory compliance reporting

Like Oceanside, the City of San Diego's advanced water treatment train includes MF and RO at a 1 mgd demonstration scale. Trussell operated and maintained the City of San Diego's Pure Water Demonstration Facility (PWDF) for over four years and continues to support operations and maintenance staff to troubleshoot and maintain smooth operations of the facility. During this time, Trussell has provided the following support:

- Development of a meter maintenance plan,
- Performed condition assessment to prolong longevity of demonstration facility for another 10 years,
- Performed mechanical reliability assessment utilizing the Environmental Protection Agency's (EPA) Critical Component Analysis (CCA)
- AWPf operator training,
- Develop Standard Operating Procedures and data collection templates
- Ongoing operations technical support, data review to evaluate process performance, and process optimization,
- As needed technical support to troubleshoot operational, and
- Regulatory compliance reporting



Experience

Trussell has worked on a wide range of groundwater related projects, providing expertise across a multitude of topics. Trussell leverages a deep understanding of water quality and treatment processes to evaluate and develop efficient solutions. The firm has extensive experience evaluating and implementing different technologies for the removal of contaminants of interests from groundwater, including GAC, IX, UV/AOP, and RO. From testing at the bench-scale, to full-scale design, Trussell provides key input for these treatment processes. Trussell has the scientific understanding and operational expertise to optimize treatment processes, assist in troubleshooting and recommend necessary corrective actions. In addition, Trussell develops operations plans and provides operator training, drawing on the firms extensive experience in operations of both water and advanced water treatment facilities. Lastly, Trussell has a long-standing relationship with the Division of Drinking Water (DDW) and brings an extensive permitting expertise that other firms do not offer.

Our experience and established track record should provide the District with confidence in our ability to efficiently deliver high quality services. The table below highlights relevant project experience. Detailed project descriptions of select projects, including our firms responsibilities and roles, are provided as an appendix.

Table 1. Trussell's experience with related groundwater projects in California.

Client	Project(s) (Dates)	Key Personnel	Treatment for contaminants of interest (e.g., VOCs, ClO ₄ ⁻ , 1,4-dioxane, NDMA, PFAS, CECs, DBPs, Cr6, TPH)	Alternatives Analysis, BODR, and/or Full- scale design	GAC, IX, UV/AOP or RO Process Design	Regulatory Support, Permitting, DDW Interactions	Operations Plan Development, Operator Training, or Operations Support	Recommended Corrective Action
City of Monterey Park	Monterey Park Centralized Groundwater Treatment System (2016 – 2022)	David Hokanson Bryan Trussell	✓	✓	✓	✓		
La Puente Valley Municipal Water District / BPOU	Process Operations and Optimization: Air Stripping and Ion Exchange	Bryan Trussell David Hokanson	✓		✓		✓	✓
Private Client	Treatment of Total Petroleum Hydrocarbons (TPH) after a spill (Hawaii) (2022-2025)	Bryan Trussell Teresa Venezia David Hokanson	✓	✓	✓	✓		
Geosyntec	Puente Valley Operable Unit (2014- 2016)	David Hokanson	✓	✓	✓	✓		
San Juan Capistrano	Mitigation of Colored Water with Fe/Mn Treatment with Greensand (2007-2009)	David Hokanson	✓		✓	✓	✓	✓
San Gabriel Valley Water Company	Evaluating Air Stripping Performance for at SGVWC's B6 Plant (2023-2024)	David Hokanson	✓				✓	✓
Alameda County Water District	PFAS Treatment at ACWD'S Groundwater Facilities (2022 – 2025)	David Hokanson	✓	✓	✓	✓	✓	
Fallbrook Public Utilities District	Santa Margarita River Conjunctive Use Project (2016-2023)	David Hokanson	✓	✓	✓	✓	✓	

3.2.2 Description of the approach the Consultant will use in performing the services requested, including expanding or modifying the Scope of Work described above if desire

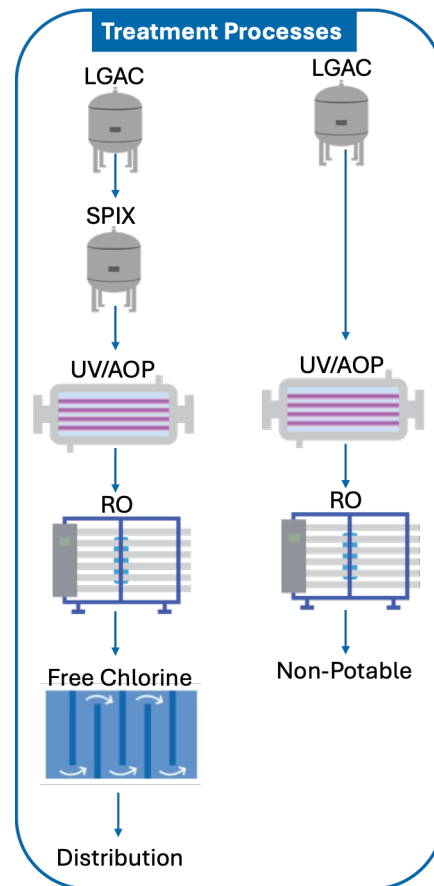
This portion of the proposal will be presented in two parts. The first part will provide the Project Understanding / Approach. This part will lay out Trussell's approach to completing the work requested in the RFP. The second part will be the Scope of Services (Proposal Section 6) that provides the scope that Trussell will provide in response to the RFP, which aligns closely with the RFP.

Project Understanding / Approach

The La Puente Valley County Water District is evaluating water quality and treatment at the Puente Valley Operable Unit (PVOU) Intermediate Zone (IZ) remedy and Shallow Zone (SZ) remedy for areas of improvement. Specifically, the District is looking for help with process engineering support, system optimization, technical review, operational troubleshooting, and engineering analysis to assist the District in maintaining reliable, efficient, and regulatory-compliant operations.

Key groundwater contaminants of interest in the PVOU include volatile organic compounds (VOCs), perchlorate, 1,4-dioxane, and total dissolved solids (TDS). The IZ remedy is a 1500-gpm advanced water treatment facility (AWTF) which treats contaminated groundwater from the PVOU for delivery of potable water to LPVCWD customers. The main processes in the IZ treatment train include liquid phase granular activated carbon (LGAC) for removal of volatile organic compounds (VOCs), single pass ion exchange (IX) for removal of perchlorate, ultraviolet (UV) advanced oxidation with hydrogen peroxide for removal of 1,4-dioxane, reverse osmosis (RO) for removal of total dissolved solids (TDS), and chlorine disinfection. The SZ remedy is similar to the IZ remedy but does not include single pass IX or chlorine disinfection and treats a much lower flow of 120 gpm for non-potable environmental discharge.

Trussell is uniquely qualified to perform this work for the LPVCWD. Within the past four years, Trussell completed a large project that involved treatment of water contaminated with TPH. This gives us expertise on the capability or lack thereof various technologies to remove TPH. The outcome was a treatment train that relied on LGAC to remove TPH. This work will allow us to readily assess the level of TPH in the water, the effectiveness of the existing LGAC in the treatment train to remove it, and how much additional LGAC, if any, would be needed to meet treatment targets. Trussell also has strong expertise



in corrosion control and implications for the treatment and distribution systems. This includes chemical dosing with chemicals like lime, acid and caustic, as well as challenges associated with unlined pipe. Trussell will bring this experience to advise on chemical dosing for the project.

Trussell will leverage its POMS group to efficiently troubleshoot issues as they arise and identify opportunities to optimize treatment processes. Our POMS team is comprised of engineers holding WWTPO and AWTO certifications who bring extensive hands-on operational experience, enabling Trussell to provide practical, effective support to on-site operators. Our POMS engineers have a deep expertise in treatment processes, allowing Trussell to develop customized solutions tailored to each client's needs. The combination of engineering knowledge and operational experience distinguishes Trussell from others. This unique blend is appreciated by clients, who often retain our services beyond startup and commissioning. With multiple engineers based in Southern California, Trussell is well positioned to provide responsive, as needed on-site operational support to the District for the duration of the project.

Effective communication is paramount to the success of the project given the stakeholders involved. Trussell will provide overall project coordination, administrative support, and communication management for the project duration. Services will include preparation for and facilitation of one (1) in-person project kick-off meeting, including development and distribution of formal meeting agendas for review and meeting minutes following the meeting. Trussell will represent the District as its engineering technical expert throughout the duration of the project. Trussell will conduct and facilitate biweekly virtual meetings with outside stakeholders (EPA, NG representatives and NG), including preparation and distribution of meeting minutes, recording the status of project schedule and budget, key action items, responsibilities, project issues, recommendations, and simplified earned value analysis to track project progress versus budget. Trussell will be responsible for developing and maintaining a project schedule and tracking, including identifying major milestones, review periods and deliverable deadlines. Trussell will document the outcomes of biweekly meetings and monthly results in written, biweekly updates and monthly reports. Trussell will issue a request for information (RFI) to the District, project stakeholders and other jurisdictional agencies/cities to obtain and organize all necessary review documentation, as-built drawings, specifications and other pertaining information to support the project execution. Trussell will also prepare and submit monthly invoices in accordance with contract requirements.

At the outset of the project, Trussell will establish a Project Procedure similar to but more extensive than an Operations, Maintenance, and Monitoring Plan to manage the important elements of this project including process engineering support. This approach will include strategies to perform engineering analysis & data evaluation, to review potential system modifications, to review and effect changes to standard operating procedures as needed, to provide engineering support for routine and non-routine operational issues, to conduct root cause analysis and troubleshooting of upsets in treatment processes, and to consider procurement needs, spare parts inventory, and chemical use, electricity use, and labor.

Project Procedures

Template Agendas: Weekly and Bi-weekly Meetings	Template Outlines: Biweekly Updates and Monthly Reports	Engineering Analysis
		Data Evaluation
		Review System Modifications
		Review/Change SOPs
		Routine Operations Issues
		Non-Routine Operations Issues
		Treatment Process Upsets
		Procurement
		Spare Parts
		Operating Costs

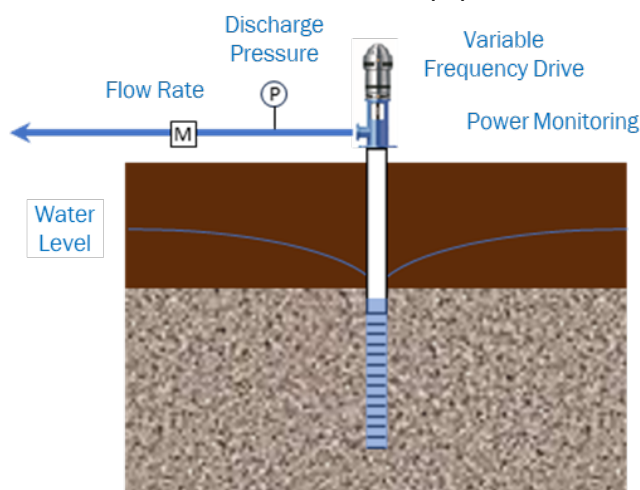
Trussell, for example, has routinely addressed these issues through its development of Operations Plans for numerous projects across the state, through its management of monitoring and data evaluation for both online SCADA data and grab samples on numerous projects, and through its consideration chemical dosing and energy considerations for projects involving corrosion control (e.g., pH adjustment and/or lime addition) and for projects involving energy intensive processes (e.g. RO and UV AOP). As part of the procedure, Trussell will develop a template/agenda for weekly internal meetings and bi-weekly meetings with stakeholders (NG, NG representatives, and/or EPA). Trussell will also develop a template/outline for written biweekly updates and more rigorous monthly reports.

District staff indicated that the SZ remedy has encountered recent challenges due to Total Petroleum Hydrocarbon (TPH) detections in both the feed and product water. TPH has also been detected in the IZ remedy product water, but to a lesser extent than the SZ remedy. The District would like to understand the impact of TPH on the treatment train at each AWTF and the potential capacities of various unit processes to remove TPH, with a particular focus on the LGAC process. Based on its past experience with TPH, Trussell will evaluate material collected based on the LPVCWD's response to the RFI related to TPH. As part of the analysis, alternatives will be considered for confronting the problem.

Trussell's standard approach for dealing with system modifications and updates to standard operating procedures (SOPs) is to work directly with operators. For the Rubidoux community services District, for example, Trussell worked with operators to develop a plan to quantify PFAS concentrations at the compliance points based on inputs from different treatment plants and in consideration of blending. The plan also determined when changeouts should occur. This experience will be directly applicable to evaluation of the GAC and SPIX systems for the IZ and SZ remedies. Trussell will follow this approach of working directly with operations staff on evaluation of any routine and non-routine operational issues that arise. Trussell's experience with failure analysis on various projects will feed into its applying root cause analysis to find the underlying reasons for a failure or issue. The analysis will be fed by process data and by identification of contributing factors to determine a root cause for a system failure, leading to development and implementation of solutions. Statistical techniques will be used in the root cause analysis. Trussell's POMs group has experience with procurement and managing critical spare parts inventory (e.g., for the RO and UV AOP technologies employed for the IZ and SZ remedies). Trussell will also work with operators to maximize preventive maintenance by reviewing system operating parameters and identify areas of potential improvement and ultimately implementing corrective action(s). Trussell's principals on this project will be available

to tackle any of these issues in a timely manner and to address immediately any emergency issues that arise.

In the event of extraction well failure, project team member INTERA will immediately proceed with investigation beginning with interviews with LPVCWD operations staff and collection of recent SCADA data. Continuous analysis and tracking of the performance of wells, pumps, and motors is possible if a well is fully instrumented to monitor flow, water level, discharge pressure, motor speed, and power consumption (see figure). Standard statistical process control techniques will be used to identify significant deviations in these performance metrics, flagging potential issues for operations and maintenance staff before they become critical. Based this analysis, project team member INTERA will attempt to determine whether the failure appears to be related to the well, pump, and/or motor. Depending on the cause of the failure, one or more immediate steps may be recommended including pulling of the pump and motor for inspection, video logging of the well to inspect the integrity and degree of clogging of the well screen and casing, or focused inspection of piping, valves, and controls, or electrical equipment.



The District would like to optimize chemical dosing at both AWTFs, with a particular focus on sulfuric acid (added to raw water for scale control throughout the AWTF) and sodium hydroxide (added for final pH and alkalinity adjustment in the product water). The SZ remedy has encountered recent challenges related to the potential corrosion of its non-lined carbon steel process piping, as evident by rust-like scale observed on visible portions of the exterior process piping (e.g., threaded fittings). Calcium carbonate precipitation was also observed on in the exterior process piping, immediately downstream of the sodium hydroxide dosing point of the SZ remedy, requiring operators to physically remove. The District would like to investigate these challenges as relates to chemical dosing and ultimately to optimize chemical dosing from a water quality perspective. Trussell will evaluate material collected based on the LPVCWD's response to the RFI related to chemical dosing. As part of the analysis, alternatives will be considered for mitigating the problem. Trussell developed a publicly available water conditioning spreadsheet that will be used in the evaluation.

Scope of Services (Proposal Section 6)

Trussell will execute the Scope of Services described in the RFP, as described below. The costs of services in Section 3.3 align with the Scope of Services presented in this Task.

Task 1: Project Coordination Meetings (Proposal Section 6.1)

As part of Task 1, Trussell will provide overall project coordination, administrative support, and communication management for the project duration. Services will include preparation for and facilitation of one (1) in-person project kick-off meeting, including development and distribution of formal meeting agendas for review and meeting minutes following the meeting. Trussell will represent the District as its engineering technical expert throughout the duration of the project. Trussell will conduct and facilitate biweekly virtual meetings with outside stakeholders (EPA, NG representatives and NG), including preparation and distribution of meeting minutes, recording the status of project schedule and budget, key action items, responsibilities, project issues, recommendations, and simplified earned value analysis to track project progress versus budget. Trussell will be responsible for developing and maintaining a project schedule and tracking, including identifying major milestones, review periods and deliverable deadlines. Trussell will issue a request for information (RFI) to the District, project stakeholders and other jurisdictional agencies/cities to obtain and organize all necessary review documentation, as-built drawings, specifications and other pertaining information to support the project execution. Trussell will also prepare and submit monthly invoices in accordance with contract requirements.

Task 1 Deliverables

- Kick-off meeting agenda and minutes
- Biweekly virtual meeting agendas (as required) with progress reporting and minutes
- Monthly invoicing

Task 1 Assumptions

- Project schedule will be developed and maintained in Microsoft Project format or an equivalent and presented at the kick-off meeting
- Biweekly virtual meeting will occur throughout the project duration unless otherwise directed by the District
- Meeting minutes for the biweekly meetings will be distributed to the District and outside stakeholder (EPA, NG representatives and NG) within three (3) business days of the meeting
- The District will provide timely access to required documents, drawings and specifications per Trussell's RFI

Task 2: Process Engineering Support and System Optimization

Task 2.1-Process Engineering Support

Trussell will provide ongoing process engineering support to ensure the treatment processes operate at an optimized efficiency and reliability, while meeting regulatory compliance. Trussell will routinely evaluate hydraulic performance, contaminant loading, chemical feed systems, and equipment operating ranges. Trussell will routinely analyze and determine areas of optimization for the following: flow data, pressure trends, UV intensity curves, RO recovery rates, IX resin loading, LGAC breakthrough potential, and waste stream characteristics.

Task 2.1 Deliverables

- Task 2.1 results to be presented in bi-weekly and/or monthly reports.

Task 2.1 Assumptions

- The District will provide Trussell with the necessary data on a [daily/weekly] basis in excel format or provide Trussell with the means to access the data via online access

Task 2.2-Operational Data Review

Trussell will routinely review daily operational logs, SCADA data, and operator notes to verify treatment processes are operating as intended in an efficient manner and within their respective performance ranges. This review will be used to identify any anomalies, trends, or deviations from expected performance that may be attributed to degradation of equipment, incorrect set points and settings, and/or emerging operational issues. Written recommendations will be provided to the District when adjustments, maintenance actions, or further investigation are warranted.

Task 2.2 Deliverables

- Task 2.2 results to be presented in bi-weekly and/or monthly reports.

Task 2.2 Assumptions

- The District will provide Trussell with the necessary data on a [daily/weekly] basis in excel format or provide Trussell with the means to access the data via online access.

