LAVWMA

Prepared by

Dublin San Ramon Services District

Water, wastewater, recycled water

QUARTERLY REPORT OF OPERATIONS

FY 2025-2026, 2nd Quarter

Quarterly Report of Operations
LAVWMA Pumping and Conveyance System

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Executive Summary

For the second quarter in fiscal year 2026 (Q2 FY 2026), the Livermore-Amador Valley Water Management Agency (LAVWMA) export conveyance system experienced no major outages or disruptions while pumping 1,345 million gallons (MG) of fully treated secondary effluent to the San Francisco Bay via the East Bay Dischargers Authority (EBDA) outfall diffuser and San Leandro Sample Station (SLSS; Table 6 or section Export Flow for more details).

This quarter the overall efficiency of the pumping system averaged 74.2% (Table 1; quarterly range FYs 2024 & 2025 [n=8]: 72.6% to 75.3%), with an average electrical cost of $453 per MG, or $148 per acre-foot (AF; Table 1 or section Electrical Usage, Efficiency, & Cost for more details). Preventative maintenance (PM) work orders outnumbered corrective maintenance (CM) work orders 16.64 to 1 (quarterly range FYs 2024 & 2025 [n=8]: 13.87 to 32.29; section Maintenance for more details).

For convenience, some year-to-date (YTD) values compared to budgeted are shown below (section Expenditures & Budget Utilization: Labor & O&M for more details).

- Overall costs: YTD $1,533,383; Budget $3,600,735
- Utilities costs: YTD $851,324; Budget $2,025,350
- Labor costs: YTD $618,101; Budget $1,249,300
- Labor hours: YTD 2,721.5; Budget 5,480
- WOs last quarter: 262.5 hours 254 PMs and 53.0 hours 11 CMs
- WOs this quarter: 184.75 hours 183 PMs and 68.5 hours 11 CMs
- Pump Efficiency: Oct-75.1% | Nov-73.6% | Dec-72.8%

Current Quarter Metrics

Monthly export flows were consistent with normal operations (Figure 1). Pump efficiency ranged from about 73% to 75%.

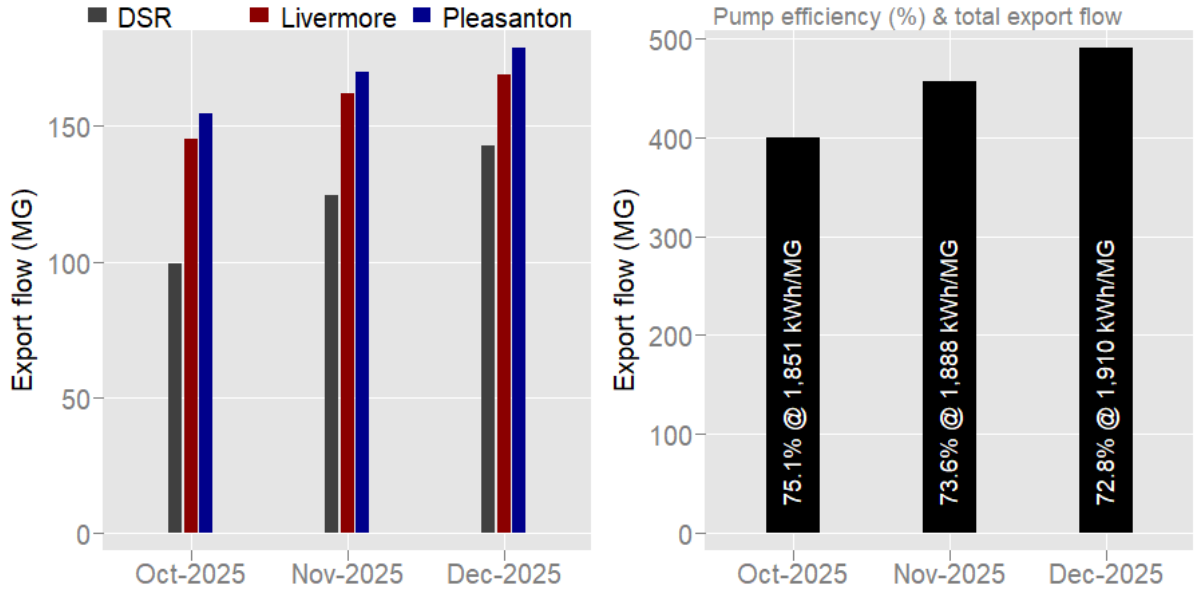

Figure 1 - LAVWMA Q2 FY 2026 export flows for Oct-2025, Nov-2025, & Dec-2025; monthly flows shown by source (left plot) and as total (right plot) with pump efficiency (%) at noted kilowatt hour (kWh) per million gallons (MG); NOTE: flow & pump efficiency data displayed by calendar month, not PG&E billing period

Most power usage (as kWh) for feeders A & B was during off-peak hours (Figure 2).

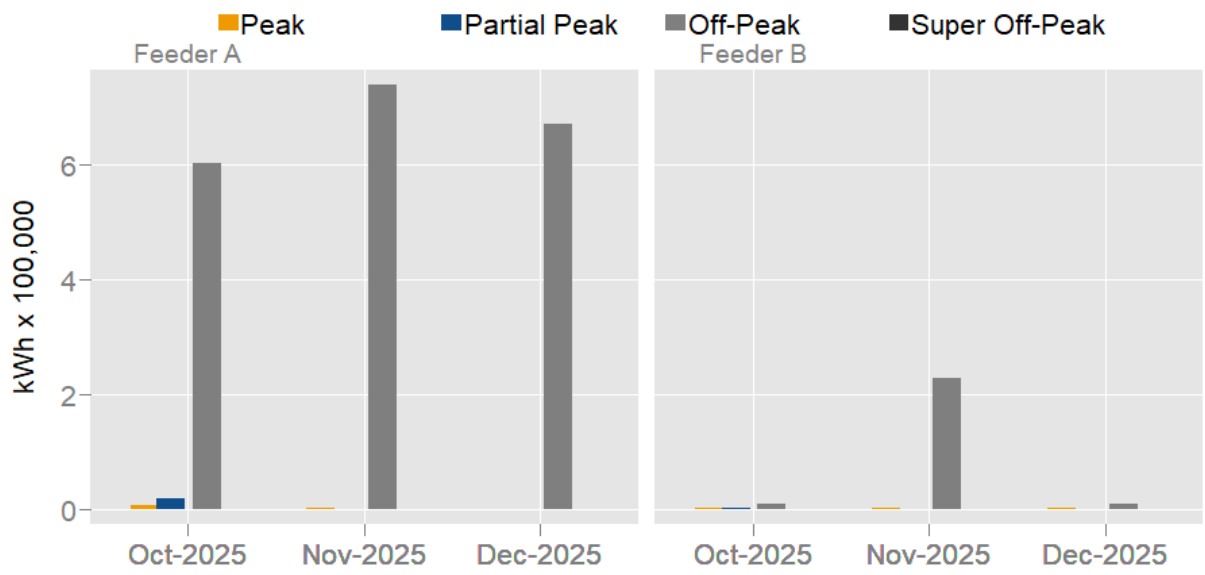

Figure 2 - LAVWMA Q2 FY 2026 electric usage as kilowatt hour (kWh) for PG&E billing cycles Oct-2025, Nov-2025, & Dec-2025; billing cycle usage displayed separately for feeder A (left) & feeder B (right) by time of use: peak, partial peak, off-peak; & super off-peak

Labor and utilities covered the largest fraction of overall cost in Q2 FY 2026 (Figure 3, 3 left-most plots). There were no expenses for non-routine work this quarter.

