

Third Quarter 2025 Monitoring Report

LRI Landfill

Graham, Washington

Pierce County Recycling, Composting
& Disposal, LLC dba LRI
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Puyallup, Washington 98375



SCS ENGINEERS

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This document presents the Third Quarter 2025 Monitoring Report for the LRI Landfill located in Graham, Washington. Activities this quarter included monitoring the volume and specific conductance of water pumped from the leak detection/collection system, quarterly groundwater monitoring, monthly landfill gas monitoring, and weekly surface water monitoring. This document was prepared by Jovany Estrada and Travis Berndahl of SCS Engineers and reviewed by Greg Helland of SCS Engineers for submittal to Mr. Keith Johnston of the Tacoma-Pierce County Health Department (TPCHD).



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Attachments: Attachment A: Groundwater Flow Map
Attachment B: Groundwater Data Summary Tables
Attachment C: Field Sampling Documentation
Attachment D: Statistical Calculations
Attachment E: Trilinear Diagrams
Attachment F: Analytical Data Validation Report
Attachment G: Groundwater and LDCS Time Trend Plots
Attachment H: LDCS & Leachate Pumping Records and Conductivity Measurements
Attachment I: Surface Water Data
Attachment J: Landfill Gas Data

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GROUNDWATER MONITORING

Third quarter 2025 groundwater samples were collected from the LRI Landfill monitoring network on September 23-24, 2025. Nine monitoring wells (MW-1A, MW-2A, MW-3, MW-4, MW-5A, MW-6, MW-7, MW-9, and MW-10) and eleven leak detection collection locations (LDCS-1, LDCS-2A, LDCS-2B, LDCS-3A, LDCS-4A, LDCS-4B, LDCS-5, LDCS-6, LDCS-7, LDCS-8, and LDCS-9) were sampled this quarter. Water level elevations were measured at each of the monitoring wells during this quarter. Field quality control samples consisted of one field blank and one duplicate sample collected at MW-7. Sampling procedures followed the LRI Landfill Groundwater Monitoring Plan (GWMP), dated March 10, 2014.

Groundwater samples were collected using low-flow purging and sampling techniques with dedicated pumps at all sampled monitoring wells except MW-4, where a non-dedicated QED Sample Pro pump was deployed. Samples for laboratory analyses were submitted to Eurofins Scientific of Denver, Colorado for the parameters listed in Appendix I and II of WAC 173-351-990. Groundwater sampling locations are illustrated in Figure 1.

A groundwater surface elevation map for the third quarter monitoring event is included as Figure 1. The average groundwater gradients and flow directions calculated for the quarter remain similar to those previously reported at the facility, with a flow rate of approximately 45 feet per year towards the northwest for horizontal groundwater movement within the uppermost aquifer (assuming a horizontal hydraulic conductivity of 1×10^{-3} centimeters per second and an effective porosity of 30 percent).

Field measurements and analytical results for groundwater, the leak detection/collection system (LDCS), leachate, and quality control samples are summarized on the following tables presented in Attachment B: Groundwater Level Elevations, Field Parameters, Inorganic Parameters, Appendix I Metals, Appendix II Metals, Volatile Organic Compounds, Cation-Anion Balance, and Duplicate Sample Results.

Copies of the Field Sampling Data Sheets are included in Attachment C. Statistical calculations are provided in Attachment D. Trilinear (Piper) plots of groundwater and LDCS sample results are included in Attachment E. Data validation results are summarized in Attachment F.

Groundwater results were reviewed and validated (see attached Data Validation Report). Field measurements and analytical data were uploaded into the Washington State Department of Ecology (Ecology) Environmental Information Management (EIM) System. Laboratory reports were provided to the Tacoma-Pierce County Health Department (TPCHD) and the Washington Department of Ecology (Ecology) under separate cover.

A nonparametric inter-well prediction limit approach was used to evaluate the water quality results for the Appendix I parameters listed in WAC 173-351-990 (15 total metals and nitrate). Prediction limits were generated using background data for nitrate and eight rounds of quarterly sampling completed during 2014 and 2015 for fifteen (15) total metals. Using this procedure, the highest concentration of each parameter in the data set was selected as the prediction limit for that parameter. In addition, the prediction limit data set includes ongoing water quality results from background (upgradient) wells MW-9 and MW-10. Appendix I total metal and nitrate concentrations measured at the downgradient monitoring wells were less than or equal to prediction limit values at all of the monitoring wells this quarter.

Groundwater time-trend plots for inorganic parameters and metals are included in Attachment G. The following plots are provided for each monitoring well:

- Plot 1 — alkalinity, ammonia, nitrate, chloride, total dissolved solids (TDS), total organic carbon (TOC) and sulfate.
- Plot 2 — arsenic, calcium, iron, magnesium, manganese, sodium, potassium and zinc.

Time trend plots show that concentrations of metals and inorganic parameters remained generally consistent with previously observed values during the third quarter unless otherwise noted. The highest concentrations of chloride and the only detection of nitrate in the uppermost aquifer continue to be observed in background well MW-10.

Reported detections of inorganic parameters and metals measured at downgradient monitoring wells during the third quarter were less than or equal to the groundwater quality criteria listed in WAC 173-200-040, with the exceptions shown in Exhibit 1.

Exhibit 1. Groundwater Results Greater Than WAC 173-200-040 Criteria

Parameter	Groundwater Quality Criteria	MW-1A	MW-2A	MW-3	MW-4	MW-5A	MW-6	MW-7
Arsenic, Total	0.00005	**	**	**	0.011	**	0.0079	0.0065
Iron, Dissolved	0.30	*	*	*	*	*	*	*
Manganese, Dissolved	0.05	0.28	0.29	0.26	0.14	0.15	*	0.22
Notes: Concentrations listed as mg/L = milligrams per liter. Dissolved Iron and Manganese concentrations are compared to WAC 173-200-040 GW Quality Criteria for informational purposes only as the Sampling Analysis Plan only requires dissolved analyses for these metals. ** = Not detected above the method reporting limit (MRL), but MRL exceeded WAC 173-200-040 GW Quality Criteria. * = Reported value was less than WAC 173-200-040 Groundwater Quality Criteria.								

The results summarized in Exhibit 1 are typical of previous results (see time-trend plots in Attachment G), are interpreted to be within natural background variation, and in the case of total arsenic, are less than or equal to the background level used to establish the prediction limit (prediction limits are not applicable for dissolved iron or manganese). The method reporting limit (MRL) for arsenic is 0.005 milligrams per liter (mg/L), which is greater than the WAC 173-200-040 criteria of 0.00005 mg/L. Therefore, arsenic results reported as non-detect are considered to be greater than the WAC 173-200-040 criterion. SCS is coordinating with the laboratory to reduce the MRL for arsenic and this will be reflected by a lower reporting limit in the Q4 monitoring event.

Low-level detections of ammonia (ranging between 0.1 and 0.36 mg/L) were reported at downgradient wells MW-2A, MW-3, MW-5A, MW-6, and MW-7. These ammonia detections appear to be consistent with historical well data.

The cation-anion balance evaluates the difference in the sum of cations and anions (in milliequivalents per liter [meq/L]) within a water sample to determine if it is electroneutral (balanced cation and anion charges). Consistent with WAC 173-350-430(5), a threshold of ten percent difference is used if the total cation-anion sum is less than 5.0 meq/L, and a threshold of five percent difference is used if the total cation-anion sum is greater than or equal to 5.0 meq/L. During

the third quarter, the cation-anion balance threshold was not exceeded at any monitoring well location (see Table 7 in Attachment B).

Graphical plots of the current monitoring well water quality results are presented on trilinear (piper) diagrams in Attachment E. These plots show the water quality differences between groundwater from the monitoring wells, shallow groundwater from the LDCS, and leachate (collected quarterly for cells 6, 7, 8 and 9).

No VOCs were reported in samples collected from the monitoring wells during the third quarter of 2025.

LEAK DETECTION/COLLECTION SYSTEM (LDCS) MONITORING

A leak detection/collection system (LDCS) is present directly beneath the composite liner of each landfill cell to provide for early leak detection and to collect leachate in the event a leachate leak develops in the composite liner or leachate force main. The system consists of a high permeability gravel blanket that is underlain and overlain by geosynthetic fabrics. The system also dewateres groundwater that is present within the glacial till. Leachate leaks are indicated by the presence acetone and 2-butanone (primary leachate indicator parameters) and increases in concentrations of ammonia and chloride (secondary leachate indicator parameters), as well as increases in specific conductance (conductivity), total dissolved solids, alkalinity, sodium, potassium, and total organic carbon.

LDCS Maintenance. No significant maintenance was performed during the third quarter of 2025.

LDCS Daily Monitoring. Daily monitoring of the LDCS sumps for volume of water pumped, liquid level, and specific conductance (conductivity) was performed by using a programmable logic controller (PLC) and through direct measurements by LRI site personnel. Rainfall data were obtained through available weather station data at Thun Field. The combined field and PLC data, as well as time series plots of the data, are included in Attachment H.

Conductivity data from the fully functioning LDCS sumps trended within typical historical ranges during the third quarter of 2025. Conductivity probes for LDCS sumps 6, 8 and 9 malfunctioned, therefore, no data was collected during this quarter. LRI is actively looking into conductivity meters to replace the malfunctioning devices that will operate more consistently.

LDCS Quarterly Monitoring. Samples were collected using disposable bailers at LDCS-1, LDCS-2A, and LDCS-2B, and with dedicated QED Sleeper Pumps at LDCS-4B, LDCS-5, LDCS-6, and LDCS-7. The samples obtained from LDCS-8 and LDCS-9 were collected as a grab samples from a dewatering pump discharge into the perimeter channel. The samples obtained from LDCS-3A and LDCS-4A were also collected as grab samples from dewatering pump discharge pipes as the dedicated sleeper pumps at those locations were malfunctioning.

LDCS-1 water quality results included a low-level detection of 1,4-dichlorobenzene and benzene at 1.6 µg/L and 0.5 µg/L, respectively. Concentrations of secondary leachate indicator parameters ammonia and chloride were reported at 0.27 mg/L and 4.8 mg/L, respectively. Therefore, the 1,4-dichlorobenzene and benzene detections do not appear to be the result of leachate.

LDCS-2A water quality results included a low-level detection of acetone at 11 µg/L. Concentrations of secondary leachate indicator parameters ammonia and chloride were reported as non-detect and at

7.8 mg/L, respectively. Therefore, this acetone detection does not appear to be the result of leachate.

LDCS-2B water quality results included a low-level 1,4-dichlorobenzene detection at 0.5 µg/L. Concentrations of secondary leachate indicator parameters, ammonia and chloride, were reported at 0.21 mg/L and 21 mg/L, respectively. Therefore, this 1,4-dichlorobenzene detection does not appear to be the result of leachate.

LDCS-4A water quality results included a low-level 1,4-dichlorobenzene detection at 0.51 µg/L. Concentrations of secondary leachate indicator parameters, ammonia and chloride, were reported at 0.18 mg/L and 28 mg/L, respectively. Therefore, this 1,4-dichlorobenzene detection does not appear to be the result of leachate.

LDCS-7 water quality results included low-level detections of benzene at 1.2 µg/L and cis-1,2-dichloroethene at 0.73 µg/L. Additionally, secondary leachate indicator parameters, ammonia and chloride, reported low concentrations at 0.14 mg/L and 5.4 mg/L for LDCS- 7. As a result, the benzene and cis-1,2-dichloroethene detections do not appear to be the result of leachate.

LDCS-8 water quality results included a low-level detection of benzene at 0.54 µg/L. Additionally, concentrations of secondary leachate indicator parameters, ammonia and chloride, were reported as non-detect and at 25 mg/L, respectively. Therefore the benzene detection does not appear to be the result of leachate.

LDCS-9 water quality results included low-level detections of 1,2-dichloroethane at 0.53 µg/L, benzene at 1.9 µg/L, chloroethane at 0.67 µg/L, and cis-1,2-dichloroethene at 2.1 µg/L. However, primary leachate indicator parameters, acetone and 2-butanone, were not detected at LDCS-9. Additionally, secondary leachate indicator parameters, ammonia and chloride, remained low at 0.11 mg/L and 10 mg/L, respectively. During the third quarter, the Cell 9 sample was taken from the newly constructed Cell 9C LDCS sump after it was connected to the adjacent Cell 9 LDCS system. The Cell was still undergoing construction at the time of this monitoring event and the detections of new constituents may be attributed to the construction activities. The isolated cis-1,2-dichloroethene detection does not appear to be a result of leachate as primary and secondary leachate indicators were not reported. Subsequent 2025 monitoring data will be used for assessing the cell construction activities on the LDCS water quality and additional analysis will be presented in the annual monitoring report.

Water quality results for LDCS-1, LDCS-2B, LDCS-3A, LDCS-4A, LDCS-4B, LDCS-5, LDCS-6, LDCS-8, LDCS-7, LDCS-8 and LDCS-9 did not show any primary leachate indicator detections. Secondary leachate indicator results were consistent with previous values and therefore does not indicate a leachate detection within the LDCS.

LDCS time trend plots for inorganic parameters and dissolved metals are included in Attachment G. The following plots are provided for each leak detection sump:

- Plot 1 — alkalinity, ammonia, chloride, nitrate, sulfate, TDS and TOC.
- Plot 2 — arsenic, calcium, iron, magnesium, manganese, sodium, potassium and zinc.

Graphical plots of the LDCS water quality results are presented on trilinear (piper) diagrams in Attachment D. These plots demonstrate the water quality differences between groundwater from the

monitoring wells, shallow groundwater from the LDCS, and leachate (collected quarterly for cells 6, 7, 8 and 9).

SURFACE WATER MONITORING

Surface water monitoring was performed per the requirements of NPDES Construction Stormwater General Permit (CSWGP) WAR 002603C and NPDES Industrial Stormwater General Permit (ISGP) WAR 002557. During the third quarter of 2025, construction and industrial stormwater treatment with Chitosan Sand Enhanced Filtration (CESF) was utilized each month.

Discharge Monitoring Reports (DMR's) were submitted to Ecology on a monthly (Construction Permit) and quarterly (Industrial Permit) basis. Copies of the third quarter 2025 DMR's are included in Attachment I. There were no stormwater discharges in the third quarter of 2025.

LEACHATE MONITORING

Leachate was collected as grab samples from Cell 6, Cell 7, Cell 8 and Cell 9. Leachate sample results for these cells can be found in Attachment B.

Leachate volumes were monitored using the automated PLC system and through direct measurements by LRI site personnel. A summary of daily volumes pumped and leachate sump level data is provided in Attachment H.

Collected leachate was truck-hauled to the pretreatment facility at the Hidden Valley Landfill where it was subsequently discharged to the Pierce County sewer system in accordance with Pierce County Utilities Department Industrial Discharge Permit Number PC03096, and to the City of Tacoma and City of Salem Wastewater Treatment Plants for proper disposal. A summary of year-to-date leachate volume data based on volumes truck-hauled off site is provided on Exhibit 2.

Exhibit 2. 2025 Leachate Volume Data

Month	Leachate Trucked Offsite for Proper Disposal (gallons)	Monthly Rainfall (inches)
January	3,127,993	1.38
February	3,584,595	4.22
March	3,703,592	5.71
April	3,088,536	2.88
May	2,647,319	1.97
June	2,473,843	1.67
July	2,264,041	0.06
August	2,534,505	1.17
September	2,259,576	0.88
Notes: Leachate was trucked off-site for proper disposal. Leachate volumes that were trucked offsite for disposal determined by trucking records kept by LRI site personnel on a daily basis.		

LANDFILL GAS MONITORING

Monthly monitoring of the landfill gas probes was performed on July 24th, August 18th, and September 3rd using an Elkins Envision portable gas monitor. Monitoring results for performance probes installed adjacent to the landfill within the perimeter berm are included in Exhibit 3.

Exhibit 3. Q3 2025 Landfill Gas Probe Monitoring Summary (Percent Methane)
Performance Probes

Monitoring Date	GP-1	GP-2	GP-3	GP-4	GP-9	GP-10	GP-10P	GP-11	GP-12	GP-13	GP-14	GP-15	GP-16
July 24	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	1.6	0.0	0.0	0.0	0.0
August 18	19.8	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
September 3	9.4	0.0	0.0	0.0	0.0	3.3	0.1	0.0	0.0	0.0	0.0	0.8	0.0

Notes: All values are reported as percent methane by volume.

Methane measurements at or above the lower explosive limit of 5.0% by volume are shown in **bold**.

Monitoring results for five probes that were installed in September 2022 in native soils closer to the property boundary of the facility are included in Exhibit 4. These probes are located on the east and west sides of the landfill. Methane measurements were less than the lower explosive limit (LEL) of five percent by volume at each of these probes.

Exhibit 4. Q3 2025 Landfill Gas Probe Monitoring Summary (Percent Methane)
Native Soils Probes

Monitoring Date	GP-17	GP-18	GP-19	GP-20	GP-21
July 24	0.0	0.0	0.0	0.0	0.0
August 18	0.0	0.0	0.0	0.0	0.0
September 3	0.0	0.0	0.0	0.0	0.0

Notes: All values are reported as percent methane by volume.

Indoor air was tested for the presence of methane on September 4, 2025. The office, maintenance building, scale house, workshop and energy plant building were monitored with a portable flame ionization detector (MicroFID). Methane was detected at the main office at 6.4 ppm, the repair shop at 1.6 ppm, the scale booth at 1 ppm, the workshop at 5.4 ppm, and the energy plant at 1.2 ppm. These results are below the regulatory threshold of 100 ppm for methane in site structures.

Field records for gas probe and indoor air monitoring are included in Attachment J.

LANDFILL GAS EXTRACTION WELL CONSTRUCTION

Landfill gas extraction well construction activities were ongoing during Q3 2025 and will be included with the annual monitoring report when construction activities are complete.

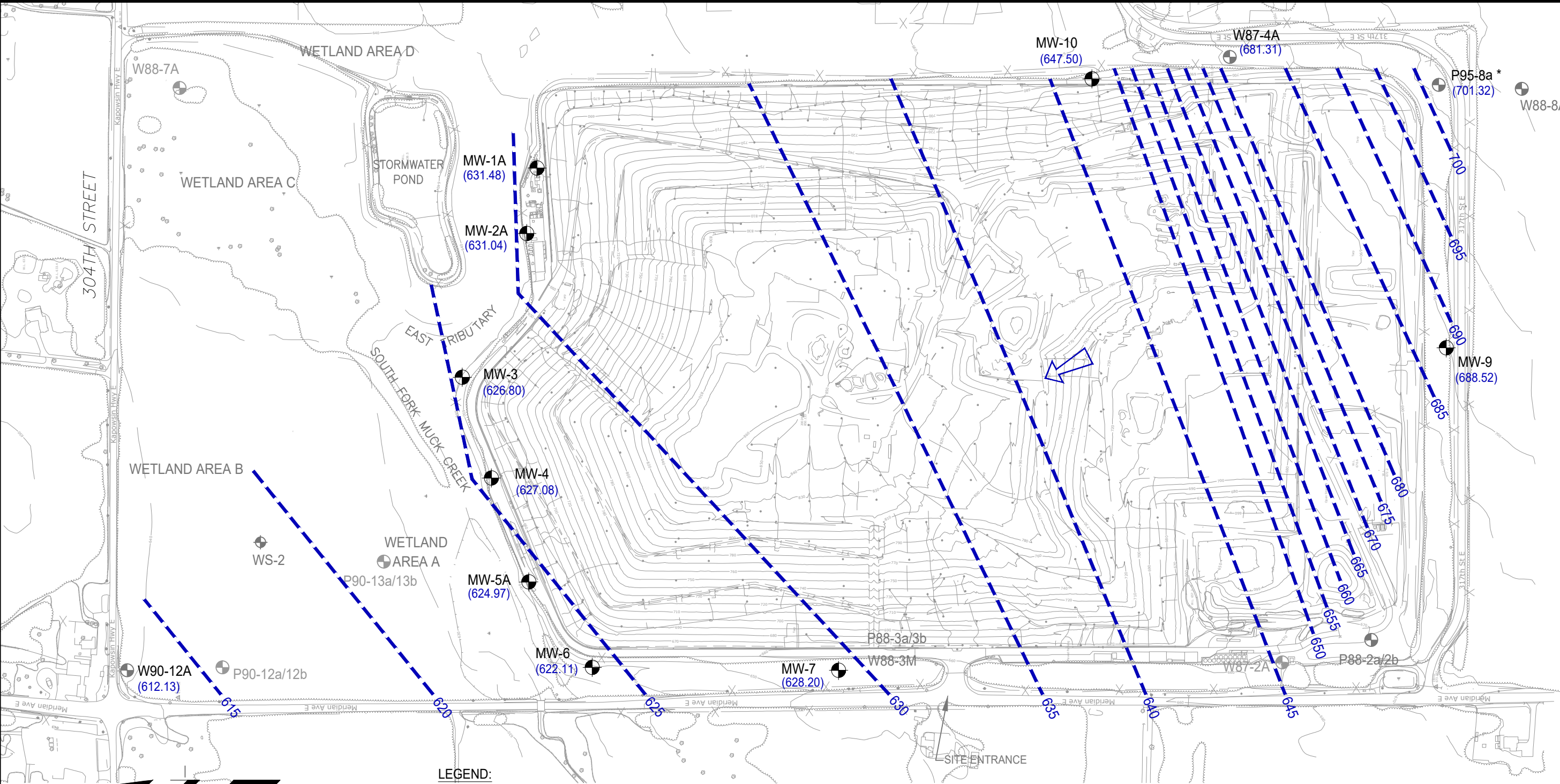
GROUNDWATER MONITORING WELL CONSTRUCTION AND MAINTENANCE

No well construction or other significant well maintenance activities were performed this quarter.

Attachment A

Groundwater Flow Map





NOTES:

VERTICAL DATUM - BASED ON
PIERCE COUNTY BENCH NO. 112-28,
ELEVATION 660.29 NGVD29

- LEGEND:
- MW-1A MONITORING WELL
 - W87-2A CHARACTERIZATION WELL/ PIEZOMETER
 - (631.48) GROUNDWATER ELEVATION (IN FEET ABOVE MSL)
 - ↙ INFERRED GROUNDWATER FLOW DIRECTION
 - (NM) NOT MEASURED



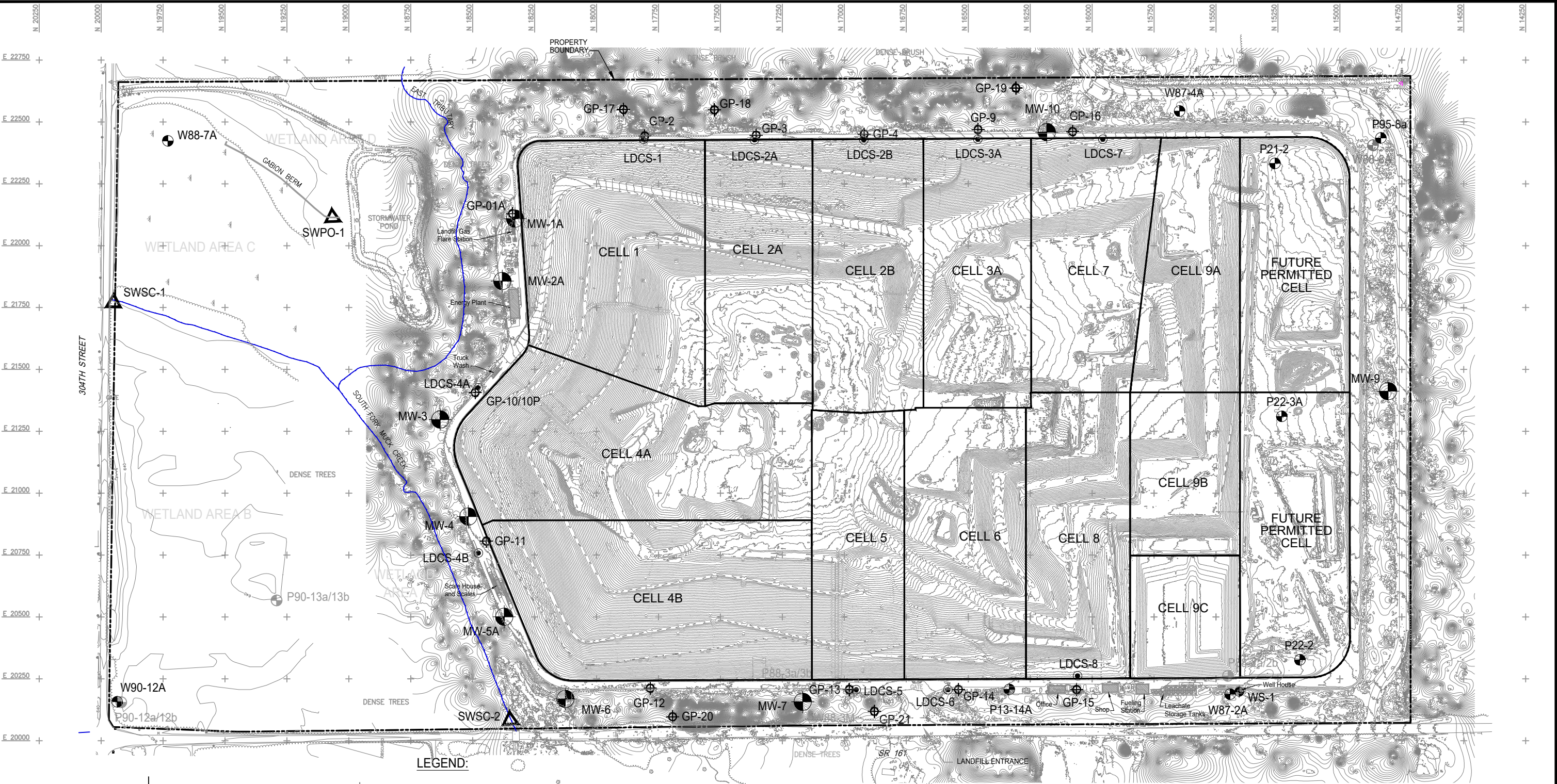
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PROJECT NO.	04225001.02	DES BY	J.E.
SCALE	AS SHOWN	CHK BY	D.V.
CAD FILE	FIGURE 1	APP BY	G.H.

POTENTIOMETRIC SURFACE CONTOUR MAP
SEPTEMBER 23, 2025
LRI LANDFILL
30919 MERIDIAN STREET E.
GRAHAM, WASHINGTON

DATE
JANUARY 2026
FIGURE
1



- NOTES:**
1. TOPOGRAPHIC BASE MAP PERFORMED BY PROPELLER AEROBOTICS, DATED 2025-09-15.
 2. SOME EDGES OF LANDFILL IS BASED ON TOPOGRAPHIC BASE MAP PREPARED BY COOPER AERIAL SURVEYS CO., USING PHOTOGRAMMETRIC SURVEY METHODS, DATE OF PHOTOGRAPH MAY 09, 2017.
 3. VERTICAL DATUM - BASED ON PIERCE COUNTY BENCH NO. 112-18, ELEVATION 660.29 NGVD29.