Task 2.3-Operational Adjustment Recommendations

Using the findings from the routine treatment process evaluation (Task 2.1) and the operational data review (Task 2.2), Trussell will recommend any operational adjustments that will improve system stability, reduce energy consumption, minimize chemical usage, and extend the life of critical components (e.g., membranes, resin, and carbon media). The operational adjustments can include but will not be limited to: recalibration of setpoints, adjustment of chemical dosing strategies, modification of backwash or regeneration cycles, or refinement of UV/H₂O₂ operating parameters based on influent water conditions.

Task 2.3 Deliverables

- Task 2.3 results to be presented in bi-weekly and/or monthly reports.

Task 2.3 Assumptions

- The District will provide Trussell with the necessary data on a [daily/weekly] basis in excel format or provide Trussell with the means to access the data via online access.

Task 2.4: Groundwater Condition Assessment

Trussell will evaluate the groundwater conditions and analyze how variability in TPH, VOCs, perchlorate, 1,4-dioxane, metals, and other constituents will affect the performance of the treatment processes. Trussell will use this engineering to provide engineering guidance on pretreatment needs, contaminant loading impacts, and process interactions to ensure the treatment facility maintains a consistent treatment efficacy under changing source water conditions.

Task 2.4 Deliverables

- Task 2.4 results to be presented in bi-weekly and/or monthly reports.

Task 2.4 Assumptions

- The District will provide Trussell with the necessary data on a [daily/weekly] basis in excel format or provide Trussell with the means to access the data via online access.

Task 2.5: Bi-weekly updates

Trussell will prepare and deliver thirteen (13) bi-weekly updates to the District and other key stakeholders (see also Task 8.1). The bi-weekly updates will summarize the analyses, associated findings, and recommendations determined in Subtasks 2.1 – 2.4. In the off bi-weeks, Trussell will present a monthly report (see Task 8.2).

Task 2.5 Deliverables

- Thirteen bi-weekly updates

Task 2.5 Assumptions

- The conducted analyses, findings, and associated recommendations from Subtasks 2.1 – 2.4 will be summarized in this bi-weekly update
- Bi-weekly updates will be prepared as formal engineering documents and include: an executive summary, technical narrative, data tables and trend charts, interpretation of findings, recommendations and action items, and appendices with supporting data
- Bi-weekly updates and monthly reports will not overlap. There will be 13 bi-weekly updates, every 4 weeks, and 12 monthly reports.

Task 3: Engineering Analysis and Technical Review

Task 3.1: Submission of Final Deliverables and Supporting Documents

Trussell will provide a comprehensive engineering analysis and technical review of all proposed operational changes, system modifications, SOP updates, and facility improvements. This includes evaluating the technical merit, regulatory implications, and operational feasibility of any changes recommended by the District or its operators.

Task 3.1 Deliverables

- Task 3.1 results to be presented in bi-weekly and/or monthly reports.

Task 3.2: Operational Deviations Review

Trussell will review operational data, SCADA trends, alarm histories, chemical consumption logs, and maintenance records to identify deviations from expected performance. Trussell will prepare written technical memoranda summarizing findings, identifying root causes of inefficiencies, and recommending corrective actions or system enhancements.

Task 3.2 Deliverables

- Task 3.2 results to be presented in bi-weekly and/or monthly reports.

Task 3.2 Assumptions

- The findings will be summarized in the bi-weekly updates listed in Task 2.5
- The District will provide Trussell with the necessary data on a [daily/weekly] basis in excel format or provide Trussell with the means to access the data via online access.

Task 3.3: Design, Operating, and Proposed Modifications Review

Trussell will review the design intent and operating parameters of all treatment systems, including LGAC, SPIX, UV/Ox, RO, chemical feed systems, and booster pumping, to ensure that any proposed modifications align with DDW requirements, manufacturer specifications, and industry best practices. This includes evaluating process piping materials for compatibility, identifying risks associated with dissimilar metals, and recommending replacement or reconfiguration where necessary to prevent corrosion, leaks, or premature failure. All technical review will be

documented in a clear, engineering-grade format suitable for District records and regulatory review.

Task 3.3 Deliverables

- A technical memorandum summarizing the procurement and inventory needs, as well as findings and recommendations pertaining to the pipe evaluation.

Task 3.3 Assumptions

- The District will provide Trussell with the current procurement practices, pipe materials, spare parts inventory, and other relevant documentation pertaining spare parts review, inventory procurement, and piping evaluation.

Task 4: Troubleshooting & Root Cause Analysis

Task 4.1- Troubleshooting Engineering Support

Trussell will provide rapid-response engineering support for troubleshooting operational issues, equipment failures, water quality deviations, and system upsets. This includes evaluating abnormal operating conditions such as pressure drops, flow interruptions, UV intensity reductions RO fouling events, IX resin breakthrough, LGAC channeling, chemical feed inconsistencies, or SCADA communication failures.

Task 4.2- Well Failure Analysis

When an extraction well fails, INTERA will assess the hydraulic, mechanical, and water quality impacts of the failure; determine whether the failure is related to pump performance, electrical issues, well structure, or aquifer conditions; and recommend immediate and long-term corrective actions. INTERA will document the failure mode, interim operational adjustments, and recommended repair or rehabilitation steps in a written technical memorandum.

Task 4.3- Root Cause Analysis

Trussell will conduct root cause analysis using data-driven methods, including trend evaluation, equipment inspection, water quality analysis, or operator interviews. Trussell will identify whether issues stem from equipment degradation, improper settings, chemical interactions, hydraulic constraints, or external factors such as source water changes. Recommendations will include both corrective actions and prevent measured to reduce recurrence.

Task 4.4- Emergency Engineering Support

Trussell will remain available to support District staff during emergency conditions, including unplanned shutdowns, regulatory exceedances, or critical equipment failures.

Task 4 Deliverables

- Written recommendations, when warranted, providing corrective actions and/or preventative maintenance to be provided in bi-weekly and monthly reports (Task 8).

Task 4 Assumptions

- Trussell will provide both troubleshooting and emergency engineering support during the 40-hour work week, between the times of 8:00 am – 5:00 pm (PST) from Monday through Friday
- Both troubleshooting and emergency engineering support from Trussell will be provided to the District and its plant operators remotely (e.g. via phone calls)

Task 5: Procurement & Spare Parts Review

Task 5.1- Spare Parts Review

Trussell will evaluate the District's procurement needs and critical spare parts inventory to ensure operational resilience and minimize downtime. This includes reviewing manufacturer recommendations, historical failure data, and system-specific vulnerabilities to determine appropriate stocking levels for membranes, resin, carbon media, UV lamps, sensors, pumps, valves, actuators, chemical feed components, and SCADA hardware,

Task 5.2- Inventory Procurement and Piping Evaluation

Trussell will assess whether current procurement practices align with industry standards and whether lead times for critical components pose operation risks. Recommendations will be provided for inventory adjustments, procurement prioritization, and long-term asset planning. Trussell will also evaluate the condition and suitability of process piping materials throughout the facility. This includes identifying segments where dissimilar metals, incompatible materials, or improper installation may lead to corrosion, leaks, or structural failure. Trussell will recommend replacement materials, protective measures, or reconfiguration strategies to ensure long-term reliability and compliance with treatment process requirements.

Task 5.3- Procurement and Spare Parts Recommendations

All procurement and spare parts recommendations will be documented in a structured format that supports budgeting, planning, and operational decision-making.

Task 5 Deliverables

- A technical memorandum summarizing the procurement and inventory needs, as well as findings and recommendations pertaining to the pipe evaluation.

Task 5 Assumptions

- The District will provide Trussell with the current procurement practices, pipe materials, spare parts inventory, and other relevant documentation pertaining spare parts review, inventory procurement, and piping evaluation.

Task 6: Understanding of Source Water Conditions and Treatment Impacts

Trussell will maintain a detailed understanding of groundwater quality conditions, including constituents such as Total Petroleum Hydrocarbons (TPH), and will evaluate how such constituents impact the efficacy, loading rates, and long-term performance of the treatment systems. Trussell will provide engineering analysis describing how TPH and other emerging or variable contaminants influent LGAC performance, UV/Ox efficiency, RO membrane fouling potential, ion exchange resin life, and overall treatment reliability. Recommendations will be provided for operational adjustments, pretreatment considerations, or system modifications necessary to maintain compliance and optimize performance.

Task 6 Deliverables

- Written recommendations, when warranted, providing operational, pretreatment, and/or system modifications to optimize treatment performance to presented in bi-weekly and/or monthly reports (Task 8).

Task 6 Assumptions

- The District will provide Trussell with the necessary data on a [daily/weekly] basis in excel format or provide Trussell with the means to access the data via online access

Task 7: Ongoing Operational Support and Issue Resolution

Trussell will provide ongoing engineering support from project through the duration of the contract. This include responding to operational issues as they arise, providing troubleshooting assistance, conducting root cause analysis, and preparing written documentation of findings and recommended corrective actions. Trussell will be available to support District staff during system upsets, equipment failures, water quality deviations, or any operational challenges requiring engineering expertise.

Task 7 Deliverables

- Trussell will be available to quickly respond to operational challenges and water quality issues as they arise

Task 7 Assumptions

- The District will provide all relevant materials and information about an unexpected and/or emergency situation that arises in a timely manner.

Task 8: Deliverables

Task 8.1- Bi-weekly updates (13)

Every four weeks, Trussell will provide a concise but technically substantive status update summarizing current operating conditions, observed trends, and any emerging issues requiring attention. Bi-weekly updates will include (1) an operational snapshot summarizing current flows, pressures, loading conditions, and system operating modes; (2) performance observations identifying any deviations from expected performance, including abnormal pressure drops, flow inconsistencies, UV intensity fluctuations, RO recovery changes, or IX/LGAC loading anomalies; (3) identifying emerging issues that may lead to system inefficiencies or failures, such as increasing fouling potential, resin exhaustion indicators, carbon bed channeling, or chemical feed instability; (4) operator log review identifying patterns, inconsistencies, or operator-noted concerns; (5) immediate recommendations involving short-term operational adjustments or maintenance actions needed before the next monthly report; and (6) regulatory considerations that may impact compliance if not addressed promptly.

Task 8.2- Monthly Reports

On a monthly basis, Trussell will prepare a comprehensive engineering report that provides a detailed evaluation of system performance, treatment efficacy, equipment conditions, and optimization opportunities. The monthly report will include loading rate and breakthrough analysis including valuation of resin exhaustion trends, bed volumes treated, influent/effluent contaminant concentrations, and project breakthrough timelines. Analysis of carbon usage, adsorption efficiency, mass transfer zone development, and breakthrough percentage calculations will be provided. Assessment of how TPH, VOCs, perchlorate, 1,4-dioxane, and other contaminants influence treatment performance and loading rates will be investigated. The monthly report will include evaluation of UV system performance including remaining lamp life, intensity trends, sleeve fouling indicators, and replacement projections. Evaluation of dosing accuracy, consumptions trends, and optimization opportunities. Assessment of contaminant destruction efficiency and any deviations from expected performance will be presented. The monthly report will incorporate analysis of the RO system including salt rejection normalized permeate flow, differential pressure trends, and fouling/scaling indicators will be provided. Evaluation of recovery rates, energy consumption, and opportunities for optimization will also be shown, as well as an assessment of anti-scalant dosing, pH control, and any impacts from source water variability. The monthly report will also incorporate system-wide operational review including detailed review of operator logs, SCADA trends, alarm histories, and chemical

consumption records; identification of any piping segments showing corrosion, wear, or incompatibility due to dissimilar metals or improper material selection; and evaluation of pumps, valves, sensors, actuators, and chemical feed systems. The monthly report will also incorporate recommendations for dose changes, chemical substitutions, or feed system improvements, suggested changes to flow rates, pressures, backwash cycles, regeneration schedules, or UV/ROP operating parameters; and identification of maintenance tasks needed to prevent failures or inefficiencies. A summary of any issues encountered during the month and the engineering support provided will also be included in the monthly report, along with documentation of root causes for any failures or deviations and recommended actions, timelines, and responsibilities.

Task 8 Deliverables

- Bi-weekly (13) updates
- Monthly reports

Task 8 Assumptions

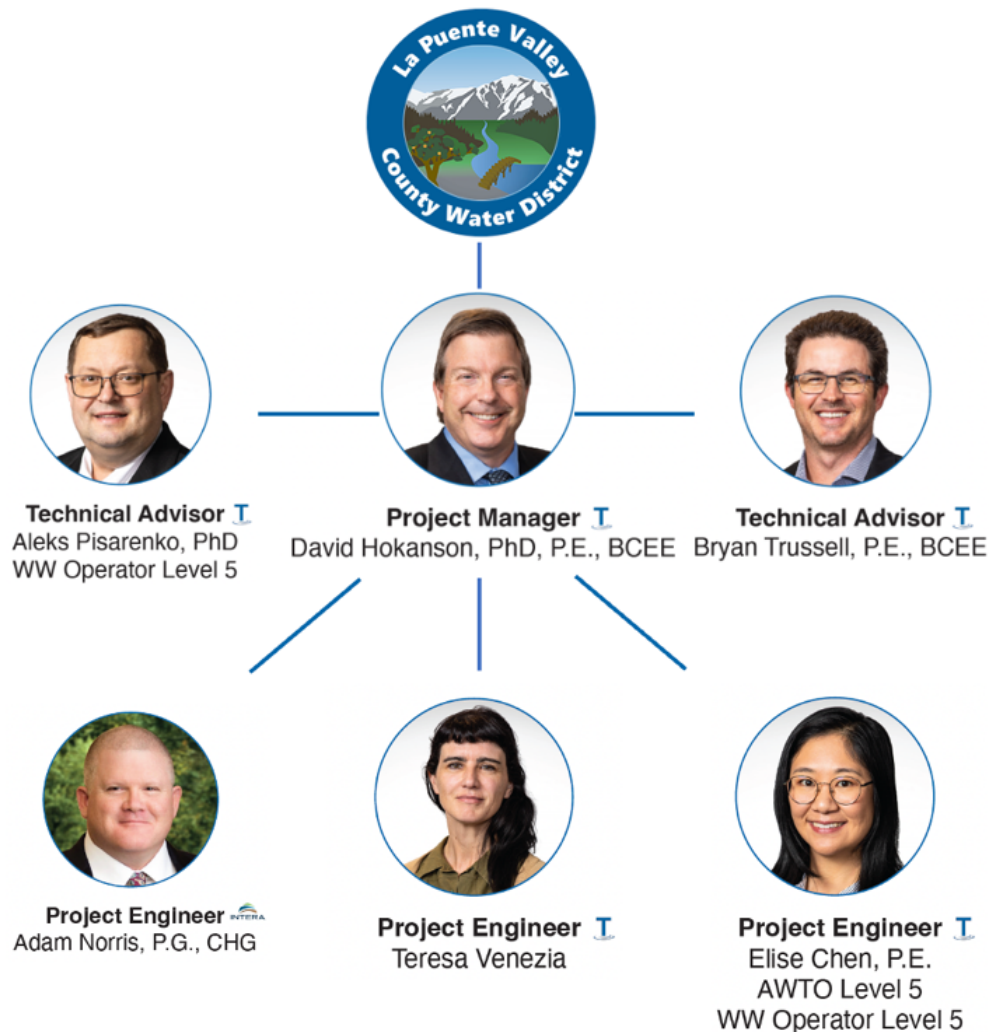
- Biweekly updates and monthly reports will not overlap. There will be 13 bi-weekly updates, every 4 weeks, and 12 monthly reports.

3.2.3 Description of how the Consultant is positioned to provide the services requested that will allow the District to assess the Consultant's capability to execute, coordinate, and manage the project in an effective and efficient manner.

Trussell's team is ideally suited to perform this project for the District for reasons demonstrated in this section and surrounding sections. This section presents an Organization Chart leading into a schedule. This section, along with sections 3.2.1 and 3.2.5, demonstrate why our team is the right one to perform the work effectively, efficiently, and successfully.

Organizational Chart

Our team will bring a versatile skillset and wealth of experience to meet the District's Needs. **Dr. David Hokanson** is the Project Manager for our team and will serve as the District's primary point of contact. Dr. Hokanson has extensive experience with UV/AOP, GAC, air stripping, and novel treatment processes for contaminated groundwaters through his 30 plus years in the water industry. **Bryan Trussell** will serve as the technical advisor, providing senior-level guidance and strategic input based on 20 plus years of experience in the water industry. Dr. Hokanson and Mr. Trussell have direct experience solving operational challenges for the District on a project for the Baldwin Park Operable Unit. **Dr. Aleks Pisarenko** will serve as another technical advisor, bringing over 14 years of experience in testing and operations of advanced water treatment processes. **Teresa Venezia** and **Elise Chen** will both serve as project engineers. Ms. Venezia will utilize her expertise in process engineering and her practical experience in the field working with operators on treatment testing to support operators in the solution of operational challenges. Dr. Hokanson, Mr. Trussell, and Ms. Venezia have direct experience working on a project investigating total petroleum hydrocarbon contamination of groundwater. Ms. Chen is a certified operator for both wastewater and advanced water treatment and will use her expertise in operations to optimize facility operations and assist in troubleshooting efforts. **Adam Norris** brings over 30 years of experience constructing and rehabilitating groundwater wells. Mr. Norris will serve as a project engineer, using his experience to help troubleshoot potential issues with the wells. The proposed structure of the Trussell team is outlined in the organization chart below.



Trussell will collaborate closely with the District as a true partner, working to assess and understand the underlying issues driving the need for technical services. This applies to targeted technical challenges, routine support tasks, and broader treatment process evaluations aimed at optimization. Our key personnel will coordinate with District staff to define clear goals that align with available resources, budgets, and priorities. Our team will work together under the leadership of Dr. Hokanson to respond efficiently and effectively to the services requested by the District. Our team includes local staff that can respond to the District quickly and efficiently for on-site visits, operations support, and troubleshooting. Our teams proposed project schedule is shown below in Table 2.