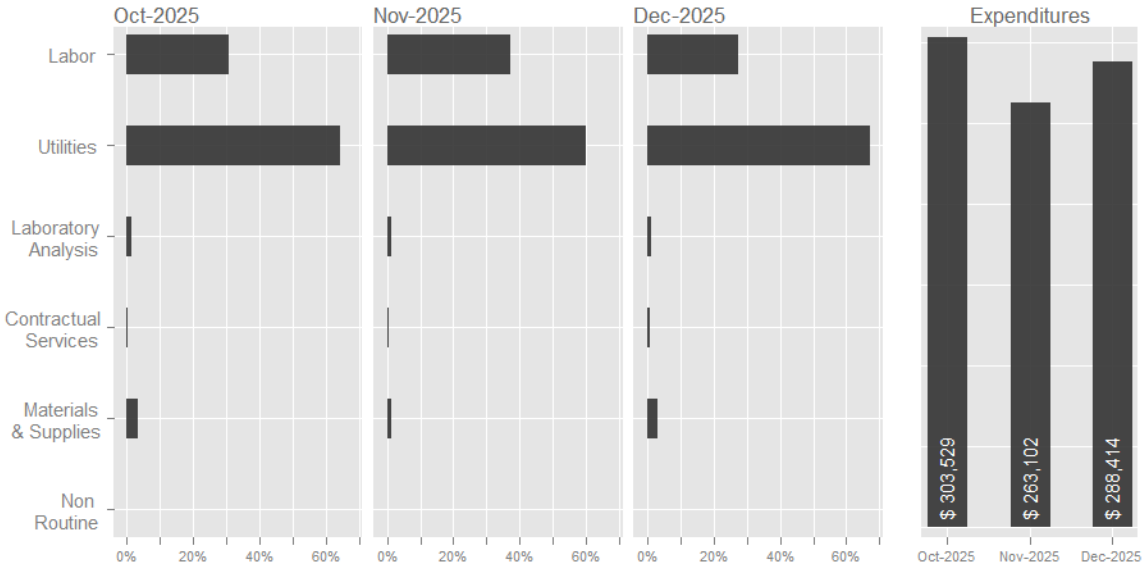

Figure 3 - LAVWMA Q2 FY 2026 expenditures for Oct-2025, Nov-2025, & Dec-2025 as percent of total cost by type (labor, utilizes, laboratory analysis, contractual services, materials & supplies, & non routine; left plot) and as monthly total (right plot)

There were no major equipment failures in Q2 FY 2026, the pipeline and pumping plant ran without issue. Preventative maintenance (PM) work orders exceeded corrective maintenance (CM) work orders each month during Q2 FY 2026 (Figure 4, right plot).

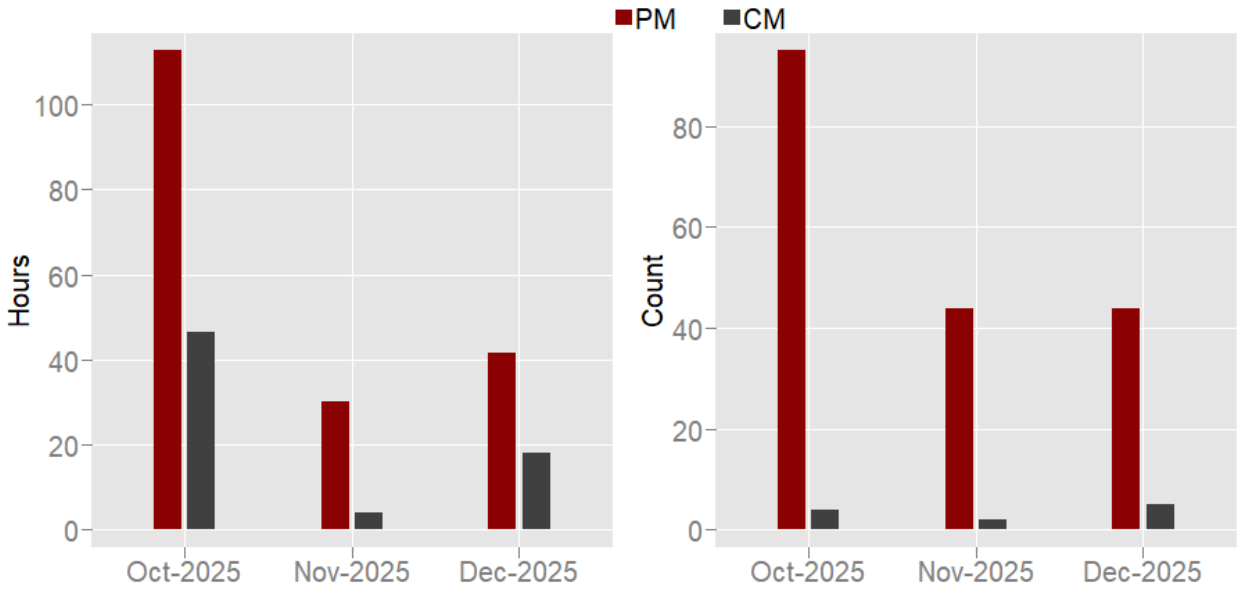

Figure 4 - LAVWMA Q2 FY 2026 preventative maintenance (PM) & corrective maintenance (CM) work order hours (left plot) and count (right plot) for Oct-2025, Nov-2025, & Dec-2025

Operations

Of the ~1,345 MG of effluent conveyed through the LAVWMA system during this quarter, 366 MG (27.2%) came from Dublin San Ramon (DSR), 476 MG (35.4%) from the City of Livermore, and 503 MG (37.4%) from the City of Pleasanton. Refer to section Export Flow for more details.

PG&E's current rate plan has four time-of-use (TOU) periods (in order of decreasing rates): peak (year-round), partial peak (June-September), off-peak (year-round), and super off-peak (March-May). Whenever possible, staff implement an efficient pumping plan to avoid pumping during higher rate periods (i.e., peak and partial peak).

Over the past quarter, DSRSD staff utilized the LAVWMA holding basin capacity to reduce the number of pumps in operation, thereby maximizing electrical savings. Flows into LAVWMA vary throughout the day and increase during rain events.