Attachment B

Groundwater Data Summary Tables



**Table 1. Groundwater Level Elevations
Third Quarter 2025
LRI Landfill, Pierce County, Washington**

Location	Well Casing Elevation (ft)	Depth to Water (ft)	Water Level Elevation (ft, NGVD29)
Wells			
W87-4A	693.29	11.98	681.31
W88-3M	658.11	68.76	589.35
W90-12A	640.84	28.71	612.13
MW-1A	652.57	21.09	631.48
MW-2A	651.93	20.89	631.04
MW-3A	637.41	10.61	626.80
MW-4	652.37	25.29	627.08
MW-5	654.4	29.43	624.97
MW-6	635.71	13.60	622.11
MW-7	656.03	27.83	628.20
MW-9	701.77	13.25	688.52
MW-10	678.37	30.87	647.50
Piezometers			
P95-8A	722.07	20.75	701.32
GP-1P	652.00	14.14	637.86
GP-2P	658.61	16.13	642.48
GP-3P	658.51	8.77	649.74
GP-4P	662.01	11.21	650.80
GP-9P	674.03	12.93	661.10
Leak Detection System			
LDCS-1	657.26	27.69	629.57
LDCS-2A	659.24	29.39	629.85
LDCS-2B	661.70	27.50	634.20

Notes:

NM = not measured

-- = not applicable

All measurements taken on September 23, 2025

Table 2. Field Parameters
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Sampling Method	pH	Conductivity	Temperature
Units				(SU)	(µS/cm)	(°C)
WAC 173-200 Criteria				6.5-8.5	700 ^b	—
Monitoring Wells						
MW-1A	304-092325-01	9/23/2025	DP	6.87	195.1	15.4
MW-2A	304-092325-02	9/23/2025	DP	7.08	313	15.2
MW-3A	304-092325-03	9/23/2025	DP	7.28	410.0	11.1
MW-4	304-092325-04	9/23/2025	SP	7.22	351	16.0
MW-5	304-092325-05	9/23/2025	DP	7.54	287	14.1
MW-6	304-092325-06	9/23/2025	DP	7.55	409	10.9
MW-7	304-092325-07	9/23/2025	DP	7.38	386.0	11.4
MW-9	304-092325-09	9/23/2025	DP	6.43	150.0	10.9
MW-10	304-092325-11	9/23/2025	DP	6.25	269	13.4
Leak Detection System						
LDCS-1	304-092425-13	9/24/2025	DB	6.02	732	20.6
LDCS-2A	304-092425-14	9/24/2025	DB	6.54	810	23.6
LDCS-2B	304-092425-15	9/24/2025	DB	6.08	1026	23.4
LDCS-3A	304-092425-16	9/24/2025	DP	6.14	989	23.7
LDCS-4A	304-092425-17	9/24/2025	DP	6.33	836	27.6
LDCS-4B	304-092425-18	9/24/2025	DP	6.35	882	29.5
LDCS-5	304-092425-19	9/24/2025	DP	6.37	862	24.4
LDCS-6	304-092425-20	9/24/2025	DP	6.93	1,155	22.4
LDCS-7	304-092425-21	9/24/2025	DP	5.95	838	28.5
LDCS-8	304-092425-22	9/24/2025	PP	6.14	1,064	26.8
LDCS-9	304-092425-23	9/24/2025	PP	6.15	818	24.0
Leachate Collection System						
Leachate, Cell 6	304-092425-24	9/24/2025	GB	7.82	34,555	37.5
Leachate, Cell 7	304-092425-25	9/24/2025	GB	7.63	24,250	23.5
Leachate, Cell 8	304-092425-26	9/24/2025	PP	7.76	25,667	36.4
Leachate, Cell 9	304-092425-27	9/24/2025	GB	7.51	22,585	32.3

Notes:

Groundwater (monitoring well) concentrations greater than the WAC 173-200 criteria are shown in **bold**

— = Not applicable or not performed

b = Secondary Drinking Water Standard

°C = degrees celcius

Table 3. Inorganic Parameters
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Parameter	Alkalinity, Total	Ammonia	Chloride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Suspended Solids
MRL	10	0.10	0.20	0.50	0.20	10	1.0	4.0
WAC 173-200 Criteria	—	—	250	10	250	500	—	—
Monitoring Wells								
MW-1A	96	*	2	*	6.3	150	*	*
MW-2A	130	0.17	3.6	*	22	210	*	*
MW-3	150	0.13	3.9	*	36	230	*	*
MW-4	170	*	3.2	*	11	240	1	*
MW-5A	140	0.12	2.4	*	5.2	180	*	14
MW-6	180	0.11	5.1	*	7.1	220	1.1	8.4
MW-7	170	0.18	2.8	*	4.5	210	*	*
(BG) MW-9	68	*	1.5	*	1.7	140	*	*
(BG) MW-10	120	*	6.2	2.7	5.8	200	*	*
Leak Detection System								
LDCS-1	340	0.27	5.2	*	4.2	400	4.9	—
LDCS-2A	450	*	7.8	*	20	530	3.3	—
LDCS-2B	430	0.21	21	*	45	570	4.7	—
LDCS-3A	450	0.18	4.7	*	47	550	2.5	—
LDCS-4A	350	0.18	28	*	54	500	5.2	—
LDCS-4B	350	0.76	33	*	60	530	9.4	—
LDCS-5	370	0.29	26	*	59	520	8.7	—
LDCS-6	450	*	45	*	120	740	3.7	—
LDCS-7	410	0.14	5.2	*	5.9	490	7	—
LDCS-8	510	*	25	*	64	660	5.1	—
LDCS-9	350	0.11	10	*	60	490	3.4	—
Leachate Collection System								
Leachate, Cell 6	15000	2500	4200	*	83	21000	3400	—
Leachate, Cell 7	7800	1700	2800	*	290	11000	1200	—
Leachate, Cell 8	11000	2600	2800	*	80	14000	1900	—
Leachate, Cell 9	8700	1900	2500	*	*	12000	1300	—

Notes:

All sample units are milligrams per liter (mg/L)

Groundwater (monitoring well) concentrations greater than prediction limits or WAC 173-200 criteria are shown in **bold**

Analyses performed by Eurofins TestAmerica of Denver, Colorado

Method Reporting Limit (MRL) is typical and may be elevated for some samples

* = Sample result was not reported at or above the MRL

Table 4. WAC 173-351 Appendix I Metals
Third Quarter 2025
LRI Landfill, Pierce County, Washington

[illegible]

Notes:
All sample units are milligrams per liter (mg/L)
WAC 173-200-040 Table 1 Groundwater Quality Criteria are for total metals
Groundwater (monitoring well) concentrations greater than prediction limits or WAC 173-200 criteria are shown in **bold**
Parameter concentrations for monitoring wells are total (T) metals
Parameter concentrations for LDCS sumps are dissolved (D) metals
Parameter concentrations for leachate samples are total (T) metals
* = sample result was not reported at or above the MRL
— = not applicable or not performed
BG = Background

Table 5. WAC 173-351 Appendix II Metals (Dissolved)
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Parameter	Calcium	Iron	Magnesium	Manganese	Potassium	Sodium
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MRL	0.20	0.10	0.10	0.005	2.0	1.0
WAC 173-200 Criteria	—	0.30	—	0.050	—	—
Monitoring Wells						
MW-1A	16	0.13	8.9	0.28	3.5	11
MW-2A	27	0.25	13	0.29	3.9	17
MW-3	37	*	16	0.26	3.9	14
MW-4	32	*	17	0.14	5.8	14
MW-5A	26	*	11	0.15	3.7	18
MW-6	37	*	17	0.025	5	11
MW-7	28	*	19	0.22	6.1	12
(BG) MW-9	9.8	*	6.5	*	2 U	7.4
(BG) MW-10	25	0.24	11	*	2.3	13
Leak Detection System						
LDCS-1	69	*	30	2.6	6.2	21
LDCS-2A	96	*	38	2.3	9.5	30
LDCS-2B	98	*	46	3	8	23
LDCS-3A	99	*	44	4	6.6	23
LDCS-4A	81	1.1	42	1.2	5.8	28
LDCS-4B	84	0.37	38	1.3	6.6	33
LDCS-5	79	*	45	0.9	7.1	34
LDCS-6	100	0.2	75	1.7	7.6	32
LDCS-7	83	*	34	3.9	5.2	26
LDCS-8	79	1.4	82	1.9	6.8	24
LDCS-9	87	*	34	1.3	5.6	32
Leachate**						
Leachate, Cell 6	45	8.9	98	0.39	1400	5800
Leachate, Cell 7	38	25	57	0.37	700	3100
Leachate, Cell 8	61	1.3	75	1	830	3200
Leachate, Cell 9	69	8.1	100	0.68	860	3000

Notes:

All sample units are milligrams per liter (mg/L)

WAC 173-200-040 Table 1 Groundwater Quality Criteria are for total metals

Groundwater (monitoring well) concentrations greater than WAC 173-200 criteria are shown in **bold**

Analyses performed by Eurofins TestAmerica of Denver, Colorado

Method Reporting Limit (MRL) is typical and may be elevated for some samples

* = sample result was not reported at or above the MRL

** = Reported concentrations for leachate are total metals

Table 6. Volatile Organic Compounds (µg/L)
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Parameter	1,2-Dichloroethane	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Carbon disulfide	Chlorobenzene	Chloroethane	cis-1,2-Dichloroethene	Ethylbenzene	m-Xylene & p-Xylene	o-Xylene	Styrene	Toluene
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MRL	0.5	0.50	6.0	15.0	5.0	10.0	0.50	0.63	0.50	0.50	0.50	1.0	0.50	0.50	—	0.50
WAC 173-200 Criteria	0.50	4.0	—	—	—	—	1.0	—	—	—	—	—	—	—	—	—
Monitoring Wells																
MW-1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
(BG) MW-9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
(BG) MW-10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leak Detection System																
LDCS-1	*	1.6	*	*	*	*	0.5	*	*	*	*	*	*	*	*	*
LDCS-2A	*	*	*	*	*	11	*	*	*	*	*	*	*	*	*	*
LDCS-2B	*	0.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-3A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-4A	*	0.51	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-4B	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-7	*	*	*	*	*	*	1.2	*	*	*	0.73	*	*	*	*	*
LDCS-8	*	*	*	*	*	*	0.54	*	*	*	*	*	*	*	*	*
LDCS-9	0.53	*	*	*	*	*	1.9	*	*	0.67	2.1	*	*	*	*	*
Leachate Collection System																
Leachate, Cell 6	*	*	3400	*	43	6100	*	*	*	*	*	8.2	12	8.5	*	15
Leachate, Cell 7	*	*	7400	*	140	9400	*	9.6	1.3	*	3.3	18	27	15	*	23
Leachate, Cell 8	*	*	610	*	*	650	*	5.9	*	*	*	11	15	11	*	13
Leachate, Cell 9	*	3.2	320	*	30	170	12	*	*	*	*	29	51	27	6.5	87
Quality Control Samples																
Field Blank	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Notes:
All sample units are micrograms per liter (µg/L)
Analyses performed by Eurofins TestAmerica of Denver, Colorado
Groundwater (monitoring well) concentrations greater than WAC 173-200 criteria are shown in **bold**

Table 7. Cation-Anion Balance
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Cations	mg/L					meq/L					% of Total		
	Ca	Mg	K	Na	Total	Ca	Mg	K	Na	Total	Na+K	Ca	Mg
MW-1A	16	8.9	3.5	11	39.4	0.80	0.73	0.08	0.48	2.09	26.7	38.2	35.1
MW-2A	27	13	3.9	17	60.9	1.35	1.07	0.09	0.74	3.24	25.5	41.5	33.0
MW-3	37	16	3.9	14	70.9	1.85	1.32	0.09	0.61	3.86	18.1	47.8	34.1
MW-4	32	17	5.8	14	68.8	1.60	1.40	0.13	0.61	3.74	19.8	42.7	37.5
MW-5A	26	11	3.7	18	58.7	1.30	0.91	0.08	0.78	3.07	28.2	42.3	29.5
MW-6	37	17	5	11	70	1.85	1.40	0.11	0.48	3.84	15.4	48.1	36.5
MW-7	28	19	6.1	12	65.1	1.40	1.56	0.14	0.52	3.62	18.2	38.6	43.2
MW-9	9.8	6.5	2	7.4	25.7	0.49	0.53	0.05	0.32	1.39	26.4	35.2	38.5
MW-10	25	11	2.3	13	51.3	1.25	0.91	0.05	0.57	2.77	22.3	45.0	32.7
LDCS-1	69	30	6.2	21	126.2	3.44	2.47	0.14	0.91	6.97	15.1	49.4	35.4
LDCS-2A	96	38	9.5	30	173.5	4.79	3.13	0.21	1.31	9.44	16.1	50.8	33.1
LDCS-2B	98	46	8	23	175	4.89	3.79	0.18	1.00	9.86	12.0	49.6	38.4
LDCS-3A	99	44	6.6	23	172.6	4.94	3.62	0.15	1.00	9.71	11.8	50.9	37.3
LDCS-4A	81	42	5.8	28	156.8	4.04	3.46	0.13	1.22	8.85	15.2	45.7	39.1
LDCS-4B	84	38	6.6	33	161.6	4.19	3.13	0.15	1.44	8.90	17.8	47.1	35.1
LDCS-5	79	45	7.1	34	165.1	3.94	3.70	0.16	1.48	9.28	17.7	42.5	39.9
LDCS-6	100	75	7.6	32	214.6	4.99	6.17	0.17	1.39	12.73	12.3	39.2	48.5
LDCS-7	83	34	5.2	26	148.2	4.14	2.80	0.12	1.13	8.19	15.2	50.6	34.2
LDCS-8	79	82	6.8	24	191.8	3.94	6.75	0.15	1.04	11.89	10.1	33.2	56.8
LDCS-9	87	34	5.6	32	158.6	4.34	2.80	0.13	1.39	8.66	17.5	50.1	32.3

Anions	mg/L					meq/L					% of Total			Total Ions (meq/L)	Cation - Anion Balance	Applicable Ratio (%)	Ratio Exceedance
	Alk	Cl	NO ₃	SO ₄	Total	Alk	Cl	NO ₃	SO ₄	Total	Cl	Alk	SO ₄				
MW-1A	115.2	2	0.5	6.3	124	1.89	0.06	0.008	0.13	2.08	2.7	90.6	6.3	4.17	0.1	10	O
MW-2A	156	3.6	0.5	22	182.1	2.56	0.10	0.008	0.46	3.13	3.2	81.9	14.6	6.37	1.9	5	O
MW-3	180	3.9	0.5	36	220.4	2.95	0.11	0.008	0.75	3.82	2.9	77.3	19.6	7.68	0.5	5	O
MW-4	204	3.2	0.5	11	218.7	3.35	0.09	0.008	0.23	3.67	2.5	91.1	6.2	7.41	0.9	5	O
MW-5A	168	2.4	0.5	5.2	176.1	2.76	0.07	0.008	0.11	2.94	2.3	93.7	3.7	6.01	2.2	5	O
MW-6	216	5.1	0.5	7.1	228.7	3.54	0.14	0.008	0.15	3.84	3.7	92.2	3.8	7.68	0.1	5	O
MW-7	204	2.8	0.5	4.5	211.8	3.35	0.08	0.008	0.09	3.53	2.2	94.9	2.7	7.15	1.3	5	O
MW-9	81.6	1.5	0.5	1.7	85.3	1.34	0.04	0.008	0.04	1.42	3.0	94.0	2.5	2.81	1.2	10	O
MW-10	144	6.2	2.7	5.8	158.7	2.36	0.17	0.043	0.12	2.70	6.5	87.4	4.5	5.47	1.3	5	O
LDCS-1	408	5.2	0.5	4.2	417.9	6.69	0.15	0.008	0.09	6.93	2.1	96.5	1.3	13.90	0.2	5	O
LDCS-2A	540	7.8	0.5	20	568.3	8.86	0.22	0.008	0.42	9.50	2.3	93.2	4.4	18.94	0.3	5	O
LDCS-2B	516	21	0.5	45	582.5	8.46	0.59	0.008	0.94	10.00	5.9	84.6	9.4	19.86	0.7	5	O
LDCS-3A	540	4.7	0.5	47	592.2	8.86	0.13	0.008	0.98	9.97	1.3	88.8	9.8	19.69	1.3	5	O
LDCS-4A	420	28	0.5	54	503	6.89	0.79	0.008	1.12	8.81	9.0	78.2	12.8	17.66	0.2	5	O
LDCS-4B	420	33	0.5	60	514	6.89	0.93	0.008	1.25	9.07	10.3	75.9	13.8	17.98	1.0	5	O
LDCS-5	444	26	0.5	59	530	7.28	0.73	0.008	1.23	9.25	7.9	78.7	13.3	18.53	0.2	5	O
LDCS-6	540	45	0.5	120	706	8.86	1.27	0.008	2.50	12.63	10.0	70.1	19.8	25.36	0.4	5	O
LDCS-7	492	5.2	0.5	5.9	504	8.07	0.15	0.008	0.12	8.35	1.8	96.7	1.5	16.53	1.0	5	O
LDCS-8	612	25	0.5	64	702	10.04	0.71	0.008	1.33	12.08	5.8	83.1	11.0	23.97	0.8	5	O
LDCS-9	420	10	0.5	60	491	6.89	0.28	0.008	1.25	8.43	3.3	81.7	14.8	17.08	1.4	5	O

Notes:

mg/L = milligrams per liter

meq/L = milliequivalents per liter

Total alkalinity concentration, reported as calcium carbonate (CaCO₃), is converted to the bicarbonate (HCO₃) ion by multiplying by a factor of 1.2

Cation / anion balance equation is the equivalent percent difference in cations minus anions divided by the sum of cations and anions [(cations-anions)/(anions+cations)*100].

All measurements taken on June 18-19, 2025

A 10% difference threshold is used if the total cation-anion sums are < 5.0 meq/liter

A 5% difference threshold is used if the total cation-anion sums are > or = to 5.0 meq/liter

Table 8. Duplicate Sample Results
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Parameter	MRL	MW-7	MW-7 (Duplicate)	RPD (%)
Volatile Organic Compounds (µg/L)				
No Detections	-	-	-	-
Inorganic Parameters (mg/L)				
Alkalinity, Total		170	170	0.00
Ammonia		0.18	0.2	10.53
Chloride		2.8	2.7	3.64
Sulfate		4.5	4.5	0.00
Total Dissolved Solids		210	210	0.00
Dissolved Metals (mg/L)				
Calcium		28	28	0.00
Magnesium		19	19	0.00
Manganese		0.22	0.22	0.00
Potassium		6.1	6.1	0.00
Sodium		12	12	0.00
Total Metals (mg/L)				
Arsenic		0.0065	0.0059	9.68
Barium		0.015	0.016	6.45

Notes:

Analyses performed by Eurofins TestAmerica of Denver, Colorado

Parameters not listed were not present at concentrations exceeding the Method Reporting Limit (MRL)

RPD = relative percent difference

µg/L = micrograms per liter

Attachment C

Field Sampling Documentation



September 25, 2025
File No. 04225001.02

Subject: **Third Quarter 2025 Groundwater Monitoring Event**
LRI Landfill, Pierce County, Washington

NOTES/SAMPLE DECODING:

Event Dates: September 23 & 24, 2025

Field Staff: Jovany Estrada & Alex Deszo

- This event served as a quarterly monitoring event.
- Dedicated pumps were used for purging and sampling wells MW-1A, MW-2A, MW-3, MW-5A, MW-6, MW-7, MW-9, MW-10, and leak detection/collection system points LDCS-4B, LDCS-5, LDCS-6, and LDCS-7.
- Disposable bailers were used to sample leak detection/collection system points LDCS-1, LDCS-2A, LDCS-2B.
- The sample from LDCS-3A, LDCS-4A, LDCS-8 and LDCS-9 was collected from the channel discharge spigot.
- A non-dedicated Sample Pro pump was used for purging and sampling monitoring point MW-4.
- A round of water level measurements was completed concurrent with monitoring.
- Multiparameter field meters were calibrated daily, prior to sampling.
- Source water for the field blank was lab-grade deionized water (VOC-free) provided by Eurofins in Denver, Colorado.

Sample Number	Well Number
304-092325-01	MW-1A
304-092325-02	MW-2A
304-092325-03	MW-3
304-092325-04	MW-4
304-092325-05	MW-5
304-092325-06	MW-6
304-092325-07	MW-7
304-092325-08	MW-7 Duplicate
304-092325-09	MW-9
304-092325-11	MW-10
304-092325-12	Field Blank
304-092425-13	LDCS-1
304-092425-14	LDCS-2A
304-092425-15	LDCS-2B

304-092425-16	LDCS-3A
304-092425-17	LDCS-4A
304-092425-18	LDCS-4B
304-092425-19	LDCS-5
304-092425-20	LDCS-6
304-092425-21	LDCS-7
304-092425-22	LDCS-8
304-092425-23	LDCS-9
304-092425-24	Leachate, Cell 6
304-092425-25	Leachate, Cell 7
304-092425-26	Leachate, Cell 8
304-092425-27	Leachate, Cell 9

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: <u>04225001.02</u>	Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: <u>UR 304th</u>	21.09 DTW	Meter:	CONTROL SETTINGS:				
Well ID: <u>MW-1A</u>	TOS	MP-20	1 ft water = 0.62L	1L = 0.26 gallons			
Sample ID: <u>304-p92325-01</u>	Intake	<u>YSI</u>	Refill	<u>9</u>	One Well Volume	Other	
Date: <u>9/23/25</u>	BOS		Discharge	<u>6</u>	(liters)	Flow	
Weather: <u>clear</u>	Total Depth		Pressure	<u>3540</u>	Total Volume Bailed	Setting	
			Flow		(liters)		
Filtered? <u>Y</u> <u>N</u>	Locked? <u>Y</u> <u>N</u>	Water in Protector? <u>Y</u> <u>N</u>	Damage? <u>Y</u> <u>N</u>				
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly			
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber			
	125 ml NaOH						

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1119		20.2	201.6	7.65	7.25	117.5	7.2	
1124		15.5	191.1	1.40	6.82	52.0	11.4	
1127		15.5	191.7	1.20	6.82	31.7	16.8	
1130		15.4	192.9	1.19	6.84	13.8	48.3	
1133		15.4	193.7	1.21	6.85	15.4	5.4	
1136		15.4	194.2	1.20	6.86	1.2	5.7	
1139		15.4	195.1	1.17	6.87	-5.1	7.6	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovan Estrada
Printed Name

Jovan Estrada
Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

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Groundwater Sampling Data Sheet

Project #: 04225001.02
 Site: LP 304H
 Well ID: MW-2A
 Sample ID: 304-092325-02
 Date: 9/23/25
 Weather: Clear

Sampling Method: Dedicated
 Meter: YSI
 MP-20
 TOS
 Intake
 BOS
 Total Depth

1.75" QED SamplePro
 Bail
 Peristaltic
 Grab
 Other

CONTROL SETTINGS
 1 ft water = 0.62L
 1L = 0.26 gallons
 Refill: 9
 Discharge: 6
 Pressure: 30
 Flow: 400 ml/min
 One Well Volume (liters):
 Total Volume Bailed (liters):

Filtered? Y N Locked? Y N Water in Protector? Y N Damage? Y N
 Sample Containers: 1000 ml Poly 500 ml Poly 250 ml Poly 125 ml Poly
 500 ml HNO3 x2 500 ml H2SO4 x2 40 ml VOA x3 x6 1000 ml Amber
 125 ml NaOH

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1201		22.7	285.0	8.30	7.74	43.4	9.7	
1206		15.6	327.7	1.30	6.90	-23.5	2.6	
1209		15.3	330.5	0.89	7.06	-68.7	1.9	
1212		15.3	321.7	0.85	7.07	-78.5	1.8	
1215		15.2	316.3	0.82	7.08	-85.5	1.7	
1218		15.2	315.9	0.81	7.08	-90.3	1.6	
1221		15.2	313.0	0.80	7.08	-93.0	1.7	

Notes / Observations (color odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
 Printed Name

Jovany Estrada
 Signature

SCS ENGINEERS

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Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #	B4225001.03			Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site	L2E 304th			Meter:	CONTROL SETTINGS						
Well ID:	MW-3			MP-20	Refill	8	1 ft water = 0.62L	1L = 0.26 gallons			
Sample ID	304-092321-03			YSI	Discharge	7	One Well Volume (liters)	Other			
Date:	9/23/25			BOS	Pressure	~30-35 PSI	Total Volume Bailed (liters)	Flow Setting			
Weather	Sunny Clear 76°F			Total Depth	Flow	600 ml/min					
Filtered? Y ☒	Locked? Y ☒	Water in Protector? Y ☒	Damage? Y ☒								
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly							
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber							
	125 ml NaOH										

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol.
1427		11.7	426	7.11	7.26	6.6	3.75	
1432		11.2	409	0.64 ~~2.04~~	7.04	-167.8	5.03	
1435		11.1	409	0.34	7.26	-223.8	4.38	
1438		11.1	409	0.22	7.29	-252.6	3.96	
1441		11.1	409	0.16	7.29	-264.4	4.15	
1444		11.1	409	0.12	7.28	-275.0	4.05	
1447		11.1	410	0.09	7.28	-283.9	4.14	

Notes / Observations (color, odor, anomalies, etc.)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Alex Desro
Printed Name

AM
Signature

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #:	04225001.02	Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	LP1 304th	Meter	CONTROL SETTINGS:			1 ft water = 0.62L 1L = 0.26 gallons		
Well ID:	MW-4	MP-20	Refill	9	One Well Volume	Other		
Sample ID	301-092325-04	YSI	Discharge	6	(liters)	Flow		
Date:	9/23/25		Pressure	40	Total Volume Bailed	Setting		
Weather	Clear		Flow		(liters)			
Filtered? Y ☒ N	Locked? Y ☒ N	Water in Protector? Y ☒ N	Damage? Y ☒ N					
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1319		17.8	360.6	2.31	7.19	18.9	24.7	
1324		16.3	351.9	0.96	7.18	-18.0	6.8	
1327		16.1	351.8	0.89	7.20	-28.9	9.5	
1330		16.2	351.6	0.86	7.20	-32.1	9.6	
1333		16.2	351.4	0.86	7.20	-33.6	10.1	
1336		16.1	351.7	0.86	7.21	-35.8	10.64	
1339		16.0	351.4	0.84	7.22	-38.3	13.0	

Notes / Observations (color odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

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2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: <u>04225001.02</u>	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site: <u>121304th</u>	DTW: <u>29.43</u>	Meter: <u>MP-20</u>	CONTROL SETTINGS			
Well ID: <u>MW-5</u>	TOS	MP-20	Refill: <u>9</u>	1 ft water = 0.62L		
Sample ID: <u>304-092325-05</u>	Intake	<u>YSI</u>	Discharge: <u>6</u>	1L = 0.26 gallons		
Date: <u>9/23/25</u>	BOS		Pressure: <u>40</u>	One Well Volume (liters)		
Weather: <u>6 Clear</u>	Total Depth		Flow	Total Volume Bailed (liters)		
Filtered? Y <u>N</u>	Locked? Y <u>N</u>	Water in Protector? Y <u>N</u>	Damage? Y <u>N</u>			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1421		14.7	361.5	2.88	7.13	-52.0	228.7	
1426		14.4	282.4	1.05	7.50	-62.3	42.7	
1429		14.2	283.3	1.08	7.49	-61.0	34.6	
1432		14.3	286.5	1.07	7.51	-70.5	20.7	
1435		14.2	286.8	1.03	7.52	-74.7	19.0	
1438		14.2	287.2	0.99	7.54	-77.6	20.9	
1441		14.1	286.8	0.97	7.54	-80.1	21.6	

Notes / Observations (color, odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

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Groundwater Sampling Data Sheet

Project #:	04225001.03		Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	L2E 304th		DTW	Meter	CONTROL SETTINGS		1 ft water = 0.62L 1L = 0.26 gallons		
Well ID:	MW-6		TOS	MP-20	Refill	8	One Well Volume	Other	
Sample ID:	304-092325-06		Intake	YSI	Discharge	7	(liters)	Flow Setting	
Date:	9/23/25		BOS		Pressure	25 30 Psi	Total Volume Bailed		
Weather	Clear 73°F		Total Depth		Flow	700 mL/min	(liters)		
Filtered? Y (N)	Locked? Y (N)	Water in Protector? Y (N)	Damage? Y (N)						
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1235		11.0	421	3.55	6.32	-70.1	47.44	
1240		10.9	409	0.49	7.42	-255.3	32.99	
1243		10.9	409	0.21	7.55	-292.6	33.12	
1246		10.9	409	0.16	7.55	-301.8	33.85	
1249		10.9	409	0.11	7.56	-313.5	31.79	
1252		10.9	409	0.08	7.55	-324.0	42.41	
1255		10.9	409	0.06	7.55	-331.8	46.58	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER:

Printed Name

Alex Deszo

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Groundwater Sampling Data Sheet

Project #:	04225001103			Sampling Method:	Medicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site:	L25 304th			DTW	27.83	CONTROL SETTINGS		1 ft water = 0.62L 1L = 0.26 gallons		
Well ID:	MW-7			TOS	/	Refill	8	One Well Volume (liters)		
Sample ID:	304-092325-07			Intake	YSP	Discharge	7	Other		
Date:	9/23/25			BOS	/	Pressure	~30	Flow Setting		
Weather:	Clear Sunny 75°F			Total Depth	~52'	Flow	300 ml/min	Total Volume Bailed (liters)		
Filtered? Y (N)	Locked? Y (N)	Water in Protector? Y (N)	Damage? Y (N)							
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1323		12.3	436	6.41	6.50	-116.7	4.29	
1328		11.5	393	0.68	6.91	-241.8	6.33	
1331		11.4	391	0.36	7.21	-275.6	5.62	
1334		11.4	390	0.26	7.37	-288.2	5.55	
1337		11.4	389	0.29	7.43	-278.7	5.02	
1340		11.4	387	0.44	7.40	-255.0	5.09	
1343		11.4	386	0.53	7.38	-246.9	5.17	

Notes / Observations (color, odor, anomalies, etc)

Not field filtered

Duplicate sample @ 1353
304-092325-08

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER:

Alex Deszo
Printed Name

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2405 140th ave NE #107

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Groundwater Sampling Data Sheet

Project #: 04225001.03

Site: LRI 304th

Well ID: MW-9

Sample ID: 304-092325-09

Date: 9/23/25

Weather: Clear, Sunny 70°F

Filtered? Y ☒ N ☐ Locked? ☒ N ☐ Water in Protector? Y ☒ N ☐ Damage? Y ☒ N ☐

Sample Containers

1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly
500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber
125 ml NaOH			

Sampling Method: Dedicated 1.75" QED SamplePro Bail Peristaltic Grab Other

Meter: MP-20 YSI

DTW: 13.25'

TOS: /

Intake: /

BOS: /

Total Depth: ~70'

Refill: 8

Discharge: 7

Pressure: 35-40 PSI

Flow: ~200 mL/min

CONTROL SETTINGS

1 ft water = 0.62L 1L = 0.26 gallons

One Well Volume (liters) _____ Other _____

Flow Setting _____

Notes / Observations (color, odor, anomalies, etc)

* Not field filtered *

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1048		12.8	159	7.37	6.20	21.3	4.38	
1053		11.0	150	4.53	6.22	-19.8	3.98	
1056		10.9	150	4.43	6.43	-31.6	4.13	
1059		10.9	150	4.37	6.47	-37.8	4.02	
1102		10.9	150	4.35	6.46	-39.9	4.14	
1105		10.9	150	4.32	6.44	-39.6	4.10	
1108		10.9	150	4.31	6.43	-40.2	4.26	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER Alex Deszcz
Printed Name

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Groundwater Sampling Data Sheet

Project #: 04225008.02
 Site: LR1 304th
 Well ID: MW-10
 Sample ID: 304-p92325-11
 Date: 9/23/25
 Weather: Clear

Sampling Method: Dedicated
 Meter: YSI
 DTW: 30.87
 TOS: /
 Intake: /
 BOS: /
 Total Depth: /

CONTROL SETTINGS
 1 fl water = 0.62L
 1L = 0.26 gallons
 Refill: 9
 Discharge: 6
 Pressure: 40
 Flow: 350 ml/min

One Well Volume (liters): _____
 Total Volume Bailed (liters): _____

Filtered? Y ☒ N
 Locked? Y ☒ N
 Water in Protector? Y ☒ N
 Damage? Y ☒ N

Sample Containers
 1000 ml Poly
 500 ml HNO3 x2
 125 ml NaOH
 500 ml Poly
 500 ml H2SO4 x2
 250 ml Poly
 40 ml VOA x3 x6
 125 ml Poly
 1000 ml Amber

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1032		18.4	264.5	7.14	6.08	162.9	21.5	
1037		13.6	273.7	1.19	6.19	130.8	4.0	
1040		13.5	271.9	1.16	6.22	114.4	3.4	
1043		13.4	269.9	1.13	6.23	100.2	3.3	
1046		13.4	269.8	1.13	6.23	99.2	3.0	
1049		13.5	269.3	1.13	6.24	89.4	3.0	
1052		13.4	269.3	1.13	6.25	86.6	3.0	

Notes / Observations (color odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER:

Jovany Estrada
 Printed Name

Jovany Estrada
 Signature

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Groundwater Sampling Data Sheet

Project #:	D4225001.02	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site:	121 304th	Meter:	CONTROL SETTINGS					
Well ID:	Field Blank	MP-20	1 ft water = 0.62L 1L = 0.26 gallons					
Sample ID:	304-092325-12	YSI	Refill	One Well Volume (liters)		Other		
Date:	9/23/25		Discharge	Total Volume Bailed (liters)		Flow Setting		
Weather:	Clear		Pressure					
			Flow					
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N	
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1500		22.9	6.5	5.82	8.41	-39.3	4.0	

Notes / Observations (color odor, anomalies etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #:	04225061.02	Sampling Method:	Dedicated	1.75" QED SamplePro	<u>Bail</u>	Peristaltic	Grab	Other
Site:	121 304th	Meter:	CONTROL SETTINGS					
Well ID:	1665-1	MP-20	1 ft water = 0.62L 1L = 0.26 gallons					
Sample ID:	304-092425-13	<u>YSI</u>	Refill	One Well Volume (liters)		Other		
Date:	9/24/25		Discharge	Total Volume Bailed (liters)		Flow Setting		
Weather:	Clear		Pressure					
Filtered? Y <u>N</u>	Locked? Y <u>N</u>	Water in Protector? Y <u>N</u>	Flow					
Sample Containers	1000 ml Poly	500 ml Poly	Notes / Observations (color, odor, anomalies, etc.)					
	500 ml HNO3 x2	500 ml H2SO4 x2						
	125 ml NaOH							

TIME	DTW	Temp.	Sp Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1315		20.6	732	2.14	6.02	-37.3	26.8	

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
Printed Name

Jovany Estrada
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Groundwater Sampling Data Sheet

Project #: <u>04225001.02</u>	Sampling Method	Dedicated	1.75" QED SamplePro	<u>Bail</u>	Peristaltic	Grab	Other
Site: <u>121 304th</u>	Meter:	CONTROL SETTINGS					
Well ID: <u>LDCS-2A</u>	MP-20	1 ft water = 0.62L 1L = 0.26 gallons					
Sample ID: <u>304-092425-14</u>	<u>YSI</u>	Refill	One Well Volume				Other
Date: <u>9/24/25</u>	Intake	Discharge	(liters)				Flow
Weather: <u>clear</u>	BOS	Pressure	Total Volume Bailed				Setting
Filtered? <u>Y</u> <u>N</u>	Total Depth	Flow	(liters)				
Locked? <u>Y</u> <u>N</u>	DTW						
Water in Protector? <u>Y</u> <u>N</u>	TOS						
Damage? <u>Y</u> <u>N</u>							
Sample Containers:							
1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
125 ml NaOH							

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1240		28.6	8.1	6.55	6.54	-89.1	5.4	

Notes / Observations (color, odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER:

Jovany Estrada
Printed Name

Jovany Estrada
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Groundwater Sampling Data Sheet

Project #:	24225001.02	Sampling Method	Dedicated	1 75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	U21 304th	DTW	Meter:	CONTROL SETTINGS:				
Well ID:	LDCS-2B	TOS	MP-20	Refill	1 ft water = 0.62L		1L = 0.26 gallons	
Sample ID:	304-092425-15	Intake	YSL	Discharge	One Well Volume (liters)		Other	
Date:	9/24/25	BOS		Pressure	Total Volume Bailed (liters)		Flow Setting	
Weather:	Clear	Total Depth		Flow				
Filtered? Y ☒	Locked? Y ☒ N	Water in Protector? Y ☒ N	Damage? Y ☒ N					
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1220		23.4	1026	2.63	6.08	-84.5	14.2	

Notes / Observations (color, odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^{\circ}\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER:

Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #:	04225001.02	Sampling Method:	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site:	UP1 304th	DTW	Meter: CONTROL SETTINGS		1 ft water = 0.62L		1L = 0.26 gallons	
Well ID:	LBGS-3	TOS	MP-20		Refill	12	One Well Volume (liters)	Other
Sample ID:	301-092/25-16	Intake	YSL		Discharge	3		
Date:	9/24/25	BOS			Pressure	40	Total Volume Bailed (liters)	Flow Setting
Weather:	Clear	Total Depth			Flow	350 ml/min		
Filtered?	Y N	Locked?	Y N	Water in Protector?	Y N	Damage?	Y N	
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly				
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber				
	125 ml NaOH							

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol.
1300		23.7	989	1.61	6.14	-70.2	14.6	

Notes / Observations (color, odor, anomalies, etc.)