Table 2. Proposed Scheduling of Project, Broken Down by Task

		Aug-26	Sep-26	Oct-26	Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27	May-27	Jun-27	Jul-27
1	Project Coordination Meetings												
1.1	Kickoff Meeting												
1.2	Bi-weekly Meetings with Outside Stakeholders												
1.3	Weekly Virtual Meetings												
1.4	Monthly Invoicing												
2	Process Engineering Support and System Optimization												
2.1	Ongoing process engineering support												
2.2	Routine data review												
2.3	Recommendations of Operational Adjustments												
2.4	Evaluation of how variable groundwater conditions including constituent concentrations affect treatment performance												
2.5	Bi-weekly report (every two weeks) Budgeted under Task 8.1.												
3	Engineering Analysis and Technical Review												
3.1	Comprehensive engineering analysis and technical review of proposed operational changes and system improvements												
3.2	Review operational data, SCADA trends, alarm histories, chemical consumption logs, and maintenance records												
3.3	Review design intent of all treatment systems to ensure any modifications proposed meet DDW requirements, manufacturer specifications, and industry best practice.												
4	Troubleshooting and Root Causes Analysis												
4.1	Rapid-response engineering support for troubleshooting operational issues, equipment failures, water quality deviations, and system upsets												
4.2	Evaluate extraction well failures, if any, including hydraulic, mechanical, and water quality impacts of the failure												
4.3	Root cause analysis using data-driven methods, including trend evaluation, equipment inspection, water quality analysis, and operator interviews.												
4.4	Provide availability to support District staff during emergency conditions												
5	Procurement and Spare Parts Review												
5.1	Evaluate procurement needs and critical spare parts inventory to ensure operational resilience and minimize downtime.												
5.2	Assess whether current procurement practices align with industry standards and whether lead times for critical components pose operational risks.												
5.3	Document procurement and spare parts recommendations in a structured format that supports budgeting, planning, and operational decision-making.												
6	Source Water Conditions and Treatment Impacts												
6.1	Evaluate how groundwater quality conditions, including constituents such as Total Petroleum Hydrocarbons (TPH) affect treatment performance.												
7	Ongoing Operational Support and Issue Resolution												
7.1	Ongoing engineering support to District staff during system upsets, equipment failures, water quality deviations, or any operational challenges requiring engineering expertise.												
8	Deliverables												
8.1	Bi-weekly Update Reports (13)												
8.2	Monthly Update Reports (12)												

3.2.4 Name, title, address, and telephone number of three references for clients, whom similar services have been provided within the past four years, including information referencing the actual services performed, number of users, and length of tenure.

References

Reference names, contact information, roles, and other pertinent details are provided below. Detailed project descriptions are provided under [Select Project Descriptions](#) in **Section B.3**.

Client: City of Monterey Park/SA Associates
Primary Contact: Frank Heldman, Water Utility Manager
Relationship to Project: Project Manager
Address: 320 West Newmark Ave, Monterey Park, CA 91754
Tel Number: 626-307-1295
Email: fheldman@montereypark.ca.gov
Year: 2016 – 2022
Project Personnel: David Hokanson (Owner's Representative), Teresa Venezia (RSSCTs)
Type and Extent of Services: Treatment process evaluation, design review, regulatory interactions

Client: City of Oceanside
Primary Contact: Rudy Guzman, Water Utilities Division Manager
Relationship to Project: Project Manager
Address: 300 North Coast Hwy, Oceanside, CA 92504
Tel Number: 760-435-5838
Email: rguzman@oceansideca.org
Year: 2021 - Present
Project Personnel: David Hokanson, Aleks Pisarenko, Elise Chen
Type and Extent of Services: Start-up and commissioning support, ongoing operational and regulatory support, AWWP operator training

Client: San Gabriel Valley Water Company
Primary Contact: Josh Swift, Vice President and General Manager
Relationship to Project: Technical Review
Address: 15966 Arrow Route, Fontana, CA 92335
Tel Number: 909-822-2201
Email: jmswift@fontanawater.com
Year: 2023 – 2024
Project Personnel: David Hokanson
Type and Extent of Services: 2 projects, air stripper operational troubleshooting; GAC for mitigation of DBP precursors and taste & odor

3.2.5 Naming of staff resources, with identification of principals and key personnel, who will be available to provide the services; experience and expertise of staff; local availability of staff; and role and responsibilities of each staff member. Any substitution of key personnel must be approved in writing by the District; unauthorized substitutions may result in termination of the contract.

A. Key Personnel

Consultant Expertise

David Hokanson, Ph. D, P.E., BCEE	
	UV Treatment Lead and Regulations – Drinking Water Lead Civil Engineer, State of California – No. 70254 Board Certified Environmental Engineer – No. 09-10037 Based in: Pasadena, CA
David Hokanson is an expert in physical and chemical processes applied to drinking water treatment and potable reuse, with over 30 years of experience and more than 75 publications. Dr. Hokanson specializes in groundwater treatment for removal of contaminants such as PFAS, VOCs, perchlorate, hexavalent chromium, and 1,4-dioxane. He has worked on several projects involving water quality, treatment, and regulatory aspects of extremely impaired groundwater sources. Recently, he served as the DDW permitting and technical advisor for four PFAS drinking water treatment projects in California. Additionally, Dr. Hokanson has developed models for GAC and ion exchange treatment technologies and set up the RSSCT capabilities in Trussell's lab. Dr. Hokanson is a former Chair of the CA-NV Section of the American Water Works Association (AWWA).	

C. Bryan Trussell, P.E., BCEE



Director of Engineering
Civil Engineer, State of California – No. 71468
Board Certified Environmental Engineer – No. 13-10027
Based in: Pasadena, CA

Bryan Trussell is the Director of Engineering at Trussell's Pasadena office and brings over 24 years of experience in the water industry, including 9 years with LASAN. Mr. Trussell is actively engaged in many advanced treatment projects in the Los Angeles area. He has led testing efforts for MWD including the development of alternative treatment configurations for DPR incorporating RO and UV/AOP with consideration of GAC and Air Stripping for constituents not removed by RO. He led efforts to optimize Air Stripping performance and gain regulatory approval for the La Puente Valley County Water District.

Aleks Pisarenko, Ph.D.



Director of Plant Operations and Maintenance Services
Grade V Wastewater Operator, State of California – No. 41526
Based in: San Diego, CA

Aleks Pisarenko brings over 14 years of experience in the operation, testing, design, and start-up of advanced water treatment (AWT) processes and is a certified Grade V Wastewater Operator. He was part of the team to develop 30% design of the City of San Diego's 34 MGD North City Pure Water Facility. Aleks served as subject matter expert for development of AWTO Certification program and led numerous operator training courses for facilities in CA. His experience in operations will be invaluable in navigating this project and leading to successful outcomes.

Teresa Venezia



Applied Research and Field-Testing Lead
Based in: Pasadena, CA

Ms. Venezia has extensive experience in assessing water quality, treatment technologies, and operations for drinking water and potable reuse applications. She performed conceptual design, life cycle cost analysis, and bench-scale evaluation of advanced treatment processes for impaired groundwater (including TPH). Her work has focused on how pretreatment and operating conditions affect membrane, adsorption, and UV/AOP processes, including ozone impacts on MF fouling, RO performance, NDMA formation, and EDC (endocrine disruptor compounds) reduction. She has contributed to RSSCT evaluations for PFAS treatment and supported treatment system performance review, data interpretation, chemical dosing, and operational troubleshooting.

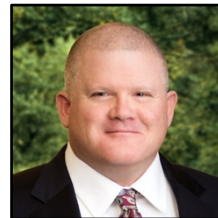
Elise Chen, P.E.



Treatment Plant Operations Lead
Civil Engineer, State of California – No. 91124
AWTO Level 5 – No. 152
Grade V Wastewater Operator, State of California – No. 42568
Based in: San Diego, CA

Elise Chen has a B.S. and M.S. in Civil Engineering from the University of California at Los Angeles. Her work experience includes operation and maintenance of several AWT facilities in Southern California, optimization of facilities to improve treatment and mechanical reliability, support facilities to maintain regulatory and Permit compliance, performing laboratory analyses for water quality parameters, monitoring and analyzing water quality data to evaluate treatment train performance, and AWTO training.

Adam Norris, P.G., CHG



Senior Hydrogeologist
Professional Geologist, State of California, No. 6557
Certified Hydrogeologist, State of California, No. 1029
Based in: Torrance, CA

Adam Norris is a Senior Hydrogeologist at INTERA with an MS degree in geology, a BS degree in geological sciences, and 34 years of professional experience implementing water resource studies and projects; designing, permitting and constructing supply and monitoring wells in Southern California; investigating and remediating hazardous waste sites; and conducting environmental assessments and coordination. His experience includes custom well design, groundwater well construction and development (monitoring wells, extraction wells, injection wells, and municipal production wells), well rehabilitation, and aquifer testing.

3.2.6 Identification of all first-tier subcontractors, their scope of work, and the subcontract amount.

Trussell will contract with INTERA as a subconsultant to support Subtask 4.2 and evaluate well failures should they occur.

Scope of Work

In the event of extraction well failure, INTERA will immediately proceed with investigation beginning with interviews with the Districts operations staff and collection of recent SCADA data. We assume that the wells are sufficiently instrumented to support analysis of well, pump, and motor performance and that, in the course of providing support for monthly comprehensive engineering reports, a baseline of well and pump performance has been previously established. Prior to the well failure, we will have reviewed the technical resources provided by the District, including relevant sections of the Engineering Report, Standard Operating Procedures (SOPs), and the Operations & Maintenance Plan.

Continuous analysis and tracking of the performance of wells, pumps, and motors is possible if a well is fully instrumented to monitor flow, water level, discharge pressure, motor speed, and power consumption. This can be accomplished through automated analysis and recording of specific capacity (well efficiency), comparison of pump performance to original pump curves, and motor efficiency. Standard statistical process control techniques may be used to identify significant deviations in these performance metrics, flagging potential issues for operations and maintenance staff before they become critical. This analysis can also provide valuable data that can be used in program-level budgeting and planning to optimize the frequency of scheduled well service, minimize life-cycle costs, and maximize asset life.

Based on the initial interviews with the Districts operations staff and review of recent performance data and assessment of well, pump, and motor efficiency compared to baseline performance, INTERA will attempt to determine whether the failure appears to be related to the well, pump, and/or motor. Recent changes in water levels and selected water quality parameters will also be evaluated to determine whether changes in aquifer conditions may be a contributor. We will coordinate a site visit with the Districts operations staff to inspect the well, confirm operations staff observations, discuss preliminary conclusions, and develop a workplan for the issue(s) to be addressed. Depending on the cause of the failure, one or more immediate steps may be recommended including pulling of the pump and motor for inspection, video logging of the well to inspect the integrity and degree of clogging of the well screen and casing, or focused inspection of piping, valves, and controls, or electrical equipment. We will document the site visit and interviews and will prepare a technical memorandum detailing our assessment and providing recommendations for immediate steps to confirm the issue(s), and repair or rehabilitate the well to return it to service. We will also evaluate any previously established maintenance triggers to determine if modification may be warranted.

3.2.7 Conflicts of Interest. Potential conflicts of interest must be disclosed. Conflicts of interest are generally prohibited under California Law.

Trussell Technologies, Inc. and Intera, Inc. do not have any potential conflicts of interest with respect to the proposed work.

3.3 Costs of Services

3.3.1 Hourly rate sheet schedule by classification



TRUSSELL TECHNOLOGIES, INC. HOURLY BILLING RATES

	Billing Rate	
	Normal Hourly Rate ¹	Expert Daily Rate ²
Senior Company Officer	\$ 400	\$4,800
Principal Engineer III	\$ 390	\$4,680
Principal Engineer II	\$ 370	\$4,440
Principal Engineer I	\$ 360	\$4,320
Supervising Engineer III	\$ 340	-
Supervising Engineer II	\$ 320	-
Supervising Engineer I	\$ 300	-
Senior Engineer III	\$ 280	-
Senior Engineer II	\$ 260	-
Senior Engineer I	\$ 250	-
Engineer II	\$ 230	-
Engineer I	\$ 210	-
Senior Drafter I	\$ 210	-
Associate Engineer II	\$ 190	-
Associate Engineer I	\$ 185	-
Assistant Engineer II	\$ 175	-
Assistant Engineer I	\$ 155	-
Lab Assistant II	\$ 145	-
Lab Assistant I	\$ 125	-
Senior Office Manager II	\$ 210	-
Senior Office Manager I	\$ 190	-
Office Manager III	\$ 185	-
Office Manager II	\$ 175	-
Office Manager I	\$ 155	-
Office Assistant II	\$ 145	-
Office Assistant I	\$ 125	-

1. Time will be billed in 15 minute increments
2. Time will be billed in increments of one day

Other Direct Costs

Mileage for vehicle use to be reimbursed at current IRS rate.

Travel, equipment rental and other direct costs to be reimbursed at actual cost plus 5%.

Outside Professional Services:

Outside professional services to be reimbursed at actual cost plus 15%

Trussell Technologies respectfully requests the ability to update billing rates at a frequency of every twelve (12) months, based on CPI and other cost increases. Justification for the request would be provided for review, comment, and approval.

9/26/25



Labor Category	Hourly Rate
Standard Rates	2026-B
Principal Engineer/Scientist I	\$363
Principal Engineer/Scientist II	\$318
Principal Engineer/Scientist III	\$295
Sr. Engineer/Scientist I	\$285
Sr. Engineer/Scientist II	\$262
Sr. Engineer/Scientist III	\$249
Sr. Engineer/Scientist IV	\$232
Engineer/Scientist I	\$219
Engineer/Scientist II	\$203
Engineer/Scientist III	\$185
Engineer/Scientist IV	\$167
Engineer/Scientist Intern	\$108
Sr. Technician	\$177
Technician	\$113
Sr. Tech Editor	\$164
Tech Editor	\$119
Sr. CAD/Graphics	\$141
CAD/Graphics	\$113
Sr. Project Analyst	\$227
Project Analyst	\$113
Project Associate	\$113
Mileage	\$0.725/mi

3.3.2 List of services not included in the proposed price

All services are included in the proposed price.

3.3.3 All direct and indirect costs, including travel, overhead, and insurance

The detailed budget breakdown is shown in the following table and is presented on an annual cost basis. The breakdown including direct and indirect costs for Trussell is shown herein:

Total Annual Project Cost =	\$442,545.00
Total Trussell Annual Project Cost =	\$422,420.00
Total Trussell Annual Direct Costs=	\$155,301.00
Total Trussell Annual Indirect Costs =	\$267,119.00

The not-to-exceed annual amounts for the overall projects and the individual tasks are presented below in accordance with the budget table.

Not-to-Exceed Total Annual Project Cost =	\$442,545.00
Not-to-Exceed Annual Task 1 Project Cost =	\$84,890.00
Not-to-Exceed Annual Task 2 Project Cost =	\$61,410.00
Not-to-Exceed Annual Task 3 Project Cost =	\$54,620.00
Not-to-Exceed Annual Task 4 Project Cost =	\$59,085.00
Not-to-Exceed Annual Task 5 Project Cost =	\$31,950.00
Not-to-Exceed Annual Task 6 Project Cost =	\$13,660.00
Not-to-Exceed Annual Task 7 Project Cost =	\$15,740.00
Not-to-Exceed Annual Task 8 Project Cost =	\$121,190.00

Trussell Technologies Cost Breakdown by Task
General Engineering Services for Water Treatment
July 22, 2026

Task No.		Trussell Technologies							Sub		ODC's	Total			
		Specific Person		Hokanson	Trussell	Venezin	Escobar	Lira					Intera		
		Staff Classification		Principal Engineer II	Principal Engineer II	Supervising Engineer II	Senior Engineer I	Engineer I	Total Labor Hours						
		Hourly Billing Rate		\$370	\$370	\$320	\$250	\$210							
1	Project Coordination Meetings	163	2	0	92	4	261	\$	84,890.00	\$	-	\$	84,890.00		
1.1	Kickoff Meeting	4	2		2	4	12	\$	3,560.00			\$	3,560.00		
1.2	Bi-weekly Meetings with Outside Stakeholders	78			39		117	\$	38,610.00			\$	38,610.00		
1.3	Weekly Virtual Meetings	78			39		117	\$	38,610.00			\$	38,610.00		
1.4	Monthly Invoicing	3			12		15	\$	4,110.00			\$	4,110.00		
2	Process Engineering Support and System	36	5	10	68	124	243	\$	61,410.00	\$	-	\$	61,410.00		
2.1	Ongoing process engineering support	16	2	4	24	40		\$	22,340.00			\$	22,340.00		
2.2	Routine data review	4		2	12	28		\$	11,000.00			\$	11,000.00		
2.3	Recommendations of Operational Adjustments	8	2	2	12	24		\$	12,380.00			\$	12,380.00		
2.4	Evaluation of how variable groundwater conditions including constituent concentrations affect treatment performance	8	1	2	20	32		\$	15,690.00			\$	15,690.00		
2.5	Bi-weekly report (every two weeks) Budgeted under Task 8.1.							\$	-			\$	-		
3	Engineering Analysis and Technical Review	40	6	6	52	108	212	\$	54,620.00	\$	-	\$	54,620.00		
3.1	Comprehensive engineering analysis and technical review of proposed operational changes and system improvements	16	4	2	12	20		\$	15,240.00			\$	15,240.00		
3.2	Review operational data, SCADA trends, alarm histories, chemical consumption logs, and maintenance records	12		2	16	28		\$	14,960.00			\$	14,960.00		
3.3	Review design intent of all treatment systems to ensure any modifications proposed meet DDW requirements, manufacturer specifications, and industry best practice.	12	2	2	24	60		\$	24,420.00			\$	24,420.00		
4	Troubleshooting and Root Causes Analysis	20	2	12	34	88	156	\$	38,960.00	\$	20,125.00	\$	-	\$	59,085.00
4.1	Rapid-response engineering support for troubleshooting operational issues, equipment failures, water quality deviations, and system upsets	6	2	4	12	36		\$	14,800.00			\$	14,800.00		
4.2	Evaluate extraction well failures, if any, including hydraulic, mechanical, and water quality impacts of the failure							\$	-	\$	20,125.00		\$	20,125.00	
4.3	Root cause analysis using data-driven methods, including trend evaluation, equipment inspection, water quality analysis, and operator interviews.	8		6	16	40		\$	17,280.00			\$	17,280.00		
4.4	Provide availability to support District staff during emergency conditions	6		2	6	12		\$	6,880.00			\$	6,880.00		
5	Procurement and Spare Parts Review	10	1	6	40	76	133	\$	31,950.00	\$	-	\$	-	\$	31,950.00
5.1	Evaluate procurement needs and critical spare parts inventory to ensure operational resilience and minimize downtime.	4	1	2	20	40		\$	15,890.00			\$	15,890.00		
5.2	Assess whether current procurement practices align with industry standards and whether lead times for critical components pose operational risks.	2		2	12	20		\$	8,580.00			\$	8,580.00		
5.3	Document procurement and spare parts recommendations in a structured format that supports budgeting, planning, and operational decision-making.	4		2	8	16		\$	7,480.00			\$	7,480.00		
6	Source Water Conditions and Treatment Impacts	8	2	6	12	24	52	\$	13,660.00	\$	-	\$	-	\$	13,660.00
6.1	Evaluate how groundwater quality conditions, including constituents such as Total Petroleum Hydrocarbons (TPH) affect treatment performance.	8	2	6	12	24		\$	13,660.00			\$	13,660.00		
7	Ongoing Operational Support and Issue Resolution	8	2	2	12	40	64	\$	15,740.00	\$	-	\$	-	\$	15,740.00
7.1	Ongoing engineering support to District staff during system upsets, equipment failures, water quality deviations, or any operational challenges requiring engineering expertise.	8	2	2	12	40		\$	15,740.00			\$	15,740.00		
8	Deliverables	100	4	9	111	248	472	\$	121,190.00	\$	-	\$	-	\$	121,190.00
8.1	Bi-weekly Update Reports (13)	52	2	3	39	104		\$	52,530.00			\$	52,530.00		
8.2	Monthly Update Reports (12)	48	2	6	72	144		\$	68,660.00			\$	68,660.00		
TOTAL		385	24	51	421	712	1593	\$	422,420.00	\$	20,125.00	\$	-	\$	442,545.00