Maintenance

During the quarter, staff logged 184.75 hours completing 183 preventative maintenance (PM) work orders and 68.5 hours completing 11 corrective maintenance (CM) work orders on LAVWMA equipment and systems. Refer to Figure 4 for monthly breakdown (work order data updated 22-Jan-2026).

The refurbished export pump and motor No. 7 were commissioned in July 2025. During commissioning, staff identified noise and vibration issues with the pump and motor while coupled together. Individually, they passed their respective tests. It was determined that the coupling connecting the motor and pump needed to be replaced. The pump will remain out of service until the coupling parts are received and installed. Pump No. 4 is currently out of service for repair, and a new motor has been received. Mechanical maintenance is working on an installation date.

The following are some additional noteworthy maintenance activities during the quarter:

Electrical

- Installed new washdown pump motor
- Repaired Pump Station main gate
- Received new Pump Station motor #4

Instrumentation & Controls

- Troubleshooted SLSS local alarm panel and level transmitter for thiosulfate tank
- Supported CIP 23-L005 SLSS Design Improvements project
    - Completed interim testing of SLSS pressure regulating valve, flow transmitter, and bypass line duckbill
    - Supported SLSS wet weather test
- Replaced SLSS uninterruptible power supply (UPS[1])
    - Replaced Junction Structure sample pump

Mechanical

- Pump #4: coordinated schedule with crane company and IC&E for installation

[1] bump-less or continuous backup power should the main power fail

- Thiosulfate pumps: investigated priming issues and possible fix (update check valves to control air backflow)

Operations

- Conducted SLSS partial equipment commissioning and wet weather exercise (71,235 gallons of treated effluent discharged during testing)
- Tesco technician repaired the new chlorine analyzer
- Replaced SLSS Calcium Thiosulfate Tank Level Indicating Transmitter

Laboratory

- Normal business operations

Electrical Usage, Efficiency, & Cost

Monthly pump efficiency (O_e) was estimated as the fraction of a calculated kWh/MG given full efficiency (i.e., 100%) to the actual kWh/MG (see equations below).

$$O_e = \frac{\text{full efficiency kWh}}{\text{actual kWh}} \times 100$$

$$\text{Full Efficiency kWh} = \frac{\overline{GPM} \times TDH}{3960} \times 0.746 \times d \times 24h$$

where

- $\overline{GPM} = \frac{Export\ Flow\ (MG) \times 10^6}{d \times 1440\ min/d}$
- *TDH* (total dynamic head) = 442.8 ft (static lift = 408.8 ft, piping losses = 34 ft)
- 3960 = units conversion constant for water between 40° F and 220° F
- 0.746 = horsepower to kW conversion constant (0.746 hp / kW)
- *d* = number of days
- *h* = indicates hour (as 24 hours/day)

Table 1 - LAVWMA FY 2026 quarterly kWh usage, export flow, pump efficiency, & cost for PG&E-based billing cycle; current quarter & year-to-date (YTD) summaries provided below monthly values

	Billing Days	kWh	Flow (MG)	kWh/MG	Pump Efficiency	Cost ($)	$/kWh	$/MG	$/AF
Q1									
Jul-2025	33	345,610	175	1,972.36	70.5%	$118,807	$0.34	$678	$221
Aug-2025	29	321,405	165	1,948.91	71.3%	$110,252	$0.34	$669	$218
Sep-2025	30	384,737	198	1,945.93	71.4%	$72,144	$0.19	$365	$119
Q2									
Oct-2025	32	640,706	345	1,858.79	74.8%	$195,364	$0.30	$567	$185
Nov-2025	30	752,596	407	1,847.00	75.3%	$156,774	$0.21	$385	$125
Dec-2025	30	902,415	472	1,913.17	72.7%	$192,022	$0.21	$407	$133
Q2									
Average		765,239	408	1,873	74.2%	$181,387	$0.24	$453	$148
Total	92	2,295,717	1,224	5,619		$544,161			
Minimum		640,706	345	1,847	72.7%	$156,774	$0.21	$385	$125
Maximum		902,415	472	1,913	75.3%	$195,364	$0.30	$567	$185
YTD									
Average		557,912	294	1,914	72.7%	$140,894	$0.27	$512	$167
Total	184	3,347,469	1,762	11,486		$845,363			
Minimum		321,405	165	1,847	70.5%	$72,144	$0.19	$365	$119
Maximum		902,415	472	1,972	75.3%	$195,364	$0.34	$678	$221

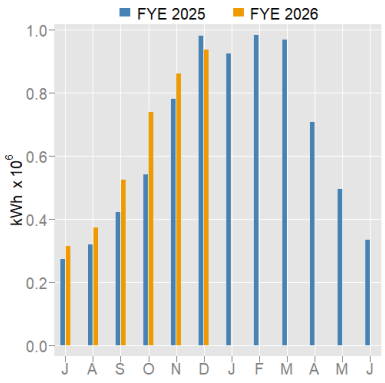

Figure 5 - LAVWMA monthly kWh usage FY 2025 & FY 2026 through Dec-2025; note: plotted kWh values by calendar month, not PG&E based billing cycle

Table 2 - LAVWMA FY 2026 quarterly kWh usage and cost for PG&E-based billing cycle separately for Service A & Service B

	Service A					Service B				
	Peak (kWh)	Partial Peak (kWh)	Off-Peak (kWh)	Super Off-Peak (kWh)	Cost ($)	Peak (kWh)	Partial Peak (kWh)	Off-Peak (kWh)	Super Off-Peak (kWh)	Cost ($)
Q1										
Jul-2025	0	0	0	0	$3,822	2,105	1,928	341,577	0	$114,985
Aug-2025	0	7,127	59,482	0	$30,986	1,962	10,724	242,110	0	$79,267
Sep-2025	0	1,290	108,787	0	$34,095	2,119	16,103	256,439	0	$38,049
Q2										
Oct-2025	7,508	17,344	603,852	0	$143,769	2,216	1,146	8,641	0	$51,595
Nov-2025	1,874	0	740,506	0	$151,466	2,068	0	8,148	0	$5,308
Dec-2025	0	0	672,276	0	$142,328	2,958	0	227,181	0	$49,694
Q2										
Average	3,127	5,781	672,211	0	$145,854	2,414	382	81,323	0	$35,532
Total	9,382	17,344	2,016,634	0	$437,563	7,242	1,146	243,970	0	$106,597
Minimum	0	0	603,852	0	$142,328	2,068	0	8,148	0	$5,308
Maximum	7,508	17,344	740,506	0	$151,466	2,958	1,146	227,181	0	$51,595
YTD										
Average	1,564	4,294	364,150	0	$84,411	2,238	4,983	180,683	0	$56,483
Total	9,382	25,761	2,184,902	0	$506,465	13,427	29,900	1,084,096	0	$338,898
Minimum	0	0	0	0	$3,822	1,962	0	8,148	0	$5,308
Maximum	7,508	17,344	740,506	0	$151,466	2,958	16,103	341,577	0	$114,985