Sample collected from discharge. No water from dedicated pump.

LBGS 1vl range from 6.4c-11.89

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER Jovany Estrada
Printed Name

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2405 140th ave NE #107

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Groundwater Sampling Data Sheet

Project #:	04225001.02			Sampling Method	<u>Dedicated</u>	1 75" QED SamplePro	Bail	Peristaltic	<u>Grab</u>	Other	
Site	L2D 304th			Meter	CONTROL SETTINGS						
Well ID	LDCS-4A			MP-20	Refill	12	1 ft water = 0.62L	1L = 0.26 gallons			
Sample ID:	304-092425-17			<u>YSI</u>	Discharge	3	One Well Volume (liters)	Other			
Date:	9/24/25				Pressure	60	Total Volume Bailed (liters)	Flow Setting			
Weather	Sunny 75°F				Flow						
Filtered? Y <u>N</u>	Locked? Y <u>N</u>	Water in Protector? Y <u>N</u>	Damage? Y <u>N</u>								
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly							
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber							
	125 ml NaOH										

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1310		27.6	836	3.33	6.33	-139.4	0.55	

Notes / Observations (color, odor, anomalies, etc)

pushed CO₂ 1255-1305, No H₂O
Grab sample from SW discharge.

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER

Alex Des

Printed Name

Am

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Groundwater Sampling Data Sheet

Project #	04225001.02			Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site	112E 304th			Meter:	CONTROL SETTINGS:						
Well ID	LDCS-4B			MP-20	Refill	12	1 fl water = 0.62L		1L = 0.26 gallons		
Sample ID:	304-092425-18			Intake	Discharge	3	One Well Volume (liters)		Other		
Date:	9/24/25			BOS	Pressure	60	Total Volume Bailed (liters)		Flow Setting		
Weather:	Sunny 75°F			Total Depth	Flow						
Filtered? Y ☒	Locked? Y ☒	Water in Protector? Y ☒	Damage? Y ☒								
Sample Containers		1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
		500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
		125 ml NaOH									

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1245		29.5	882	4.29	6.35	-165.7	2.06	

Notes / Observations (color, odor, anomalies, etc):

Begin pushing CO₂ @ 1223.
1233 NO H₂O, take sample from SW discharge.

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Alex Desze
Printed Name

AMR
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SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04225001.02
 Site: RED 304th
 Well ID: LDLS-S
 Sample ID: 304-092425-19
 Date: 9/24/25
 Weather: Sunny 75°F

Sampling Method: Dedicated 1.75" QED SamplePro Bail Peristaltic Grab Other
 Meter: MP-20 YSI
 DTW TOS Intake BOS Total Depth
 Refill 12 Discharge 3 Pressure 40 Flow 200ml/min
 CONTROL SETTINGS 1 ft water = 0.62L 1L = 0.26 gallons
 One Well Volume (liters) Other Flow Setting
 Total Volume Bailed (liters)

Filtered? Y (N) Locked? Y (N) Water in Protector? Y (N) Damage? Y (N)
 Sample Containers 1000 ml Poly 500 ml Poly 250 ml Poly 125 ml Poly
 500 ml HNO3 x2 500 ml H2SO4 x2 40 ml VOA x3 x6 1000 ml Amber
 125 ml NaOH

TIME	DTW	Temp.	Sp Cond.	DO	pH	Eh	Turbidity	Q / Vol
1109		21.0	831	6.32	7.16	-80.4	4.22	
1114		22.8	841	2.88	6.38	-122.4	4.10	
1117		22.8	840	1.82	6.32	-166.7	4.11	
1120		23.3	854	0.84	6.34	-236.2	5.96	
1123		23.8	876	0.44	6.38	-250.5	9.76	
1126		24.2	869	0.31	6.38	-248.2	12.04	
1129		24.4	862	0.28	6.37	-241.5	12.93	

Notes / Observations (color, odor, anomalies, etc.)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER

Alex Desze
 Printed Name

Signature

AMN

SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

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Groundwater Sampling Data Sheet

Project #:	04225001.03		Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	LRS 304th		Meter	CONTROL SETTINGS					
Well ID	LDCS-96		MP-20	Refill	12	One Well Volume (liters)	Other		
Sample ID	304-092425-20		YSI	Discharge	3	Total Volume Bailed (liters)	Flow Setting		
Date	9/24/25		BOS	Pressure	40				
Weather	Sunny 70°F		Total Depth	Flow	~120 ml/min				
Filtered? Y ☒ N	Locked? Y ☒ N	Water in Protector? Y ☒ N	Damage? Y ☒ N						
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

TIME	DTW	Temp.	Sp Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1018		19.9	1110	7.38	7.76	-80.1	10.05	
1023		19.4	1109	~~7.77~~ 6.97	7.77	-96.3	9.04	
1026		20.1	1097	6.69	7.71	-98.4	5.23	
1029		21.6	1134	6.07	7.43	-94.5	7.14	
1032		21.8	1143	5.66	7.26	-93.0	5.57	
1035		22.2	1150	4.74	7.04	-148.7	3.98	
1038		22.4	1155	3.24	6.93	-210.9	4.50	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER:

Alex Deszo
Printed Name

AMQ
Signature

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Bellevue, WA 98005

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Groundwater Sampling Data Sheet

Project # 04225001.02
 Site LRI 304th
 Well ID: LDLS-7
 Sample ID: 304-092425-21
 Date: 9/24/25
 Weather: Clear

Sampling Method: Dedicated 1.75" QED SamplePro Bail Peristaltic Grab Other
 Meter: MP-20 YES
 DTW TOS Intake BOS Total Depth
 Refill 11.5
 Discharge 3.5
 Pressure 40
 Flow

CONTROL SETTINGS
 1 ft water = 0.62L 1L = 0.26 gallons
 One Well Volume (liters) Other
 Total Volume Bailed (liters) Flow Setting

Filtered? Y N Locked? Y N Water in Protector? Y N Damage? Y N
 Sample Containers: 1000 ml Poly 500 ml Poly 250 ml Poly 125 ml Poly
 500 ml HNO3 x2 500 ml H2SO4 x2 40 ml VOA x3 x6 1000 ml Amber
 125 ml NaOH

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
0959		21.1	794	0.97	6.65	175.2	3.0	
1004		23.8	835	0.68	6.70	22.2	3.2	
1007		25.9	840	0.61	6.70	-20.2	4.4	
1010		27.6	849	0.57	5.95	-41.8	5.7	
1013		28.1	844	0.54	5.93	-44.6	7.4	
1016		28.3	889	0.52	5.95	-50.4	8.7	
1019		28.5	838	0.52	5.95	-52.3	9.2	

Notes / Observations (color, odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER

Jovany Estrada
 Printed Name

Jovany Estrada
 Signature

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Bellevue, WA 98005

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Groundwater Sampling Data Sheet

Project #	01225001.02			Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	LDI 304th			Meter	CONTROL SETTINGS			1 ft water = 0.62L 1L = 0.26 gallons		
Well ID	LDOS-8			MP-20	Refill	One Well Volume			Other	
Sample ID	304-092425-22			YSI	Discharge	(liters)			Flow	
Date	9/24/25				Pressure	Total Volume Bailed			Setting	
Weather	Sunny 61°F				Flow	(liters)				
Filtered? Y	N	Locked? Y	N	Water in Protector? Y	N	Damage? Y	N			
Sample Containers:	1000 ml Poly		500 ml Poly	250 ml Poly	125 ml Poly					
	500 ml HNO3 x2		500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH									

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1000		26.8	1064	2.30	6.14	-120.2	0.63	

Notes / Observations (color, odor, anomalies, etc):

Sample taken from SW discharge.

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deszo
Printed Name

AMD
Signature

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Groundwater Sampling Data Sheet

Project #:	04225001.02		Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	<u>Grab</u>	Other
Site	12C 304th		Meter:	CONTROL SETTINGS					
Well ID	1005-9BC		MP-20	1 ft water = 0.62L 1L = 0.26 gallons					
Sample ID:	304-092425-23		YSI	Refill	One Well Volume (liters)		Other		
Date	9/24/25			Discharge	Total Volume Bailed (liters)		Flow Setting		
Weather:	Clear 55°F			Pressure					
Filtered? Y <u>N</u>	Locked? Y <u>N</u>	Water in Protector? Y <u>N</u>	Damage? Y <u>N</u>	Flow					
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
0915								
1200		24.0	818	2.28	6.15	-76.8	0.95	

Notes / Observations (color, odor, anomalies, etc)

Taken from new 9C Vault

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deszo
Printed Name

AUD
Signature

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Groundwater Sampling Data Sheet

Project #:	09225001.02			Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	Grab	Other
Site	LRF 304th			Meter	CONTROL SETTINGS					
Well ID:	Leachate Cell 6			MP-20	Refill	1 ft water = 0.62L		1L = 0.26 gallons		
Sample ID:	304-092425-24			YSI	Discharge	One Well Volume (liters)		Other		
Date	9/24/25			BOS	Pressure	Total Volume Bailed (liters)		Flow Setting		
Weather:	Sunny 75°F			Total Depth	Flow					
Filtered? Y ☒ N	Locked? Y ☒ N	Water in Protector? Y ☒ N	Damage? Y ☒ N							
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1330		37.5	34,555	1.30	7.82	-208.2	115.58	

Notes / Observations (color odor, anomalies etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb $\pm 10\%$ or ≤ 5

SAMPLER: Alex Deszo
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #:	0422500/.07			Sampling Method	Dedicated	1 75" QED SamplePro	Bail	Peristaltic	<u>Grab</u>	Other
Site	LRI 304th			Meter	CONTROL SETTINGS		1 ft water = 0.62L		1L = 0.26 gallons	
Well ID:	Leachate, Cell 7			MP-20	Refill	One Well Volume (liters)		Other		
Sample ID:	304-p92425-26-29			<u>YSI</u>	Discharge	Total Volume Bailed (liters)		Flow Setting		
Date:	9/24/25				Pressure					
Weather:	Clear				Flow					
Filtered?	Y <u>N</u>	Locked?	Y <u>N</u>	Water in Protector?	Y <u>N</u>	Damage?	Y <u>N</u>			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber						
	125 ml NaOH									

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol
1045		23.5	24250	1.91	7.63	-121.9	530.9	

Notes / Observations (color, odor, anomalies, etc):

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER: Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #:	0422SC001.02		Sampling Method	Dedicated	1.75" QED SamplePro	Bail	Peristaltic	☒ Grab	Other
Site	LEI 304th		Meter:	CONTROL SETTINGS					
Well ID:	Leachate, Cell 2		MP-20	1 ft water = 0.62L		1L = 0.26 gallons			
Sample ID:	304-092425-26		Intake	Refill	One Well Volume (liters)		Other		
Date:	9/24/25		BOS	Discharge	Total Volume Bailed (liters)		Flow Setting		
Weather:	Sunny 75°F		Total Depth	Pressure					
Filtered? Y ☒	Locked? Y ☒	Water in Protector? Y ☒	Damage? Y ☒	Flow					
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly						
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber					
	125 ml NaOH								

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol
1400		36.4	25,667	0.89	7.76	-313.9	716	

Notes / Observations (color, odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER Alex Deszo
Printed Name

AMS
Signature

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Groundwater Sampling Data Sheet

Project #:	04225001.02			Sampling Method:	Dedicated	1 75" QED SamplePro	Bail	Peristaltic	Grab	Other	
Site:	LRI 304th			Meter:	CONTROL SETTINGS:						
Well ID:	leachate, Cell 9			MP-20	1 ft water = 0.62L 1L = 0.26 gallons						
Sample ID:	304-042425-27			YSI	Refill	One Well Volume (liters)		Other			
Date:	9/24/25				Discharge	Total Volume Bailed (liters)		Flow Setting			
Weather:	Sunny 77°F				Pressure						
Filtered? Y (N)	Locked? Y (N)	Water in Protector? Y (N)	Damage? Y (N)								
Sample Containers	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly							
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber							
	125 ml NaOH										

TIME	DTW	Temp	Sp Cond	DO	pH	Eh	Turbidity	Q / Vol.
1430		32.3	22585	3.50	7.51	-147.4	443	

Notes / Observations (color, odor, anomalies, etc)

Stabilization Parameters: pH/DO ± 0.2 , SpC $\pm 10\%$, Temp $\pm 0.5^\circ\text{C}$, Turb. $\pm 10\%$ or ≤ 5

SAMPLER

Alex Reszo
Printed Name

Signature

Alex

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	9/23/25					
Time	0933					
Weather (sky or precip, temp)	Sunny 70°F					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1221	4.05	7.04	9.2	/	
Post Cal Reading	1413	4.06	7.00	8.5	/	
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	AMN					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	304th office					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	1/24/25					
Time	0840					
Weather (sky or precip, temp)	Clear					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1342	4.12	7.04	9.18		
Post Cal Reading	1413	4.00	7.00	8.50		
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	parking lot					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	9/23/25					
Time	0930					
Weather (sky or precip, temp)						
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1438	4.02	6.95	7.85		
Post Cal Reading	1413	4.00	7.00	8.50		
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	parking lot					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	9/24/25					
Time	0838					
Weather (sky or precip, temp)	Clear 55°F					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 100, 20, <0.1	800,
Pre-Cal Reading	1621	3.94	7.09	8.79	/	
Post Cal Reading	1413	4.00	7.00	8.5	/	
Discrepancy	NO					
Calib. Successful?	Yes					
Calibration by	AMG					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental			YSI Pro DDS / HACH2000		
Calibration Location	Cell 9C Access					

* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)



Attachment D

Statistical Calculations



Statistical Summary of Total Metals and Nitrate Groundwater Data Appendix I Parameters, Third Quarter 2025

Location ID	Antimony (Sb)			Arsenic (As)			Barium (Ba)			Beryllium (Be)			Cadmium (Cd)			Chromium (Cr)			Cobalt (Co)			Copper (Cu)			Lead (Pb)			Nickel (Ni)			Selenium (Se)			Silver (Ag)			Thallium (Tl)			Vanadium (V)			Zinc (Zn)			Nitrate (NO ₃)		
Monitoring Date	Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.				
MW-1	3/24/2014	0.002	L	0.001	0.005	L	0.0025	0.022	0.022	0.001	L	0.0005	0.005	L	0.0025	0.002	L	0.001	0.01	L	0.005	0.002	L	0.001	0.001	L	0.0005	0.002	L	0.001	0.005	L	0.0025	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.01	L	0.005	0.5	L	0.25
	6/24/2014	0.002	L	0.001	0.005	L	0.0025	0.02	0.02	0.001	L	0.0005	0.005	L	0.0025	0.002	L	0.001	0.01	L	0.005	0.002	L	0.001	0.001	L	0.0005	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.5	L	0.25
	9/17/2014	0.05	L	0.025	0.005	L	0.0025	0.024	0.024	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.02	0.02	0.5	L	0.25	
	12/16/2014	0.05	L	0.025	0.005	L	0.0025	0.03	0.03	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.032	0.032	0.5	L	0.25				
	3/23/2015	0.05	L	0.025	0.005	L	0.0025	0.02	0.02	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	6/8/2015	0.05	L	0.025	0.005	L	0.0025	0.022	0.022	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	9/16/2015	0.05	L	0.025	0.005	L	0.0025	0.021	0.021	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	12/14/2015	0.05	L	0.025	0.005	L	0.0025	0.024	0.024	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	Number Analyzed	8			8			8		8			8			8			8			8			8			8			8			8			8			8			8					
	Number Detected	0			0			8		0			0			0			0			0			0			0			0			0			2			0								
	Minimum Concentration			0.001			0.0025		0.02			0.0005			0.0005			0.0005			0.0005			0.001			0.0005			0.001			0.0025			0.0005			0.0025			0.005		0.25				
	Maximum Concentration			0.025			0.0025		0.03			0.0025			0.0025			0.0025			0.005			0.005			0.001			0.005			0.0025			0.005			0.032			0.25						
	Average Concentration			NC			NC		0.02288			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Variance			NC			NC		1.1E-05			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Standard Deviation			NC			NC		0.0033			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Coefficient of Variation (%)			NC			NC		14.2974			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Standard Error			NC			NC		0.00116			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
MW-2	3/24/2014	0.002	L	0.001	0.005	L	0.0025	0.014	0.014	0.001	L	0.0005	0.005	L	0.0025	0.002	L	0.001	0.01	L	0.005	0.002	L	0.001	0.001	L	0.0005	0.002	L	0.001	0.005	L	0.0025	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.01	L	0.005	0.5	L	0.25
	6/26/2014	0.002	L	0.001	0.005	L	0.0025	0.015	0.015	0.001	L	0.0005	0.005	L	0.0025	0.002	L	0.001	0.01	L	0.005	0.002	L	0.001	0.001	L	0.0005	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.5	L	0.25
	9/16/2014	0.05	L	0.025	0.005	L	0.0025	0.018	0.018	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25
	12/16/2014	0.05	L	0.025	0.005	L	0.0025	0.014	0.014	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	3/23/2015	0.05	L	0.025	0.005	L	0.0025	0.012	0.012	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	6/8/2015	0.05	L	0.025	0.005	L	0.0025	0.013	0.013	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	9/16/2015	0.05	L	0.025	0.005	L	0.0025	0.013	0.013	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	12/14/2015	0.05	L	0.025	0.005	L	0.0025	0.014	0.014	0.001	L	0.0005	0.001	L	0.0005	0.005	L	0.0025	0.001	L	0.0005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25			
	Number Analyzed	8			8			8		8			8			8			8			8			8			8			8			8			8			8			8					
	Number Detected	0			0			8		0			0			0			0			0			0			0			0			0			0			0			0					
	Minimum Concentration			0.001			0.0025		0.012			0.0005			0.0005			0.0005			0.0005			0.001			0.0005			0.001			0.0025			0.0005			0.0025			0.005		0.25				
	Maximum Concentration			0.025			0.0025		0.018			0.0025			0.0025			0.005			0.005			0.005			0.001			0.005			0.0025			0.005			0.0025			0.005		0.25				
	Average Concentration			NC			NC		0.01413			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Variance			NC			NC		3.3E-06			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Standard Deviation			NC			NC		0.00181			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Coefficient of Variation (%)			NC			NC		12.798			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
	Standard Error			NC			NC		0.00064			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC			NC						
MW-3	3/26/2014	0.002	L	0.001	0.005	L	0.0025	0.014	0.014	0.001	L	0.0005	0.005	L	0.0025	0.002	L	0.001	0.01	L	0.005	0.002	L	0.001	0.001	L	0.0005	0.002	L	0.001	0.005	L	0.0025	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.01	L	0.005	0.5	L	0.25
	6/25/2014	0.002	L	0.001	0.005	L	0.0025	0.011	0.011	0.001	L	0.0005	0.005	L	0.0025	0.002	L	0.001	0.01	L	0.005	0.002	L	0.001	0.001	L	0.0005	0.005	L	0.0025	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.001	L	0.0005	0.01	L	0.005	0.5	L	0.25
	9/17/2014	0.05	L	0.025	0.005	L	0.0025	0.01	0.01	0.005	L	0.0025	0.005	L	0.0025	0.005	L	0.0025	0.01	L	0.005	0.002	L	0.001	0.02	L	0.01	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.005	L	0.0025	0.01	L	0.005	0.5	L	0.25
	12/16/2014	0.05																																														

Statistical Summary of Total Metals and Nitrate Groundwater Data
Appendix I Parameters, Third Quarter 2025

Location ID	Antimony (Sb)			Arsenic (As)		Barium (Ba)		Beryllium (Be)			Cadmium (Cd)		Chromium (Cr)			Cobalt (Co)			Copper (Cu)			Lead (Pb)			Nickel (Ni)			Selenium (Se)			Silver (Ag)			Thallium (Tl)			Vanadium (V)			Zinc (Zn)			Nitrate (NO ₃)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Monitoring Date	Result		Conc.	Result	Conc.	Result	Conc.	Result		Conc.	Result	Conc.	Result		Conc.	Result	Conc.	Result		Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
MW-5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Statistical Summary of Total Metals and Nitrate Groundwater Data Appendix I Parameters, Third Quarter 2025

Location ID	Antimony (Sb)			Arsenic (As)			Barium (Ba)			Beryllium (Be)			Cadmium (Cd)			Chromium (Cr)			Cobalt (Co)			Copper (Cu)			Lead (Pb)			Nickel (Ni)			Selenium (Se)			Silver (Ag)			Thallium (Tl)			Vanadium (V)			Zinc (Zn)			Nitrate (NO ₃)					
Monitoring Date	Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.		Result	Conc.							
MW-9	3/25/2014	0.002	L 0.001	0.005	L 0.0025		0.0047	0.0047		0.001	L 0.0005		0.005	L 0.0025		0.002	L 0.001		0.01	L 0.005		0.002	L 0.001		0.001	L 0.0005		0.002	L 0.001		0.005	L 0.0025		0.01	L 0.005		0.001	L 0.0005		0.016	0.016		0.01	0.01		0.5	L 0.25		0.5	L 0.25	
	6/24/2014	0.002	L 0.001	0.005	L 0.0025		0.0045	0.0045		0.001	L 0.0005		0.005	L 0.0025		0.002	L 0.001		0.01	L 0.005		0.002	L 0.001		0.001	L 0.0005		0.002	L 0.001		0.005	L 0.0025		0.01	L 0.005		0.001	L 0.0005		0.016	0.016		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	9/18/2014	0.002	L 0.001	0.005	L 0.0025		0.0057	0.0057		0.001	L 0.0005		0.005	L 0.0025		0.002	L 0.001		0.01	L 0.005		0.002	L 0.001		0.001	L 0.0005		0.002	L 0.001		0.005	L 0.0025		0.01	L 0.005		0.001	L 0.0005		0.014	0.014		0.014	0.014		0.5	L 0.25		0.5	L 0.25	
	12/17/2014	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	3/24/2015	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.013	0.013		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	6/9/2015	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	9/18/2015	0.05	L 0.025	0.005	L 0.0025		0.005	0.005		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	12/16/2015	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.042	0.042		0.5	L 0.25		0.5	L 0.25	
	3/22/2016	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.028	0.028		0.5	L 0.25		0.5	L 0.25	
	6/8/2016	0.05	L 0.025	0.005	L 0.0025		0.005	0.005		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.023	0.023		0.5	L 0.25		0.5	L 0.25	
	9/16/2016	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.015	0.015		0.043	0.043		0.5	L 0.25		0.5	L 0.25	
	12/6/2016	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	3/29/2017	0.05	L 0.025	0.005	L 0.0025		0.0056	0.0056		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	6/22/2017	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	9/26/2017	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.012	0.012		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	12/13/2017	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.013	0.013		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	3/21/2018	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.016	0.016		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	6/19/2018	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.013	0.013		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	9/19/2018	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.013	0.013		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	12/4/2018	0.05	L 0.025	0.005	L 0.0025		0.0051	0.0051		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	3/11/2019	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	6/19/2019	0.05	L 0.025	0.005	L 0.0025		0.0051	0.0051		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.013	0.013		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	9/26/2019	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	12/11/2019	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.016	0.016		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	3/17/2020	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.015	0.015		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	6/8/2020	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.014	0.014		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	9/22/2020	0.05	L 0.025	0.005	L 0.0025		0.005	L 0.0025		0.001	L 0.0005		0.001	L 0.0005		0.005	L 0.0025		0.001	L 0.0005		0.01	L 0.005		0.002	L 0.001		0.02	L 0.01		0.005	L 0.0025		0.005	L 0.0025		0.005	L 0.0025		0.016	0.016		0.01	L 0.005		0.5	L 0.25		0.5	L 0.25	
	12/16/2020																																																		

Statistical Summary of Total Metals and Nitrate Groundwater Data Appendix I Parameters, Third Quarter 2025

Location ID	Antimony (Sb)		Arsenic (As)		Barium (Ba)		Beryllium (Be)		Cadmium (Cd)		Chromium (Cr)		Cobalt (Co)		Copper (Cu)		Lead (Pb)		Nickel (Ni)		Selenium (Se)		Silver (Ag)		Thallium (Tl)		Vanadium (V)		Zinc (Zn)		Nitrate (NO ₃)	
Monitoring Date	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.
MW-10																																
3/25/2014	0.002	L 0.001	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.005	L 0.0025	0.002	L 0.001	0.01	L 0.005	0.002	L 0.001	0.001	L 0.0005	0.002	L 0.001	0.005	L 0.0025	0.01	L 0.005	0.001	L 0.0005	0.01	L 0.005	0.001	L 0.005	6.4	6.4
6/25/2014	0.002	L 0.001	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.005	L 0.0025	0.002	L 0.001	0.01	L 0.005	0.002	L 0.001	0.001	L 0.0005	0.002	L 0.001	0.005	L 0.0025	0.01	L 0.005	0.001	L 0.0005	0.01	L 0.005	0.01	0.01	5.8	5.8
9/16/2014	0.05	L 0.025	0.005	L 0.0025	0.015	0.015	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.01	L 0.005	0.005	L 0.0025	0.01	L 0.005	0.011	0.011	5.4	5.4
12/17/2014	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.3	5.3
3/25/2015	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.9	5.9
6/8/2015	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.7	5.7
9/15/2015	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.1	5.1
12/16/2015	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.9	4.9
3/21/2016	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.9	5.9
6/6/2016	0.05	L 0.025	0.005	L 0.0025	0.012	0.012	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.9	5.9
9/15/2016	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.4	5.4
12/6/2016	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.2	5.2
3/29/2017	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.8	5.8
6/19/2017	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.5	5.5
9/26/2017	0.05	L 0.025	0.005	L 0.0025	0.012	0.012	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.2	5.2
12/12/2017	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.9	4.9
3/20/2018	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.3	5.3
6/18/2018	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	5.0	5.0
9/18/2018	0.05	L 0.025	0.005	L 0.0025	0.016	0.016	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.7	4.7
12/4/2018	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.3	4.3
3/12/2019	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.4	4.4
6/17/2019	0.05	L 0.025	0.005	L 0.0025	0.015	0.015	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.7	4.7
9/25/2019	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	4.2	4.2
12/11/2019	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	3.9	3.9
3/17/2020	0.05	L 0.025	0.005	L 0.0025	0.015	0.015	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.034	0.034	3.7	3.7
6/9/2020	0.05	L 0.025	0.005	L 0.0025	0.016	0.016	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	3.7	3.7
9/22/2020	0.05	L 0.025	0.005	L 0.0025	0.015	0.015	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.011	0.011	3.4	3.4
12/16/2020	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	3.2	3.2
3/9/2021	0.05	L 0.025	0.005	L 0.0025	0.015	0.015	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	3.2	3.2
6/15/2021	0.05	L 0.025	0.005	L 0.0025	0.013	0.013	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.01	L 0.005	2.5	2.5
9/15/2021	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.011	0.011	2.9	2.9
12/15/2021	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.011	0.011	3.0	3.0
3/30/2022	0.05	L 0.025	0.005	L 0.0025	0.015	0.015	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L 0.001	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.013	0.013	3.0	3.0
6/15/2022	0.05	L 0.025	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	L 0.005	0.002	L														

Notes: Metals results are for total metals.
mg/L = milligrams per liter.
L = not reported at or above the MRL (Method Reporting Limit).
One-half the MRL value used for statistical calculations when concentrations not reported at or above the MRL.
NC = not calculated due to insufficient number of reported detections.