Trussell Technologies Confidential

*Cost includes the following markups:

15% Subs

Total Direct Costs (Trussell)	\$ 155,301.47
Total Indirect Costs (Trussell)	\$ 267,118.53

Appendix I - Project Descriptions

Monterey Park Centralized Groundwater Treatment System

Project Highlights:

✓	Impaired Groundwater Source (TCE, PCE, 1,4-dioxane)
✓	Treatment process oversight (GAC, UV AOP)
✓	Design review (drawing, specifications, etc.)
✓	Support for Regulatory with DDW (97-005, Treatment Process, OMMP)

The Trussell teamed with SA Associates as owner's agents to assist the City of Monterey Park with the design and construction of the Centralized Groundwater Treatment System (CGTS) at its Delta Plant. The project involved replacing the existing wellhead treatment with a centralized treatment plant, expanding the capacity from 8.2 MGD to 10.7 MGD, and providing additional treatment targeting recalcitrant organics, including PCE, 1,4-dioxane, and PFOS/PFOA, as well as additional VOCs like TCE. To remove or destroy these contaminants, the treatment system will include an ultraviolet light advanced oxidation process (UV/AOP) and granular activated carbon (GAC) adsorption vessels.

As the owner's agent, Trussell has provided review and approval of the UV/AOP and GAC design drawings at the 30%, 60%, 90%, and final design stages. Trussell has provided expert guidance on the regulatory efforts to ensure successful compliance and permitting with DDW. Trussell reviewed the regulatory extremely impaired source reports (97-



UV AOP at CGTS



005), performance testing, and operations maintenance and monitoring plan (OM&MP). Trussell reviewed the UV/AOP and GAC systems to ensure compliance with the specifications and approved plans. During startup and commissioning, Trussell reviewed and provided input on the commissioning test protocol for the UV/AOP and GAC processes, including review of the test results. Trussell participated in several meetings with DDW and developed a technical memorandum for operational setpoints for the UV AOP system to facilitate the issuance of a permit amendment to operate the system. Trussell conducted Rapid Small-Scale Column Tests (RSSCTs) to evaluate the removal of PFAS by different carbons. Trussell conducted a second round of RSSCTs to look at removal of hydrogen peroxide and PFAS simultaneously.

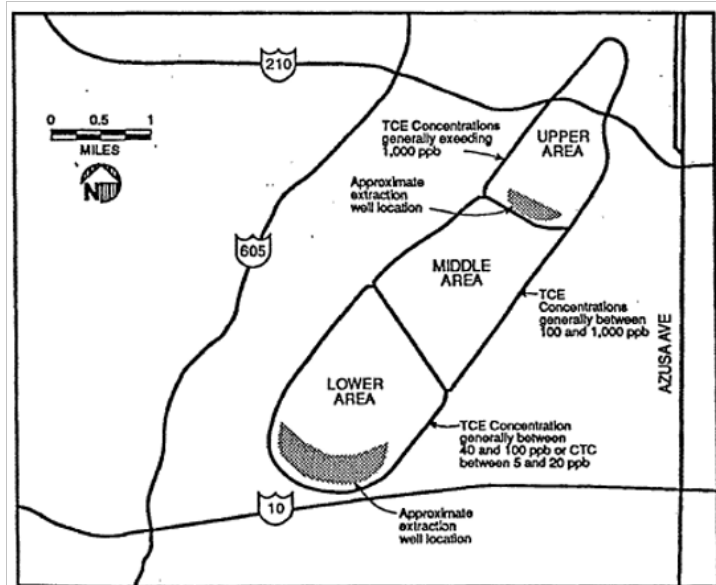
Baldwin Park Operable Unit

Project Highlights:

✓	Impaired Groundwater Source
✓	Technologies (GAC, IX, Air Stripping, UV AOP)
✓	DDW Permitting
✓	Process Optimization

Trussell Technologies (Trussell) was retained by the Cooperating Respondents to provide a technical assessment of process performance, design submittals, and an assessment of regulatory considerations with regards to the groundwater clean up in the Baldwin Park Operable Unit (BPOU). Treatment technologies considered include air stripping, ion exchange, granular activated carbon, and ultraviolet light advanced oxidation processes for the treatment of VOCs, perchlorate, NDMA, and 1,4-dioxane.

Trussell worked directly with the utilities within the BPOU to review process performance and provide guidance on process optimization. Successful changes include a regulatory amendment to the operating conditions of an air stripper to regain the overall plant design capacity, decreases in overall chemical (caustic, orthopolyphosphate) consumption by reviewing the post treatment water quality goals, development of new GAC specifications with well-defined guarantees of performance and evaluation of ion exchange changeout frequency. Much of this work was performed with La Puente Valley County Water District.



BPOU Contaminant Plume and Extraction Well Locations

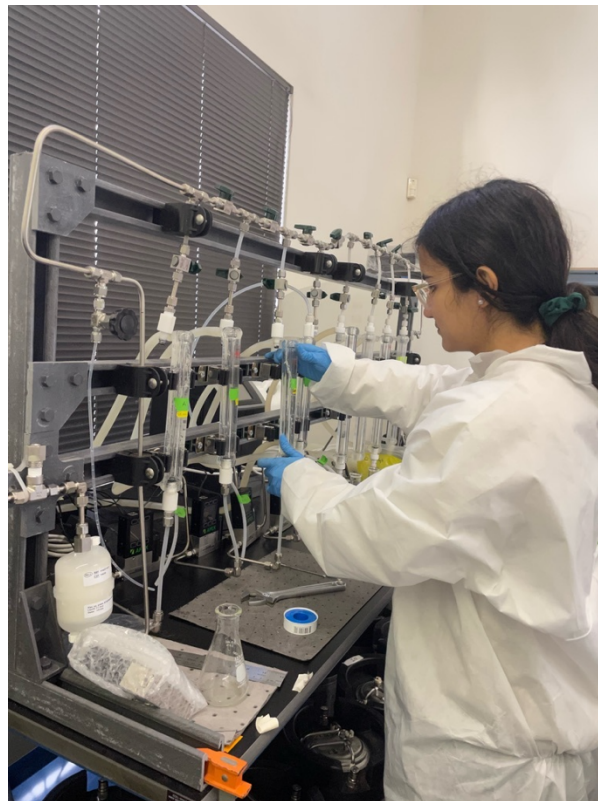
Private Client Contamination Mitigation Project

Project Highlights:

✓	Impaired Groundwater Source
✓	Technologies (GAC, C/F/S, DAF, UV AOP)
✓	Fuel Contamination (TPH, TPH-d, TPH-g, TPH-o)
✓	Cost Estimating

Trussell investigated fuel contamination of a groundwater aquifer to determine possible treatment techniques to remediate total petroleum hydrocarbons (TPH). Trussell's work looked at characterizing the TPH within the fuel contamination including the proportions of TPH-d, TPH-g, and TPH-o. Trussell conducted an alternatives analysis that included a literature review and extensive bench-scale testing to assess appropriate treatment technologies, developed preliminary design criteria for the selected treatment train, and performed a Class 5 cost estimate of the treatment facility.

Work performed include: development of water quality performance goals; evaluation of potential treatment technologies through bench-scale testing, including coagulation-flocculation through jar testing, dissolved air flotation, granular activated carbon via rapid small-scale column testing, biological activated carbon, and UV/AOP using a collimated beam apparatus. Trussell then prepared a treatment technology evaluation report and preliminary design and cost estimate report.



The project demonstrated Trussell's ability to assess a challenge not common in the water industry and come up with a viable solution.

Evaluation of Treatment Alternatives and Gaining CDPH Approval for the Puente Valley Operable Unit (PVOU)

Project Highlights:

✓	Extremely impaired source
✓	Technologies (GAC, IX, UV AOP, RO)
✓	Preliminary Design
✓	DDW Permitting

The groundwater within the Puente Valley Operable Unit is classified as an extremely impaired source. Working with Geosyntec, a treatment train was developed for removal of VOCs, perchlorate, 1,4-dioxane, as well as TDS, nitrate, and selenium for groundwater in the Puente Valley Operable Unit in the San Gabriel Valley. Trussell performed an assessment of water quality to determine constituents of interest and developed treatment targets for those constituents. Trussell supported an alternatives analysis to assess the most appropriate technologies for removal of the constituents of interest. Trussell provided an evaluation of the entire treatment train, developing and co-authoring a basis of design report and preliminary design including consideration of processes air stripping and/or liquid phase GAC for removal of VOCs, ion exchange for the removal of perchlorate, and UV AOP for the removal of 1,4-dioxane.

Memorandum

*Policy Memo 97-005
Department of Health Services*

Date: November 5, 1997

To: Drinking Water Program
Regional and District Engineers

From: Division of Drinking Water and
Environmental Management

Subject: Policy Memo 97-005 Policy Guidance for Direct Domestic Use of Extremely Impaired Sources

The treatment train also included partial RO to meet the nitrate primary MCL and TDS secondary MCL, as well as surface water discharge requirements for selenium and. Trussell Technologies supported permitting activities under CDPH Policy Memo 97-005 for an extremely impaired groundwater source.

Summit Water Treatment Plant Upgrades Support (San Gabriel Valley Water Company)

Project Highlights:

✓	Conventional water treatment plant
✓	Pilot testing
✓	Evaluated GAC for simultaneous reduction of turbidity, TOC, MIB, and Geosmin
✓	DDW interaction

Trussell is supporting San Gabriel Valley Water Company with planned upgrades and expansion of the Summit Water Treatment Plant (Summit WTP), a facility that treats a blend of State Water Project (SWP) water conveyed via Silverwood Lake and local Lytle Creek supplies using conventional surface water treatment and a diatomaceous earth (DE) filtration facility. In response to sustained drought conditions and increased reliance on SWP water, which contains higher levels of natural organic matter (NOM) and bromide that serve as disinfection by-product (DBP) precursors, Summit WTP is undergoing improvements to comply with the EPA Stage 2 DBP Rule and address persistent taste and odor (T&O) challenges.



Trussell led a pilot-scale evaluation to compare the plant's existing media configuration with three alternative deep bed configurations using sand and anthracite and granular activated carbon (GAC) media. Our team designed and constructed the pilot system and managed all aspects of its installation, operation, and performance analysis. The study objectives included evaluating GAC media for simultaneous turbidity and DBP precursor removal as an alternative to conventional post filtration GAC, assessing filtration performance at rates up to 8 gpm per square foot, and selecting the optimal GAC media for full scale application.

In addition to pilot testing, Trussell conducted a series of bench scale evaluations including T&O challenge testing, simulated distribution system (SDS) DBP testing, and jar testing for enhanced coagulation to optimize pretreatment. Currently, we are supporting the full scale GAC design by engaging with nearby utilities that operate post filtration GAC systems to gather real world performance and operational data

Pure Water Oceanside

Project Highlights:

✓	Title 22 Engineering Report
✓	AWPF operations and maintenance support during start-up and commissioning
✓	As-needed technical support to troubleshoot compliance and process performance issues
✓	Wastewater process optimization
✓	AWPF operator training
✓	DDW compliance reports for IPR
✓	Operation Optimization Plan
✓	Operations and Maintenance Plan
✓	Chlorine Contactor Tracer study

Trussell has a long history with the City of Oceanside (City), supporting their indirect potable reuse concept and feasibility since 2016. Trussell helped develop the Title 22 Engineering Report for the project and led a pathogen monitoring study to demonstrate log reduction through the San Luis Rey Water Reclamation Facility (SLRWRF). Most recently, Trussell has been retained by the City to support the advanced water purification facility (AWPF) and the upstream wastewater SLRWRF that provides feed water to the AWPF. Trussell has supported the City to ensure reliable high quality wastewater is produced by SLRWRF for successful treatment downstream at the AWPF to meet all regulatory requirements.



UF Trains at Pure Water Oceanside AWPF

The City completed construction and commissioning of the Pure Water Oceanside facilities in 2021, which include expansion of the SLRWRF Plant 2 wastewater facility to a nitrification-denitrification process, a 4.5-mgd advanced water purification facility (AWPF), conveyance pipelines, and injection wells to the Mission Basin groundwater aquifer for indirect potable reuse. The AWPF includes membrane filtration (MF), reverse osmosis (RO), ultraviolet with advanced oxidation (UV/AOP), free chlorine disinfection, and post-stabilization. Trussell was contracted by the City to continue providing technical assistance on several aspects of the Pure Water Oceanside project, including: i) development of the Operations and Maintenance Plan (O&M Plan), ii) development of the Operation Optimization Plan (OOP) for submission to the California Division of Drinking Water (DDW), iii) AWPF operator training, iv) support during plant start-up and commissioning, v) execution of a Chlorine Contactor Tracer Study, vi) regulatory compliance reporting, and vii) control system programming support to optimize operations, and viii) troubleshoot compliance and process performance issues, as needed. Trussell has been instrumental in the successful implementation of San Diego's first potable reuse project.

Appendix II - Key Personnel Resumes



C. Bryan Trussell, P.E., BCEE

EDUCATION

- M.S., Environmental Engineering, *University of Illinois at Urbana-Champaign*
- B.S., Environmental Engineering, *University of California, Berkeley*

REGISTRATION

Civil Engineer, State of California – No. 71468

CERTIFICATION

Board Certified Environmental Engineer, American Academy of Environmental Engineers – No. 13-10027

Specialty: Water Supply & Wastewater

SUMMARY

Bryan Trussell has a B.S. in Civil Engineering from the University of California at Berkeley and a M.S. in Environmental Engineering from the University of Illinois at Urbana-Champaign. Mr. Trussell is a registered Civil Engineer in the State of California with twelve years of work experience at Trussell. Mr. Trussell previously worked for 9 years with the City of Los Angeles' Bureau of Sanitation, bringing invaluable insight and perspective to the many challenges facing today's utilities. Since joining Trussell, he has led several projects to support regulatory approval and implementation of alternative free chlorine disinfection for Title 22 recycled water, including multiple interactions with the California Division of Drinking Water (DDW) on the subject.

Mr. Trussell has worked on several advanced treatment projects including the pilot and bench testing for the Terminal Island Advanced Oxidation Process testing, pilot testing for the advanced wastewater treatment facility at the Donald C. Tillman Water Reclamation Facility, and the development of engineering reports for the City of Los Angeles' Donald C. Tillman's Groundwater Recharge Project and Upper District's Indirect Reuse Replenishment

project. Mr. Trussell is an active member of the California Water Environment Association and serves as the chair for the Education Committee.

PROJECT EXPERIENCE

El Toro Water District

Alternative Disinfection Assessment and Regulatory Support

Year: 2022 – Present

El Toro Water District (ETWD) approached Trussell seeking to reduce chemical usage during chlorine disinfection at its water recycling plant. Trussell investigated this objective by evaluating two alternative disinfection strategies: low-CT free chlorine disinfection and sequential chlorination. Trussell reviewed current operational data for the plant and developed preliminary operational criteria to determine 1) whether these alternative disinfection strategies were feasible for ETWD and 2) to estimate any potential savings and operational improvements by implementing either of these alternatives. Trussell prepared a technical memorandum detailing its findings. ETWD decided to move forward by pursuing low-CT free chlorine disinfection.

Role: *Principal-in-Charge*

Los Angeles Bureau of Sanitation

Title: Hyperion Water Reclamation Plant – Hyperion 2035 Concept Design Development

Year: 2020-2024

The City of Los Angeles is embarking on a new era of potable reuse with the Mayor's goal of achieving zero effluent discharges to the ocean by 2035. Trussell was part of the planning team developing project concepts. Specifically, Trussell developed treatment alternatives for the conversion of the Hyperion Water Reclamation Plant's high purity oxygen activated sludge system considering combinations of conventional activated sludge with gravity clarifiers and membrane bioreactors, ultimately leading to the decision to use MBRs for the future reuse project. Additionally, Trussell led the process conceptual design of MF, RO, AOP, and post treatment for a direct potable reuse treatment train within the existing footprint at HWRP. Trussell also led an evaluation of high recovery RO options for maximizing reuse options. Ultimately supported completion of the Program Implementation Plan.