Pump Run Time

Monthly pump utilization (U_m) was calculated as the fraction of total pump hours given the total hours possible if nine[2] pumps ran continuously (i.e., 24 hours per day; equation below, where *h* = total hours, *m* = given month, *d* = days in month). Pump utilization remained between ~30% and 36% in Q2 (Table 4).

$$U_m = \frac{h_m}{9 \times 24 \times d_m} \times 100$$

Table 3 - LAVWMA FY 2026 monthly pump hours by pump and total; quarterly and YTD summaries provided below monthly values

Hours	Pump 1	Pump 2	Pump 3	Pump 4	Pump 5	Pump 6	Pump 7	Pump 8	Pump 9	Pump 10	Total
Q1											
Jul-2025	71	334	0	0	0	0	1	0	291	0	697
Aug-2025	178	292	58	0	61	0	0	0	283	0	872
Sep-2025	257	117	215	0	354	3	0	84	106	220	1,356
Q2											
Oct-2025	478	0	417	0	416	0	0	479	0	192	1,982
Nov-2025	505	0	411	0	488	0	0	513	323	0	2,240
Dec-2025	452	81	453	0	475	56	0	166	394	313	2,391
	Pump 1	Pump 2	Pump 3	Pump 4	Pump 5	Pump 6	Pump 7	Pump 8	Pump 9	Pump 10	Total
Q1											
Average Hours	169	248	91	0	138	1	0	28	227	73	975
Std Dev Hours	92.9	115.0	111.2	0.0	189.5	1.7	0.4	48.5	104.6	127.2	341.3
Hours	506	743	273	0	415	3	1	84	680	220	2,925
Min Hours	71	117	0	0	0	0	0	0	106	0	697
Max Hours	257	334	215	0	354	3	1	84	291	220	1,356
Q2											
Average Hours	479	27	427	0	460	19	0	386	239	168	2,204
Std Dev Hours	26.6	46.7	22.9	0.0	38.2	32.6	0.0	191.5	210.0	157.7	206.6
Hours	1,436	81	1,281	0	1,379	56	0	1,158	717	505	6,612
Min Hours	452	0	411	0	416	0	0	166	0	0	1982
Max Hours	505	81	453	0	488	56	0	513	394	313	2,391
Total Average Hours	324	137	259	0	299	10	0	207	233	121	1,590
Total Std Dev Hours	180.4	144.1	197.4	0.0	214.3	22.8	0.3	232.5	148.5	138.3	719.0
Total Hours	1,942	823.8	1,554	0	1,794	59	1	1,242	1,396	725	9,537
Total Min Hours	71	0	0	0	0	0	0	0	0	0	697
Total Max Hours	505	333.9	453	0	488	56	1	513	394	313	2,391

Table 4 - LAVWMA FY 2026 monthly percent pump utilization; quarterly and YTD summaries provided below monthly values

	Pump Utilization
Q1	
Jul-2025	10.4%
Aug-2025	13.0%
Sep-2025	20.9%
Q2	
Oct-2025	29.6%
Nov-2025	34.6%
Dec-2025	35.7%
Q1	
Average Pump Utilization	14.8%
Min Pump Utilization	10.4%
Max Pump Utilization	20.9%
Q2	
Average Pump Utilization	33.3%
Min Pump Utilization	29.6%
Max Pump Utilization	35.7%
Total Average Pump Utilization	24.0%
Total Min Pump Utilization	10.4%
Total Max Pump Utilization	35.7%

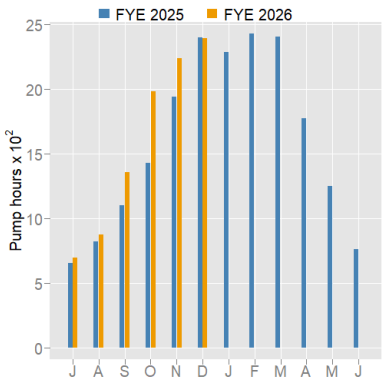

Figure 6- LAVWMA FY 2025 & FY 2026 monthly total pump hours through Dec-2025

[2] Ten pumps total, but one in reserve as a back-up to the other nine

Basin Levels

Table 5 - LAVWMA FY 2026 monthly average levels (in feet) by basin and overall (total); current quarter and YTD summaries provided below monthly values

Average	Basin 1	Basin 2	Basin 3	Total
Q1				
Jul-2025	2.54	0.73	3.66	2.31
Aug-2025	4.80	0.18	5.90	3.63
Sep-2025	4.77	1.02	5.38	3.72
Q2				
Oct-2025	3.60	2.37	4.07	3.35
Nov-2025	4.19	2.02	3.62	3.28
Dec-2025	3.66	0.26	3.24	2.38
Q2				
Average	3.81	1.55	3.64	3.00
Minimum	3.60	0.26	3.24	2.38
Maximum	4.19	2.37	4.07	3.35
YTD				
Average	3.92	1.10	4.31	3.11
Minimum	2.54	0.18	3.24	2.31
Maximum	4.80	2.37	5.90	3.72

Export Flow

Combined export flow includes Dublin San Ramon, the City of Livermore, and the City of Pleasanton. Monthly totals do not include flows diverted for recycling use by DERWA and Pleasanton. Budgeted FY 2026 flow is 4,520 MG at an estimated cost of $797/MG.

Table 6 - LAVWMA FY 2026 monthly export flows in million gallons (MG) for Dublin San Ramon, Livermore, & Pleasanton; current quarter and YTD summaries provided below monthly values; note totals (quarterly & YTD) provided in with monthly summary

	Dublin San Ramon (MG)	Livermore (MG)	Pleasanton (MG)	Combined Export (MG)
Q1	**0.00**	**371.96**	**259.49**	**631.45**
Jul-2025	0.00	102.33	57.51	159.84
Aug-2025	0.00	111.79	79.96	191.75
Sep-2025	0.00	157.84	122.03	279.87
Q2	**366.40**	**475.79**	**503.49**	**1,345.69**
Oct-2025	99.46	145.08	154.77	399.31
Nov-2025	124.33	161.90	169.90	456.13
Dec-2025	142.62	168.81	178.82	490.25
Total	366.40	847.75	762.99	1,977.14
Q2				
Average	122.13	158.60	167.83	448.56
Minimum	99.46	145.08	154.77	399.31
Maximum	142.62	168.81	178.82	490.25
YTD				
Average	61.07	141.29	127.16	329.52
Minimum	0.00	102.33	57.51	159.84
Maximum	142.62	168.81	178.82	490.25