Groundwater Prediction Limits (mg/L)
Appendix I Parameters, Third Quarter 2025
LRI Landfill, Pierce County, Washington

	MRL (typical)	Prediction Limit	MW-1/ MW-1A	MW-2/ MW-2A	MW-3	MW-4	MW-5/ MW-5A	MW-6	MW-7	MW-9	MW-10
Antimony	0.050	0.050 L	0.050 L	0.050 L	0.050 L	0.050 L	0.050 L	0.050 L	0.050 L	0.050 L	0.050 L
Arsenic	0.005	0.011	0.005 L	0.005 L	0.005 L	0.011	0.008	0.008	0.006	0.005 L	0.005 L
Barium	0.005	0.091	0.030	0.018	0.015	0.091	0.036	0.014	0.016	0.0057	0.017
Beryllium	0.005	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.001 L	0.005 L	0.001 L	0.005 L
Cadmium	0.005	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L
Chromium	0.005	0.011	0.005 L	0.005 L	0.005 L	0.011	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L
Cobalt	0.010	0.010 L	0.010 L	0.010 L	0.010 L	0.004	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L
Copper	0.010	0.063	0.010 L	0.010 L	0.010 L	0.063	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L
Lead	0.002	0.042	0.002 L	0.002 L	0.002 L	0.042	0.002 L	0.002 L	0.002 L	0.002 L	0.002 L
Nickel	0.020	0.020 L	0.020 L	0.020 L	0.020 L	0.020 L	0.020 L	0.020 L	0.020 L	0.020 L	0.020 L
Selenium	0.005	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L
Silver	0.010	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L	0.010 L
Thallium	0.005	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L	0.005 L
Vanadium	0.010	0.017	0.010 L	0.010 L	0.010 L	0.014	0.010 L	0.010 L	0.010 L	0.017	0.010 L
Zinc	0.01	0.290	0.032	0.010 L	0.010 L	0.290	0.010 L	0.010 L	0.010 L	0.043	0.034
Nitrate as Nitrogen	0.50	6.40	0.500 L	0.500 L	0.500 L	0.500 L	0.500 L	0.500 L	0.500 L	0.500 L	6.40

Notes:

Prediction Limits are shown in bold.

Prediction Limits for metals are for total metals.

L = not reported at or above the MRL (Method Reporting Limit).

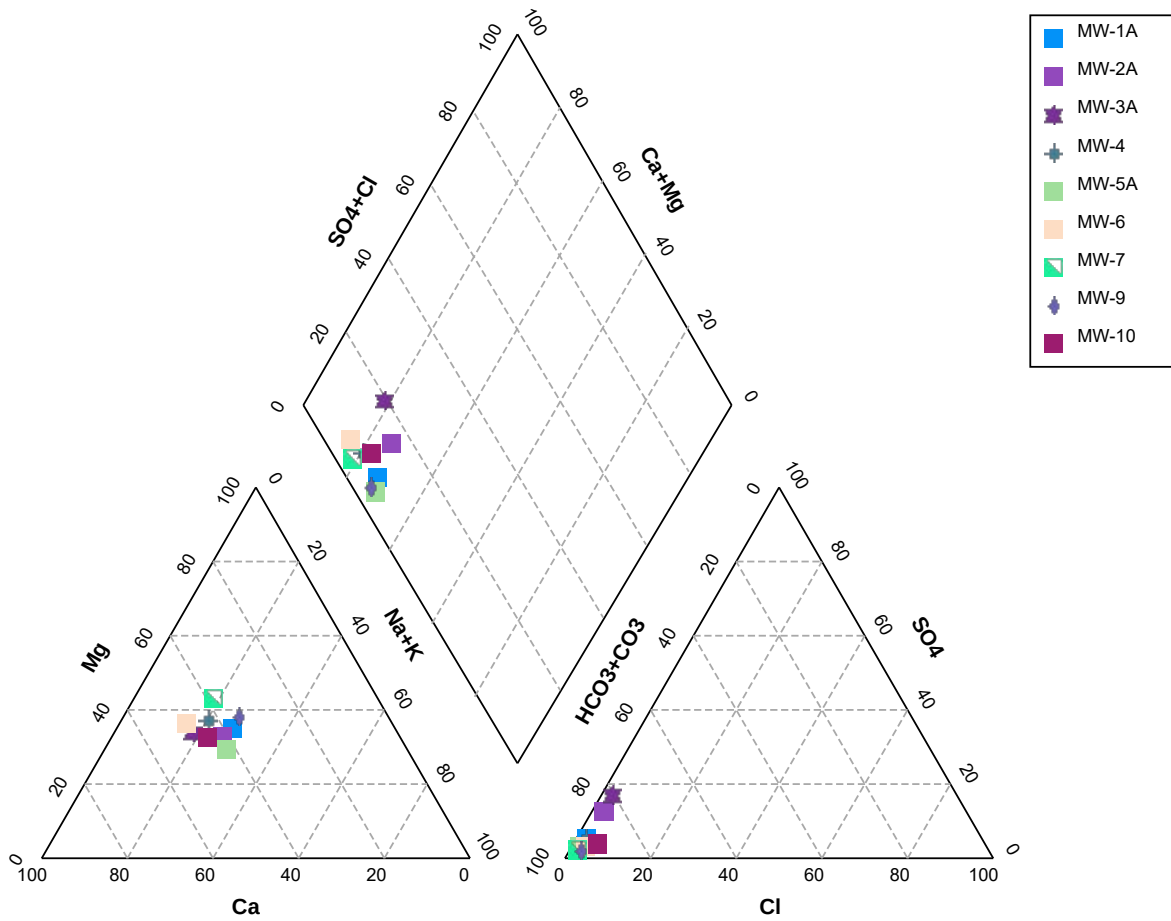
mg/L = milligrams per liter.

Attachment E

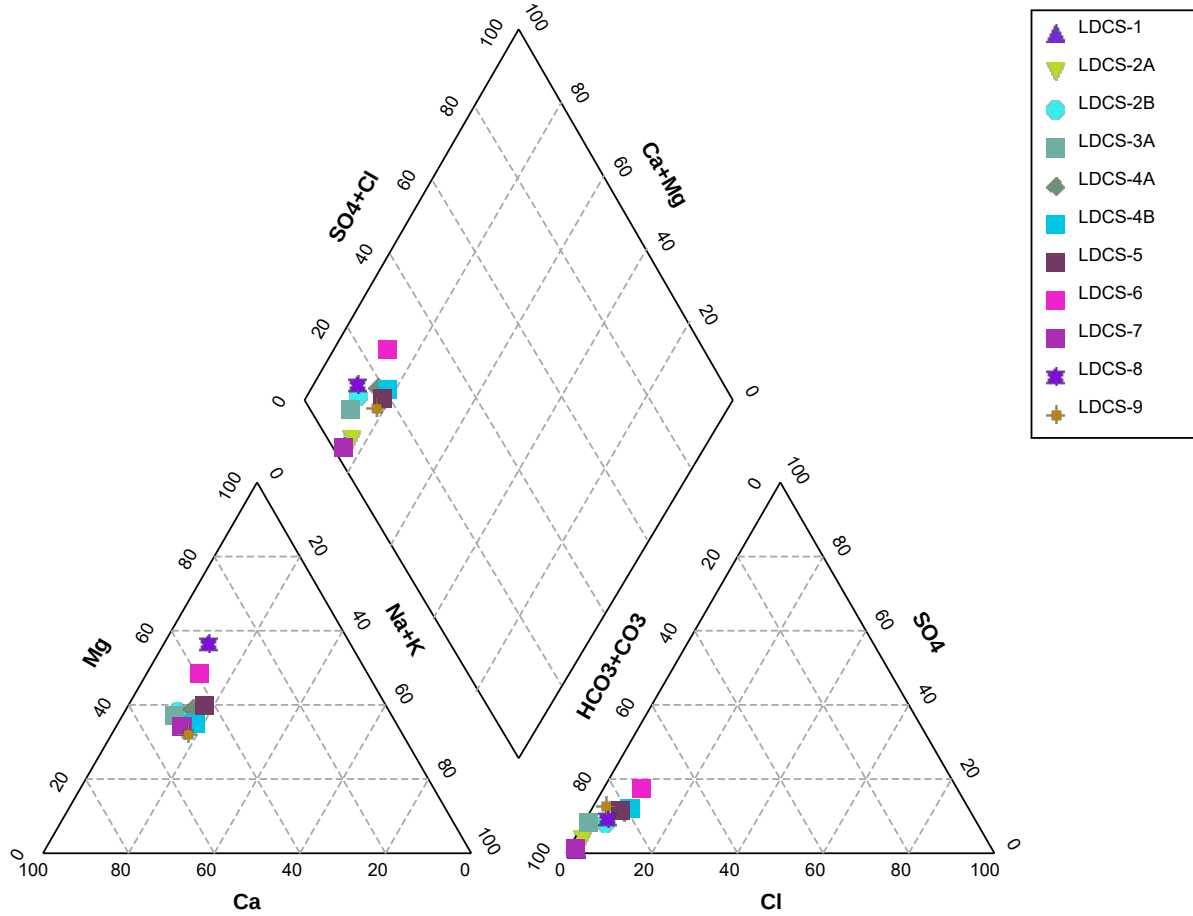
Trilinear Diagrams



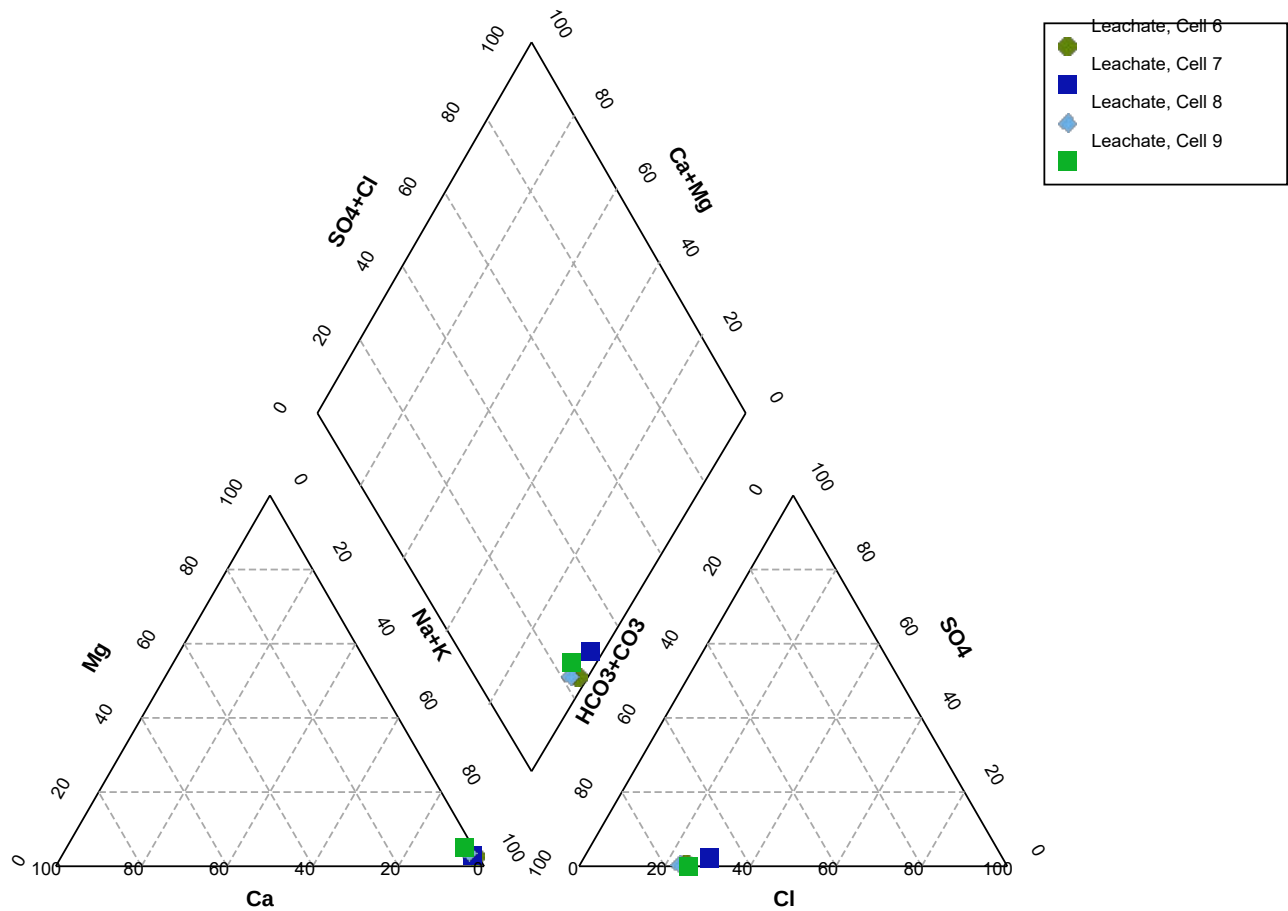
25Q3 MW Piper



25Q3 LDCS Piper



25Q3 Leachate Piper



Attachment F

Analytical Data Validation Report



THIRD QTR. 2025 DATA VALIDATION REPORT – LRI LANDFILL

Project Details

Project No.	04225001.02	Site Name	LRI 304 th Street LF
Data Validator	Jovany Estrada	Data Level	Level 2
Date	10/6/2025	DV Tier	Tier 1
QA Document	LRI Landfill Groundwater Monitoring Plan, March 10, 2014		

Sample Login Summary

Sample Group	Sample Login Comments	Analytical Lab (Primary)
280-213867-1	No Comment.	Eurofins, Denver CO
280-215086-1	No Comment.	Eurofins, Denver CO
280-213967-1	No Comment.	Eurofins, Denver CO
280-213947-1	No Comment.	Eurofins, Denver CO

Analytical Summary

Sample Group	Analyses					
	TDS/Alk/NO3	Metals	NH3/TOC	VOCs	Anions	TSS
280-213867-1	X	X	X	X	X	X
280-215086-1	X	X	X	X	X	-
280-213967-1	X	X	X	X	X	-
280-213947-1	X	X	X	X	X	-

Notes:

1. Dissolved metals analysis performed (field filtered)
2. Dissolved and Total metals analysis performed
3. Total Metals analysis performed

Laboratory Quality Assurance Samples

Lab QA Samples	Results	Comments
Method Blank	Acceptable.	See case narratives
LCS/LCSD	Acceptable.	See case narratives.
MS/MSD	Acceptable	See case narratives.
Metals	Acceptable.	See case narratives.
Duplicates	Acceptable.	See case narratives.
Organics	Acceptable.	See case narratives.



Lab QA Samples	Results	Comments
General Chemistry	Acceptable.	See case narratives.
General Comments	Acceptable.	See case narratives.

Field Quality Assurance Samples

Field QA Samples	Sample Group	Analytes	Notes
QC-FB	280-213867-1	None.	

Lab Quality Flags

Flag	Sample Groups	Comments
^+	280-213867-1	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
J	280-213867-1, 280-213947-1, 280-215086-1, 280-213967-1	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	280-213867-1, 280-213947-1, 280-215086-1, 280-213967-1	MS and/or MSD recovery exceeds control limits.
F2	280-215086-1	MS/MSD RPD exceeds control limits.
4	280-215086-1, 280-213967-1	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	280-215086-1	Result exceeded calibration range.
H	280-215086-1, 280-213967-1	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
B	280-213947-1	Compound was found in the blank and sample.

Duplicate Evaluation

Analyte	Units	MW-7 (304-092325-07)	MW-7 DUP (304-092325-08)	RPD (%)
Alkalinity, Total	mg/L	170	170	0.00
Ammonia	mg/L	0.18	0.2	10.53
Arsenic, Total	mg/L	0.0065	0.0059	9.68
Barium, Total	mg/L	0.015	0.016	6.45
Calcium, Dissolved	mg/L	28	28	0.00
Chloride	mg/L	2.8	2.7	3.64
Magnesium, Dissolved	mg/L	19	19	0.00
Manganese, Dissolved	mg/L	0.22	0.22	0.00
Potassium, Dissolved	mg/L	6.1	6.1	0.00

Analyte	Units	MW-7 (304-092325-07)	MW-7 DUP (304-092325-08)	RPD (%)
Sodium, Dissolved	mg/L	12	12	0.00
Sulfate	mg/L	4.5	4.5	0.00
Total Dissolved Solids	mg/L	210	210	0.00

U = Non-detection. Reporting limit (RL) used for calculation of RPD when necessary.

Additional Data Flags

Flag	Description
U	Not detected above the method reporting limit.

Qualified Data and Usability

Lab qualifiers are noted. All data, as qualified, are acceptable for use.