Role: *Project Manager*

Western Municipal Water District

Recycled Water Policy Alternative Disinfection Acceptance Using Free Chlorine

Year: 2020 – Present

Trussell was retained by Western Municipal Water District to assist in a request to the Water Board to grant compliance for an alternative disinfection process using free chlorine at the Western Riverside County Regional Wastewater Authority's (WRCRWA) Treatment Plant. As part of this effort, Trussell reviewed the design, historical performance, and water quality of the WRCRWA plant. Using the historical water quality, a comparison to WaterVal tables was performed to develop appropriate CTs. A technical memorandum (TM) was prepared including a discussion on integrated control and alarms, which was submitted to the Water Board for review and approval. Independent of the TM submittal to DDW, Trussell conducted bench scale testing to assess the required CT to achieve coliform compliance. Trussell also prepared an Operations Plan of the free chlorine process to document the control setting and maintenance requirements of the disinfection process.

Role: *Project Manager*

Inland Empire Utilities Agency

Title: Technical Support for Quality Assurance Project Plan (QAPP) (Chino Basin GWR Project)

Year: 2019 – 2020

Trussell was retained by IEUA to assist in the compliance of the Chino Basin Groundwater recharge project because of the promulgation of formal regulations in 2014. Trussell prepared a Quality Assurance Project Plan for the Chino Basin Groundwater Recharge Project, specifically with a focus on quality control for compliance with California's Recycled Water Policy. This effort included coordination with the Division of Drinking Water and incorporating comments to ensure the QAPP was accepted by regulators.

Role: *Project Manager*

Western Municipal Water District

Title: Western Riverside County Regional Wastewater Authority (WRCRWA) Treatment Plant Process Support

Year: 2019 – 2024

Western Municipal Water District operates the WRCRWA Treatment Plant located in Corona, California, treating up to 14 mgd with biological oxidation, tertiary filtration and disinfection. Trussell worked with operations staff to review operational

performance, providing recommendations to improve process performance and minimize ammonia break through. Recommendations in regard to the primary equalization setpoints, oxidation ditch dissolved oxygen and solids retention time, and control strategies in the chlorine contact basin have provided improved plant performance.

Role: *Project Manager*

Newhall County Water District (NCWD)

Title: IPR Feasibility Study

Year: 2017 - Present

Trussell Technologies, Inc. is conducting a feasibility study for a Santa Clarita Valley Indirect Potable Reuse Project. The purpose of this study is to further investigate the feasibility of an indirect potable reuse (IPR) project as outlined in the 2016 Castaic Lake Water Agency (CLWA) Recycled Water Master Plan. The study includes the evaluation of the availability and quality of recycled water, groundwater modeling to determine recharge potential and diluent water volumes, a cost benefit analysis, and engaging the regulatory community for input and feedback.

Role: *Project Manager*

Los Angeles Bureau of Sanitation

Title: Terminal Island Water Reclamation Plant Optimization and Technical Support

Year: 2017 – 2021

Trussell was retained by the City of Los Angeles, Bureau of Sanitation (LASAN) to troubleshoot and provide technical support for the implementation of the recently expanded advanced water treatment facility (AWTF). As part of this effort, Trussell led a series of tests to determine the potential cause of bromate formation from the newly commissioned ultraviolet light advanced oxidation process using free chlorine as an oxidant. Trussell successfully developed a solution and worked with TIWRP staff to implement, resulting in the successful mitigation and the resumption of water deliveries to the Dominguez Gap. Trussell remains engaged with plant staff and continues to work on optimization of the TIWRP AWTF to provide enhanced process reliability, performance, and efficiency.

Role: *Project Manager*



David R. Hokanson, Ph.D., P.E., BCEE

EDUCATION

- Ph.D., Environmental Engineering, Michigan Tech University
- M.S., Civil Engineering, Michigan Tech University
- B.S., Environmental Engineering, Michigan Tech University

REGISTRATION

Civil Engineer, State of California – No. 70254
Professional Engineer, State of Michigan –
No. 6201052273

CERTIFICATIONS

Board Certified Environmental Engineer,
American Academy of Environmental
Engineers – No. 09-10037

SUMMARY

Dr. Hokanson is an expert on physical and chemical processes applied to water treatment and potable reuse, with over 30 years of experience with 20 years at Trussell and more than 75 publications. Dr. Hokanson specializes in groundwater treatment for removal of contaminants such as PFAS, perchlorate, and PCE. Recent project work includes GAC treatment facilities for the City of Monterey Park, Fallbrook Public Utilities District, and Puente Valley. Additionally, Dr. Hokanson has developed models for GAC and ion exchange treatment technologies and set up the RSSCT capabilities in Trussell's lab. Dr. Hokanson is a Past Chair of the CA-NV Section of the American Water Works Association. Dr. Hokanson maintains a strong working relationship with regulators helping to smooth the permitting process for challenging drinking water treatment projects.

SELECT PROJECT EXPERIENCE

Geosyntec Consultants

Title: Evaluation of Treatment Alternatives and Gaining CDPH Approval for the Puente Valley Operable Unit

Year: 2014 – 2016

A treatment train was developed for removal of VOCs, perchlorate, 1,4-dioxane, as well as TDS, nitrate, and selenium for groundwater in the Puente Valley Operable Unit in the San Gabriel Valley. Trussell Technologies provided an evaluation of the entire treatment train and contributed heavily toward the development of a basis of design report and preliminary design including consideration of air stripping and/or liquid phase GAC for removal of VOCs, ion exchange for the removal of perchlorate, and UV AOP for the removal of 1,4-dioxane. Trussell Technologies supported permitting activities under CDPH Policy Memo 97-005 for an extremely impaired groundwater source. Dr. Hokanson led Trussell's efforts in the evaluation of treatment alternatives and meeting CDPH requirements for the treatment train.

Role: *Project Engineer*

City of Monterey Park / SA Associates

Title: Owner's rep. for the City of Monterey's Park Implementation of a Centralized Groundwater Treatment System (CGTS)

Year: 2016 - 2022

The City of Monterey Park recently implemented its CGTS incorporating treatment with a UV advanced oxidation process (UV AOP) to remove 1,4-dioxane and VOCs, followed by liquid phase granular activated carbon (GAC) to remove hydrogen peroxide and per- and poly-fluoroalkal substances (PFAS). Working with SA Associates, Dr. Hokanson worked to ensure the City's interests were met in terms of the UV AOP and GAC treatment technologies. This involved meeting with DDW throughout the project on regulatory issues and providing a UV AOP operational strategy to allow the the plant to operate after problems with UV AOP performance testing, and overseeing RSSCT.

Role: *Project Manager*

Cooperating Respondents (confidential)

Title: Baldwin Park Operable Unit

Year: 2015 – 2019

Trussell Technologies was retained by the Cooperating Respondents to provide a technical assessment of process performance, design submittals, and an assessment of regulatory considerations with regards to the groundwater cleanup in the Baldwin Park Operable Unit (BPOU). Treatment technologies considered include air stripping, ion exchange, granular activated carbon, and ultraviolet light advanced oxidation processes for the treatment of VOCs, perchlorate, NDMA, and 1,4-dioxane. Trussell Technologies worked directly with the utilities within the BPOU including the La Puente Valley County Water District to review process performance and provide guidance on process optimization. The project successfully amended the operating conditions of an air stripper to regain the overall plant design capacity and decreases in overall chemical consumption. A new GAC specification was also developed.

Role: *Project Engineer*

Confidential Client

Title: Contaminated Groundwater Treatment and Concept Design Evaluation

Year: 2022-2025

Trussell Technologies was engaged for bench testing to assess treatability of a groundwater contaminated by total petroleum hydrocarbons (TPH) in addition to other constituents. Overall, the groundwater contained multiple contaminants including benzene, toluene, ethylbenzene, xylene(s), total petroleum hydrocarbon (diesel and gasoline), polycyclic aromatic hydrocarbons, and phenols. The bench top evaluation included jar testing, collimated beam, rapid small scale column testing (granular activated carbon), and solution ozone testing (ozonation). The recommended treatment process included an oil separator, granular activated carbon, and ultraviolet light advanced oxidation process. A conceptual design for the recommended treatment process was developed including a Class V cost estimate.

Role: Project Engineer

San Gabriel Valley Water Company (SGVWC) – West Yost

Summit Water Treatment Plant Water Quality Modifications Project

Date: 2021-2023

The SGVWC is expanding conventional filtration at its Summit Water Treatment Plant. Summit WTP treats water from the State Water Project (SWP) via Silverwood Lake and local water from Lytle Creek. The use of SWP water has increased due to drought. SWP water historically contains higher concentrations of disinfection by-product (DBP) precursor material (e.g., NOM and bromide). Summit WTP is undergoing upgrades and expansions to comply with the EPA mandated Stage 2 DBP Rule and address periodic taste and odor issues associated with SWP water. Trussell led a pilot-scale evaluation comparing SWTP's existing media configuration against three alternative deep-bed sand/antracite and GAC media configurations. Objectives of the evaluation were to determine if deep-bed granular media filters can operate at filtration rates as high as 8 gpm/SF and to select the GAC media. Simulated distribution system (SDS) DBP testing along with jar testing for enhanced coagulation was also used to optimize pre-treatment at SWTP.

Role: *Project Engineer*

San Gabriel Valley Water Company

Title: Evaluating Air Stripping Performance for the San Gabriel Valley Water Company

Year: 2023-2024

The San Gabriel Valley Water Company was experiencing a decline in performance for two of its air strippers. The decline was occurring almost immediately after changing out the packing material from the air strippers. Trussell was retained to investigate and identify the cause of the decline in air stripper performance. Trussell's scope also involved coming up with a solution to restore treatment efficiency. Trussell determined the cause of the decline based on detailed analysis of the air stripper performance based on theory and practice. Trussell also provided alternatives to mitigate the problems.

Role: Project Manager

Alameda County Water District (ACWD)

Evaluation and Design of PFAS Treatment Facility

Year: 2022-2025

Per- and polyfluoroalkyl substances (PFAS) have recently been detected in select groundwater wells of the Alameda County Water District (ACWD) in Fremont, CA. The levels of some PFAS compounds exceed the California notification levels and response levels, which limits the utility's groundwater production capacity. ACWD retained Trussell to evaluate different treatment options for PFAS, which included bench testing of granular activated carbon (GAC) and ion exchange (IX) media via Rapid Small Scale Column Testing (RSSCT). Based on Trussell's alternatives analysis, ACWD decided to proceed with the design and construction of a 6 mgd IX treatment facility. Dr. Hokanson served as a Technical Advisor and provided expert guidance on Rapid Small Scale Column Testing (RSSCT) with both GAC and Ion Exchange Media. Dr. Hokanson also reviewed the project at various stages of design.

Role: Technical Advisor

Fallbrook Public Utilities District, CA

Santa Margarita River Conjunctive Use Project (includes PFAS)

Year: 2014-2022

The Fallbrook Public Utility District is integrating a new potable water supply into their portfolio through the Santa Margarita River Conjunctive Use Project, where FPUD will receive infiltrated Santa Margarita River water from Marine Corps Base Camp Pendleton. The 8-mgd facilities include iron and manganese treatment, reverse osmosis, granular activated carbon for PFAS removal, stabilization and disinfection. Dr. Hokanson was the technical advisor for the design, procurement, RSSCT for PFAS, and permitting of the GAC treatment system.

Role: Technical Advisor

City of San Diego / Gillingham Water Planning and Engineering

Title: Mission Valley Groundwater Feasibility Study

Year: 2017 - 2019

Gillingham Water contracted Trussell Technologies to perform an initial evaluation of the cleanup of the Mission Valley Groundwater Basin for TBA. TBA considerations included potential treatment technologies & implications for DDW permitting. A total of five treatment technologies were considered in a thorough literature review. From this effort, advanced oxidation using UV and hydrogen peroxide (UV H₂O₂) was deemed most feasible in terms of permitting and cost. Once a feasible treatment technology for TBA removal was determined, the project team developed a conceptual level design. The main treatment technologies included were greensand filtration for iron and manganese removal, RO for salinity removal, and UV H₂O₂ for TBA treatment, plus post-stabilization and disinfection.

Role: Project Manager

San Francisco Public Utilities Commission **Constituents of Emerging Concern (CEC) Update**

Year: 2025

Trussell was retained by the San Francisco Public Utilities Commission (SFPUC) to prepare a triennial update to its CEC report. This report was ultimately presented successfully to the Commission and to the Public. Trussell completed a literature review on several emerging issues for SFPUC including microbial pathogens, PFAS, DBPs, algal toxins, PPCPs and microplastics among others. Trussell also worked on development of a monitoring plan in the context of regulatory developments.

Role: Project Manager



M. Teresa Venezia

EDUCATION

- M.A., Governance, Auditing and Control Systems, *University of "Roma Tre", Rome, Italy*
- B.S. and M.S., Environmental Engineering, *University of Rome "La Sapienza", Italy*

REGISTRATION

- Civil and Environmental Engineer, Italy

SUMMARY

Ms. Venezia has over 16 years' experience at Trussell Technologies, Inc., having previously been at the Italian National Research Council (the Italian equivalent of US National Academy of Sciences) and UCLA. Ms. Venezia's experience includes project planning, project writing, laboratory work and field work. Ms. Venezia has extensive experience testing treatments for removal of contaminants such as PFAS, perchlorate and PCE both at the bench and pilot scale. Recent project work includes GAC treatment facilities for the City of Monterey Park and Metropolitan Water District of Southern California.

SELECT PROJECT EXPERIENCE

Alameda County Water District (ACWD)

PFAS Treatment at the Groundwater Facilities

Year: 2022-2025

ACWD is planning to construct a 6 MGD PFAS treatment system (expandable to 15 MGD) for their groundwater system. ACWD selected Trussell to evaluate treatment alternatives, conduct bench-scale testing, design the treatment system (ion exchange), and support with construction and permitting. Ms. Venezia led the RSSCT bench testing that was used to support the selection of IX as the preferred treatment technology.

Role: *Project Engineer*

City of Monterey Park

PFAS Evaluation with RSSCT for the City of Monterey Park's Centralized Groundwater Treatment System (CGTS)

Year: 2020-2022

The City of Monterey Park is in the process of implementing its CGTS incorporating treatment with a UV advanced oxidation process (UV AOP) followed by liquid phase granular activated carbon (GAC) to remove the UV AOP oxidant (hydrogen peroxide) and per- and poly-fluoroalkal substances (PFAS). Trussell was hired to conduct Rapid Small Scale Column Testing for PFAS to evaluate three different granular activated carbons at a single EBCT. Trussell developed a Test Plan, conducted testing, prepared a report for the Division of Drinking Water (DDW) and interacted with the DDW to get the results approved. Trussell conducted the test in the presence and absence of hydrogen peroxide.

Role: *Project Engineer*

City of Monterey Park / SA Associates

Title: City of Monterey Park's Centralized Groundwater Treatment System (CGTS) (includes PFAS)

Year: 2016-2022

The City of Monterey Park is in the process of implementing its CGTS incorporating treatment with a UV advanced oxidation process (UV AOP) followed by liquid phase granular activated carbon (GAC) to remove the UV AOP oxidant (hydrogen peroxide) and per- and poly-

fluoroalkal substances (PFAS). Working with SA Associates, Dr. Hokanson worked to ensure the City's interests were met in terms of the UV AOP and GAC treatment technologies, as well as PFAS later in the project. This involved meeting with DDW throughout the project on regulatory issues for the CGTS and providing a direct deliverable to DDW related to UV AOP to allow the plant to operate when the UV AOP performance testing for the plant did not meet expectations.

Role: *Project Engineer*

Metropolitan Water District of Southern California / Stantec

Direct Potable Reuse Research for PWSC – Literature Review, Desktop Modeling and Bench-scale Testing including RSSCT
Year: 2023-2024

Working with Stantec, Trussell was retained by MWDSC for research in direct potable reuse treatment. Metropolitan and LACSD are developing a large-scale regional recycled water program (PWSC) to beneficially reuse water currently discharged to the Pacific Ocean. The overall program involves construction of an Advanced Water Purification Facility (AWPF) to treat effluent from the LACSD's Warren Facility located in the City of Carson, California, as well as a new regional conveyance system and associated infrastructure to utilize the purified water to augment regional water supplies. Trussell has completed a literature review and conducted bench testing related to the overall project including RSSCT.

Role: *Project Engineer*

AECOM / Department of Toxic Control Substances/Whittier Narrows Operable Unit (WNOU)

PFAS Evaluation with RSSCT for the WNOU
Year: 2020-2021

Trussell was retained by the Department of Toxic Substances Control (DTSC) / to perform Rapid Small-Scale Column Testing (RSSCT) using source water from the Whittier Narrows Operable Unit (WNOU) Groundwater Extraction and Treatment System (GWETS). The RSSCT

was used to develop breakthrough curves for 18 per- and polyfluoroalkyl substances (PFAS), VOCs Trichloroethylene (TCE) and Perchloroethylene (PCE).

Role: *Project Engineer*

Carollo / Los Angeles Sanitation and Environment

GAC Bench-Scale Testing

Date: 2018-2019

Carollo/LASAN retained Trussell to develop and execute an experimental plan for GAC bench-scale testing to determine the breakthrough curves and the time necessary to reach full exhaustion of the carbon adsorption capacity for bulk organic carbon and per- and polyfluorinated alkyl substances (PFAs), specifically perfluorooctanoate acid (PFOA) and perfluorooctanesulfonate acid (PFOS). Bench tests were performed in the Trussell laboratory located in Pasadena. Three different empty bed contact times (EBCTs) were tested (10, 20, 30 minutes) to assess the optimal carbon usage and regeneration frequency. The carbon used for all testing was Calgon F400. The results indicated that the longer EBCTs tested showed improved efficiency of bulk organic matter removal and change outs could occur every 2 months. Additionally, the GAC preferentially removed the majority of other bulk organics as PFAS was not detected in the effluent well beyond the breakthrough of bulk organic matter.

Role: *Project Engineer*



Elise Chen, P.E.