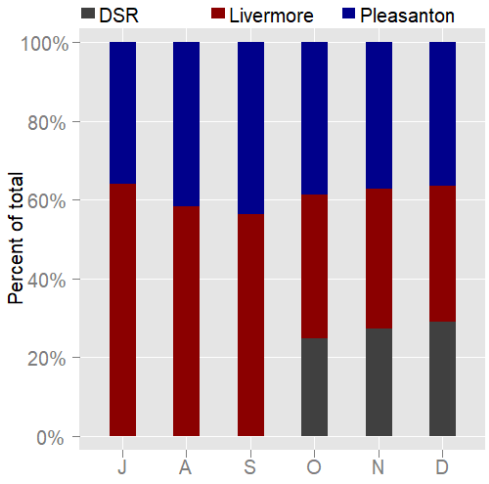

Figure 7- LAVWMA FY 2026 through Dec-2025 monthly export flows by region as a percent of total; DSR = Dublin San Ramon

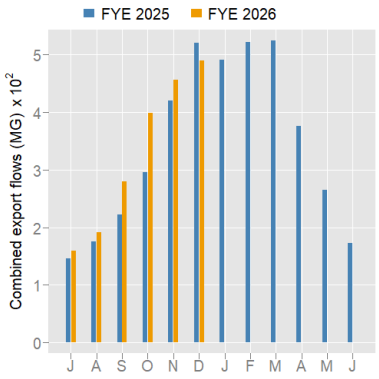

Figure 8 - LAVWMA FY 2025 & FY 2026 through Dec-2025 monthly combined export flows (MG)

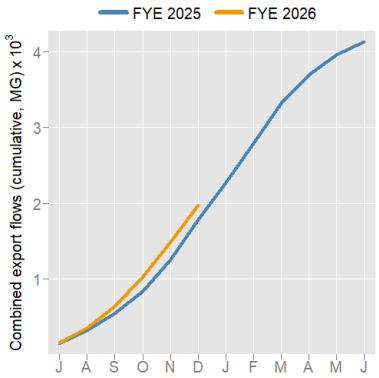

Figure 9 - LAVWMA FY 2025 & FY 2026 through Dec-2025 monthly cumulative combined export flows (MG)

Expenditures & Budget Utilization: Labor & O&M

Expenses this quarter included Foreseer maintenance, gate repair, and a 100 hp washdown pump. Overall O&M expenses decreased this quarter compared to Q4 FY 2025.

Table 7 - LAVWMA FY 2026 monthly expenditure for labor, accounts payable (A/P), and overall (O&M); cost per export flow (million gallons [MG] and acre-foot [AF]) provided for reference; quarterly and YTD summaries provided below monthly values; note totals (quarterly & YTD) provided in with monthly summary

	Labor Expenses	A/P Expenses	O&M Expenses	$/MG	$/AF
Q1	**$348,034**	**$330,304**	**$678,338**	**$1,074**	**$350**
Jul-2025	$105,587	$131,282	$236,868	$1,482	$483
Aug-2025	$137,544	$119,487	$257,030	$1,340	$437
Sep-2025	$104,903	$79,536	$184,439	$659	$215
Q2	**$270,067**	**$584,979**	**$855,046**	**$635**	**$207**
Oct-2025	$92,748	$210,781	$303,529	$760	$248
Nov-2025	$97,745	$165,357	$263,102	$577	$188
Dec-2025	$79,574	$208,841	$288,414	$588	$192
Total	$618,101	$915,283	$1,533,383	$776	$253
Q2					
Average	$90,022	$194,993	$285,015	$642	$209
Minimum	$79,574	$165,357	$263,102	$577	$188
Maximum	$97,745	$210,781	$303,529	$760	$248
YTD					
Average	$103,017	$152,547	$255,564	$901	$294
Minimum	$79,574	$79,536	$184,439	$577	$188
Maximum	$137,544	$210,781	$303,529	$1,482	$483

Table 8 - LAVWMA FY 2026 YTD expenditures (O&M & labor) with percent budget utilized and budget remaining

	O&M YTD Expenses	O&M Budget Utilization	O&M Budget Remaining	Labor YTD Expenses	Labor Budget Utilization	Labor Budget Remaining
Q1						
Jul-2025	$236,868	6.6%	$3,363,867	$105,587	8.5%	$1,143,713
Aug-2025	$493,899	13.7%	$3,106,836	$243,131	19.5%	$1,006,169
Sep-2025	$678,338	18.8%	$2,922,397	$348,034	27.9%	$901,266
Q2						
Oct-2025	$981,867	27.3%	$2,618,868	$440,782	35.3%	$808,518
Nov-2025	$1,244,969	34.6%	$2,355,766	$538,527	43.1%	$710,773
Dec-2025	$1,533,383	42.6%	$2,067,352	$618,101	49.5%	$631,199

Table 9 - LAVWMA FY 2026 billed labor hours and full-time employment equivalent; quarterly and YTD summaries provided below monthly values; note billed labor hour totals (quarterly & YTD) provided with monthly summary

	Billed Labor Hours	FTE Equivalent
Q1	**1,526.3**	
Jul-2025	465.5	2.7
Aug-2025	607.8	3.5
Sep-2025	453.0	2.6
Q2	**1,195.3**	
Oct-2025	409.5	2.4
Nov-2025	433.0	2.5
Dec-2025	352.8	2.0
Total	2,721.5	
Q2		
Average	398.4	2.3
Minimum	352.8	2.0
Maximum	433.0	2.5
YTD		
Average	453.6	2.6
Minimum	352.8	2.0
Maximum	607.8	3.5

Expenditures: Livermore Sole Use Facilities

Table 10 - LAVWMA FY 2026 expenditures (labor & accounts payable [A/P]) for Livermore sole use facilities; quarterly and YTD (Total) summaries provided below monthly values

Expenses	Labor	A/P	Total
Q1			
Jul-2025	$410	$1,556	$1,966
Aug-2025	$0	$670	$670
Sep-2025	$0	$756	$756
Q2			
Oct-2025	$0	$0	$0
Nov-2025	$0	$588	$588
Dec-2025	$0	$816	$816
	Labor	A/P	Total
Q1			
Total	$410	$2,982	$3,392
Average	$137	$994	$1,131
Minimum	$0	$670	$670
Maximum	$410	$1,556	$1,966
Q2			
Total	$0	$1,405	$1,405
Average	$0	$468	$468
Minimum	$0	$0	$0
Maximum	$0	$816	$816
Total Total	$410	$4,387	$4,797
Total Average	$68	$731	$799
Total Minimum	$0	$0	$0
Total Maximum	$410	$1,556	$1,966