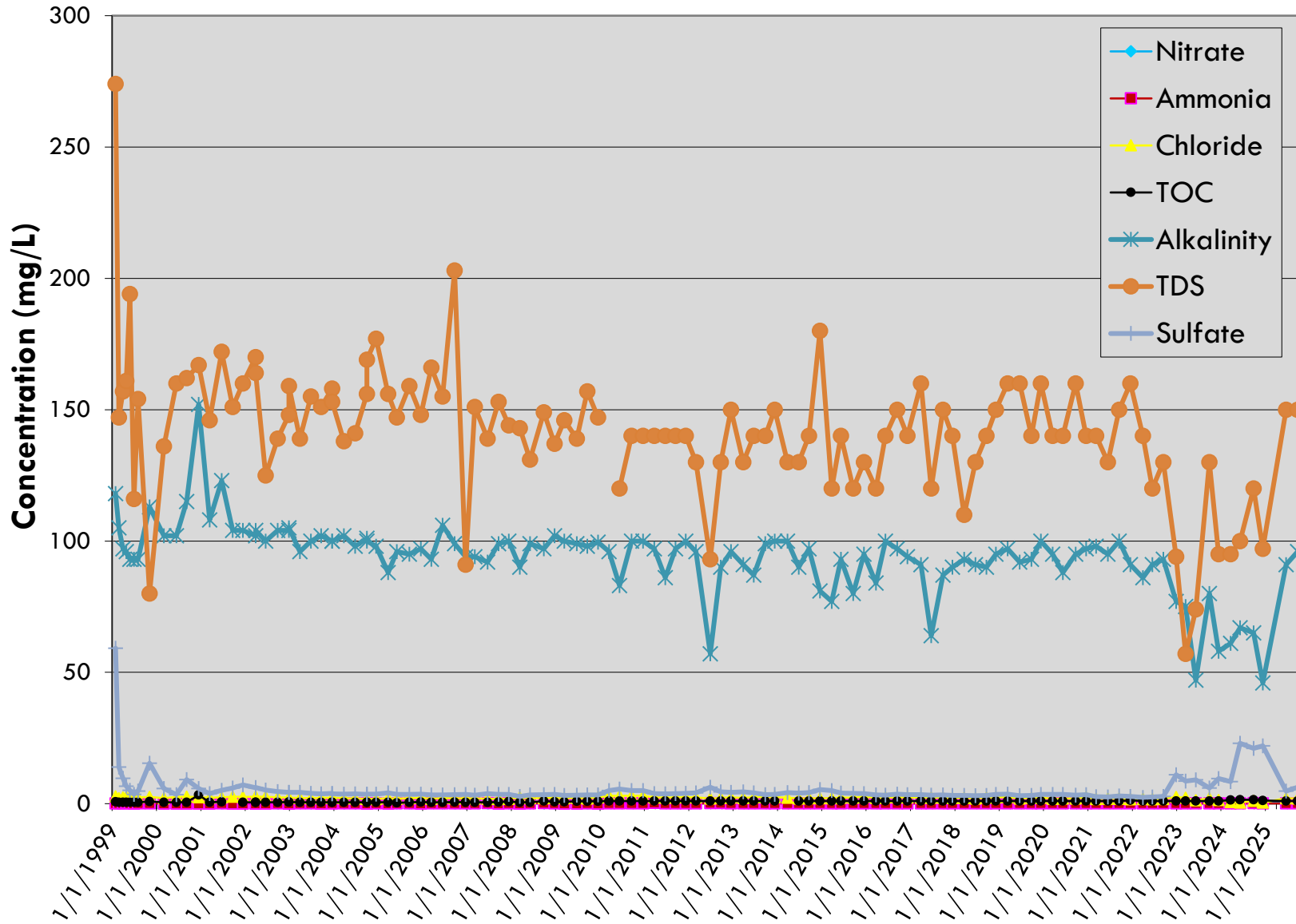
Attachment G

Groundwater and LDCS Time Trend Plots



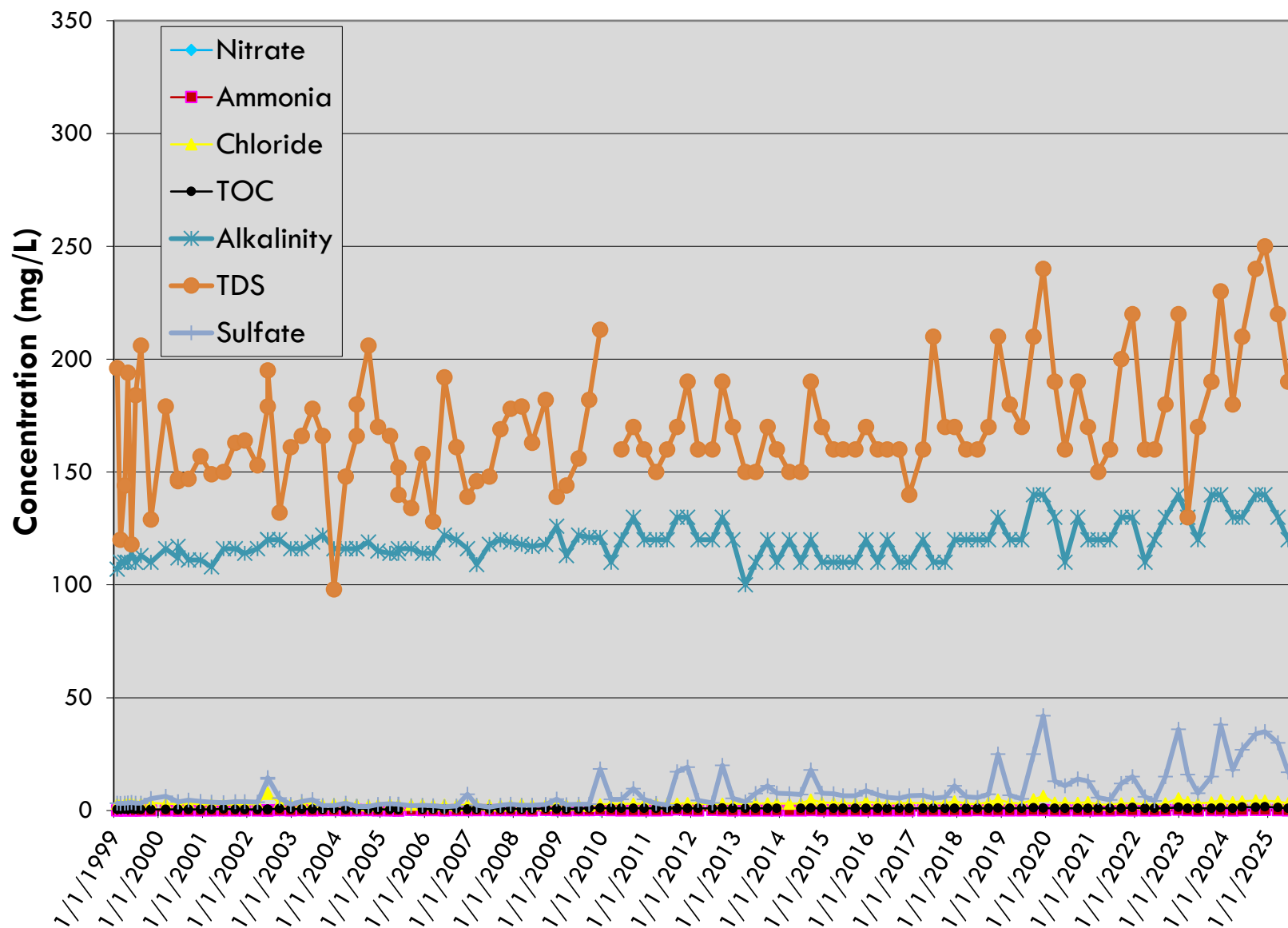
MW-1A

LRI Landfill, Pierce County, Washington



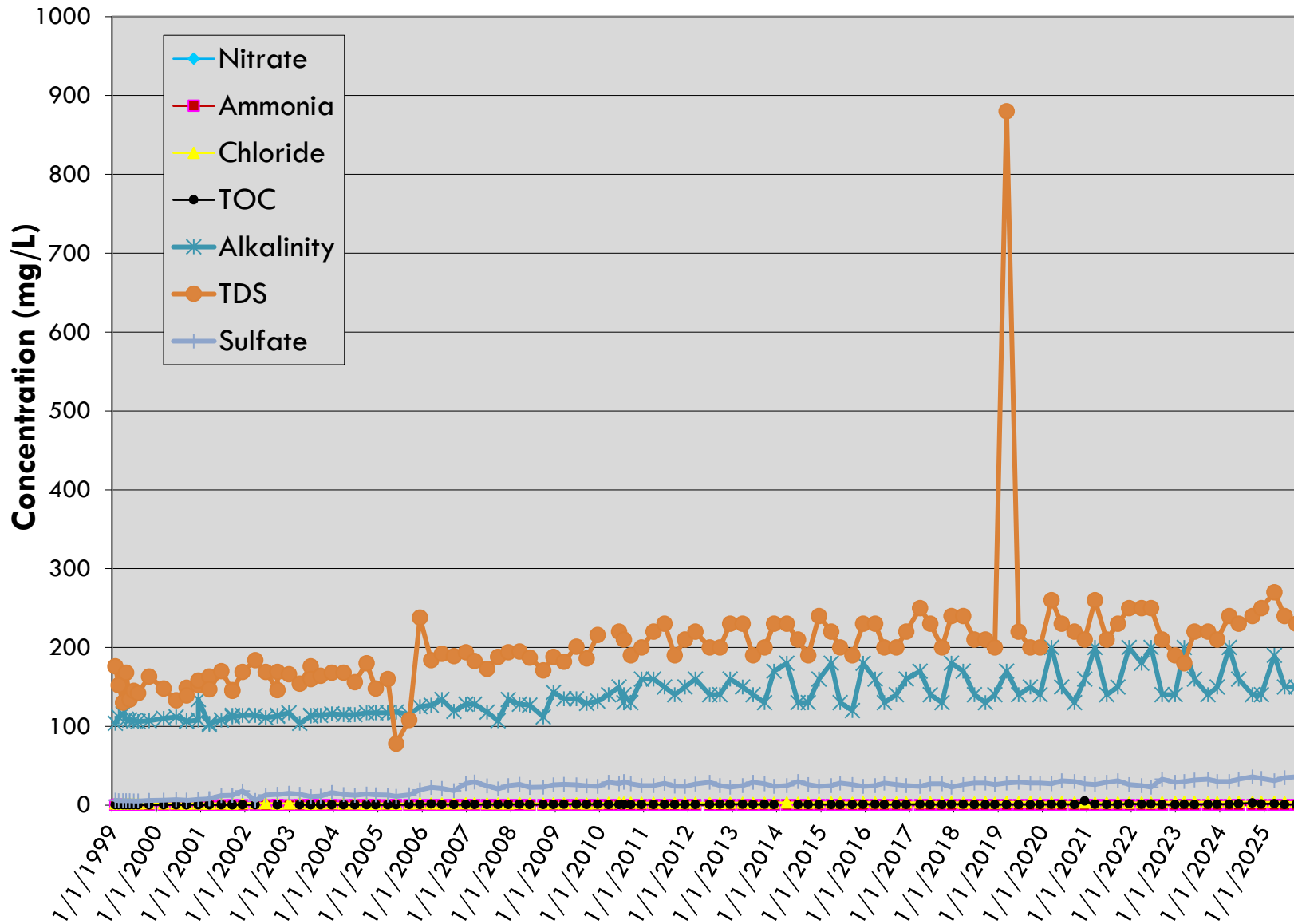
MW-2A

LRI Landfill, Pierce County, Washington



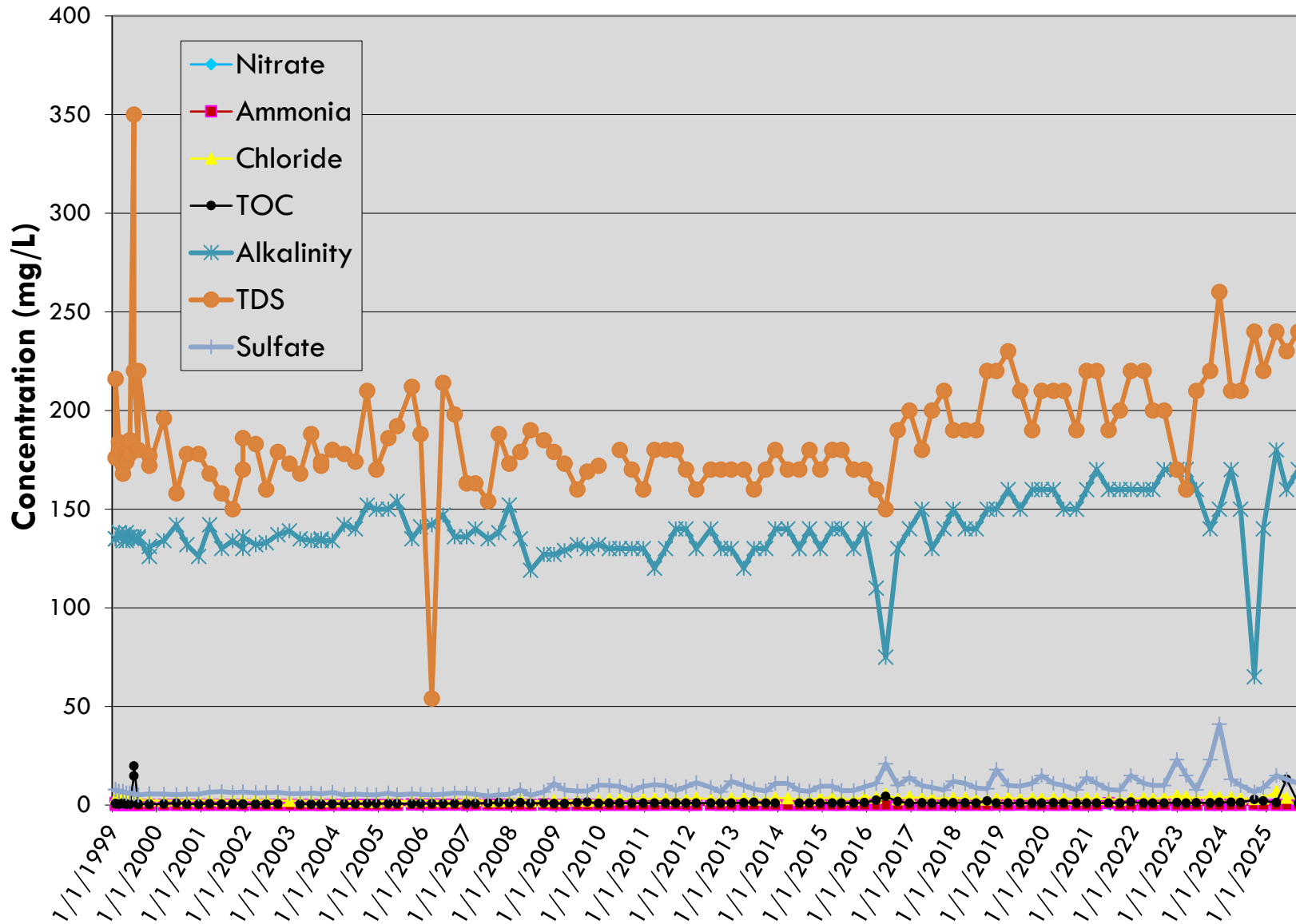
MW-3

LRI Landfill, Pierce County, Washington



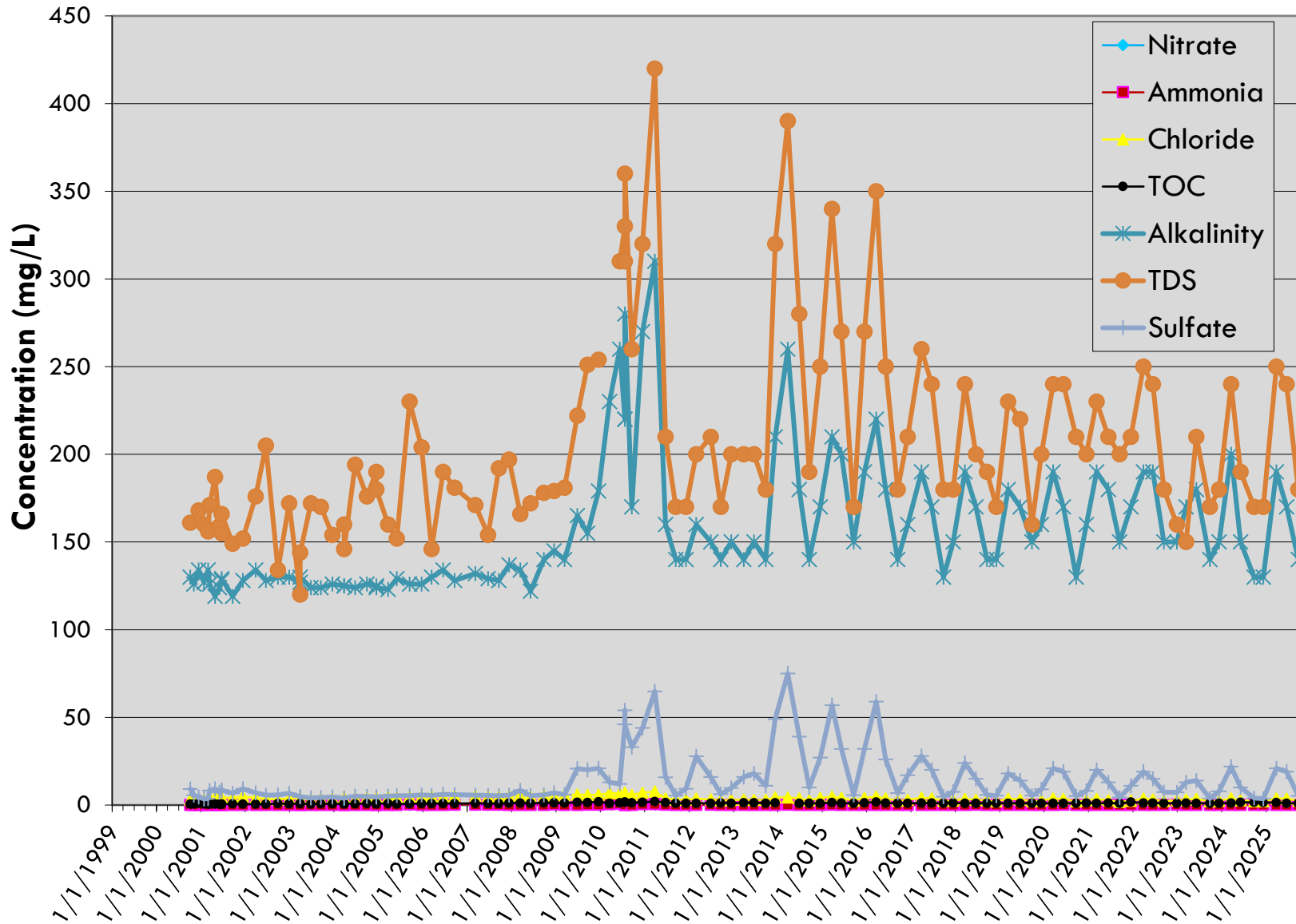
MW-4

LRI Landfill, Pierce County, Washington



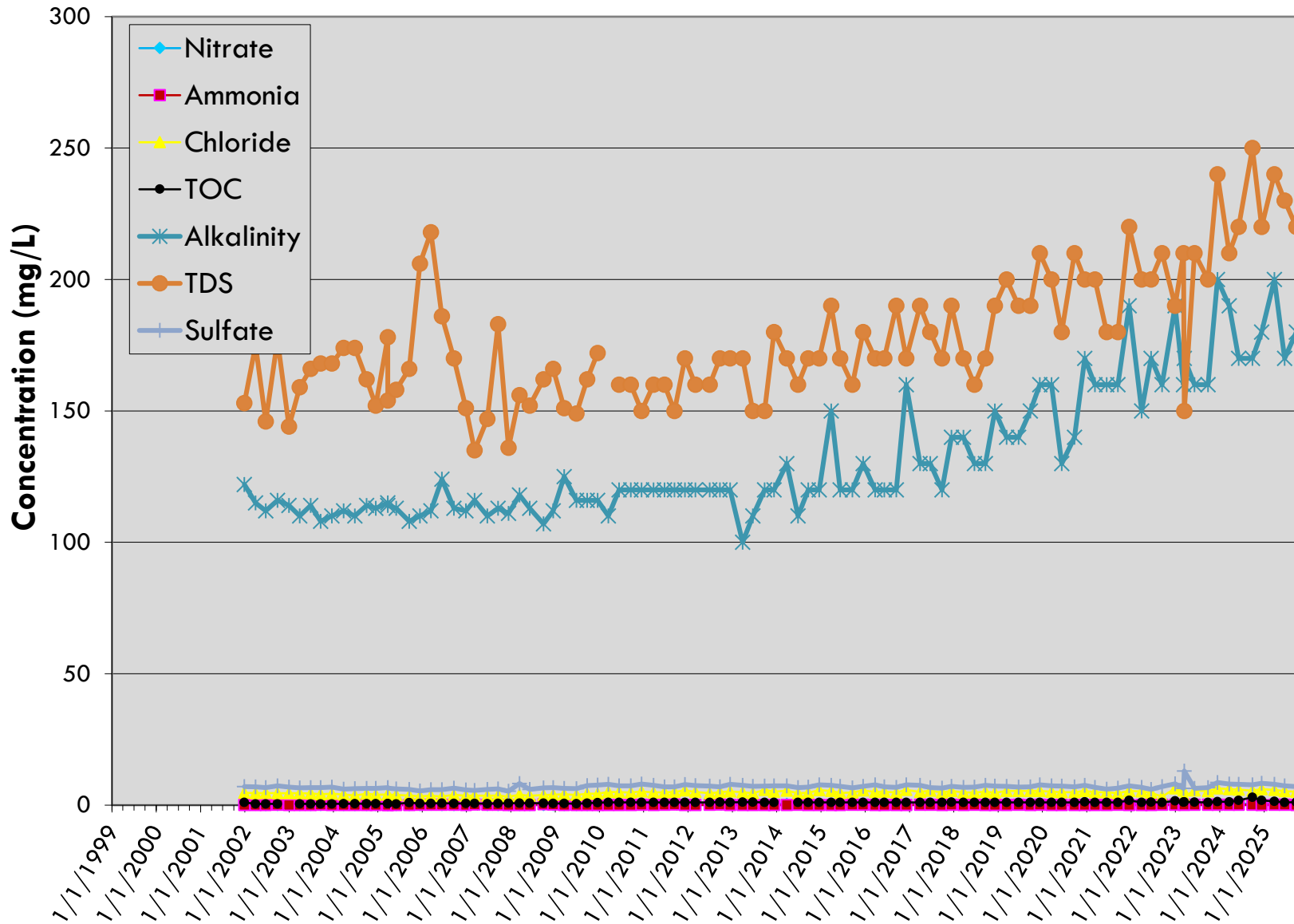
MW-5A

LRI Landfill, Pierce County, Washington



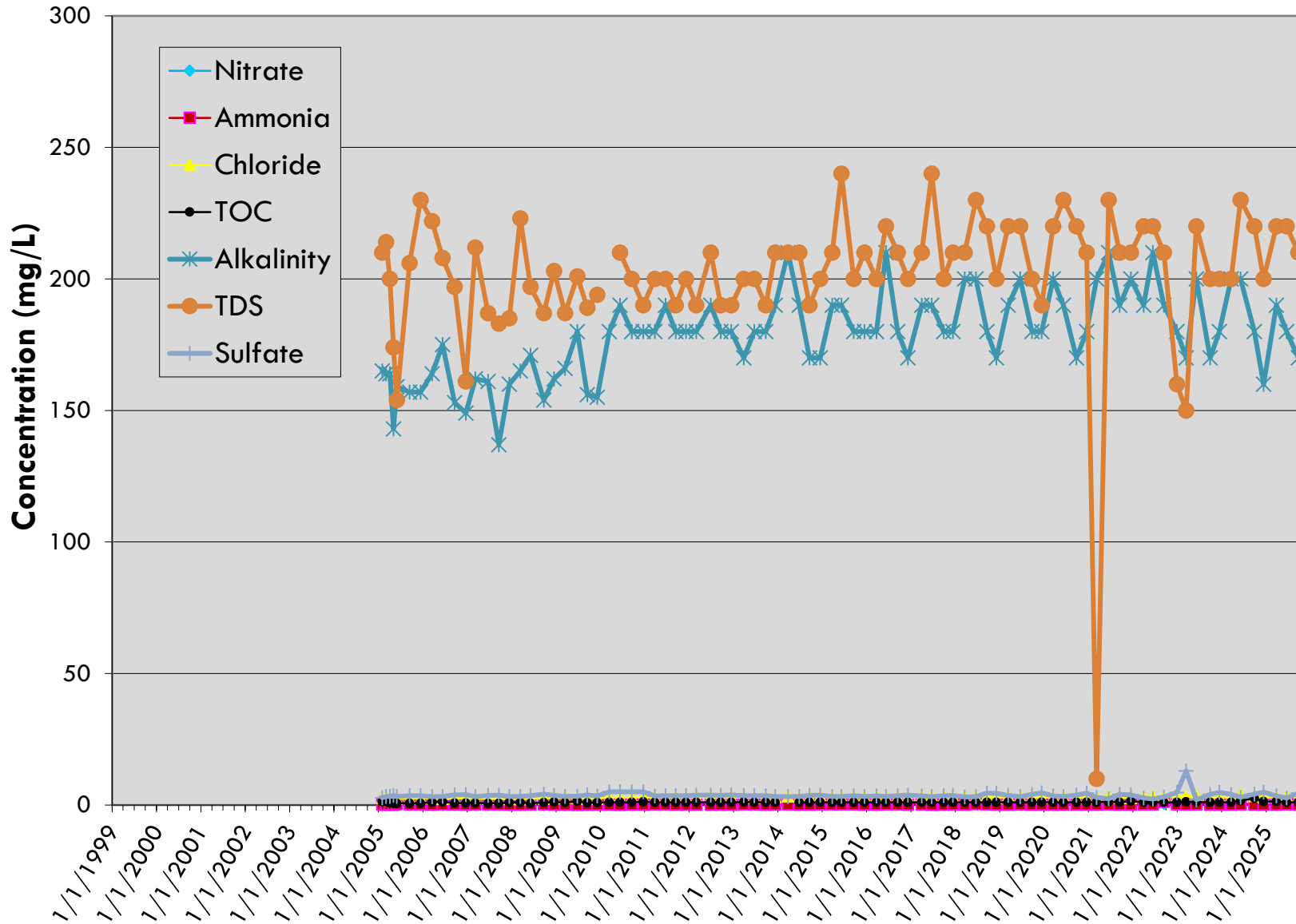
MW-6

LRI Landfill, Pierce County, Washington

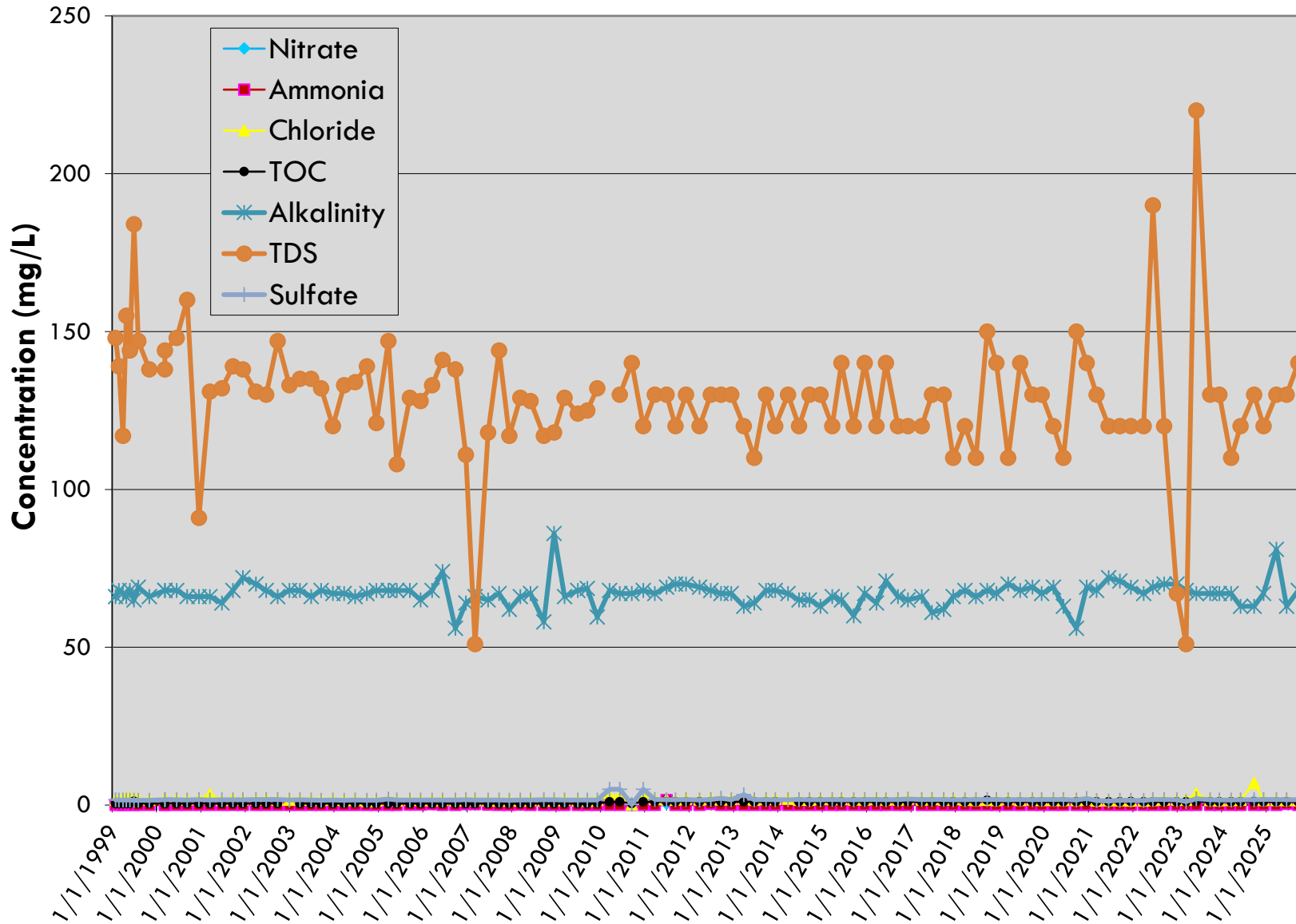


MW-7

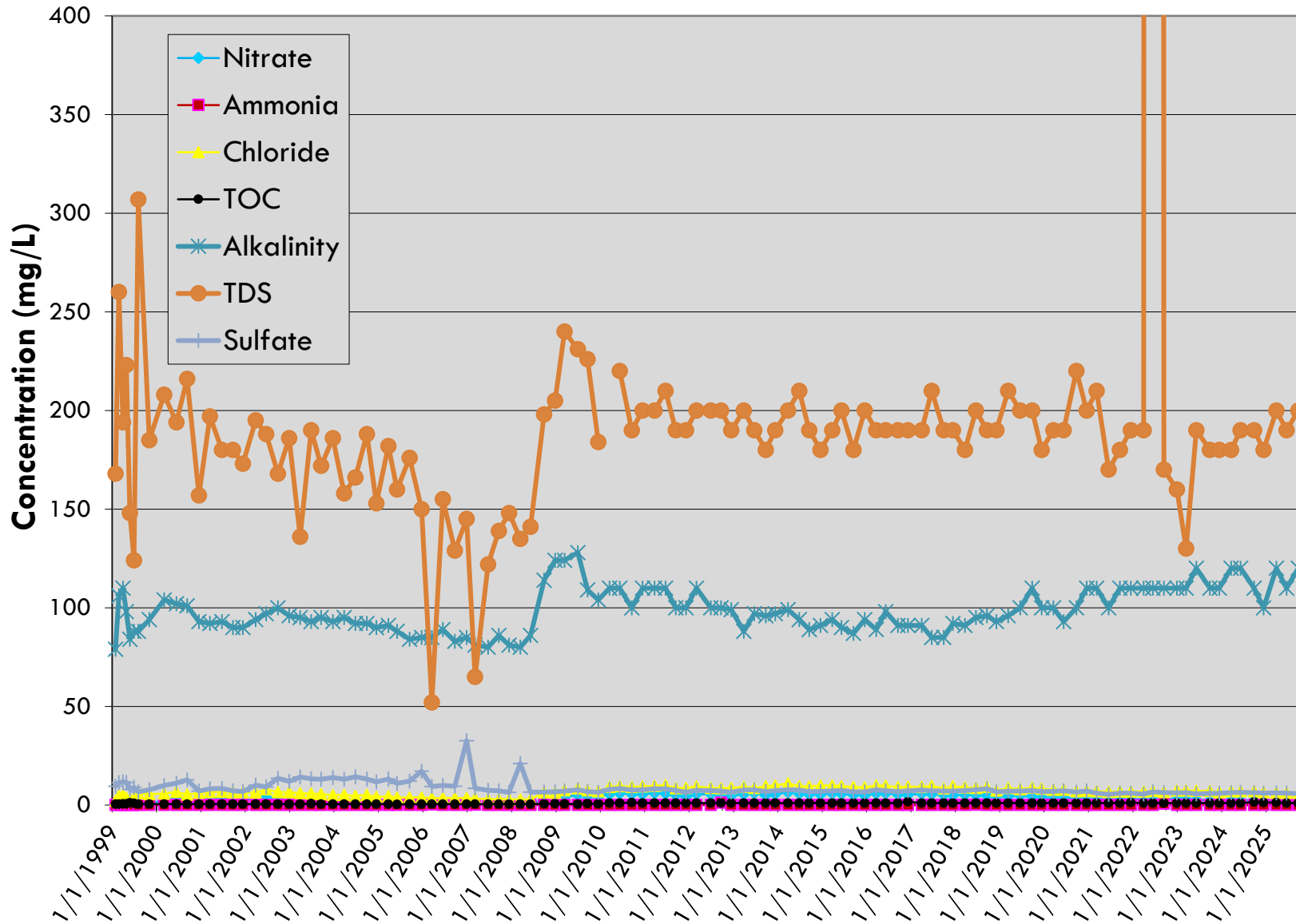
LRI Landfill, Pierce County, Washington



MW-9 (Background) LRI Landfill, Pierce County, Washington