EDUCATION

- M.S., Civil Engineering, University of California, Los Angeles
- B.S., Civil Engineering, University of California, Los Angeles

CERTIFICATION

Civil Engineer, State of California—No. 91124
Grade V Wastewater Treatment Plant
Operator—Certificate Number 42568 (exp. 1/18/2027)
Grade V Advanced Water Treatment
Operator—Certificate Number 152 (exp. 7/31/27)

SUMMARY

Elise Chen has a B.S. and M.S. in Civil Engineering from the University of California at Los Angeles. Her work experience includes operation and maintenance of the Advanced Water Purification Facility in San Diego, operation and maintenance of the Regional Recycled Water Advanced Purification Center, start-up and commissioning and continued technical support of Pure Water Oceanside, start-up and commissioning of North City Pure Water Facility, and execution of test plans to validate demonstration-scale advanced water treatment trains for potable reuse.

PROJECT EXPERIENCE

Metropolitan Water District of Southern CA/Sanitation Districts of LA County

Title: Regional Recycled Water Advanced Purification Center Demonstration Project
Year: 2018–2020

The Metropolitan Water District of Southern California (MWD) and the Sanitation Districts of Los Angeles County (LASAN) are developing the design of a 150 million gallon per day (MGD) AWWP at the Joint Water Pollution Control Plant (JWPCP). The Advanced Purification Center demonstration plant is a 0.5-MGD plant which includes tertiary membrane bioreactors, reverse osmosis, and ultraviolet with advanced oxidation. Trussell was one of the consultants advising during the start-up and commissioning of the demonstration facility. Once start-up and commissioning was successfully completed, the Trussell team is responsible for the initial operation of the plant and development and execution of a yearlong test plan which includes numerous chemical constituents and pathogen crediting through the MBR system. Ms. Chen is a key team member of the operations team at APC to successfully execute the yearlong test plan. She is the operations supervisor for this project. Her tasks include routine sampling, plant performance tracking, managing operations, and on-site maintenance and coordination with the LASAN and MWD staff.

Role: *Project Engineer*

City of San Diego / Stantec / Brown & Caldwell

Pure Water San Diego Program

Year: 2015–Present

The City of San Diego is in the midst of implementing its Pure Water Program. The goal of the Pure Water Program is to develop a 30-MGD capacity potable reuse water purification facility that is operational by 2025, and with a long-term goal of having one-third of San Diego's drinking water supply (approximately 83 MGD) be purified potable reuse water. Trussell is currently supporting the City to prepare for the start-up of the 30-MGD potable reuse purification facility. Ms. Chen led classroom training sessions for operators, covering the major treatment processes at the purification facility (e.g., MF, RO, UV/AOP). She is also leading the

preparation of the Operations Plan for the North City Pure Water Facility.

Role: *Project Engineer*

City of Oceanside

As-Needed Technical Support for Pure Water Oceanside

Year: 2021–Present

The Pure Water Oceanside Indirect Potable Reuse Groundwater Injection Project was constructed in 2021 to recycle water and create a new reliable and high-quality local water source. Trussell was involved in start-up and commissioning of the facility as the owner's agent and worked with the contractor and construction manager to test and verify performance of the treatment processes. In addition, Trussell was instrumental in securing regulatory approval from the Division of Drinking Water (DDW) for the facility. Since completion of start-up and commissioning in 2022, Trussell has continued working with City of Oceanside operators, engineers, and managers to troubleshoot technical and regulatory issues encountered during operations of the Pure Water facility and groundwater injection wells.

Role: *Project Engineer*

WaterReuse Research Foundation

Title: **Demonstrating Redundancy and Monitoring to Achieve Reliable Potable Reuse (WRRF-14-12)**

Year: 2014–2019

This high-profile \$3.1 million research project, funded by a Proposition 84 Integrated Regional Water Management Implementation Grant, involves the creation of a general framework for potable reuse safety, with subsequent implementation of the framework during yearlong demonstration testing. The project focuses on demonstrating how a facility might meet current and future potable reuse regulations with high levels of treatment performance (e.g., additional log removals of microbiological parameters, demonstrated contaminant removal) and operability. The demonstration testing is taking place at the City of San Diego's North City Water

Reclamation Plant 1.5-MGD Demonstration Facility, which includes ozone/BAC filtration pretreatment, MF/UF, RO, and UV/AOP with hydrogen peroxide.

Role: *Project Engineer*

City of San Diego

Implementation of Extended Testing of Advanced Water Purification Facility (AWPF)

Year: 2013–2015

Using the City of San Diego's 1-MGD facility previously used for demonstration of the full advanced treatment train for augmenting its San Vicente Reservoir water supply, Trussell conducted testing of additional advanced treatment barriers specific to potable reuse. The project team built upon an NWRI Panel's recommendations for treatment and monitoring needs associated with potable reuse. Ozone/BAC, both applied upstream of MF/UF and RO, was investigated as a means of providing additional disinfection credits for virus and protozoa, removing contaminants of emerging concern, and potentially reducing organic fouling of the membrane systems. The use of additional barriers further minimizes potential health concerns associated with the potable water reuse. The project team executed a tracer test for the newly installed ozone system, which was approved by the Division of Drinking Water. The team focused on optimizing treatment processes for pathogen and contaminant removal and gathered data from various online water quality monitoring technologies during an 8-month period of demonstration facility operation. Project findings on the most cost-effective and robust potable reuse treatment train were developed into a final report with a Class 5 estimate of treatment process costs.

Role: *Project Engineer*

City of San Diego

Demonstration Pure Water Facility Design Pilot Studies for the City of San Diego

Year: 2016-2018

Trussell Technologies evaluated the current condition of this 1 MGD Full Advanced Treatment Train and provided recommendations for optimizing operations at

both the demonstration- and full-scale. Trussell Tech evaluated the mechanical reliability, controls philosophy, plant control strategy, investigation of reverse osmosis (RO) oxidation protection control strategies optimization of chloramines' use for a more efficient control of membrane fouling, and operations optimization to control formation of disinfection byproducts (DBPs).

Ms. Chen's key roles were:

- Analyzing plant events logs and developing a mechanical reliability report
- Reporting current control philosophy and strategy
- Developing framework for enhanced monitoring of treatment facility with real-time process performance calculations
- Coordinating implementation of enhanced process performance monitoring on PLC
- Recommending future process monitoring enhancements to detect system aberrations and recommending automated system response to prevent system failure
- Adjusting operational setpoints in ozone system and chloramine dosing to control formation of DBPS and performing sampling to confirm efficacy of strategy
- Optimizing ozone operations to control bromate formation without compromising disinfection targets

Role: Project Engineer

City of San Diego

High Recovery RO Testing at the Pure Water Demonstration Facility (PWDF)

Year: 2019–Present

This study investigated the feasibility of operating at higher RO recoveries of up to 95% through modifications and testing at the City of San Diego's 1 million gallons per day (MGD) Pure Water Demonstration Facility (PWDF) to maximize product water production at the NCPWF.

Implications of increased RO recovery would potentially increase the capacity of NCPWF beyond 30 MGD delivered to the Miramar Reservoir and reduce RO concentrate stream to sewer discharge. Trussell executed the test

plan and monitored RO performance over a range of recoveries and pretreatment chemical doses at a pilot and at the PWDF.

Role: Technical Adviser

City of San Diego

Technical Assistance and Support Regulatory Compliance During Construction and Commissioning

Year: 2021–Present

The City of San Diego (City) is in the process of implementing the Pure Water San Diego project, which includes the construction of the 30-million gallon per day (MGD) North City Pure Water Facility (NCPWF). Trussell is providing technical support during construction and commissioning through review of requests for information (RFIs) from contractor and vendors, submittal review, start-up test plan review, review and testing of control screens, and observing various tests (e.g., functional testing, performance testing, etc) and unit process performance. Trussell is also providing regulatory support to ensure monitoring, controls, and operations are consistent with the Operations Plan to prepare facility for DDW inspection and secure approval for discharge to Miramar Reservoir. Once DDW approval is secured, Trussell will continue to support the City during the Operational Ramp-Up of the Facility to full production flow per plan agreed upon by DDW to troubleshoot operational and regulatory issues.



Adam Norris, PG, CHG
Senior Hydrogeologist



Years of Experience: 34

Education:

- MS, 1991, Geology, University of California, Los Angeles
- BS, 1989, Geological Sciences, University of California, Santa Barbara

Professional Registrations/Affiliations:

- Professional Geologist, CA, 1996, No. 6557
- Certified Hydrogeologist, CA, 2017, No. 1029
- Member, Groundwater Resources Association
- Member, American Water Works Association

Professional History:

- | | |
|----------------|---|
| 2020 – Present | Senior Hydrogeologist – INTERA Incorporated, Torrance, CA |
| 2015 – 2020 | Project Geohydrologist – GEOSCIENCE Support Services, Inc. La Verne, CA |
| 1993 – 2015 | Senior Hydrogeologist – MWH Americas, Incorporated (Now Part of Stantec) Pasadena, CA |
| 1991 – 1993 | Staff Geologist – Dames & Moore, Santa Ana, CA |

Training:

- OSHA 40-Hour Hazardous Waste Operations and Emergency Response (1992)
- OSHA 8-Hour Health and Safety Supervisor (1992)
- OSHA 8-Hour Health and Safety Refresher (2024)

Adam Norris is a Senior Hydrogeologist at INTERA with an MS degree in geology, a BS degree in geological sciences, and 34 years of professional experience implementing water resource studies and projects, investigating and remediating hazardous waste sites, and conducting environmental assessments and coordination. He is experienced managing field activities associated with well drilling operations (hollow-stem-auger, air rotary, casing hammer, caisson, bucket auger, downhole hammer, dual-tube, reverse water circulation, mud rotary, roto sonic, and rock core drilling). His experience includes custom well design, groundwater well construction and development (monitoring wells, extraction wells, injection wells, and municipal production wells), well rehabilitation, and aquifer testing. Adam has procured contractors and subcontractors and has prepared technical specifications, work plans, and technical reports.

Project Experience – Water Resources

Design, Technical Specifications, and Construction Management for New Water Supply Well, California American Water – Begonia Well No. 2 Replacement Project, Seaside, CA. 2024 – Present. *Project Manager and Senior Hydrogeologist.* Prepared project design, detailed specifications, and bid schedule for drilling, construction, development, and testing of a new Municipal Water Supply Well (Begonia Well No. 3) and destruction of an existing Municipal Water Supply Well (Begonia Well No. 2). Begonia Well No. 3 was completed to a total depth of 127 feet (ft) below ground surface (bgs) and will replace local Begonia Well No. 2, which is beyond its useful life and no longer meets local water supply demands. The design pumping rate for Begonia Well No. 3 is 900 gallons per minute (gpm). Prepared well completion report for Begonia Well No. 3 upon completion of construction. Destruction of Begonia Well No. 2 is pending.

Design, Technical Specifications, and Construction Management for New Municipal Water Supply Well No. 429-W1, Suburban Water Systems, La Mirada, CA. 2024 – 2025. *Project Manager and Senior Hydrogeologist.* Prepared project design, detailed specifications, and bid schedule for drilling, construction, development, and testing of new Municipal Water Supply Well No. 429-W1. Provided bid support, construction oversight, testing, analysis, and reporting services. The new water was completed to a depth of 1,410 ft bgs. The supply well design was based on findings from Besst Inc. water quality profiling, flow profiling, and packer testing of a nearby on-site long-screen test well. Prepared well completion report at end of project.

Design, Technical Specifications, and Construction Management for Rehabilitation of Aquifer Storage and Recovery Well ASR-4, California American Water, Monterey, CA. 2024 – 2025. *Project Manager and Senior Hydrogeologist.* Prepared project design, detailed specifications, and bid schedule for rehabilitation of Seaside Well ASR-4. Provided bid support, rehabilitation oversight, testing, analysis, and reporting services. Well ASR-4 extended to a total depth of 1,030 ft bgs. The design pumping rate for Well ASR-4 was 3,000 gpm. Prepared well rehabilitation report at end of project.

Design, Technical Specifications, and Construction Management Services for Construction of New Water Supply Well, California American Water, Schulte Well Replacement Project, Monterey, CA. 2021 – 2023. *Project Manager and Senior Hydrogeologist.* Prepared project design, detailed specifications, and bid schedule for drilling, construction, development, and testing of a test well and a municipal water supply well with total depths of 135 ft bgs. Provided bid support during procurement of the drilling contractor by the owner. Served as lead Construction Manager and lead Field Oversight Inspector during drilling, construction, development, and testing of both wells from start to completion. The new supply well (Schulte Well No. 3) has a design production rate of 1,300 gpm. During development, the supply well was pumped at rates up to 1,500 gpm. Managed step-drawdown and constant rate aquifer pumping tests at the site. The work additionally included destruction of the test well, an existing observation well, and the former on-site water supply well that was replaced during this project. Prepared final report presenting the results of well drilling, construction, development and testing, and destruction of select wells.

Design, Technical Specifications, and Construction Management Services for the Water Replenishment District of Southern California – LVL Inland Injection Well Project, Long Beach, CA. 2021 – 2023. *Project Manager and Senior Hydrogeologist.* Prepared project designs, specifications, and bid schedule for drilling, construction, development, and testing of an injection well having a total depth of 1,115 ft bgs and design injection rate of 1,500 gpm and for two triple nested monitoring wells with nested casings extending to sequential depths up to a maximum total depth of 1,075 ft bgs. Served as lead Construction Manager and lead Field Oversight Inspector during drilling, construction, development, and testing of all three wells from start to completion. The well designs were finalized based on hydrogeologic data, including lithologic logging of formation soil samples, geophysical logging, formation sample sieve analyses, and aquifer zone testing. During development, the injection well was pumped at rates up to 4,000 gpm. Equipped the injection well and 15 observation wells with transducers prior to implementation of step-drawdown and constant rate aquifer pumping tests conducted at the injection well. Prepared the Well Completion Report for the three wells.

Design, Technical Specifications, and Construction Management for Installation of Two New Water Supply Wells and Destruction of One Water Supply Well, City of Torrance, CA. 2019 – 2020. *Assistant Project Manager and Construction Manager.* Prepared the well designs and construction specifications. Provided permitting support (well construction permit, drinking water permit, National Pollutant Discharge Elimination System [NPDES] permit, and flood permit). Provided oversight and coordinated field inspection throughout construction, development, and testing of new City of Torrance Well Nos. 10 and 11. The wells were developed and tested at flow rates up to 4,000 gpm. Prepared the well completion report.

Technical Specifications for Water Supply Well Rehabilitation, Elsinore Valley Municipal Water District, Corona, CA. 2016. *Assistant Project Manager.* Prepared technical specifications for rehabilitation of water supply wells Flagler 2A and Flagler 2B.

Condition Assessment of the Injection Wells Associated with the Alamitos Barrier, Dominguez Gap Barrier, and West Coast Basin Barrier Projects, Los Angeles County Department of Public Works, CA. 2010 – 2012. *Condition Assessment Field Manager.* Coordinated and oversaw field implementation of the Los Angeles County Department of Public Works Barrier Injection Wells Condition Assessment including more than 125 injection wells. Successfully oversaw field assessment of barrier wells with various construction details including steel, stainless steel, asbestos-cement, and PVC casings. The assessed wells included single completion wells, nested wells, wells with packers, wells with below ground vaults, and wells with above ground houses. Field implementation included wells with site access issues including traffic control plans, encroachment permits, and third-party property access coordination. The field assessment process involved scheduling, logistical coordination, client coordination for injection shut-off and turn-on, wellhead access (well head disassembly, removal of injection piping and any packers), visual video log well condition assessment, geophysical well condition assessment (casing thickness and cement seal bond evaluation), and wellhead reassembly. Oversaw and coordinated field assessment activities including those conducted by wellhead access and geophysical well assessment subcontractors. A packer (plug) submergence methodology was developed and implemented for West Coast Basin Barrier Project barrier wells with relatively deep static water levels, allowing geophysical well condition assessment above the water table (Acoustic Televiewer, Cement Bond Log, and Sonic Log geophysical well condition assessment methodologies require submergence in water). Documented field assessment activities and findings and reviewed and processed all well condition assessment field data. Participated in preparing the comprehensive barrier well condition assessment report, evaluation of well reliability, development of recommendations for wells (e.g., repair, rehabilitation, or replacement, as applicable), and development of a Capital Improvement Plan.

STAFF Report



Date: September 14, 2026
To: Honorable Board of Directors
Subject: Consideration of Change Order Request from Civiltec Engineering, Inc. for the BPOU UV Treatment Feasibility Study

Purpose: *To authorize a change order with Civiltec Engineering, Inc. for additional professional engineering services required to expand the scope of the BPOU UVAOP Replacement Feasibility Study.*

Recommendation: *Authorize the General Manager to Proceed with the Change Order Request for a Not-to-Exceed Amount of \$69,755.00.*

Fiscal Impact: *The initial cost for Civiltec Engineering, Inc. to execute the UVAOP Feasibility Study was \$98,255. The proposed change order will increase the total project cost by \$69,755, resulting in a revised amount of \$168,010. The total project cost of \$168,010 for the UVAOP Replacement Feasibility Study is a BPOU Capital Project expense and shall be 100% reimbursed by the Cooperating Respondents.*

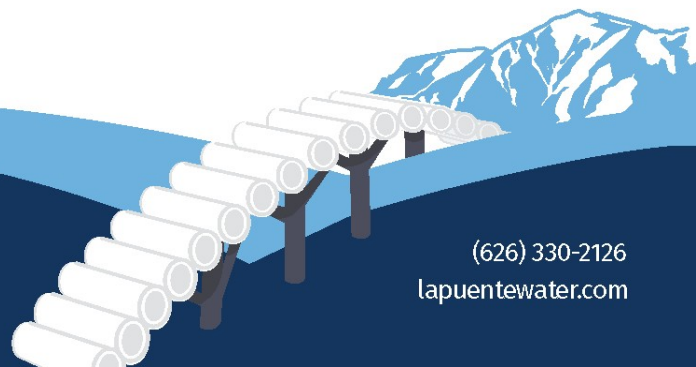
BACKGROUND

The District is currently evaluating alternatives for replacing and upgrading the existing Low-Pressure Ultraviolet Advanced Oxidation Process (UVAOP) treatment system at the Baldwin Park Operable Unit Treatment Plant (BPOU). In 2025, the District retained Civiltec Engineering, Inc. to prepare a feasibility study evaluating replacement options for the existing UVAOP treatment system and identifying a recommended path forward for future design and implementation. The original agreement was approved in the amount of \$98,255.00.