Detailed YTD O&M Budget Comparison to Actual Expenses

	LAVWMA														
	BUDGET COMPARISON TO ACTUAL EXPENSES: GOODS & SERVICES													Current FY Period:	6
	ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M														
		Budget	July	August	September	October	November	December	January	February	March	April	May	June	YTD	YTD
		FY 2025-2026	2025	2025	2025	2025	2025	2025	2026	2026	2026	2026	2026	2026	TOTAL	Budget
Project Total:	**Labor**															
lavcost	Staff	$1,249,300	$105,587	$137,544	$104,903	$92,748	$97,745	$79,574							$618,101	$624,650
LAVWMA	**Subtotal**	**$1,249,300**	**$105,587**	**$137,544**	**$104,903**	**$92,748**	**$97,745**	**$79,574**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$618,101**	**$624,650**
	Materials & Supplies															
Phase Total:	Operations Supplies	$24,100	130	$466	$671	$156	$3,027	$258							$4,707	$12,050
supply	Mechanical Supplies	$35,250	$1,080	$1,859	$17		$303	$129							$3,389	$17,625
	Electrical Supplies	$40,000	$0	$0	$0	$10,429		$9,211							$19,640	$20,000
	Subtotal	**$99,350**	**$1,210**	**$2,325**	**$689**	**$10,585**	**$3,330**	**$9,598**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$27,737**	**$49,675**
Analysis	**Laboratory Analysis**															
Biochemical Oxy	Compliance Testing	$12,000	$1,465	$1,172	$1,172	$1,465	$1,172	$1,465								$6,000
Demand & Total	Operational Support Testing	$5,050	$321	$0	$0	$642	$0	$0								$2,525
Langelier Index	Special Sampling	$30,300	$2,541	$2,340	$2,925	$2,340	$1,938	$2,541								$15,150
	Subtotal	**$47,350**	**$4,327**	**$3,512**	**$4,097**	**$4,447**	**$3,110**	**$4,006**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$23,499**	**$23,675**
	Contractual Services															
	Sub-surface Repairs	$16,225													$0	$8,113
	Street Sweeping	$5,150													$0	$2,575
	Cathodic Protection Survey & Repairs	$48,700													$0	$24,350
	Underground Service Alert	$5,200	$626												$626	$2,600
	SCADA software maintenance contract	$15,000	$5,365					$158							$5,523	$7,500
Phase Total:	Remote monitoring annual service for PS and Re	$2,500						$646							$646	$1,250
cservi	HVAC Maintenance/Repairs	$1,200													$0	$600
	Termite/Pest Control	$1,100													$0	$550
	Landscape/weed maintenance	$11,550													$0	$5,775
	Smartmeter Covers	$1,860														$930
	Janitorial Service	$11,700		$1,950	$975		$975	$975							$4,875	$5,850
	Fire Extinguisher Maintenance	$200													$0	$100
	Misc Professional/Contractual Services	$34,000		$457		$280		$317							$1,053	$17,000
	Subtotal	**$154,385**	**$5,991**	**$2,407**	**$975**	**$280**	**$975**	**$2,095**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$12,723**	**$77,193**
	Utilities															
	Electricity (PG&E)	$2,019,250	$119,608	$110,922	$72,900	$195,364	$157,362	$192,838							$848,995	$1,009,625
Phase Total:	Water & Sewer (Pleasanton)	$2,500			$202		$202								$404	$1,250
utilit	Water (EBMUD)	$1,600			$483		$228								$711	$800
	Telephone/communications	$2,000	$146	$321	$190	$104	$151	$303							$1,215	$1,000
	WW Treatment (DSRSD)	$0													$0	$0
	Subtotal	**$2,025,350**	**$119,754**	**$111,243**	**$73,775**	**$195,469**	**$157,942**	**$193,141**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$851,324**	**$1,012,675**
	Non-Routine															
Phase Total:		$25,000													$0	$12,500
nonrou		$0													$0	$0
	Subtotal	**$25,000**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$12,500**
	Monthly Total		**$236,868**	**$257,030**	**$184,439**	**$303,529**	**$263,102**	**$288,414**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$1,533,383**	**$1,800,368**
	YTD Total	**$3,600,735**	**$236,868**	**$493,899**	**$678,338**	**$981,867**	**$1,244,969**	**$1,533,383**	**$1,533,383**	**$1,533,383**	**$1,533,383**	**$1,533,383**	**$1,533,383**	**$1,533,383**		
	Combined Export Flow, mg	**4520**	**160**	**192**	**280**	**399**	**456**	**490**							**1,977**	**2,260**
	Pumping Efficiency		**70.6%**	**71.5%**	**74.0%**	**75.1%**	**73.6%**	**72.8%**								
	Monthly Cost, $/mg		**$1,482**	**$1,340**	**$659**	**$760**	**$577**	**$588**	-	-	-	-	-	-		
	YTD Running Cost, $/mg	**$797**	**$1,482**	**$1,405**	**$1,074**	**$953**	**$837**	**$776**	-	-	-	-	-	-	**$776**	

LAVWMA

BUDGET COMPARISON TO ACTUAL EXPENSES: LABOR

Current FY Period: 6

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M

FY 2025-2026		Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Jan 2026	Feb 2026	Mar 2026	Apr 2026	May 2026	Jun 2026	YTD TOTAL	YTD Budget
Estimated Personnel Hours															
Division 51 - FOD	44	-	10.00	-	5.00	10.00	-	-	-	-	-	-	-	25.00	22.00
Water/Wastewater Sys Lead Op	0													-	-
Water/Wastewater Sys OP IV-On Call	0													-	-
Water/Wastewater Sys OP IV	0													-	-
Water/Wastewater Sys OP III	0													-	-
Water/Wastewater Sys OP I/II	36		10.00		5.00	10.00								25.00	18.00
Maintenance Worker	0													-	-
Supervisor	8													-	4.00
Division 52 - WWTP	2,605	218.50	367.75	272.00	185.00	225.00	175.00	-	-	-	-	-	-	1,443.25	1,202.50
Senior Process WWTP Operator	40	32.00	74.50	30.00	15.00	30.00	28.00							209.50	20.00
Senior WWTP Operator	1,950	61.00	80.75	51.00	49.50	49.00	35.50							326.75	975.00
WWTP Supervisor	200	10.00	17.00	39.00	18.00	20.00	9.00							113.00	
Operator In Training	0													-	-
WWTP Operator II	415	115.50	194.50	151.00	102.50	126.00	102.50							792.00	207.50
WWTP Operator II (SLSS)	0													-	-
Operations Superintendent	0		1.00	1.00										2.00	-
Operations Director	0														-
Division 53 - MECH	1,580	188.00	159.00	129.00	154.00	148.50	135.75	-	-	-	-	-	-	914.25	790.00
Senior Mechanic	500	68.00	51.00	52.00	49.00	22.50	30.25							272.75	250.00
Senior Mechanic - USA	0	17.00	10.00	23.00	9.00	16.00	16.00							91.00	-
Maintenance Worker II	40													-	20.00
Mechanic I	0	19.50	35.50	25.50	56.00	56.50	36.00							229.00	-
Mechanic II	1,000	17.00	33.00	8.00	21.00	27.50	16.00							122.50	500.00
Mechanic I- USA	0	57.50	21.50	5.50	19.00	15.00	18.50							137.00	-
Mechanic II- USA	0	9.00	8.00	15.00		11.00	19.00							62.00	-
Mechanical Supervisor	40													-	20.00
Mechanical Superintendent	0														-
Division 54 - ELEC	1,079	57.00	67.00	48.00	64.50	46.00	40.50	-	-	-	-	-	-	323.00	539.50
Senior Instrument/Controls Tech	90	9.00	14.50	7.00	12.50	12.00	6.00							61.00	45.00
Instrumentation & Controls Tech I/II	504	19.00	24.00	21.00	20.00	18.00	29.50							131.50	252.00
Ice Supervisor	45	0.50	7.00	4.00	0.50	4.00	1.00							17.00	22.50
Senior Electrician	90	9.00	10.00	6.00	18.00									43.00	45.00
Electrician I/II	305	15.00	10.00	9.00	10.00	10	2.00							56.00	152.50
Principal Electrical Engineer	45	4.50	1.50	1.00	3.50	2.00	2.00							14.50	22.50
Division 55 - Laboratory	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EC Inspector II-Pretreatment	0													-	-
Laboratory Technician	0													-	-
Supervisor	0													-	-
Division 26 - SAFETY	54	-	-	-	-	-	-	-	-	-	-	-	-	-	27.00
Safety Officer	54	-	-	-	-	-	-	-	-	-	-	-		-	27.00
Division 40 - ENG	118	2.00	4.00	4.00	1.00	3.50	1.50	-	-	-	-	-	-	16.00	54.00
Senior Civil Engineer-SME	10														-
Associate Engineer	60	2.00	4.00	4.00	1.00	3.50	1.50							16.00	30.00
Construction Inspector I/II	8													-	4.00
Engineering Technician II	20													-	10.00
GIS Analyst	20													-	10.00
Total Estimated Personnel Hours	5,480														
FTE	2.6														
Total Monthly Hours		465.50	607.75	453.00	409.50	433.00	352.75	-	-	-	-	-	-	2,721.50	2,635.00