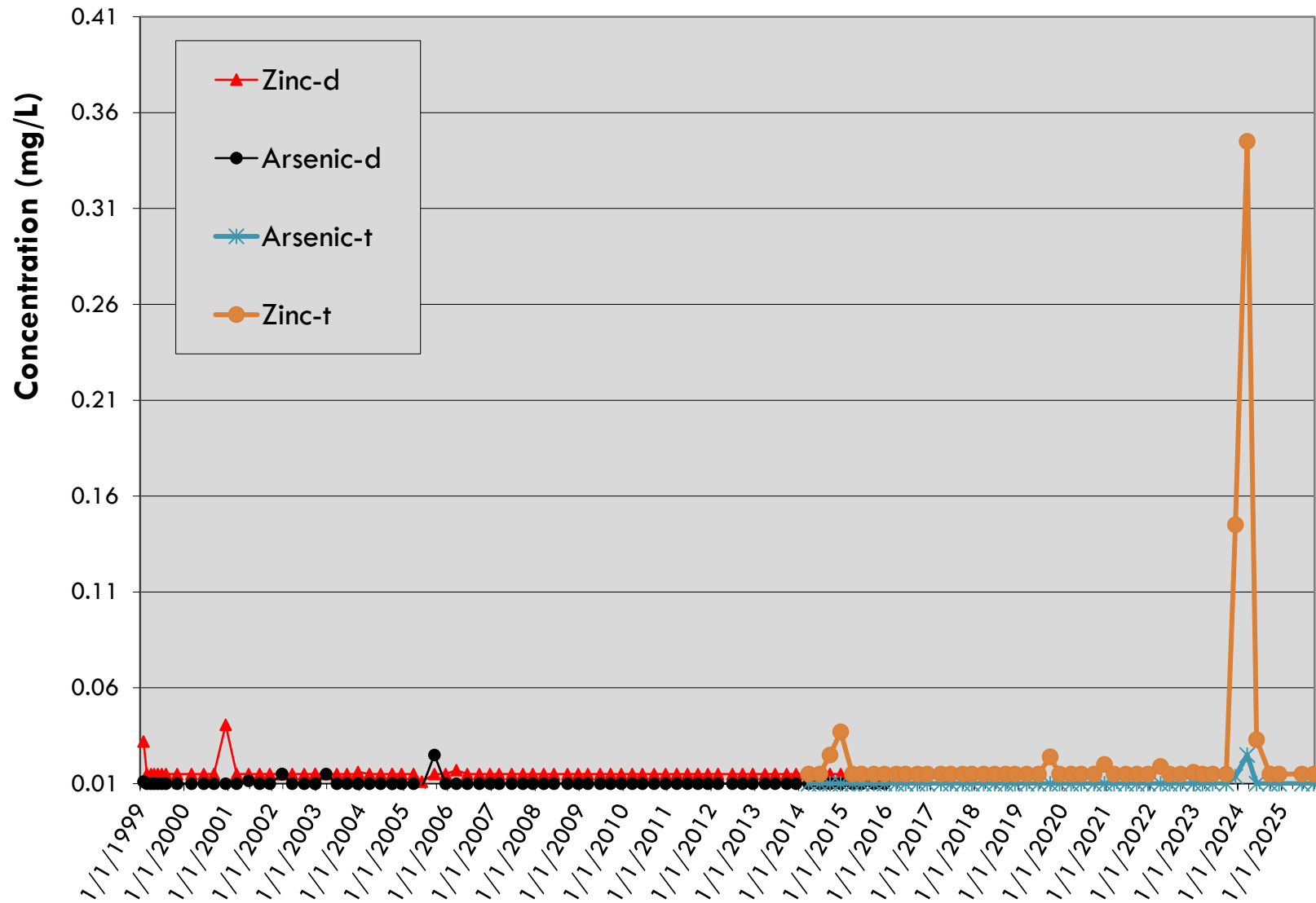


MW-10 (Background) LRI Landfill, Pierce County, Washington



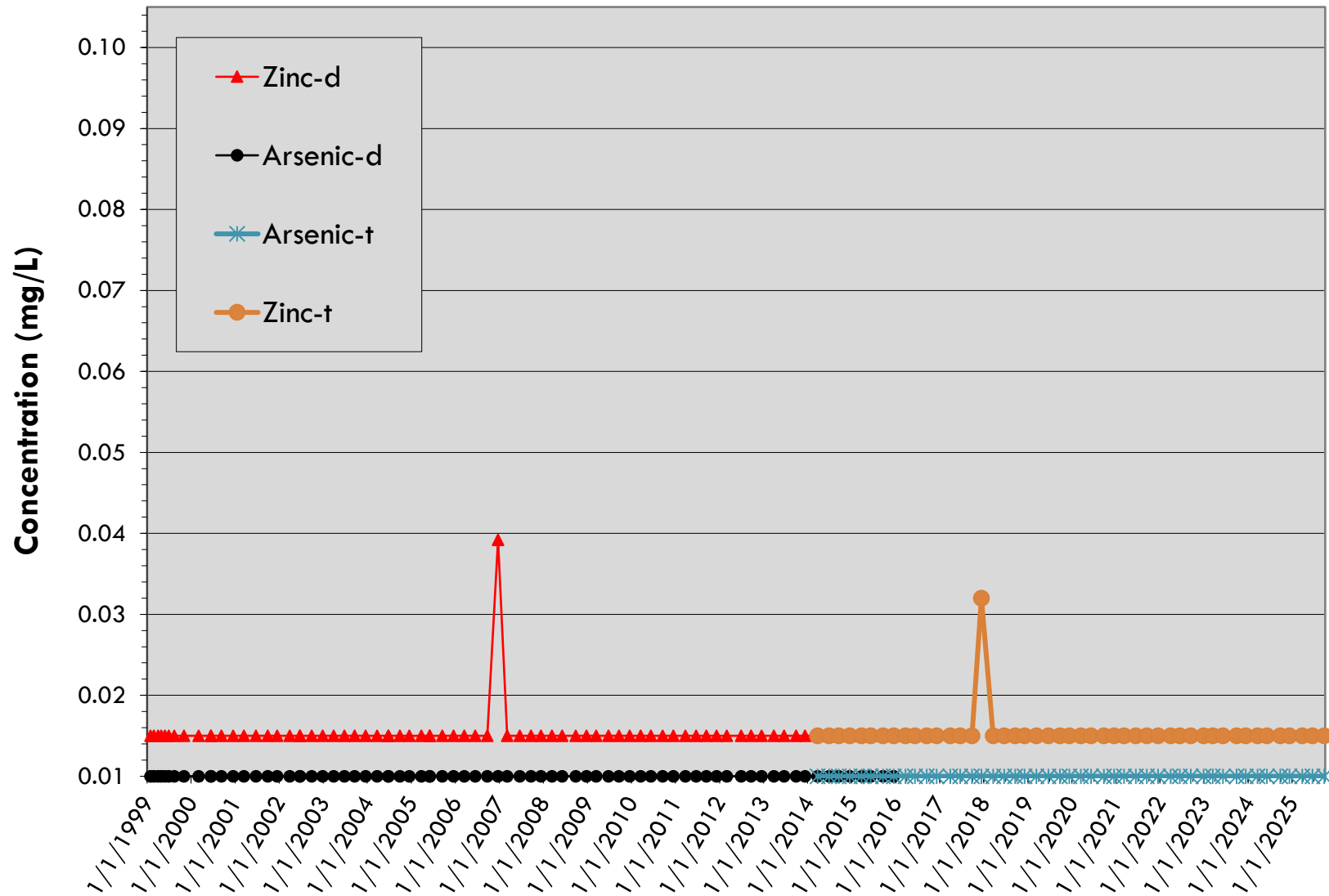
MW-1A

LRI Landfill, Pierce County, Washington



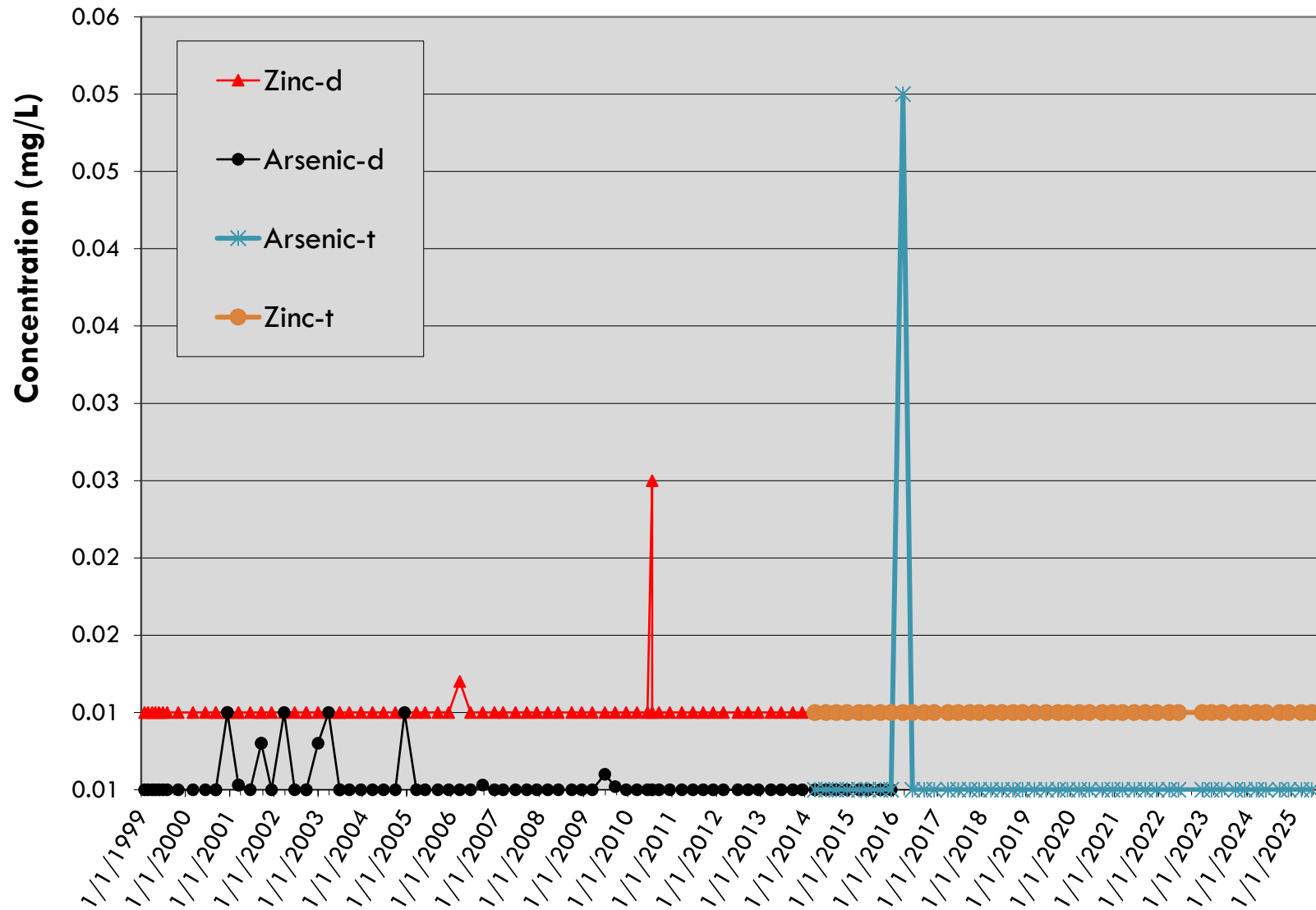
MW-2A

LRI Landfill, Pierce County, Washington

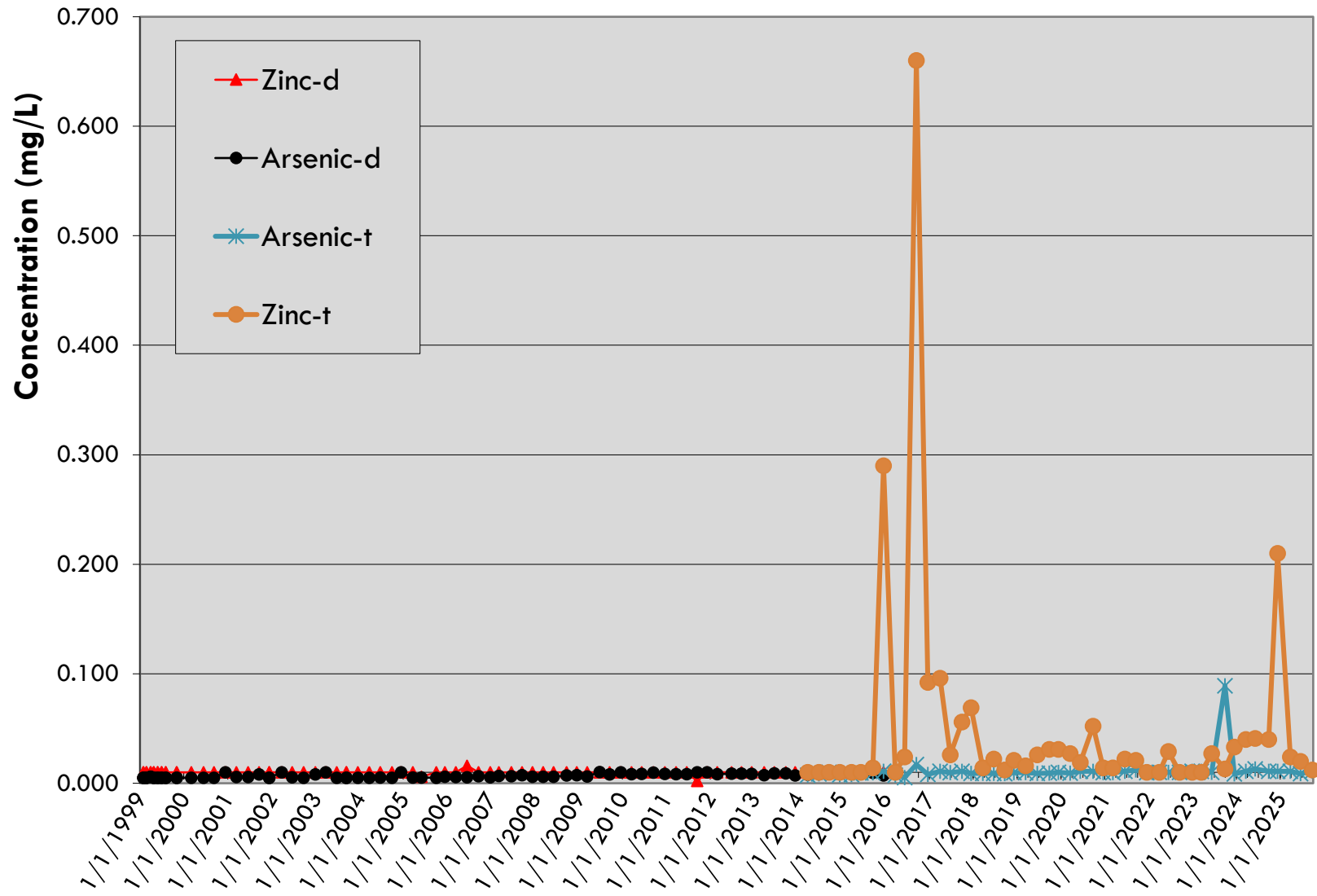


MW-3

LRI Landfill, Pierce County, Washington

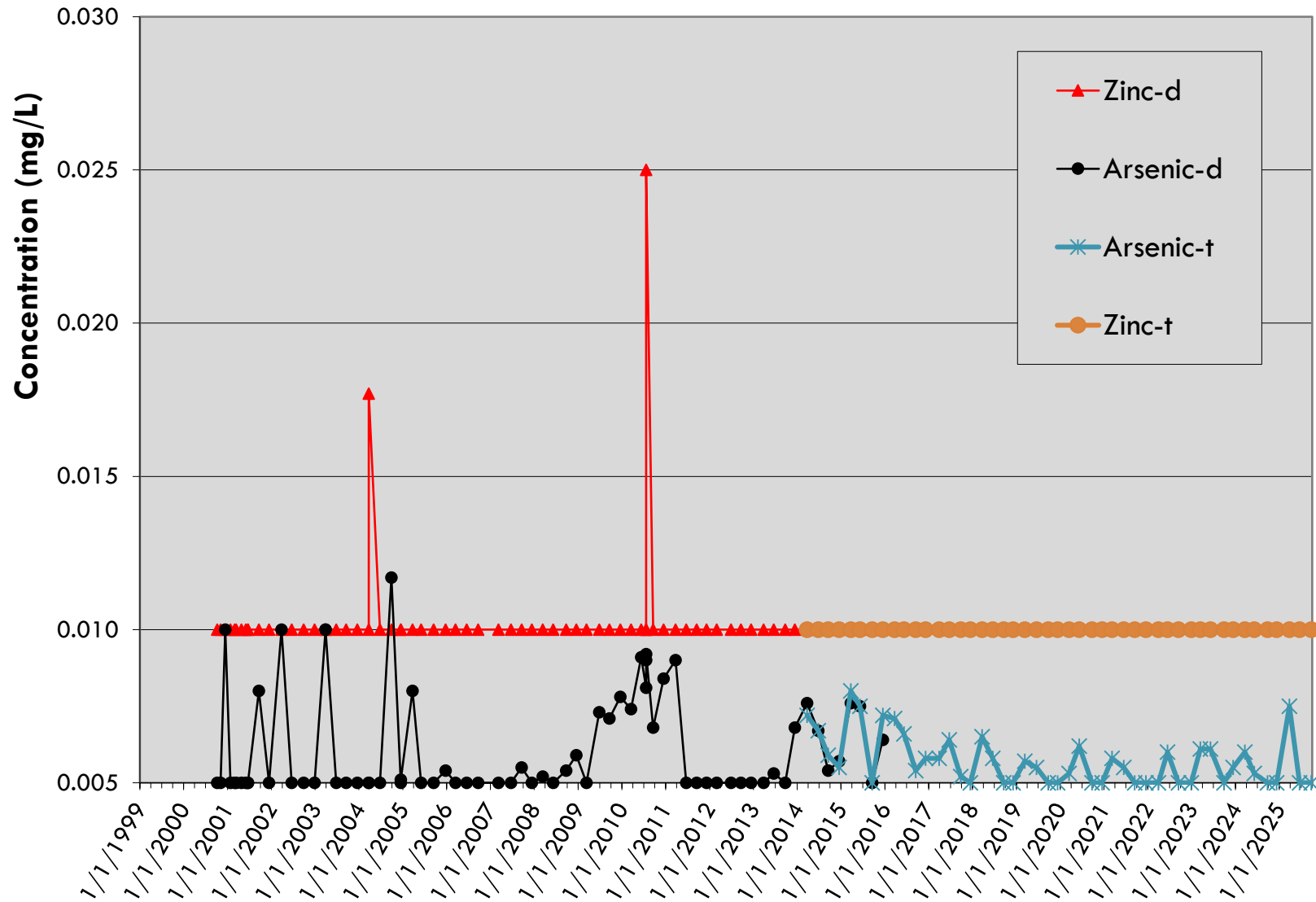


MW-4
LRI Landfill, Pierce County, Washington



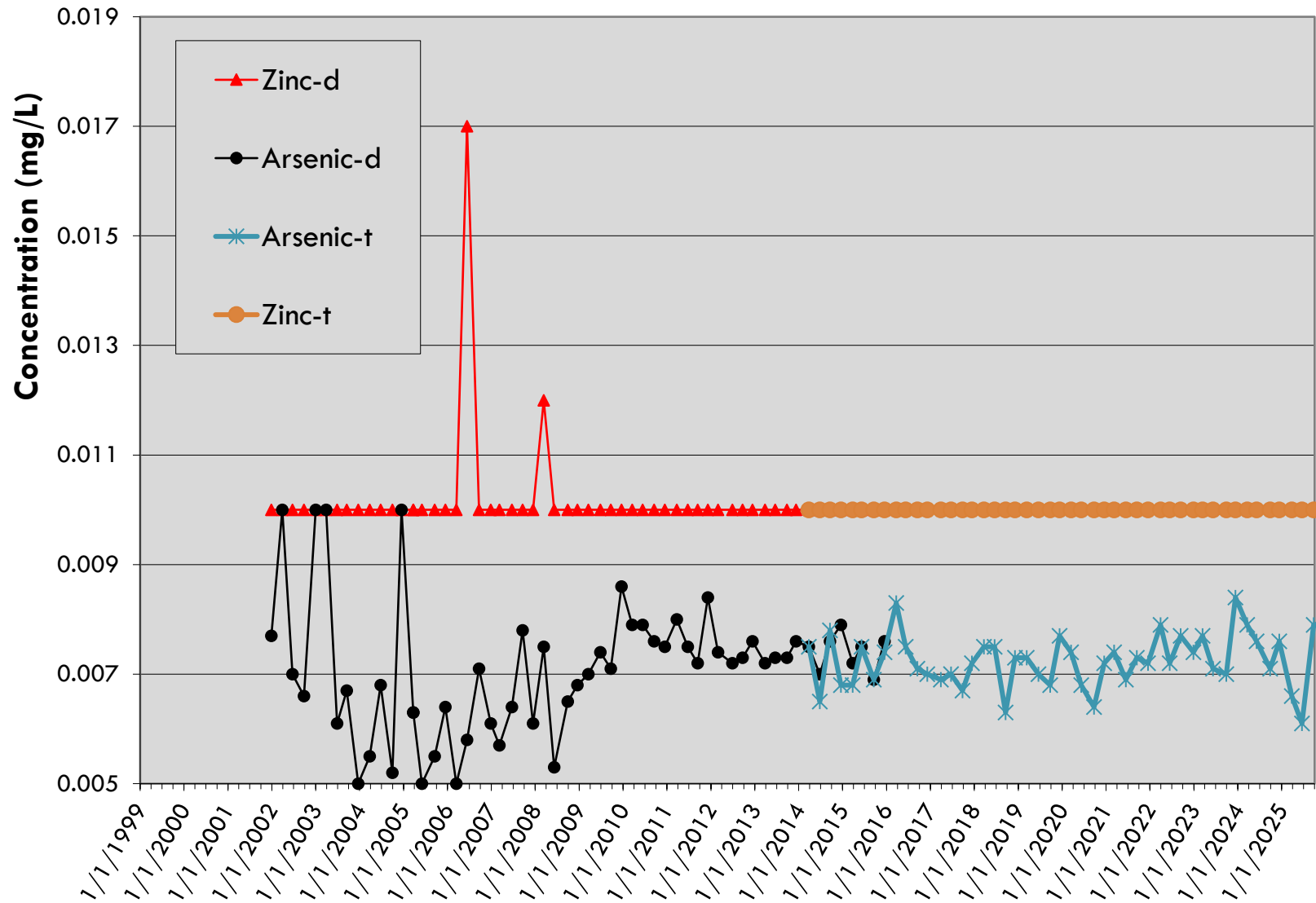
MW-5A

LRI Landfill, Pierce County, Washington



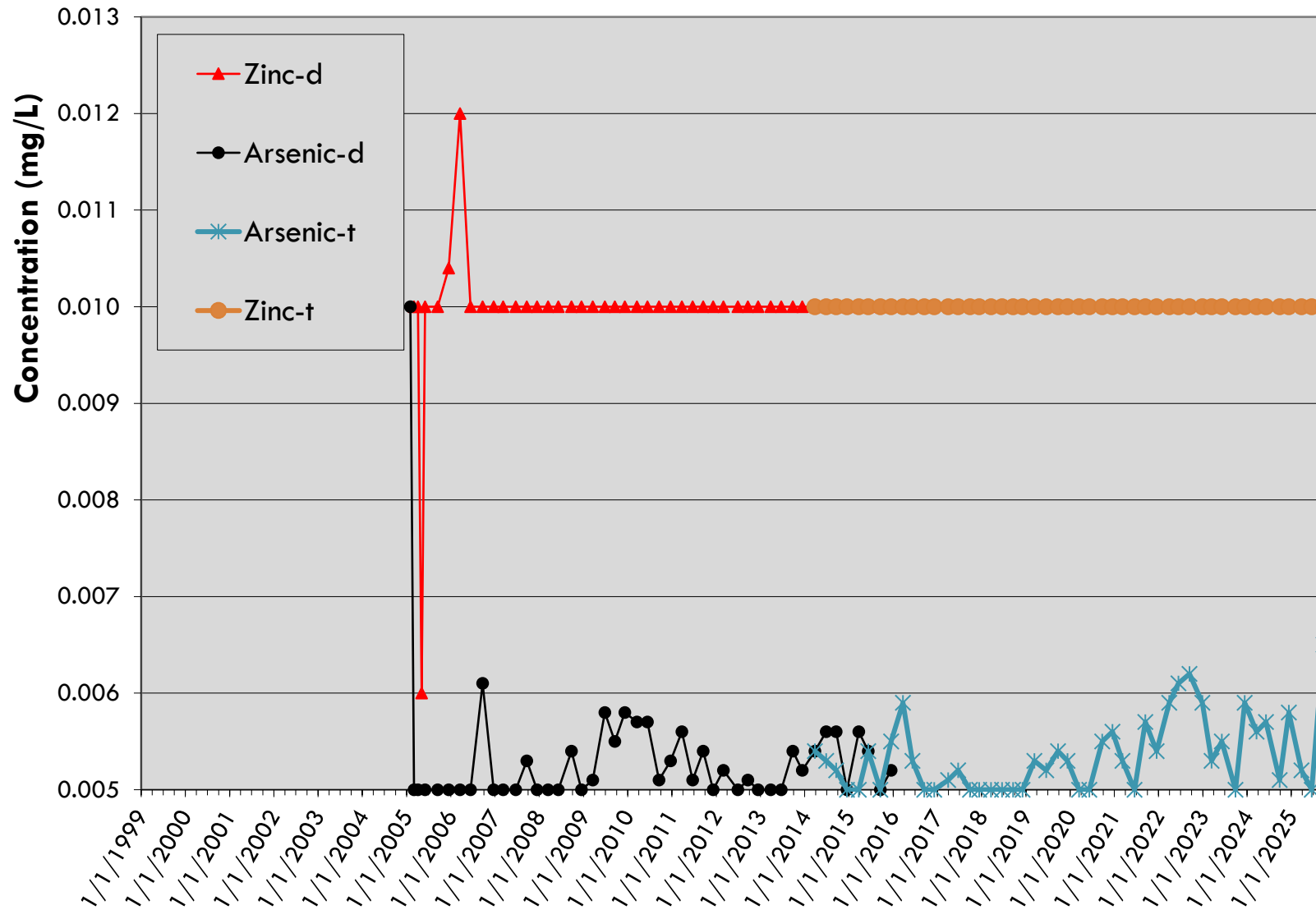
MW-6

LRI Landfill, Pierce County, Washington

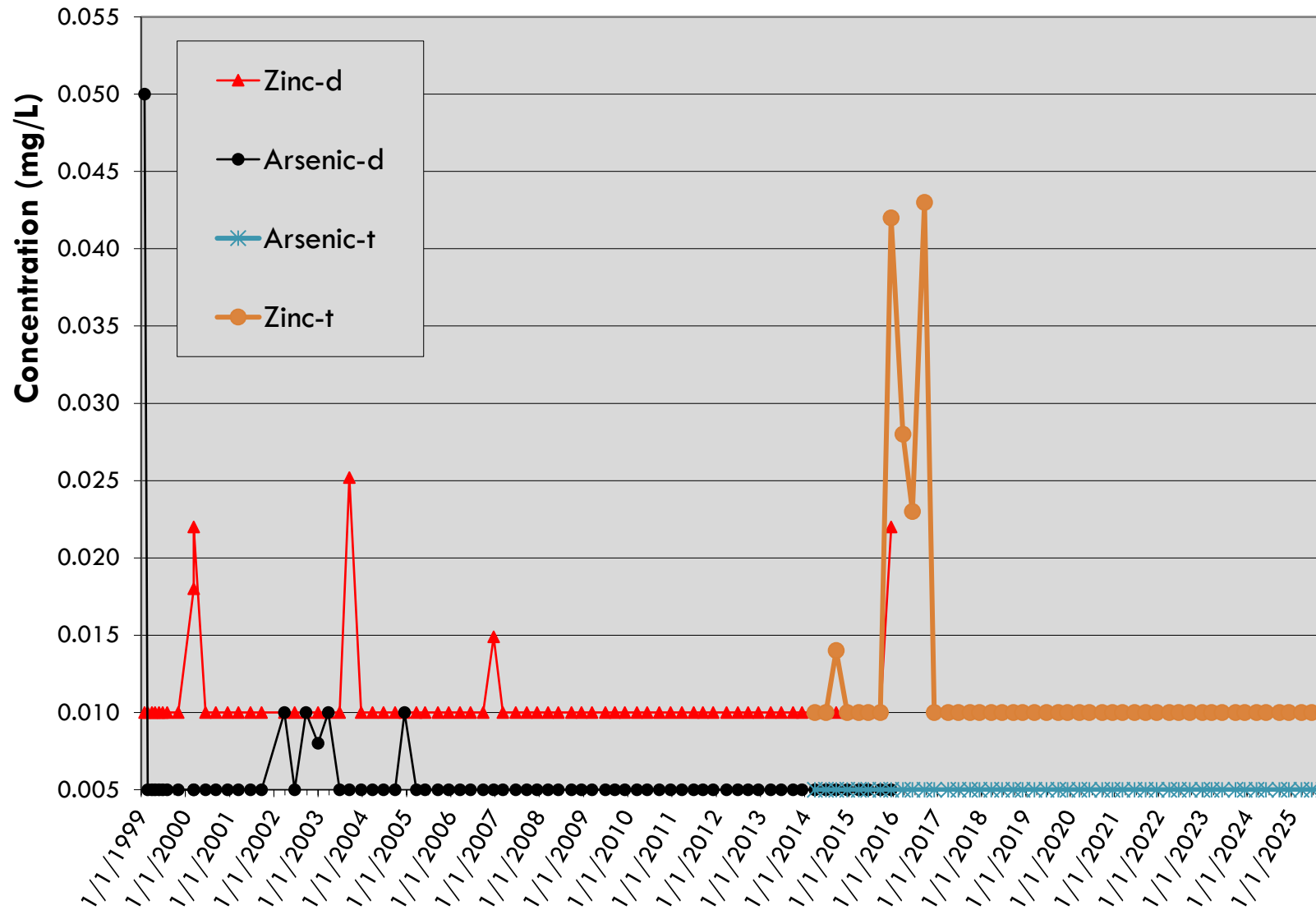


MW-7

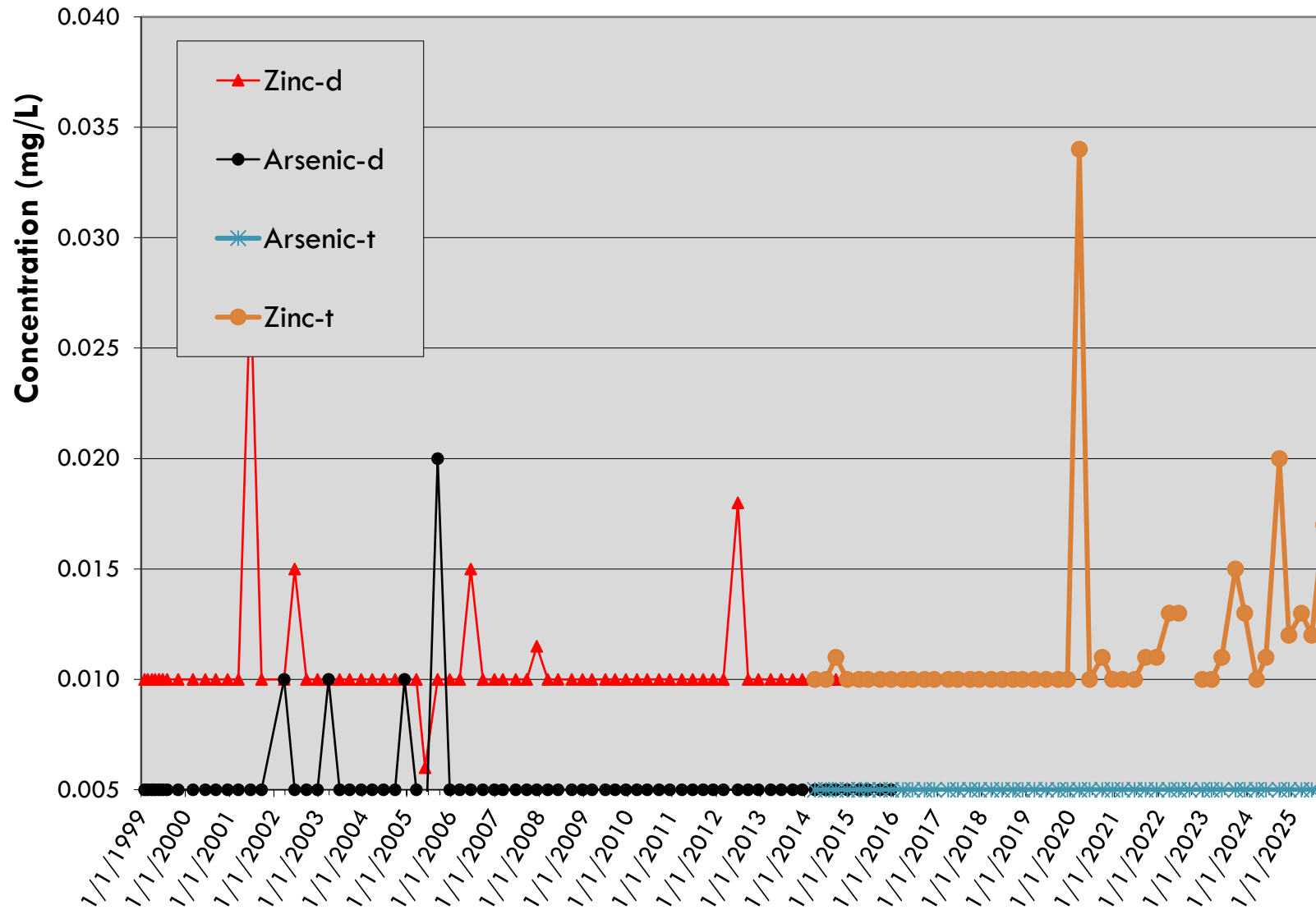
LRI Landfill, Pierce County, Washington



MW-9 (Background) LRI Landfill, Pierce County, Washington