Since initiation of the study, District staff and the Cooperating Respondents (CRs) determined that additional evaluation was necessary to assess potential future contaminant loading scenarios and ensure the recommended UVAOP system can be expanded without requiring substantial facility modifications. Additional professional engineering services were requested by District staff and the CRs to further evaluate future treatment requirements, regulatory considerations, facility capacity needs, constructability constraints, and potential future expansion scenarios.

SUMMARY

The District has engaged with Civiltec Engineering, Inc. and the CRs to revise the scope of the feasibility study. Amendment No. 1 was developed in coordination with the Cooperating Respondents and reflects additional analyses requested during the feasibility study review process.



The scope of the feasibility study has widened to evaluate treatment system configurations capable of treating up to 2,500 gallons per minute while achieving current State Water Resources Control Board Reporting Detection Limits for NDMA and 1,4-Dioxane using current concentration levels and increased levels due to plume migration or other changing groundwater conditions.

The scope of the feasibility study will include the following:

- Coordination with UVAOP equipment vendors regarding space, power, and process requirements;
- Hydraulic analyses and energy requirements to evaluate impacts to existing treatment facilities;
- Development of conceptual facility layouts illustrating both initial and expanded treatment system configurations; and,
- Construction cost estimates for the recommended configuration.

Figure 1 – Revised Total Cost

Description	Cost (\$)
Original Contract	\$98,255
Amendment No. 1	\$69,755
Revised Contract Total	\$168,010

FISCAL IMPACT

The initial cost for Civiltec Engineering, Inc. to execute the UVAOP Feasibility Study was \$98,255. The proposed change order will increase the total project cost by \$69,755, resulting in a revised amount of \$168,010. The total project cost of \$168,010 for the UVAOP Replacement Feasibility Study is a BPOU Capital Project expense and shall be 100% reimbursed by the Cooperating Respondents.

RECOMMENDATION

Authorize the General Manager to Proceed with the Change Order Request for a Not-to-Exceed Amount of \$69,755.00

Respectfully Submitted,



Roy Frausto
General Manager

ENCLOSURES

- Enclosure 1: Amendment No. 1 – BPOU UVAOP Replacement Feasibility Study

August 21, 2026

La Puente Valley County Water District
112 N 1st Street
La Puente, CA 91744

Sent Via Email: rfrausto@lapuentewater.com

ATTN: Roy Frausto | General Manager

**RE: Amendment 1 - UVAOP Replacement Feasibility Study
La Puente, CA 91744 | Civiltec Project 2025321.00**

Dear Roy,

The attached Amendment-1 reflects the expansion/revision of the scope of work requested in the review and the recent teleconference meeting comments of the Feasibility Study report.

The study is to evaluate a treatment capacity of 2,500 gpm of the facility, considering other support treatment components such as the air stripper towers and ion exchange are sized accordingly and no plans to expand the plant are foreseen.

Per the meeting discussion agreement, the study will use the current State Water Resources Control Board (SWRCB) Reporting Limit/Detection Limit Reporting (RL/DLR) for NDMA and 1-4 Dioxane as design criteria treatment goals (less than) synonymous with non-detect (ND), as shown in the Table-1 below.

Table-1: Regulatory Limits

	NDMA	1-4, Dioxane
EPA MCL	None	None
SWRCB NL	0.01 ppb	1 ppb
SWRCB PHG	0.003 ppb	0.04 ppb
SWRCB RL/DLR	0.0028 ppb	0.026 ppb

MCL	Maximum Contaminant Level
NL	Notification Level
PHG	Public Health Goal
RL/DLR	Reporting Limit/Detection Limit Report

The feasibility study will be revised to evaluate two configurations of the UVAOP treatment system based on the capacity and influent concentrations levels of NDMA and 1,4-Dioxane listed in Table-2. The two configurations consist of the assumed contaminant influent concentrations at the initial installation of the equipment and the ability of initial installation to be expanded in the future should the higher concentrations from an upgradient plume of the contaminants migrate to the facility source water wells. Table-2 lists the two configurations and the contaminant concentrations of the influent water to the treatment system for each.

Table-2: Evaluation Scenarios - Flowrate, Influent Concentration

**Effluent Treatment to Current SWRCB RL/DLR
 (NDMA = 0.0028 ppb, 1-4, Dioxane = 0.026 ppb)**

	<u>Initial Installation</u>	<u>Future Expansion Installation Capacity</u>
Treatment Flowrate, gpm	2 x Avg Recent 5 Years Data Well 2	Upgradient Plume Potential
2,500	Influent NDMA: 2 x 22.4 ng/l (0.0224 ppb) = 44.8 ng/l (0.0448 ppb)	Influent NDMA: 150 ng/l (0.15 ppb)
	Influent 1,4-Dioxane: 2 x 0.5 µg/l (0.5 ppb) = 1.0 µg/l (1.0 ppb)	Influent 1,4-Dioxane: 3.0 µg/l (3.0 ppb)

The initial installation will assume the influent concentration of contaminants is equal to two times the average water quality data from Well 2, the worst case well. The upgradient plume concentrations were developed based on water quality data and safety factor multipliers by others.

The study will evaluate the ability to utilize the existing treatment building's spare space for the new UVAOP using the assumptions listed in table-2 for the Initial Installation and Future Expansion for increased NDMA and 1,4-Dioxane influent levels. The study will assume in both scenarios the new treatment system will be housed in the existing treatment building spare space.

Civiltec will coordinate with the UVAOP system supplier to determine the initial installation and future expansion requirements. Consideration to power requirements of each configuration will be a factor in determining facility upgrades needed for the installations. We will perform a hydraulic analysis of the configurations to evaluate and consider design measures to minimize impacts to the facility.

Conceptual layouts of each configuration will be developed to illustrate to the project team the integration of the new UVAOP equipment at the facility. We envision two layouts in plan view and select sections, showing the existing treatment building with the initial installation and with the future expansion. The construction cost estimate will be developed based on installation of the treatment system using the spare space of the existing treatment building.

The Feasibility Study will first be developed in a draft form for project team members to review and comment. We will hold a teleconference to meet and discuss review comments for incorporation into the final Feasibility Study to include the recommended approach to the subsequent detailed design.

AMENDMENT 1 FEE DISTRIBUTION SCHEDULE

	Original Contract	Amendment-1	Total Adjusted Contract
Phase 1. Project Management, Meetings, and Site Visits	\$7,650.00	\$4,710.00	\$12,360.00
Phase 2. Existing Conditions Research and Basemap Development	\$8,110.00	\$0.00	\$8,110.00
Phase 3. Coordination With Equipment Vendor	\$3,220.00	\$1,975.00	\$5,195.00
Phase 4. Design Criteria Technical Memorandum	\$2,220.00	\$0.00	\$2,220.00
Phase 5. Hydraulic Analysis	\$2,980.00	\$1,330.00	\$4,310.00
Phase 6. Concept Layouts	\$19,370.00	\$16,945.00	\$36,315.00
Phase 7. Construction Cost Estimate of UV Equipment Retrofit	\$17,860.00	\$16,800.00	\$34,660.00
Phase 8. Regulatory and Permitting	\$2,850.00	\$0.00	\$2,850.00
Phase 9. Feasibility Study Development	\$33,995.00	\$27,995.00	\$61,990.00
Total	<u>\$98,255.00</u>	<u>\$69,755.00</u>	<u>\$168,010.00</u>

Professional fees for the above-described services will be billed on a fixed fee basis as summarized in the following table. A breakdown of our hours and fees is included as Attachment A.

Any work not authorized within 3 months of the date of this proposal will be subject to renegotiations based on current rates. Capacity and impact fees associated with application filings shall be the responsibility of the LPVCWD. Additional services may be authorized by LPVCWD based on **Civiltec's** Hourly Rate Schedule. **Civiltec** will bill monthly for all work performed and expenses incurred on the project's behalf.

If this proposal is acceptable, please return a signed copy to our office. Again, thank you for the opportunity to submit this proposal. We look forward to working with you on this project. Please contact the undersigned directly with any comments or questions.

Civiltec engineering, inc.

Steven Walker, PE (swalker@civiltec.com)
Project Engineer

SMW:cms

Attachment(s): A – Breakdown of Amendment 1 Hours and Fees

Proposal Acceptance:

The Terms and Conditions of this proposal are:

Accepted this _____ day of _____ 2026.

By Authorized Client Representative:

Name and Title

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Attachment A
Breakdown of Hours and Fees

Project Name: UVAOP Replacement Feasibility Study
Client: La Puente Valley County Water District
Contract Amendment 1
FF (CA25)
Date: August 21, 2026

Date: August 21, 2026	AMENDMENT 1										Amendment 1 Total Cost	Original Contract Amount	Total Amended Contract Amount																						
Scope of Work	HOURS																																		
	PIC \$ 290.00	SrE \$ 275.00	SrPM \$ 265.00	PrEE \$ 250.00	SrSE \$ 195.00	SrD \$ 210.00	SrSE \$ 195.00	SE \$ 180.00	Admin \$ 95.00																										
Phase 1 - Project Management, Meetings, and Site Visits	3	8	0	5	2	0	0	0	0	\$ 4,710.00	\$ 7,650.00	\$ 12,360.00																							
Task 1. Project Management	1	4	0	0	0	0	0	0	0	\$ 1,390.00																									
Task 2. Progress Meetings	1	2	0	3	0	0	0	0	0	\$ 1,590.00																									
Task 3. Workshop Review of Draft Feasibility Study	1	2	0	2	2	0	0	0	0	\$ 1,730.00																									
Phase 2 - Existing Conditions Research and Basemap Development	0	0	0	0	0	0	0	0	0	\$ -	\$ 8,110.00	\$ 8,110.00																							
Task 1. Existing Conditions Research	0	0	0	0	0	0	0	0	0	\$ -																									
Task 2. Compile Data and Develop Existing Conditions Basemap	0	0	0	0	0	0	0	0	0	\$ -																									
Phase 3 - Coordination With Equipment Vendor	0	4	0	0	4	0	0	0	1	\$ 1,975.00	\$ 3,220.00	\$ 5,195.00																							
Task 1. UV Equipment Spatial, Power, and Process Requirements of Scenarios	0	4	0	0	4	0	0	0	1	\$ 1,975.00																									
Phase 4 - Design Criteria Technical Memorandum	0	0	0	0	0	0	0	0	0	\$ -	\$ 2,220.00	\$ 2,220.00																							
Task 1. Design Criteria Technical Memorandum	0	0	0	0	0	0	0	0	0	\$ -																									
Phase 5 - Hydraulic Analysis	0	2	0	0	4	0	0	0	0	\$ 1,330.00	\$ 2,980.00	\$ 4,310.00																							
Task 1. Hydraulic Analysis of Existing Pumping Systems	0	2	0	0	4	0	0	0	0	\$ 1,330.00																									
Phase 6 - Concept Layouts	0	10	4	7	15	31	10	0	0	\$ 16,945.00	\$ 19,370.00	\$ 36,315.00																							
Task 1. Equipment Process/Mechanical Layouts	0	4	4	0	10	16	5	0	0	\$ 8,445.00																									
Task 2. Electrical Support System Layouts	0	3	0	7	0	8	5	0	0	\$ 5,230.00																									
Task 3. Site Yard Piping Layouts	0	3	0	0	5	7	0	0	0	\$ 3,270.00																									
Phase 7 - Construction Cost Estimate of UV Equipment Retrofit	0	14	10	10	26	0	14	0	0	\$ 16,800.00	\$ 17,860.00	\$ 34,660.00																							
Task 1. Cost Estimate – Utilizing UV Equipment in Existing Treatment Building	0	7	3	7	15	0	7	0	0	\$ 8,760.00																									
Task 2. Cost Estimate – UV Equipment in New Treatment Building	0	7	7	3	11	0	7	0	0	\$ 8,040.00																									
Phase 8 - Regulatory and Permitting	0	0	0	0	0	0	0	0	0	\$ -	\$ 2,850.00	\$ 2,850.00																							
Task 1 - La Puente Building and Safety Plan Check Requirements	0	0	0	0	0	0	0	0	0	\$ -																									
Task 2 - Division of Drinking Water (DDW) Permitting Requirements	0	0	0	0	0	0	0	0	0	\$ -																									
Phase 9 - Feasibility Study Development	2	30	0	9	54	3	16	12	5	\$ 27,995.00	\$ 33,995.00	\$ 61,990.00																							
Task 1 - Draft UV Treatment System Feasibility Study	2	20	0	7	40	2	14	10	3	\$ 20,865.00																									
Task 2 - Final UV Treatment System Feasibility Study	0	10	0	2	14	1	2	2	2	\$ 7,130.00																									
HOURS	5	68	14	31	105	34	40	12	6	315																									
BUDGET	\$ 1,450.00	\$ 18,700.00	\$ 3,710.00	\$ 7,750.00	\$ 20,475.00	\$ 7,140.00	\$ 7,800.00	\$ 2,160.00	\$ 570.00	\$ 69,755.00	\$ 98,255.00	\$ 168,010.00																							
PIC = Principal Engineer (PE) PrEE = Principal Electrical Engr. (PE) PE = Project Engineer (PE) SE = Staff Engineer (EIT) CAD = CAD Operator Admin = Admin. Asst./Clerical 2PS = Two Person Survey Crew											SrE = Senior Engineer (PE) PM = Project Manager SrD = Senior Designer D = Designer JrE = Jr. Engineer (Intern) CO = Construction Observer SLS = Staff Land Surveyor (PLS)											SrPM = Sr. Project Manager SrPE = Sr. Project Engineer (PE) SrSE = Sr. Staff Engineer (EIT) D/CAD = Designer/CAD Operator PT = Planning Technician SM = Survey Manager (PLS) ST = Survey Technician											Amendment 1 Total Cost	Original Contract Amount	Total Amended Contract Amount

Memo



To: Honorable Board of Directors
Date: September 14, 2026
From: Cesar A. Ortiz, Operations & Treatment Superintendent
Subject: Monthly Operations & Treatment Superintendent Report

The following report summarizes LPVCWD, IPU-CIWS, BPOU and PVOU IZ & SZ treatment operations, water quality, compliance, production, and consumption, and includes the status of various projects for each system.

Water Quality / Compliance

- **Distribution Systems Monitoring** – District Staff collected all required water quality samples for the month from both distribution systems, for **LPVCWD 21** samples were collected (which included Lead & Copper sampling) & for **CIWS 26** samples were collected. All results met State and Federal drinking water quality regulations.
- **Treatment Monitoring & Compliance** – All water quality compliance samples were collected from all the treatment processes and plant effluent, as required. Approximately, for **BPOU 191** samples were collected, for **PVOU-IZ no samples** were collected, and for **PVOU-SZ no samples** were collected.
- **Source Monitoring** – All water quality samples were collected from all the **LPVCWD Wells**, as required. Approximately **24** samples were collected. No PVOU IZ or SZ Wells.
- The table below summarizes **LPVCWD Wells'** current water quality for contaminants of concern.

Well Sampled	CTC	PCE	TCE	Perchlorate	1,4-Dioxane	NDMA	Nitrate
	MC L= 6 ppb	MCL= 5 ppb	MCL= 5 ppb	MCL=6 ppb	NL= 1 ppb	NL= 10 ppt	MCL=10 ppm
LPVCWD 2	0.77	0.83	15	14	ND	13	6.4
LPVCWD 3	NS	NS	NS	NS	NS	NS	9.4
LPVCWD 5	ND	ND	2.1	11	0.11	ND	8.9

ND – None Detected

NS – Not Sampled

NR – No Results available as of report date

- The Monthly Nitrate Concentrations for SP-6 and SP-15 are provided as **Attachment 1**.

Well Production and Levels

- Production by Wells and total acre feet for LPVCWD and CIWS are as shown in the table below.

BPOU LPVCWD Wells	Well 2	Well 3	Well 5	Total Acre Feet Produced
Acre Feet Produced	134.18	0.55	188.28	323.01 AF

CIWS Wells	CIWS Well 5 delivered to SGVWC at B-5	SGVWC delivered to CIWS at Lomitas
Acre Feet Produced	149.17AF	121.30 AF

Suburban Water System	169.43 AF	Total Acre Feet Delivered
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Operational Updates / Projects & Maintenance Activities

Baldwin Park Operable Unit - Treatment Plant

Plant Operations –

- o The treatment plant is in normal operation at 2500 gpm with Well No. 2 & Well No. 5 online and Well No. 3 being only run monthly for sampling purposes.

Project / Maintenance Items –

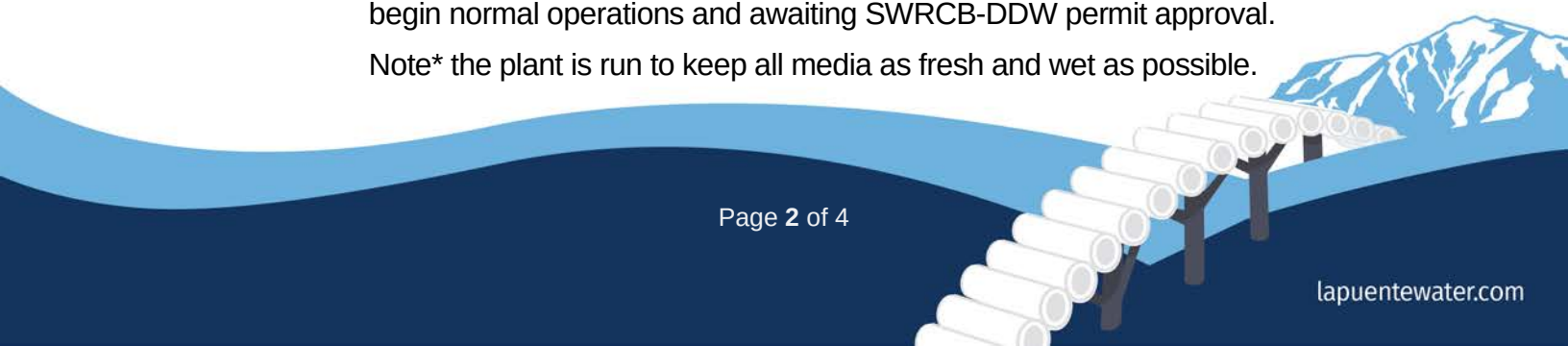
- o The replacement SPIX Pre-Filter Vessels have been delivered and installed.
- o There are some ongoing maintenance and repair projects on the Nitrate system, including level sensor repairs and replacements to the brine rinse tank and the salt holding tank, and adding a pump to the discharge line.
- o Staff have performed various weekly chemical calibrations, monthly analyzer cleanings and calibrations, SPIX pre-filter cleaning and bag change-outs, daily treatment plant rounds and monthly reporting.