EBDA Monthly Reports

Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Entero Qual	Enterococci	Total Kjeldahl Nitrogen	Total Inorganic Nitrogen	Total Inorganic Nitrogen	Flow	Flow	Total Residual Chlorine
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL		MPN/100mL	mg/L	mg/L	mg/L	MGD	MGD	mg/L
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	Instant Min	Instant Max	Daily Average (I	Daily Average (Mean)		SM 9221 C,E-2006		Enterolert	SM 4500-N	Calculation: NO2 + NO3		Daily Ave	Daily Averag	Field
MDL			2.0		1.2														
RL			2.0		4.5						2		10						
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS		SLSS	INF-002F	EFF-002F	EFF-002F	INF-002F	EFF-002F	SLSS
10/1/2025	3.79		4.6		7.9	7.32	7.42	1.84	0.017								11.30	4.90	
10/2/2025	0.65					6.75	7.44	1.56	0.017					60	34		11.87	5.86	
10/3/2025	15.98					7.15	7.37	0.13	0.006								11.97	8.87	
10/4/2025	15.99					7.24	7.38	0.63	0.019								11.49	9.33	
10/5/2025	15.83					7.24	7.42	2.61	0.019								11.90	6.36	
10/6/2025	15.88					7.13	7.42	1.24	0.019								11.74	10.05	
10/7/2025	13.21					7.08	7.28	1.58	0.051		13	<	10				11.39	6.88	0.10
10/8/2025	10.04		3.5		7.5	7.19	7.46	1.03	0.054								11.29	5.91	
10/9/2025	10.30					7.19	7.37	2.08	0.019								11.03	8.74	
10/10/2025	12.14					7.18	7.33	3.14	0.032								11.14	4.92	
10/11/2025	12.06					7.22	7.36	1.88	0.037								11.04	12.13	
10/12/2025	14.19					7.20	7.34	1.30	0.011								11.32	9.64	
10/13/2025	13.18					7.25	7.34	1.12	0.006								13.18	8.53	
10/14/2025	14.16					7.10	7.34	1.64	0.000	<	2	<	10				12.74	11.53	0.06
10/15/2025	14.67		3.1		3.9	7.15	7.25	2.18	0.055								12.18	8.57	
10/16/2025	14.67					7.20	7.35	1.77	0.061								11.49	10.95	
10/17/2025	14.62					7.18	7.38	1.70	0.065								11.56	10.56	
10/18/2025	14.60					7.20	7.36	1.70	0.061								11.77	10.08	
10/19/2025	14.16					7.17	7.33	1.58	0.045								11.79	10.08	
10/20/2025	14.66					7.15	7.33	1.44	0.032								11.71	7.95	
10/21/2025	14.69					7.18	7.39	1.25	0.004		2	<	10				11.15	12.13	0.08
10/22/2025	14.05		4.9		5.7	7.23	7.46	0.80	0.021								11.19	5.39	
10/23/2025	11.78					7.23	7.43	0.56	0.016								11.55	10.90	
10/24/2025	12.60					7.29	7.42	3.62	0.023								11.51	4.93	
10/25/2025	12.14					7.28	7.42	3.41	0.017								11.42	11.42	
10/26/2025	13.43					7.34	7.43	4.56	0.016								11.75	9.18	
10/27/2025	14.05					7.25	7.65	4.50	0.028								11.39	9.81	
10/28/2025	14.14					7.27	7.42	3.56	0.023		5	<	10				11.53	7.45	0.04
10/29/2025	13.83		3.2		4.2	7.24	7.43	2.33	0.006								11.16	10.63	
10/30/2025	13.29					7.28	7.42	2.25	0.002								11.56	6.04	
10/31/2025	10.54					7.30	7.53	1.89	0.000								10.90	9.57	