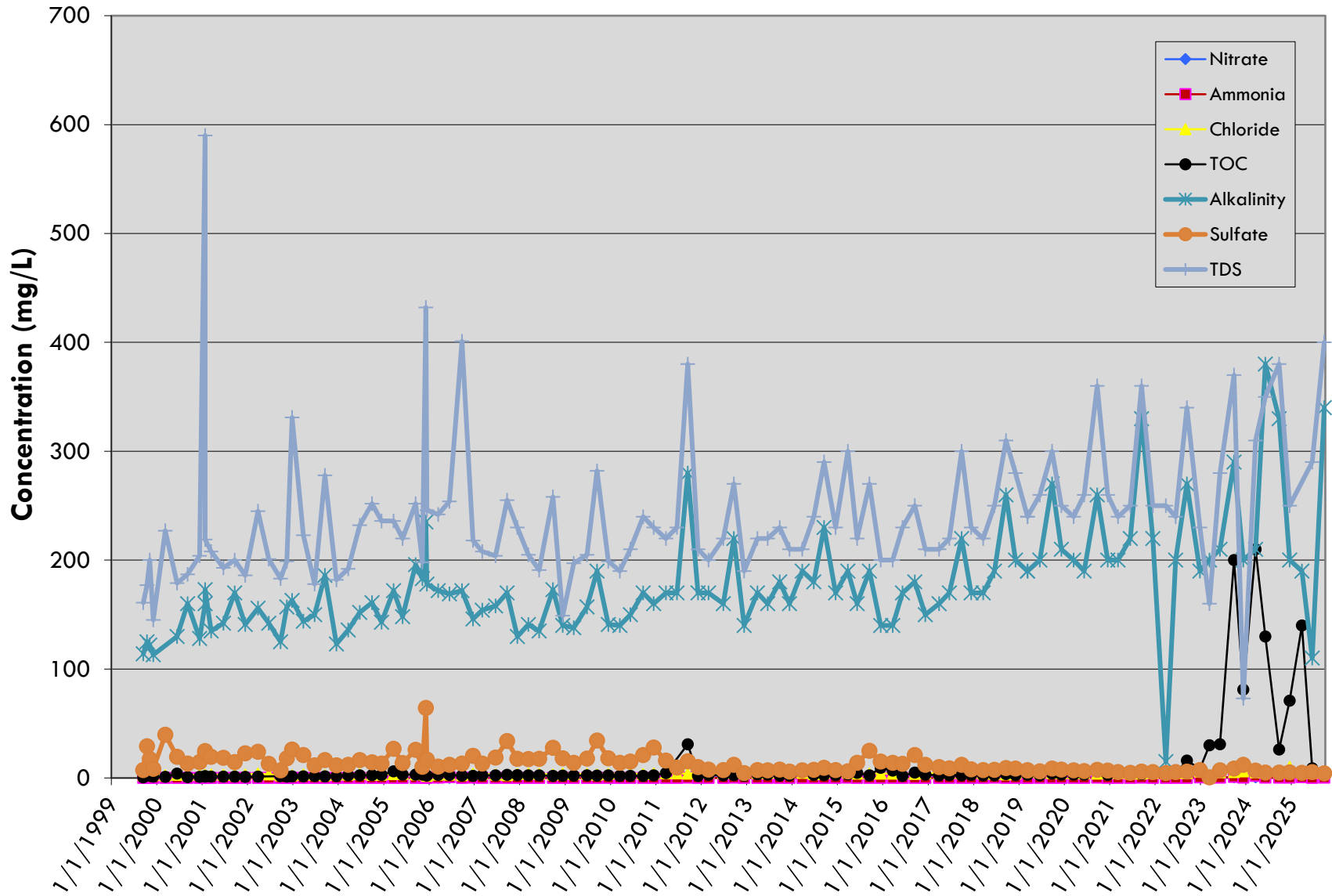


MW-10 (Background) LRI Landfill, Pierce County, Washington



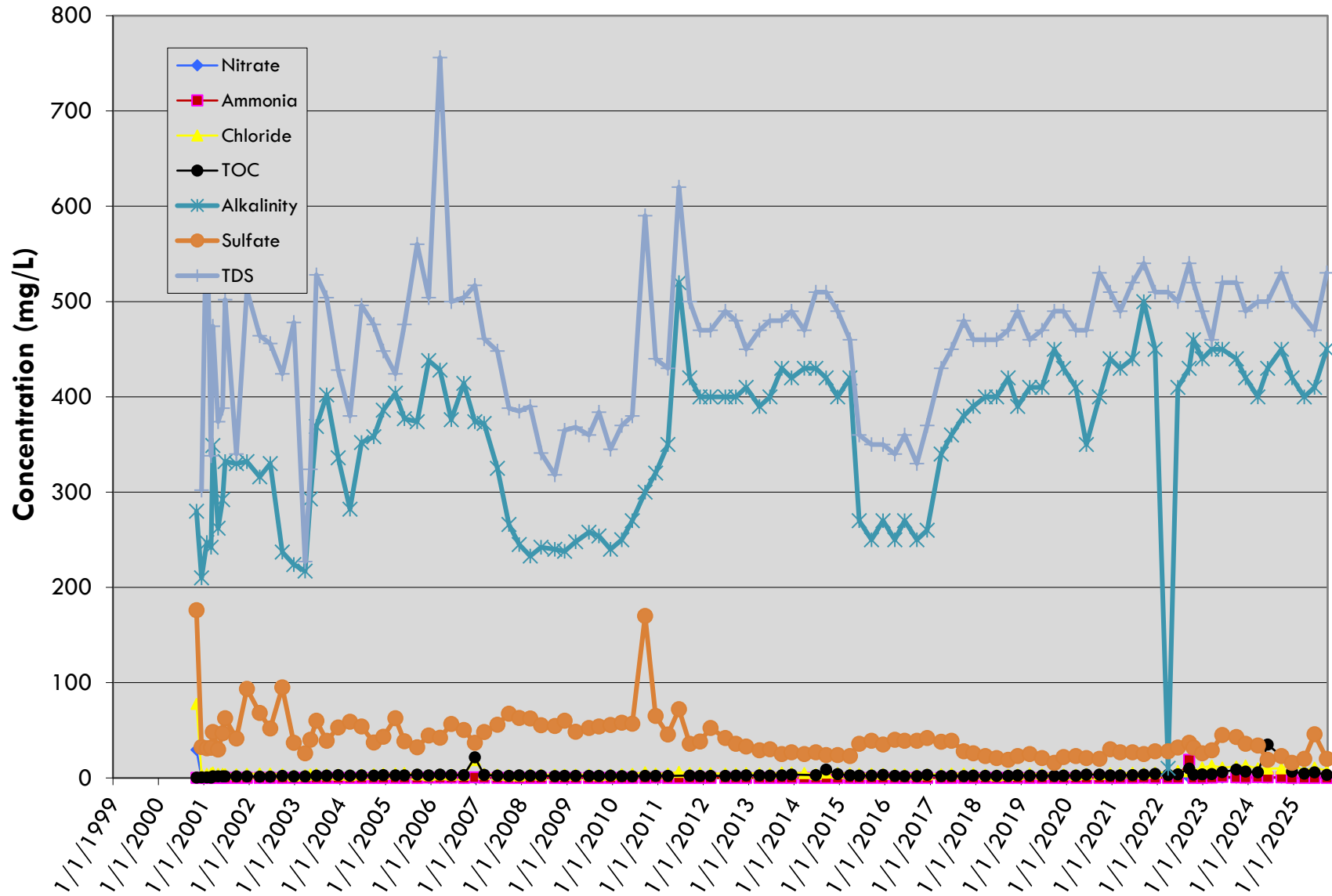
LDCS-1

LRI Landfill, Pierce County, Washington



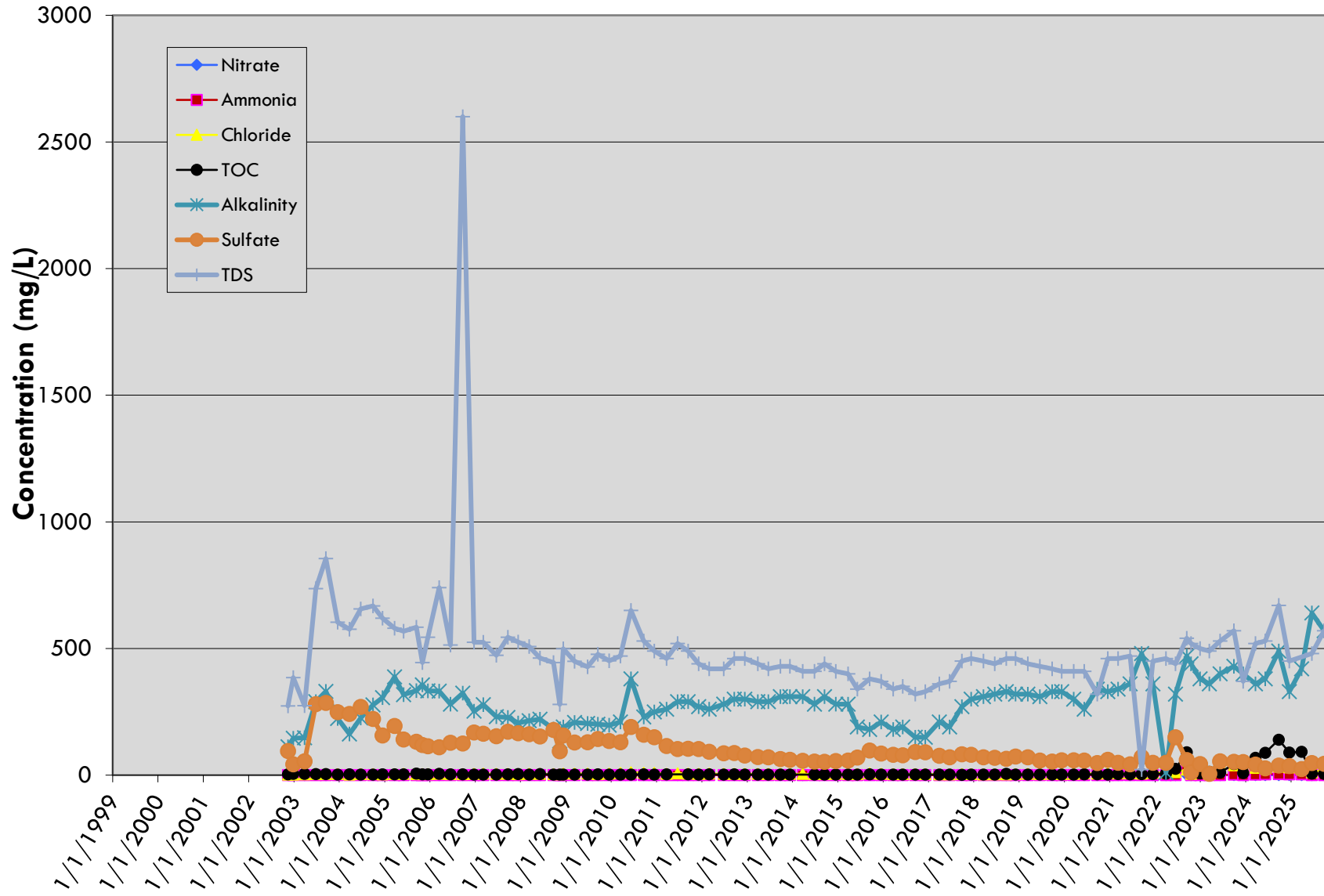
LDCS-2A

LRI Landfill, Pierce County, Washington



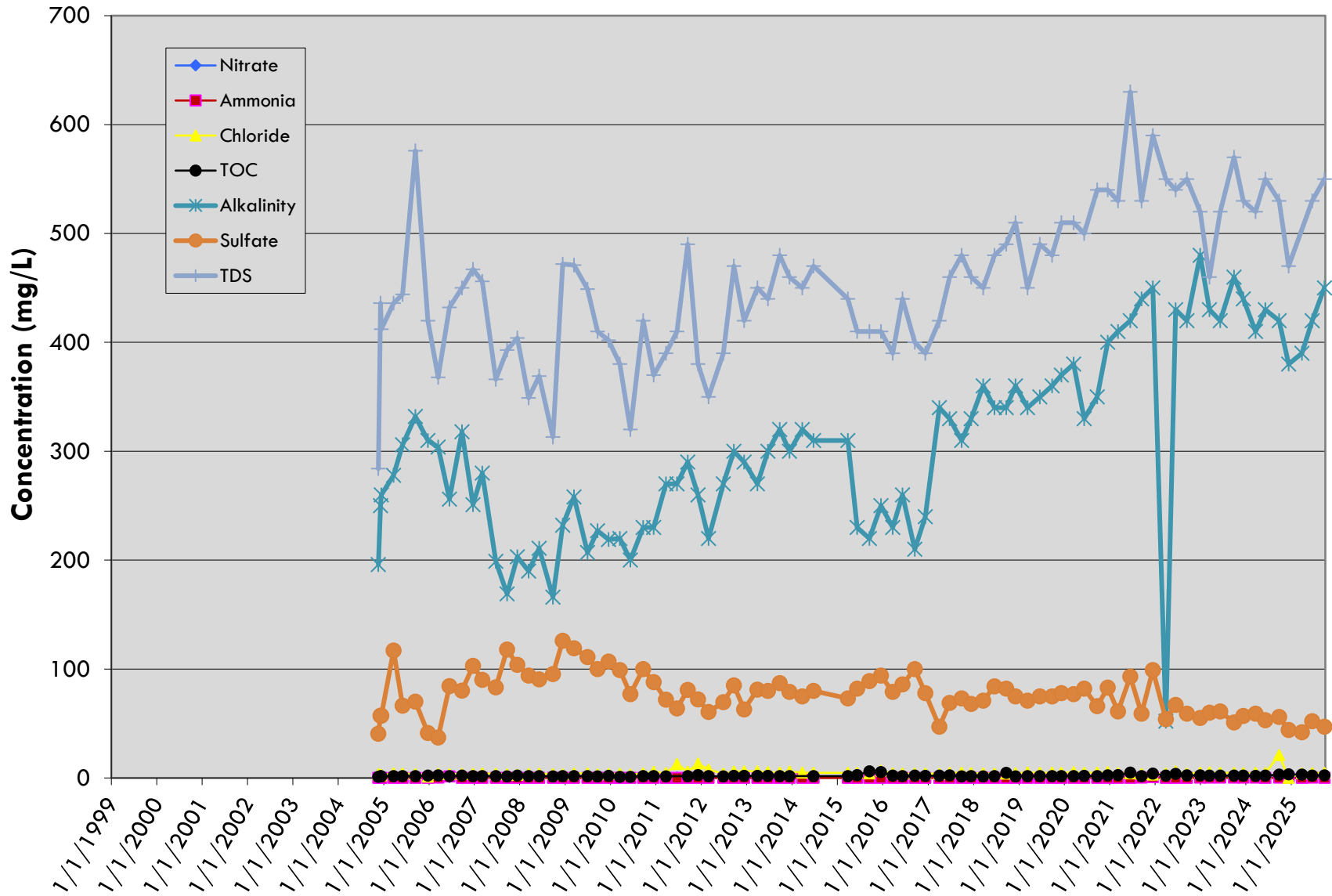
LDCS-2B

LRI Landfill, Pierce County, Washington



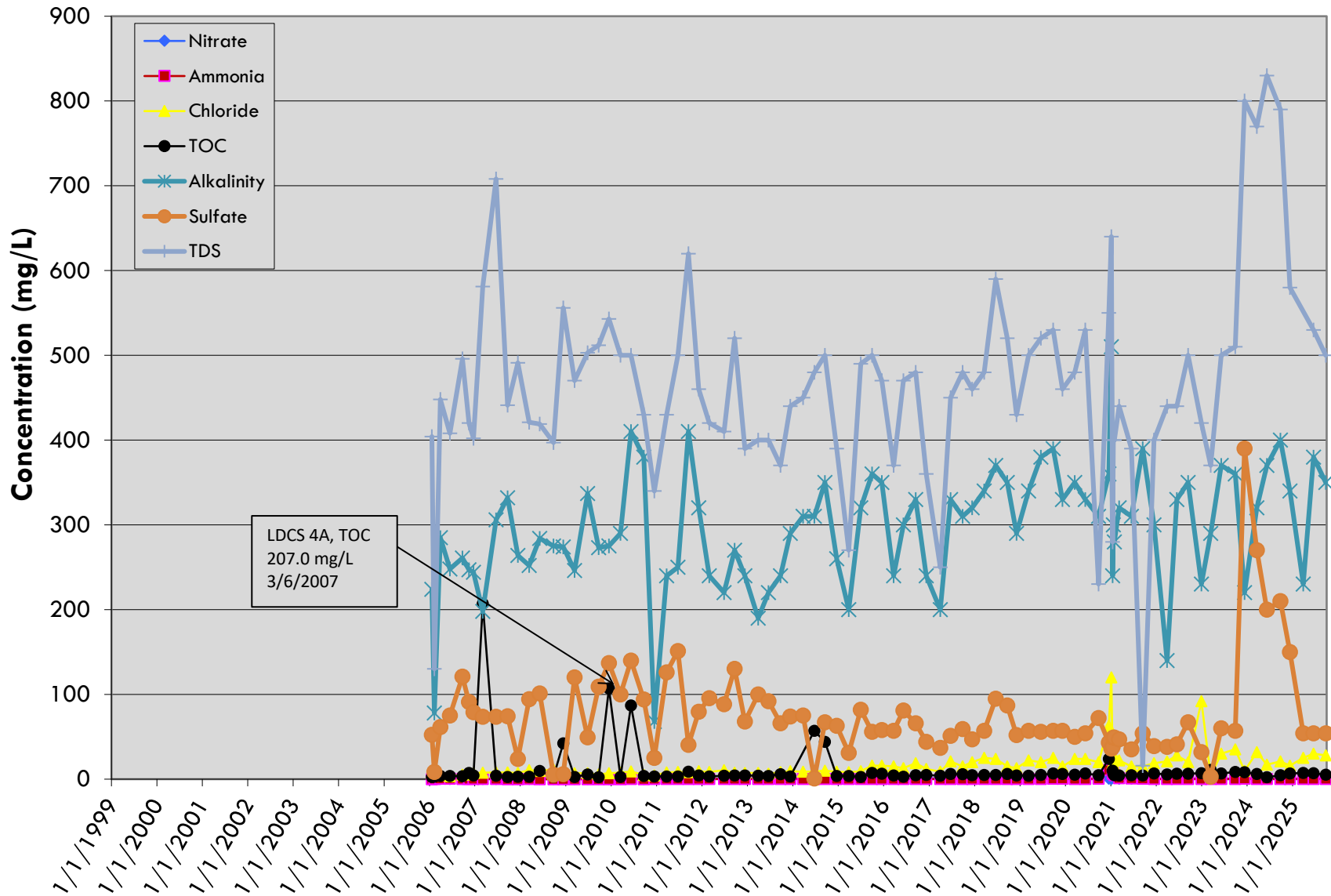
LDCS-3A

LRI Landfill, Pierce County, Washington



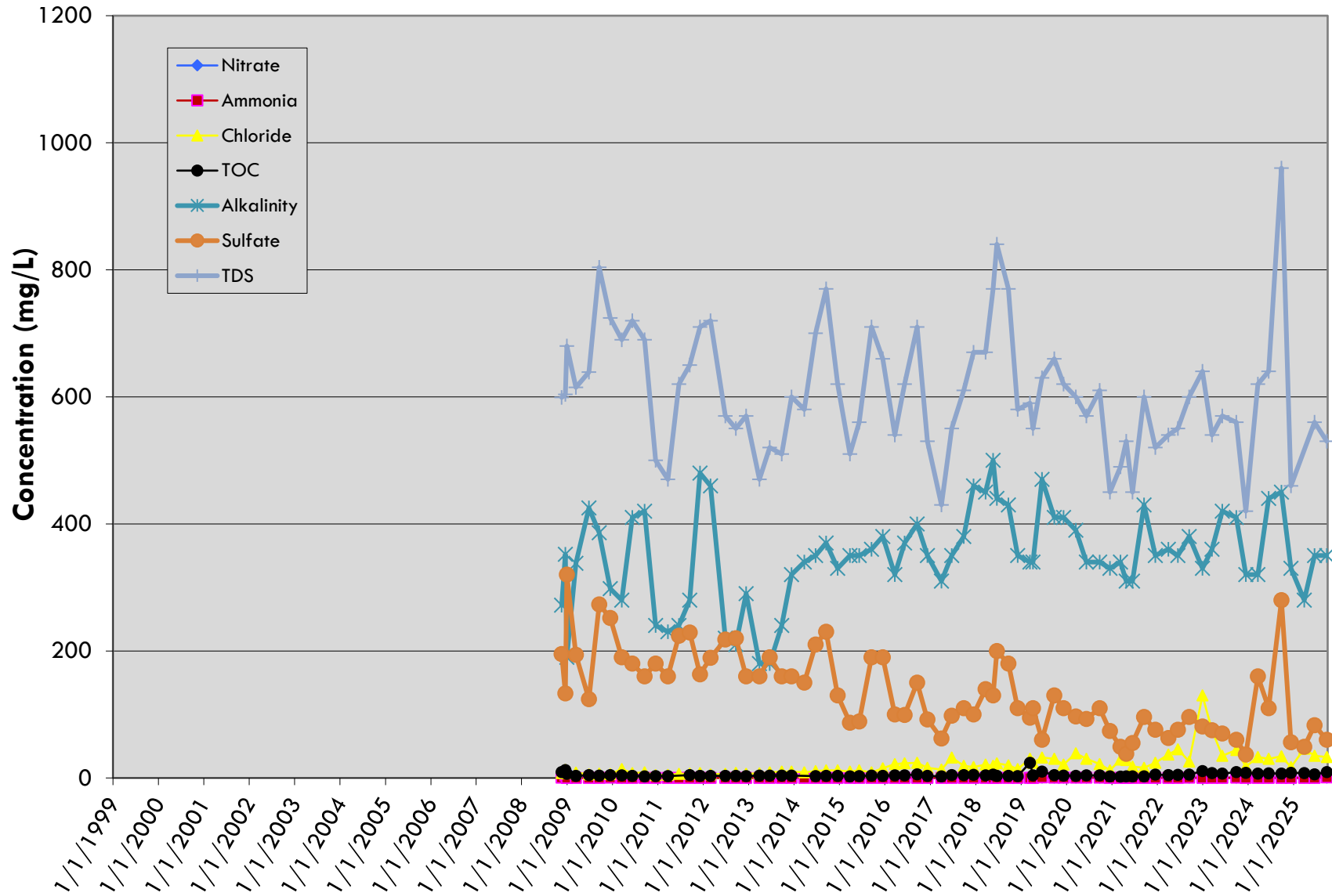
LDCS-4A

LRI Landfill, Pierce County, Washington



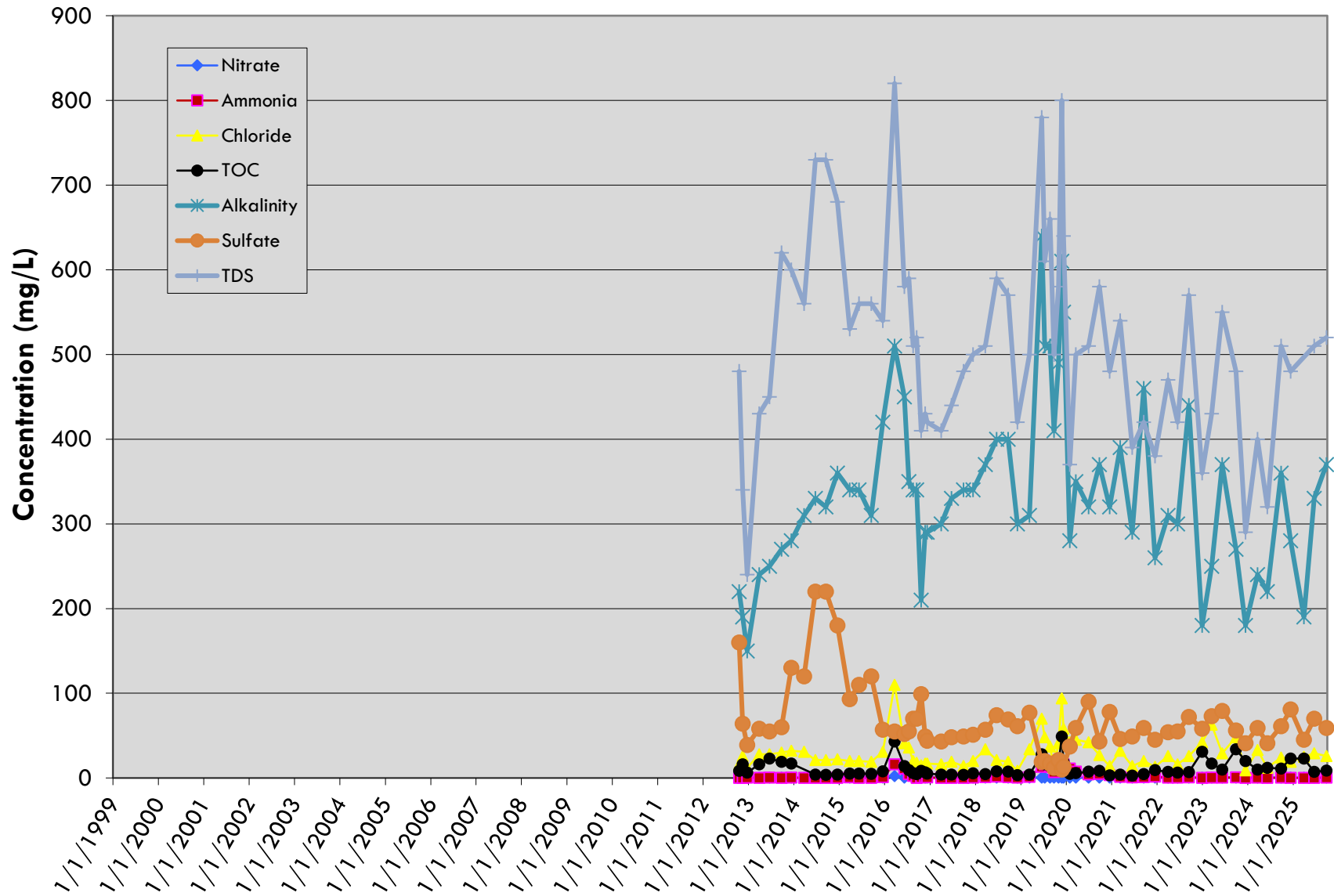
LDCS-4B

LRI Landfill, Pierce County, Washington



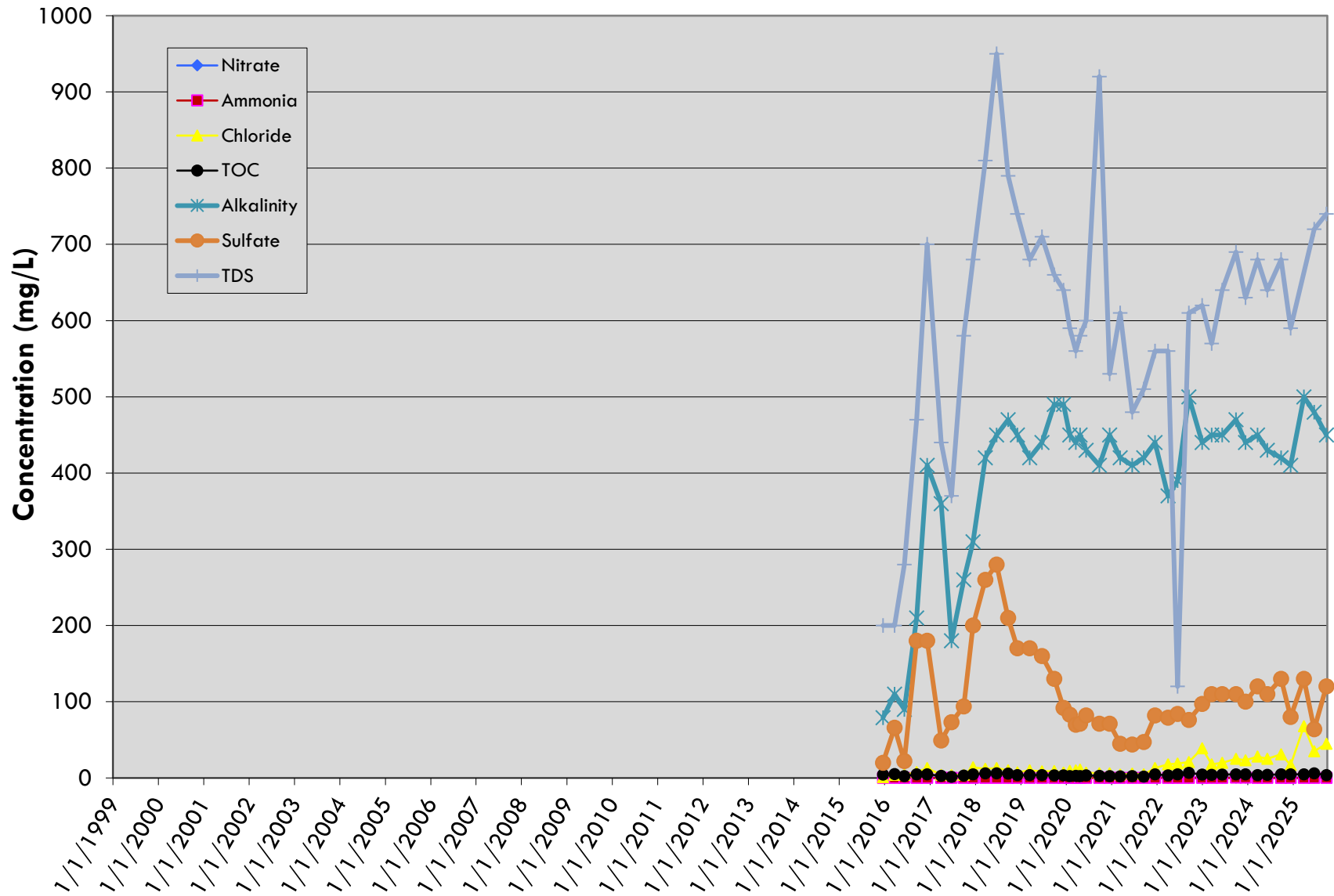
LDCS-5

LRI Landfill, Pierce County, Washington



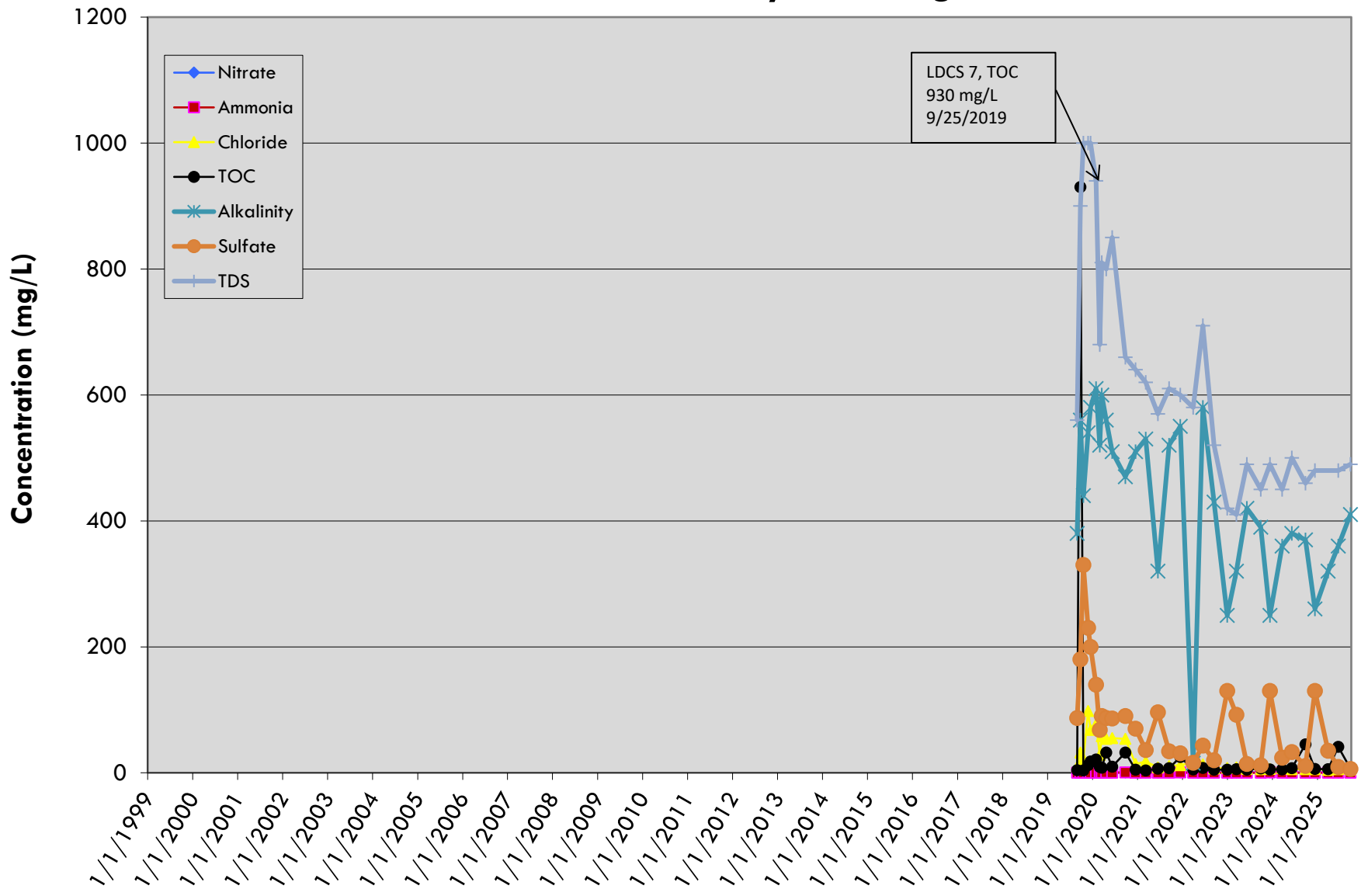
LDCS-6A

LRI Landfill, Pierce County, Washington