Puente Valley Operable Unit – Intermediate Zone Treatment Plant

Plant Operations –

- o The IZ Plant is on standby (pending NG approval/direction with work plan) to begin normal operations and awaiting SWRCB-DDW permit approval.

Note* the plant is run to keep all media as fresh and wet as possible.



- o Staff has received proposals in response to our issued RFP for Liquid Phase Bituminous Coal-Based Granular Activated Carbon (LGAC), as requested by NG, and will be presented to the board in a staff report for approval.

Maintenance Items –

- o Analyzer replacements project is being implemented, the first phase was completed, Second phase is underway, with hardware and materials being delivered to the site and the contractor preparing for installations
- o There is one failed Raw Water Booster - Variable Frequency Drive (VFD) in the process of being scheduled for replacement pending the procurement of the parts and hardware by the electrical contractor, tentatively scheduled for October 2026.
- o Ongoing routine maintenance on current analyzers and other equipment, and plant housekeeping.

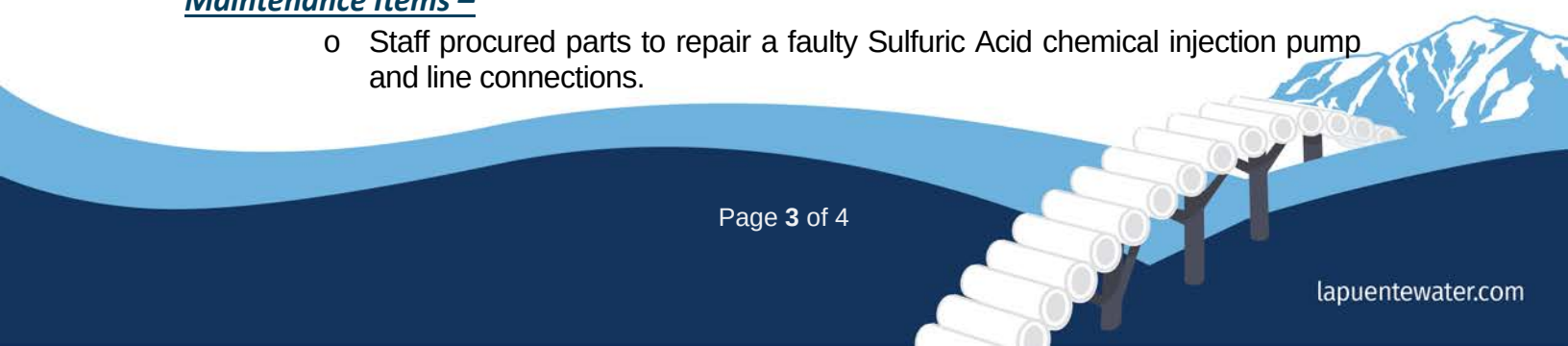
Puente Valley Operable Unit – Shallow Zone Treatment Plant

Plant Operations –

- o Under the direction of Northrup Grumman rep, LP staff is continuing to run the SZ plant when possible and operate as close to 85-125 gpm, with one well offline (note* repairs to the EW-N Well have begun on 7/7/2026).
- o On January 29th, 2026, a leak was found on one of the process lines, a stainless-steel repair clamp was placed over the leak as a temporary repair, After reviewing and revising a SOW issued by NG rep, Staff issued a work agreement, contractor procured materials and has begun this work on 9/8/2026.
- o Work on EW-N to replace damaged parts and materials due to flooding, has been completed and radio communications are being addressed by FIS.
- o LP staff has, under the direction of NG, acquired proposals and quotes for RO membrane replacements and RO membrane autopsies, the replacement membranes are on hand. New direction issued by NG, the membrane replacements are on hold until further notice from NG (pending repairs of piping leak).
- o Staff continue to work on procuring multiple specialty quotes and proposals for the SZ LGAC system, based on NG rep request for sole source quotes for two vessels from two different NG rep identified vendors and an RFP for a full three vessel change out of Bituminous Coal-Based Granular Activated Carbon.

Maintenance Items –

- o Staff procured parts to repair a faulty Sulfuric Acid chemical injection pump and line connections.



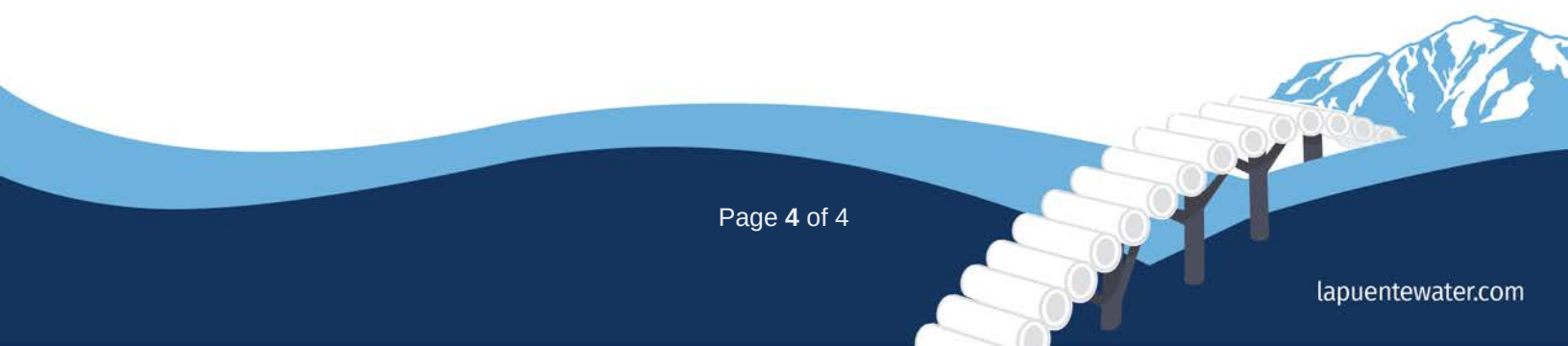
- o Staff conduct plant housekeeping and general plant maintenance, preventative maintenance, corrective maintenance, order chemicals, and housekeeping.

La Puente Valley County Water District – Production

- o Staff are working with Civiltec Engineers on the plans for the 1.8MG reservoir repairs and re-coating project.

Industry Public Utilities - City of Industry Waterworks System - Production

- o LP staff are currently working with the City of Industry's engineering firm CNC, to replace the building structure at the Proctor Yard location.
- o City of Industry's Well No. 2 is in the process of preparation for destruction (permanent removal from service), pending LA County scheduling efforts.
- o One pump, pump head, and motor at Pump Stations 3 on Industry Hills has been inspected and a quotation for repairs and rehabilitation and will be prepared for board approval.
- o The rehabilitation to two pumps, and motors, one each at Pump Stations 1 & 2 on Industry Hills have been quoted for pulling and inspection for needed repairs as part of rehabilitation efforts to the Industry Hills system.



Nitrate Concentrations

SP-6 (Treatment Plant Effluent) and SP-15 (Combined Nitrate System Effluent)

EPA Method 353.2

MCL = 10 mg/L

Nitrate Concentrations August 2026				
Date	SP-6	SP-15	Well(s)	Comments
7/6/2026	7.1	7.2	2 & 5	Weck Lab (353.2)
7/9/2026	7.5	7.4	2 & 5	Weck Lab (353.2)
7/13/2026	7.4	7.4	2 & 5	Weck Lab (353.2)
7/16/2026	7.4	7.1	2 & 5	Weck Lab (353.2)
7/20/2026	7.8	7.7	2 & 5	Weck Lab (353.2)
7/23/2026	7.7	7.7	2 & 5	Weck Lab (353.2)
7/30/2026	7.6	7.6	2 & 5	Weck Lab (353.2)
8/3/2026	7.6	7.6	2 & 5	Weck Lab (353.2)
8/6/2026	7.0	6.9	2 & 5	Weck Lab (353.2)
8/10/2026	8.2	8.2	2 & 5	Weck Lab (353.2)
8/13/2026	7.4	7.5	2 & 5	Weck Lab (353.2)
8/17/2026	7.7	7.8	2 & 5	Weck Lab (353.2)
8/20/2026	7.8	7.8	2 & 5	Weck Lab (353.2)
8/24/2026	7.6	7.6	2 & 5	Weck Lab (353.2)

AVERAGE	7.6	7.5
MINIMUM	7.0	6.9
MAXIMUM	8.2	8.2

Notes:

All units reported in milligrams per Liter (mg/L)

MCL = Maximum Contaminant Level

N/A = Not Available (Lab Results)



**112 N. First St.
La Puente, Ca 91744**

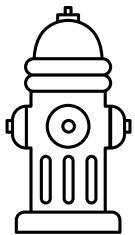
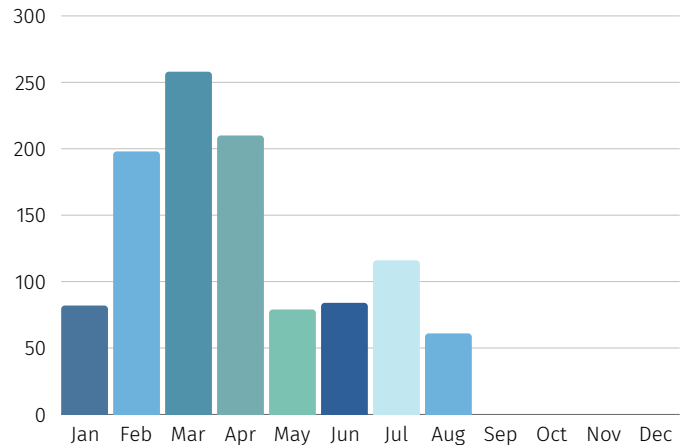
Attachment 1

DISTRIBUTION SUMMARY

MONTHLY METRICS

Repair/Replace Service Line	2
Repair/Replace Main Line	0
New Service Installations	0
Install New Air Release or Blow Off	0
USA Tickets Processed	59

Year to Date



HYDRANTS

Repairs/
Replaced

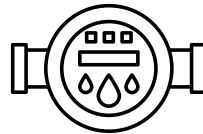
1

Dead Ends
Flushed

0

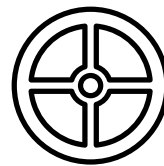
Fire Flow Test

2



34

METER
CHANGEOUTS



22

VALVES
EXERCISED



13

SAFETY
INSPECTIONS

Administrative Report

September 14, 2026



Board Communication

- Date of Last Trainings:

Training	Argudo	Barajas	Escalera	Hernandez	Rojas
Ethics	5/16/23	11/14/23	3/4/25	2/24/25	3/10/25
Harassment	10/20/22	08/04/26	12/1/22	4/16/25	5/7/24
SB 827 Training		06/17/26		06/17/26	06/17/26



Public Communication & Outreach

- Attended: National Night Out August 4th
- Attended: HLPUSD – Farmers Market Kickoff August 7th
- Gained 16 Instagram Followers



Website

- Continuous Updates

Social Media



Topic	Comments
Number of Instagram Posts	9
Number of Instagram Stories	5
Number of Instagram Followers	758
Post Related to Main Shutdowns	0
Number of LinkedIn Posts	4
Number of LinkedIn Followers	97
CET Program	1
CET Scholarship	0



General Manager's Report



Date: August 14, 2026

To: Honorable Board of Directors

From: Roy Frausto, General Manager

RE: General Manager's Report

GENERAL MANAGER REPORT TOPICS

- Bureau of Reclamation WaterSMART Water and Energy Efficiency Grants – Working with COI staff and the Bureau to start the AMI meter procurement.
- PVOU Permit Amendment – Public hearing date is being pushed to Q4 or Q1 of 2027 as a result of the ongoing investigations regarding TPH.
- PVOU TPH – Working with NG team on startup and pilot testing for TPH.
- RDA – Watermaster is working on proposed changes to the RDA to account for RTS charges, increase to imported water, Golden Mussell, etc.
- Cybersecurity – Implementing new upgrades to increase our cybersecurity posture.
- CIWS Rate Study – Released the RFP for a Water Rate Study on behalf of the CIWS.
- District Office – Met with Practice Architects and have received initial conceptual site layouts.
- BPOU Agreement – Staff and legal counsel are working through side agreements and issues through bi-weekly meetings with the CRs.
- UV System Replacement – CRs have approved change request. Next step is to finalize the feasibility study.
- Main St. 1.8 MG Reservoir – Received 90% design plans. Staff will provide final comments to Civiltec and revise plans to a 100% construction ready set.
- AQMD Update

STAFFING

- New Employee; Adam Sanchez, Customer Service & Field Ops Representative

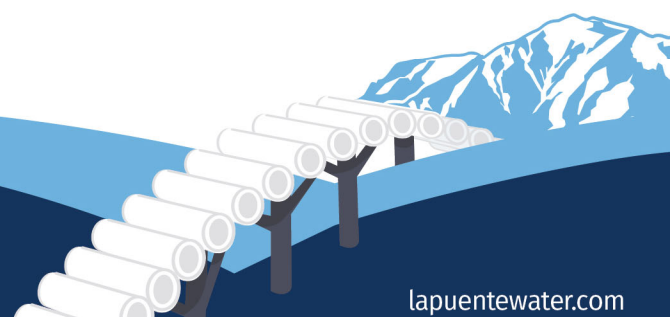
GENERAL MANAGER ACTIVITIES

August 2026

Meetings/Activity	Date
NG/LPVCWD Bi-Weekly Meeting	August 4, 18
PWAG Executive Committee Meeting	August 5
Practice Architect Meeting	August 5, 13, 19, 26
Watermaster Board Meeting	August 5
Call w/ EPA	August 5
Call w/ AQMD	August 7
La Puente Community Foundation Golf Tournament	August 10
BPOU Prep Call w/ Water Entities	August 10, 24
PWAG Board of Directors' Meetings	August 11
BPOU Budget Meeting LPVCWD	August 11
AQMD Asbestos Regulations Call w/ RWD	August 11
AQMD Rule 1403 Class	August 12
IPUC Meeting	August 13
SCWUA Board Meeting	August 17
Meeting w/Starting Line Advisory	August 18
Meeting w/Fortinet	August 19
IPU Water Ops Meeting	August 20
COI, LPVCWD, RWD and WVWD Meeting	August 20
Call w/AQMD	August 21
Interviews	August 24
PVOU Forecasting Meeting	August 26
SCWUA Meeting	August 27
PWAG Cybersecurity Meeting	August 31
CalPERS UAL Meeting	August 31

Enclosure

- August 2026: Water Resources Analytics



AUGUST 2026 – WATER RESOURCE ANALYTICS

Key Operational Data for Managing Our Water Resources



Meeting Date: September 14, 2026

August 2026

Water

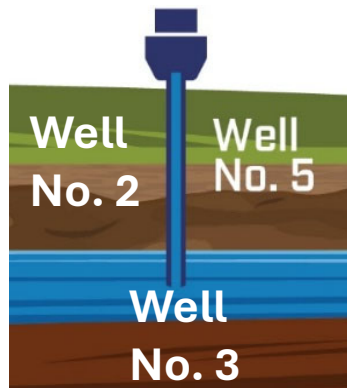
Production

325 Acre Feet

August 2026

Recycled Water Production

1.95 Acre Feet



Water

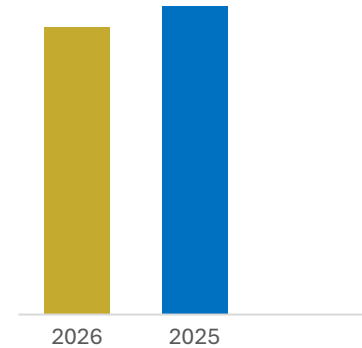
Conservation

August 2026:

153 Acre Feet

August 2025:

157 Acre Feet



Monthly Water Consumption

LPVCWD

System:

153 Acre Feet

SWS

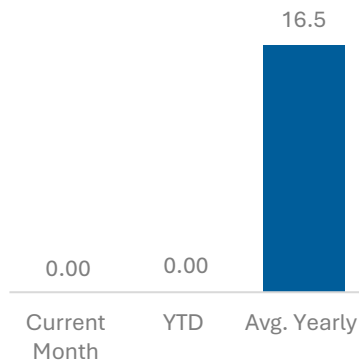
System:

169 Acre Feet



Rainfall

0 Inches Year to
Date
(Rain Year July
to August)



Snowpack Statewide

Snow Water Equivalent:
0.0 in

Snow Water Based off
Region:
Northern Sierra - 0%
Central Sierra - 0%
Southern Sierra - 0%

Groundwater Level at the Key Well

Current Level

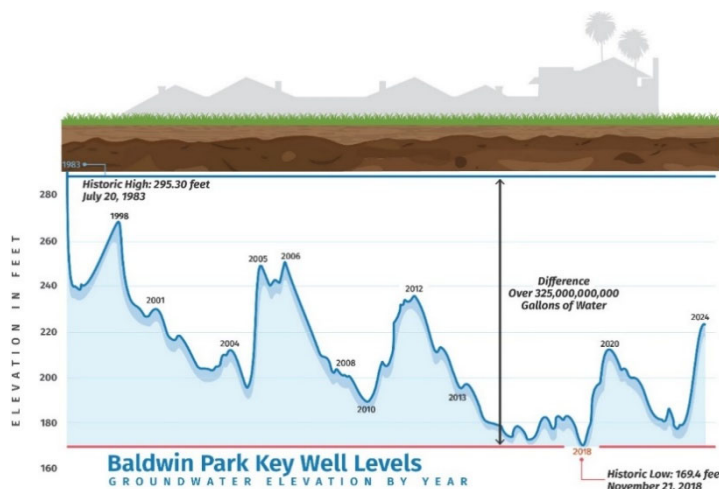
252.3 Feet

Historic High

295.3 ft. - July 1983

Historic Low

169.4 ft. - Nov 2018



CA Drought Monitor

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