Note:
Column G - pH Minimum; online
Column H - pH Maximum; online

Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Entero Qual	Enterococci	Total Kjeldahl Nitrogen	Total Inorganic Nitrogen	Total Inorganic Nitrogen	Flow	Flow	Total Residual Chlorine
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL		MPN/100mL	mg/L	mg/L	mg/L	MGD	MGD	mg/L
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	Instant Min	Instant Max	Daily Average (I	Daily Average (Mean)		SM 9221 C,E-2006		Enterolert	SM 4500-N	Calculation: NO2 + NO3 +		Daily Averag	Daily Averag	Field
MDL			2.0		1.2														
RL			2.0		4.5						2		10						
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS		SLSS	INF-002F	EFF-002F	EFF-002F	INF-002F	EFF-002F	SLSS
11/1/2025	14.15					7.25	7.43	2.11	0.000								11.09	8.71	
11/2/2025	12.33					7.27	7.43	1.88	0.000								11.58	6.17	
11/3/2025	11.59					7.27	7.41	1.70	0.000								11.07	9.91	
11/4/2025	13.05					7.25	7.37	2.19	0.000	<	2		10				10.90	8.77	0.05
11/5/2025	14.09		3.2	DNQ	2.8	7.20	7.41	2.10	0.001								11.40	6.56	
11/6/2025	14.09					7.20	7.36	1.95	0.000								11.18	10.57	
11/7/2025	14.12					7.25	7.37	1.85	0.000					53	35		11.27	7.95	
11/8/2025	14.07					7.19	7.39	1.30	0.000								11.19	10.51	
11/9/2025	13.88					7.15	7.36	0.97	0.000								11.38	6.80	
11/10/2025	12.78					7.18	7.32	0.64	0.000								11.02	10.26	
11/11/2025	14.06					7.14	7.32	1.91	0.000		2						10.98	10.41	0.04
11/12/2025	14.35		4.2	DNQ	3.9	7.10	7.23	2.21	0.000								11.11	6.83	
11/13/2025	13.83					7.15	7.28	2.79	0.000								13.01	11.94	
11/14/2025	15.08					7.09	7.20	2.55	0.000								11.71	11.09	
11/15/2025	15.13					7.15	7.25	1.39	0.000								11.70	13.46	
11/16/2025	15.08					7.19	7.28	1.21	0.000								12.70	12.08	
11/17/2025	16.57					7.21	7.57	1.12	0.000								15.05	12.92	
11/18/2025	18.42					7.14	7.35	1.29	0.000		2						12.78	13.20	0.07
11/19/2025	18.44		3.2	DNQ	3.2	7.24	7.36	1.90	0.000								11.88	11.91	
11/20/2025	17.94					7.22	7.36	2.23	0.000								12.44	13.51	
11/21/2025	17.89					7.17	7.48	2.52	0.000								12.16	11.86	
11/22/2025	17.88					7.19	7.36	1.97	0.000								11.79	12.39	
11/23/2025	16.28					7.24	7.38	2.35	0.000								11.55	12.63	
11/24/2025	17.29					7.20	7.52	2.00	0.000								11.41	11.11	
11/25/2025	15.44					7.21	7.39	2.58	0.000		2	<	10				11.19	10.54	0.07
11/26/2025	15.41		3.7	DNQ	4.3	7.25	7.41	2.88	0.000								11.30	10.44	
11/27/2025	15.91					7.22	7.39	2.64	0.000								11.10	11.39	
11/28/2025	15.85					7.21	7.36	2.65	0.000								10.77	10.71	
11/29/2025	16.11					7.26	7.41	2.57	0.000								11.07	10.78	
11/30/2025	15.00					7.24	7.41	2.43	0.000								11.59	10.61	

Note:
Column G - pH Minimum; online
Column H - pH Maximum; online

Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Entero Qual	Enterococci	Total Kjeldahl Nitrogen	Total Inorganic Nitrogen	Total Inorganic Nitrogen	Flow	Flow	Total Residual Chlorine
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL		MPN/100mL	mg/L	mg/L	mg/L	MGD	MGD	mg/L
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	Instant Min	Instant Max	Daily Average (I	Daily Average (Mean)		SM 9221 C,E-2006		Enterolert	SM 4500-N	Calculation: NO2 + NO3		Daily Ave	Daily Averag	Field
MDL			2.0		1.2														
RL			2.0		4.5						2		10						
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS		SLSS	INF-002F	EFF-002F	EFF-002F	INF-002F	EFF-002F	SLSS
12/1/2025	15.85					7.24	7.37	2.50	0.000								11.44	9.47	
12/2/2025	14.89					7.15	7.38	2.44	0.000	<	2	<	10				10.93	10.27	0.03
12/3/2025	15.78		3.7		4.8	7.14	7.33	2.39	0.000								11.20	12.10	
12/4/2025	15.89					7.22	7.35	1.96	0.000					57	33		10.89	10.31	
12/5/2025	14.37					7.26	7.45	2.00	0.000								10.97	7.59	
12/6/2025	13.51					7.21	7.40	2.30	0.000								11.03	9.69	
12/7/2025	14.43					7.19	7.38	2.18	0.000								11.44	10.39	
12/8/2025	16.24					7.14	7.33	1.80	0.001								10.92	10.46	
12/9/2025	13.94					7.21	7.63	1.74	0.006	<	2	<	10				10.94	8.38	0.05
12/10/2025	14.38		5.6		7.6	7.19	7.37	2.34	0.014								10.86	9.80	
12/11/2025	14.49					7.20	7.38	2.23	0.028								10.77	11.30	
12/12/2025	16.17					7.21	7.39	2.63	0.041								10.82	9.99	
12/13/2025	13.56					7.22	7.41	4.43	0.040								11.34	9.46	
12/14/2025	14.69					7.19	7.38	4.30	0.036								11.40	11.43	
12/15/2025	17.68					7.17	7.62	4.07	0.033								11.18	10.88	
12/16/2025	14.45					7.19	7.34	3.86	0.032				10				11.06	8.84	0.07
12/17/2025	14.89		5.2		8.9	7.10	7.30	3.48	0.023								11.05	11.37	
12/18/2025	15.87					7.10	7.24	3.58	0.024								10.99	10.72	
12/19/2025	15.60					7.10	7.27	2.97	0.022								10.99	10.25	
12/20/2025	15.67					7.09	7.22	2.37	0.021								11.22	11.13	
12/21/2025	15.94					7.05	7.18	2.03	0.016								11.28	10.92	
12/22/2025	16.27					6.96	7.18	1.70	0.034								11.41	11.22	
12/23/2025	16.69					7.06	7.15	1.74	0.037	<	2	<	10				11.26	11.15	0.10
12/24/2025	17.88		3.9		6.6	7.03	7.19	2.08	0.033								12.92	12.99	
12/25/2025	18.53					7.00	7.17	1.90	0.013								14.64	13.63	
12/26/2025	18.70					7.00	7.17	1.94	0.005								14.43	13.77	
12/27/2025	18.88					7.06	7.17	2.28	0.013								12.49	13.22	
12/28/2025	15.70					7.14	7.24	2.49	0.007								12.19	9.55	
12/29/2025	16.68					7.14	7.36	2.47	0.007								12.06	11.81	
12/30/2025	16.26					7.16	7.29	2.37	0.000		2	<	10				11.62	11.37	0.08
12/31/2025	16.37				7.9	7.17	7.27	2.26	0.000								12.57	12.29	

Note:
Column G - pH Minimum; online
Column H - pH Maximum; online

Langelier Saturation Index Report (Livermore, DSRSD, LAVWMA)

The Langelier Saturation index is used to predict corrosion potential on the export pipeline. Keeping a Langelier index between -0.5 – 0.5 is a good target.

Langelier pH Saturation Index (Oct-25 through Dec-25)

Agency	Collection Date	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L $CaCO_3$)	Alkalinity (mg/L $CaCO_3$)	pH Actual	pH Saturation	Langelier Index
Livermore	11/05/25	688	22.0	96	345	7.6	7.4	0.2
DSRSD	10/07/25	836	25.1	128	352	7.49	7.2	0.3
LAVWMA	10/07/25	816	24.4	104	332	7.73	7.3	0.4