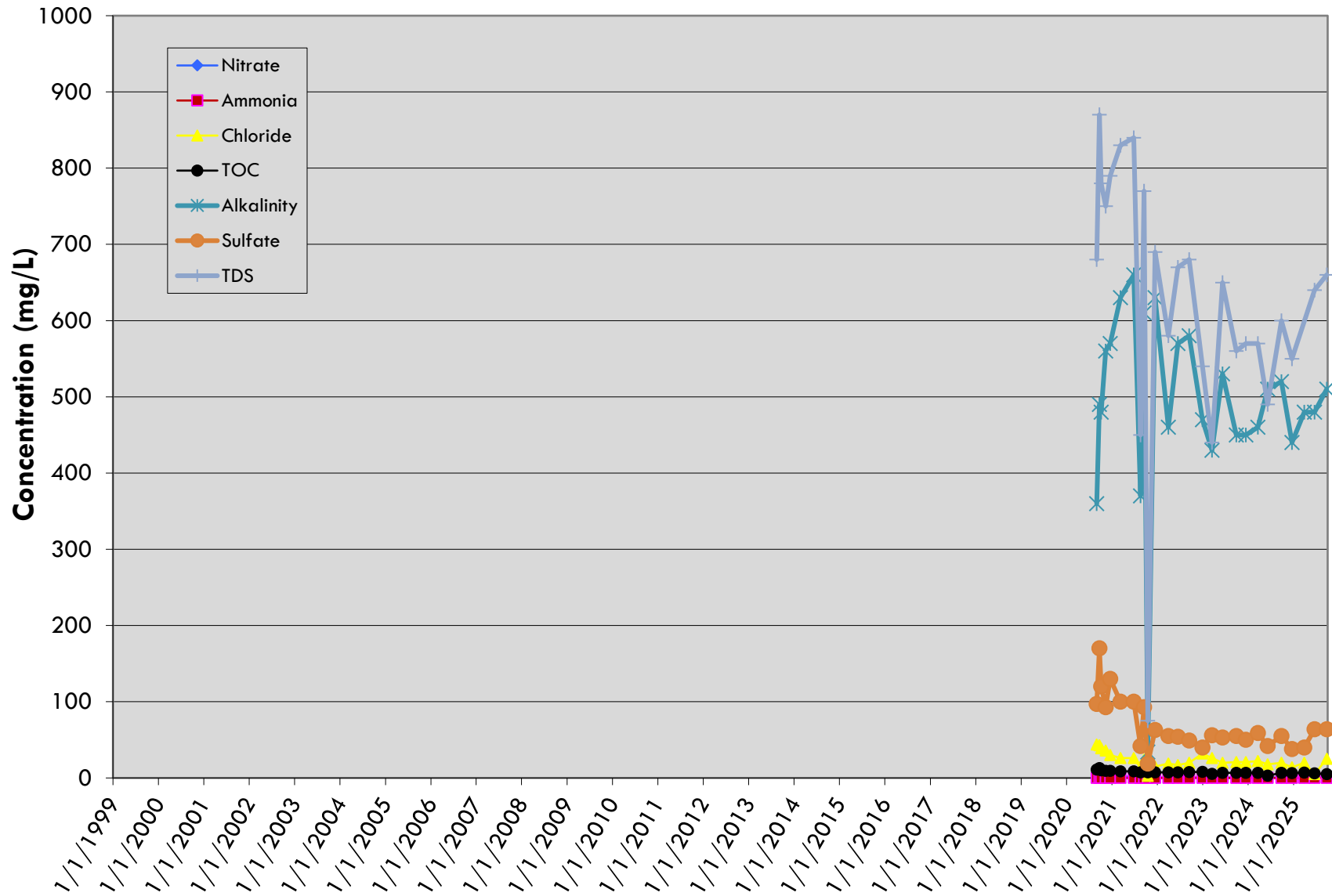
LDCS-7

LRI Landfill, Pierce County, Washington



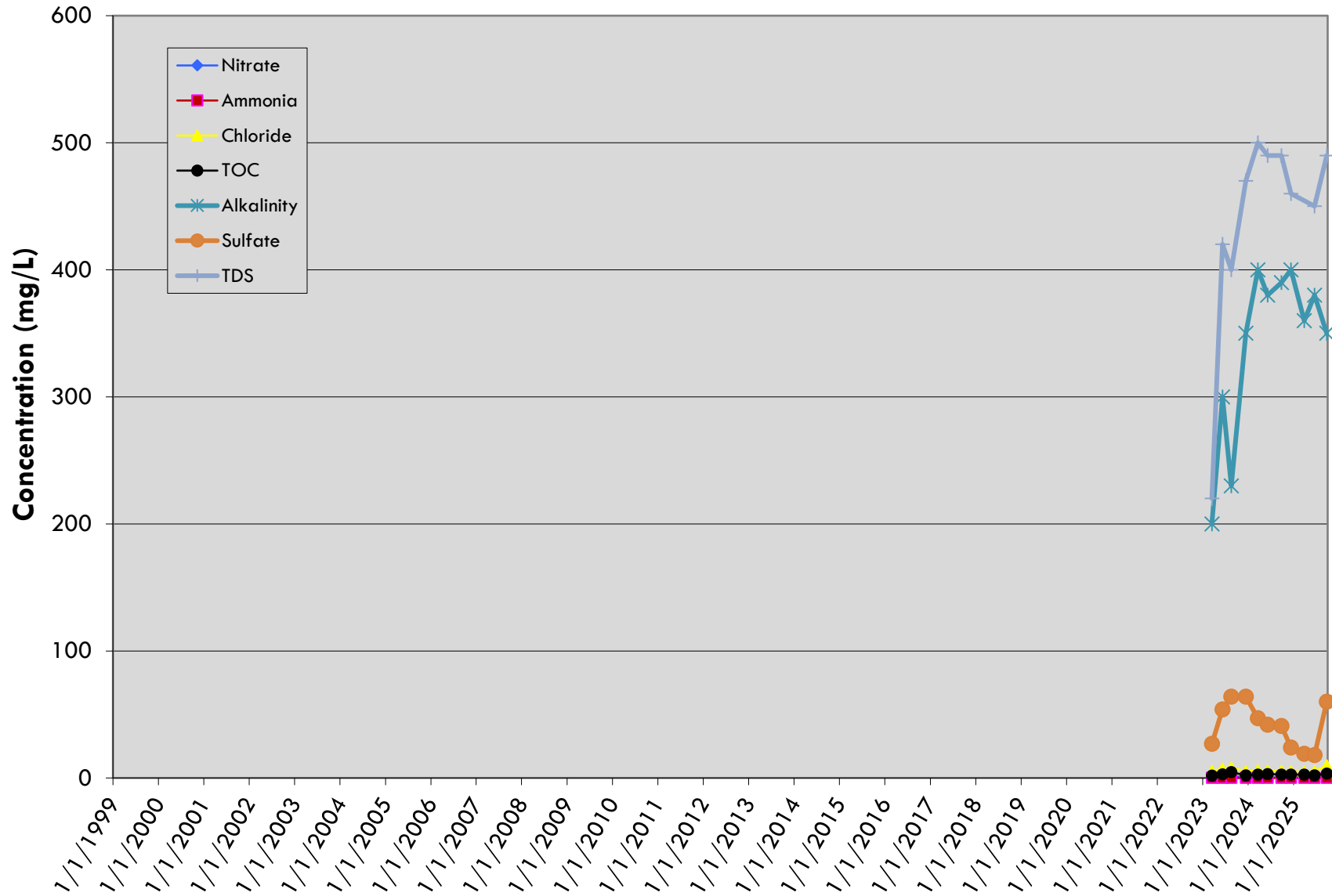
LDCS-8

LRI Landfill, Pierce County, Washington



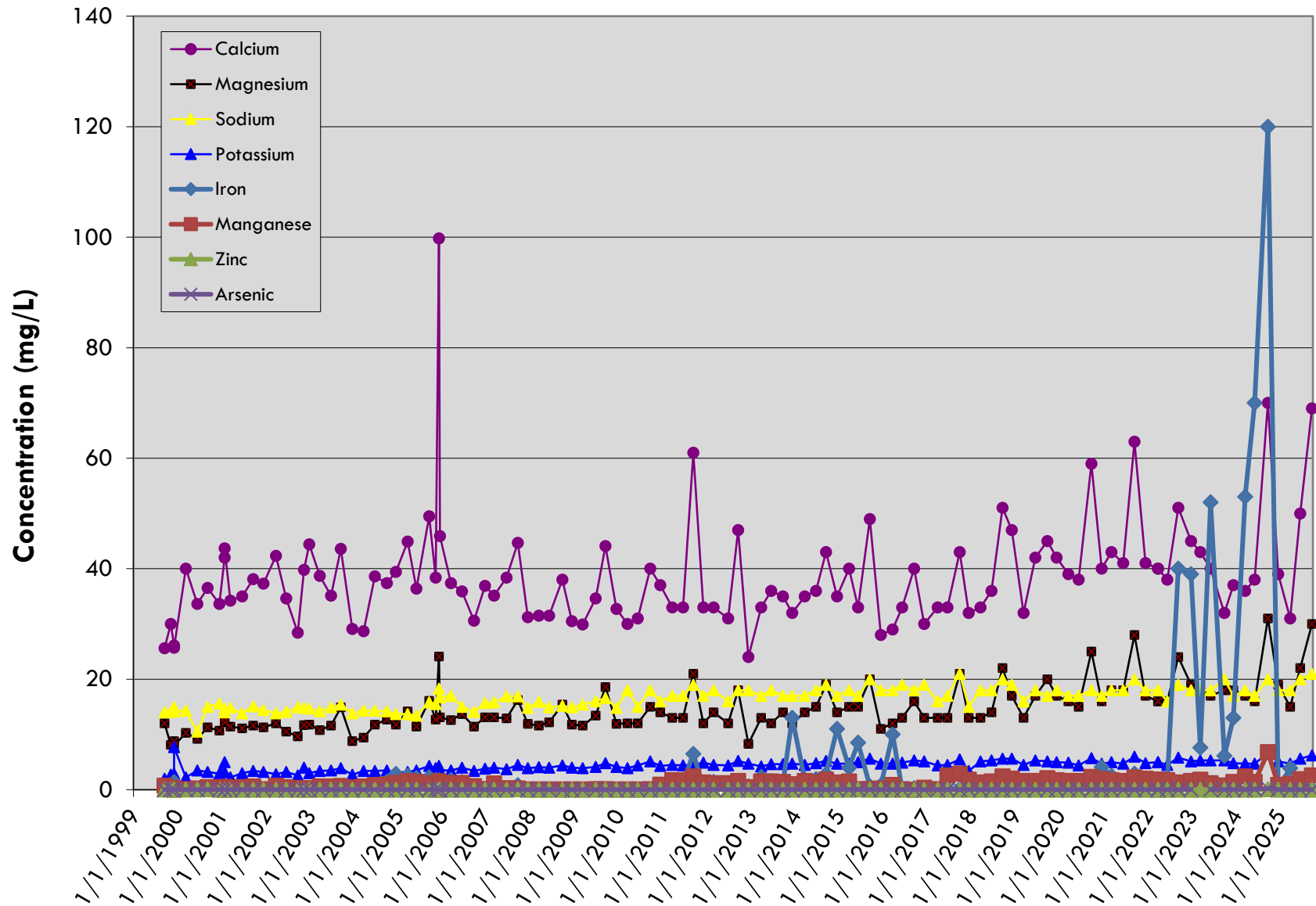
LDCS-9

LRI Landfill, Pierce County, Washington



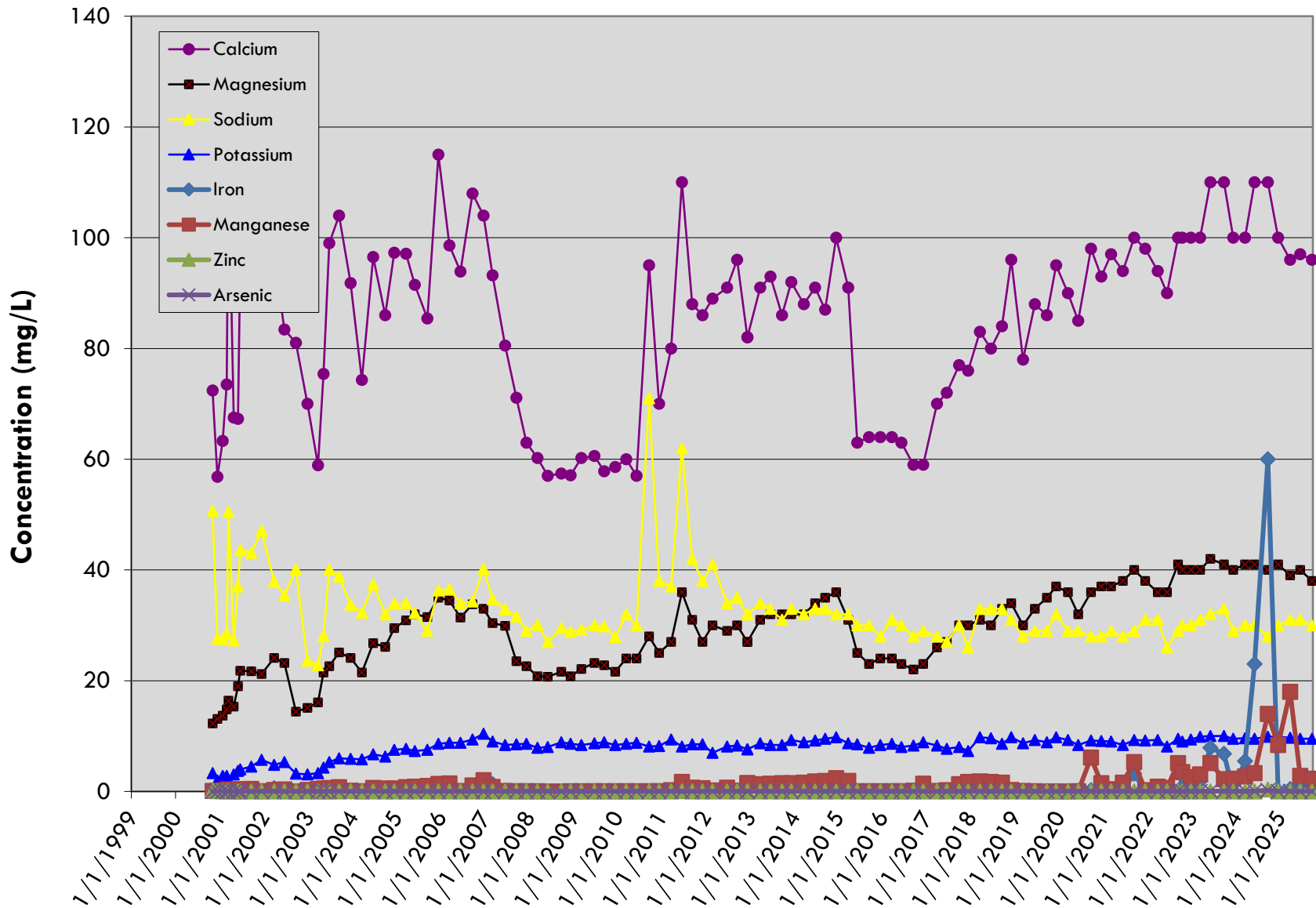
LDCS-1

LRI Landfill, Pierce County, Washington



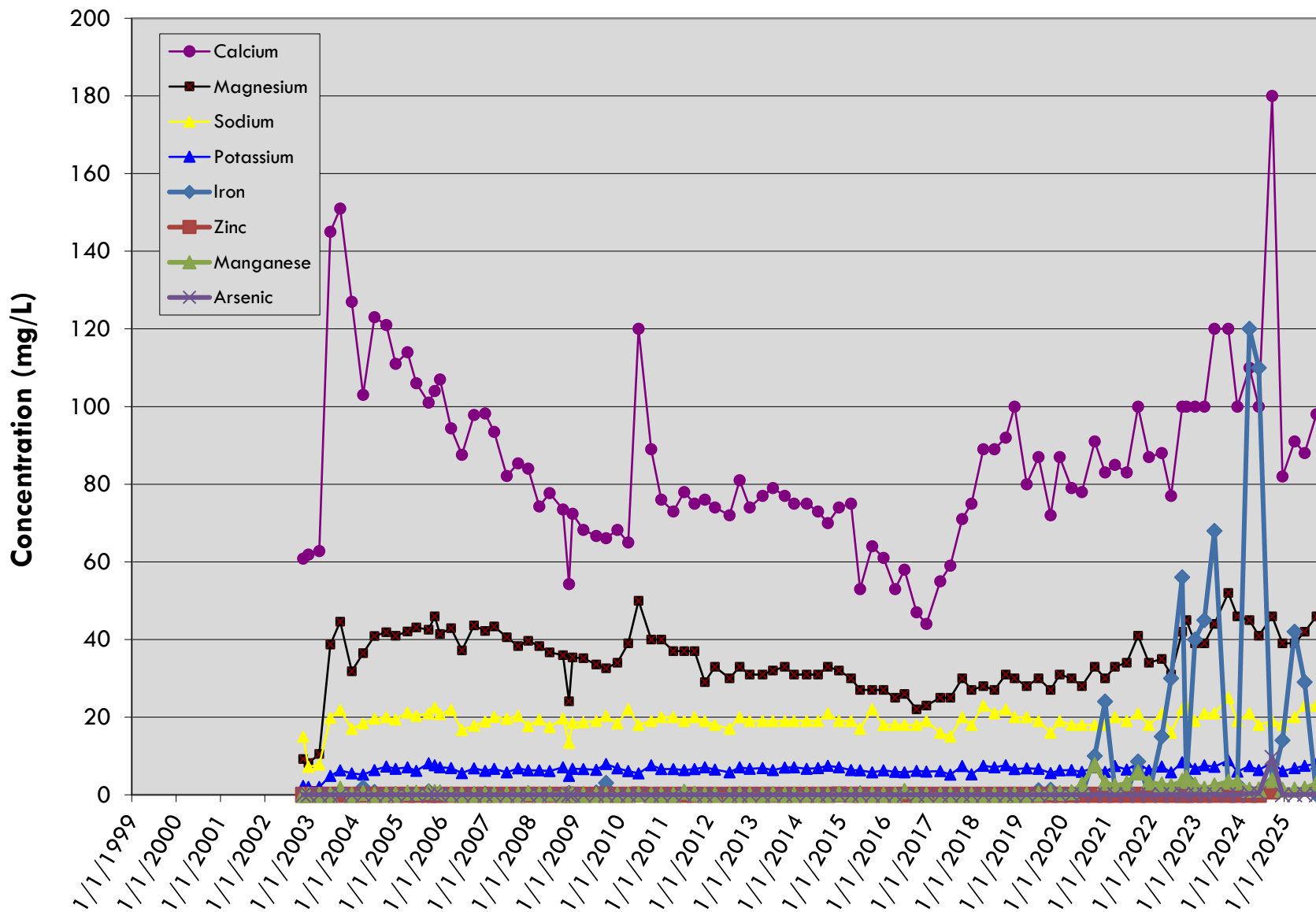
LDCS-2A

LRI Landfill, Pierce County, Washington



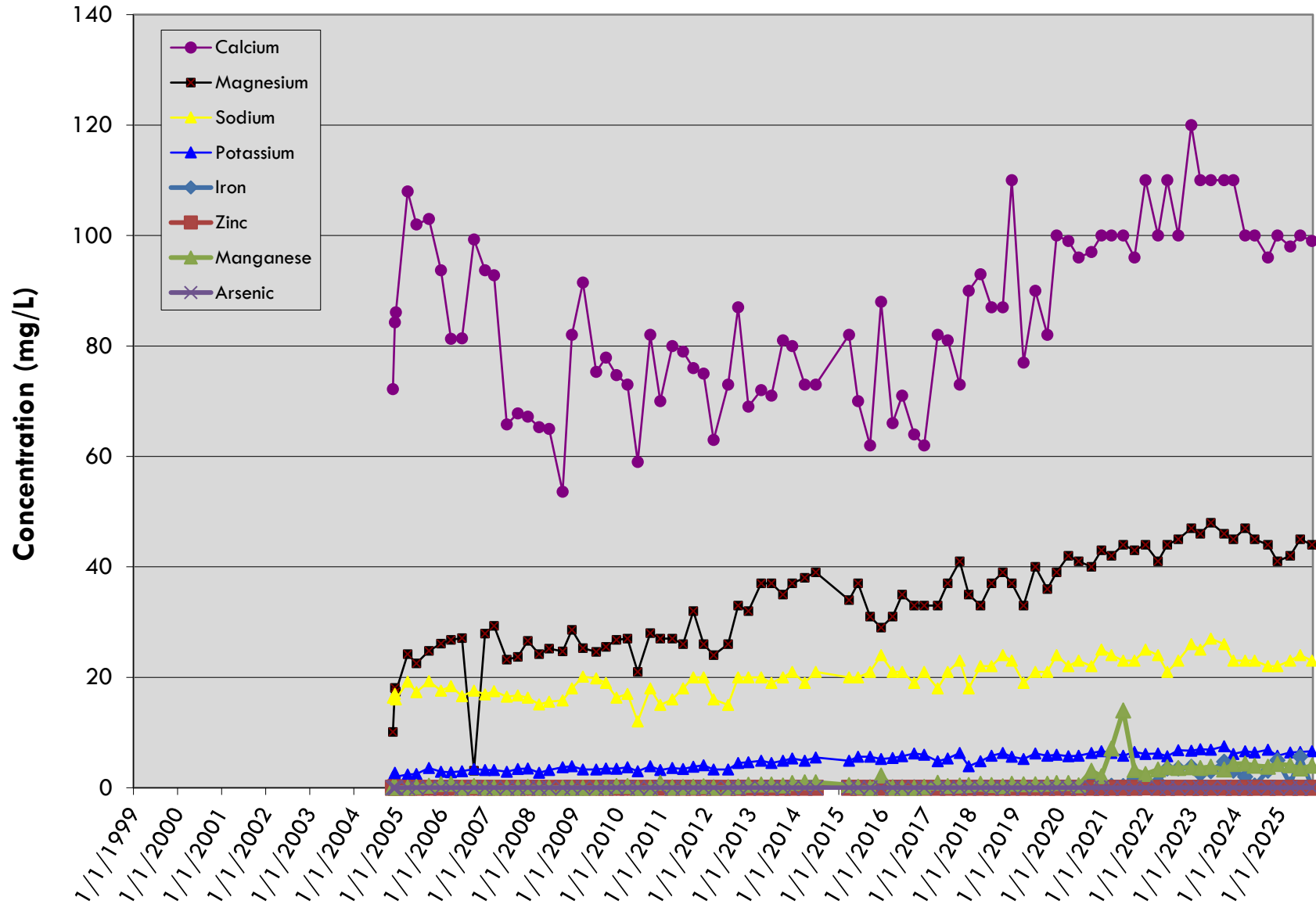
LDCS-2B

LRI Landfill, Pierce County, Washington



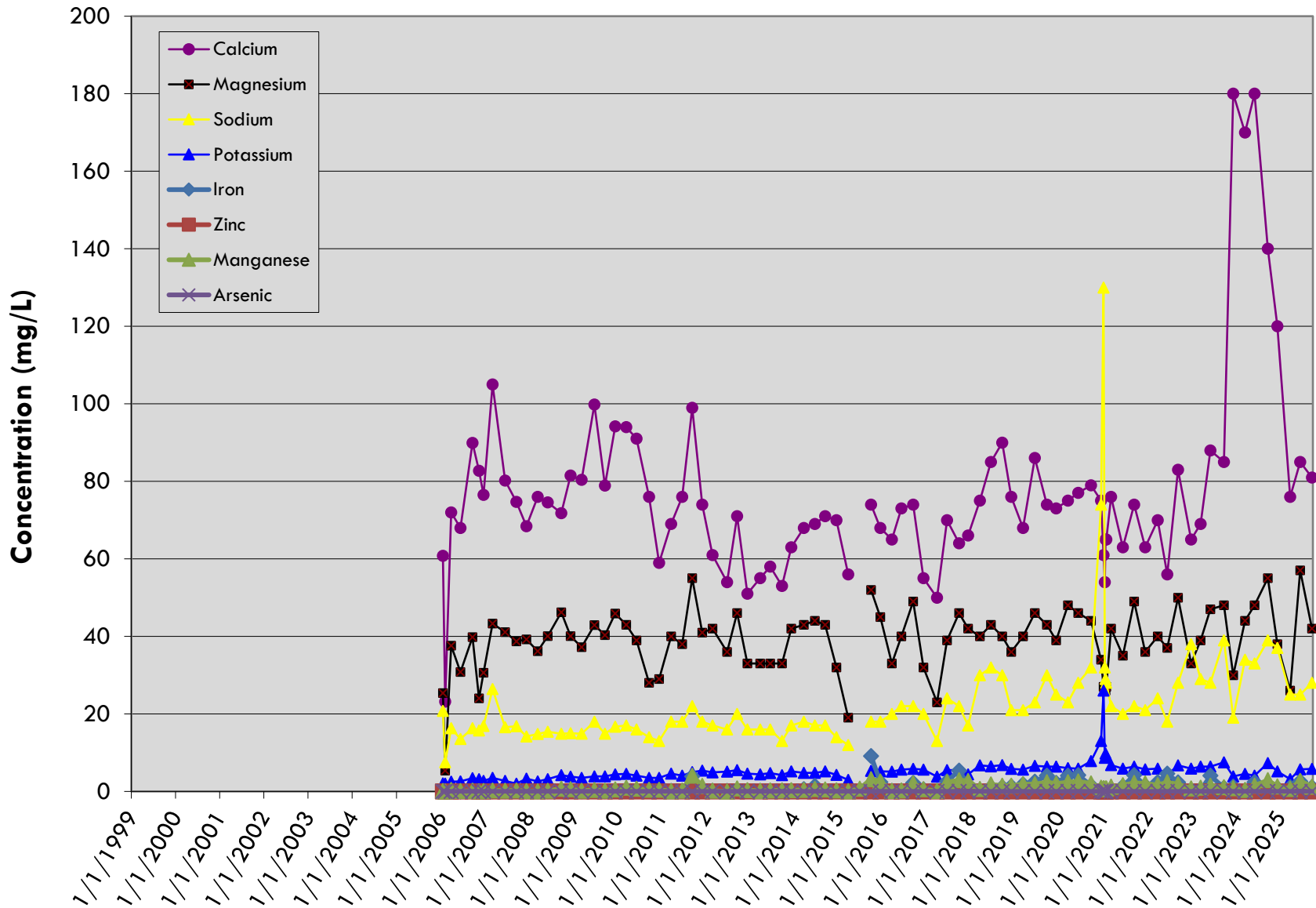
LDCS-3A

LRI Landfill, Pierce County, Washington



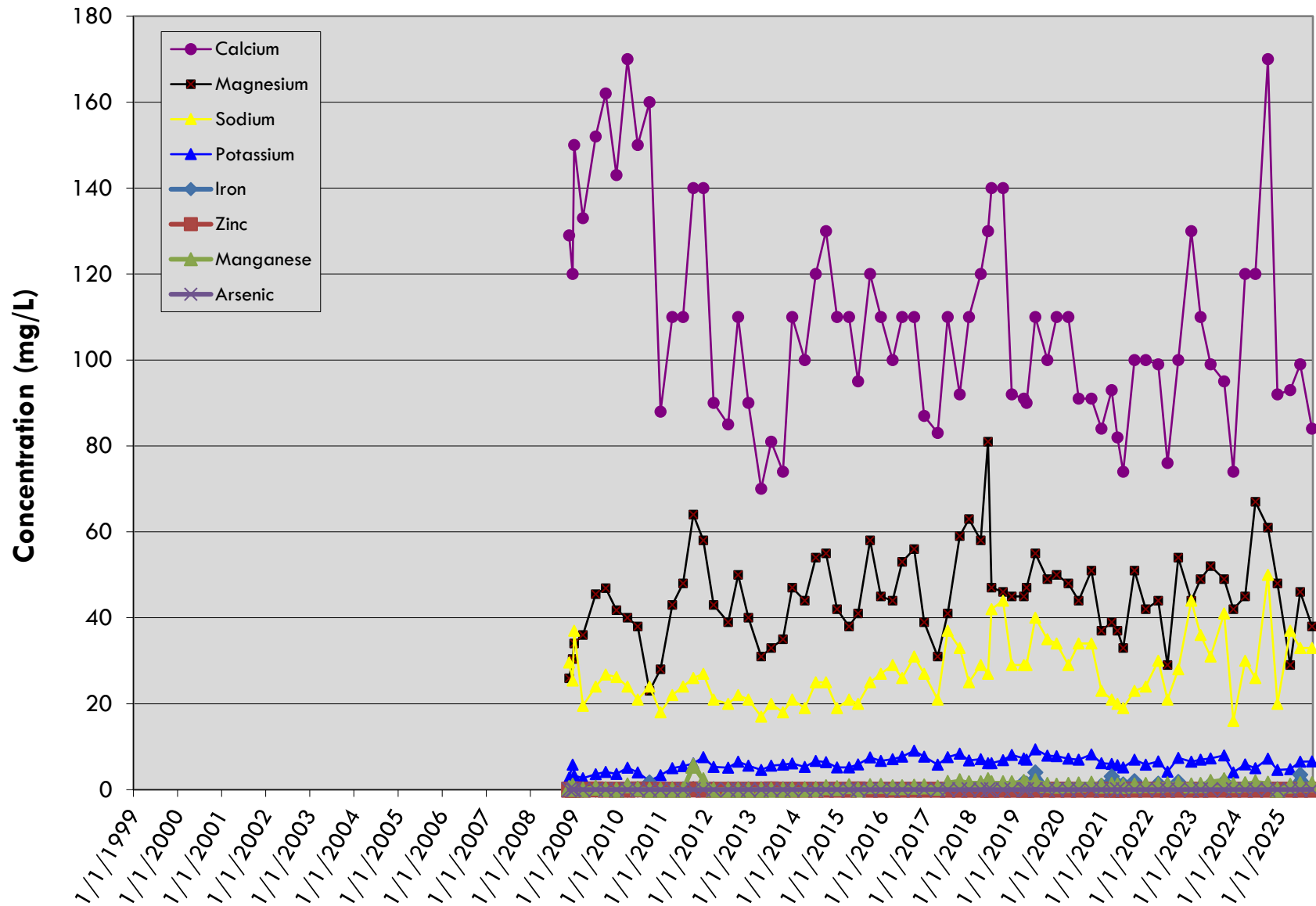
LDCS-4A

LRI Landfill, Pierce County, Washington



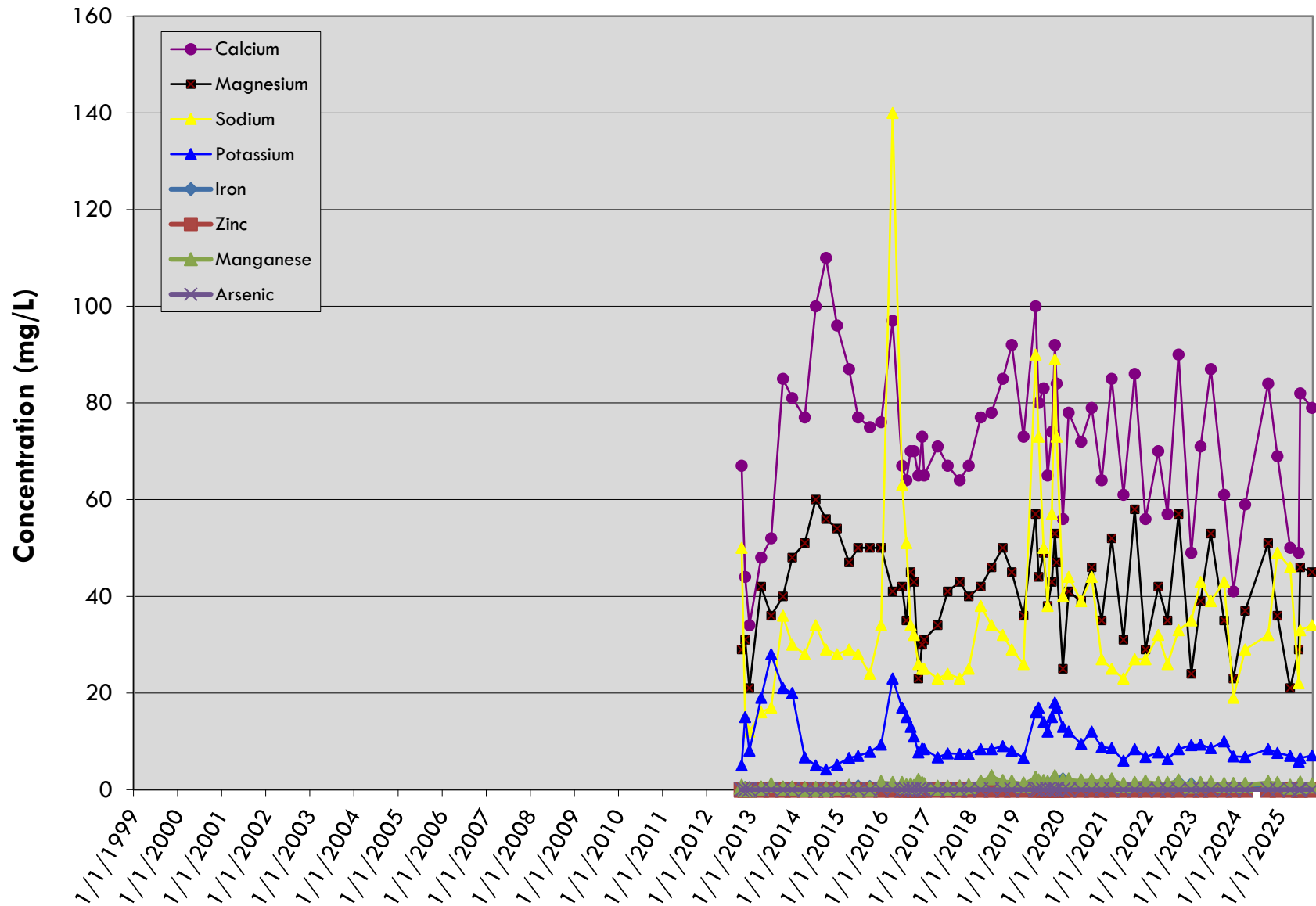
LDCS-4B

LRI Landfill, Pierce County, Washington



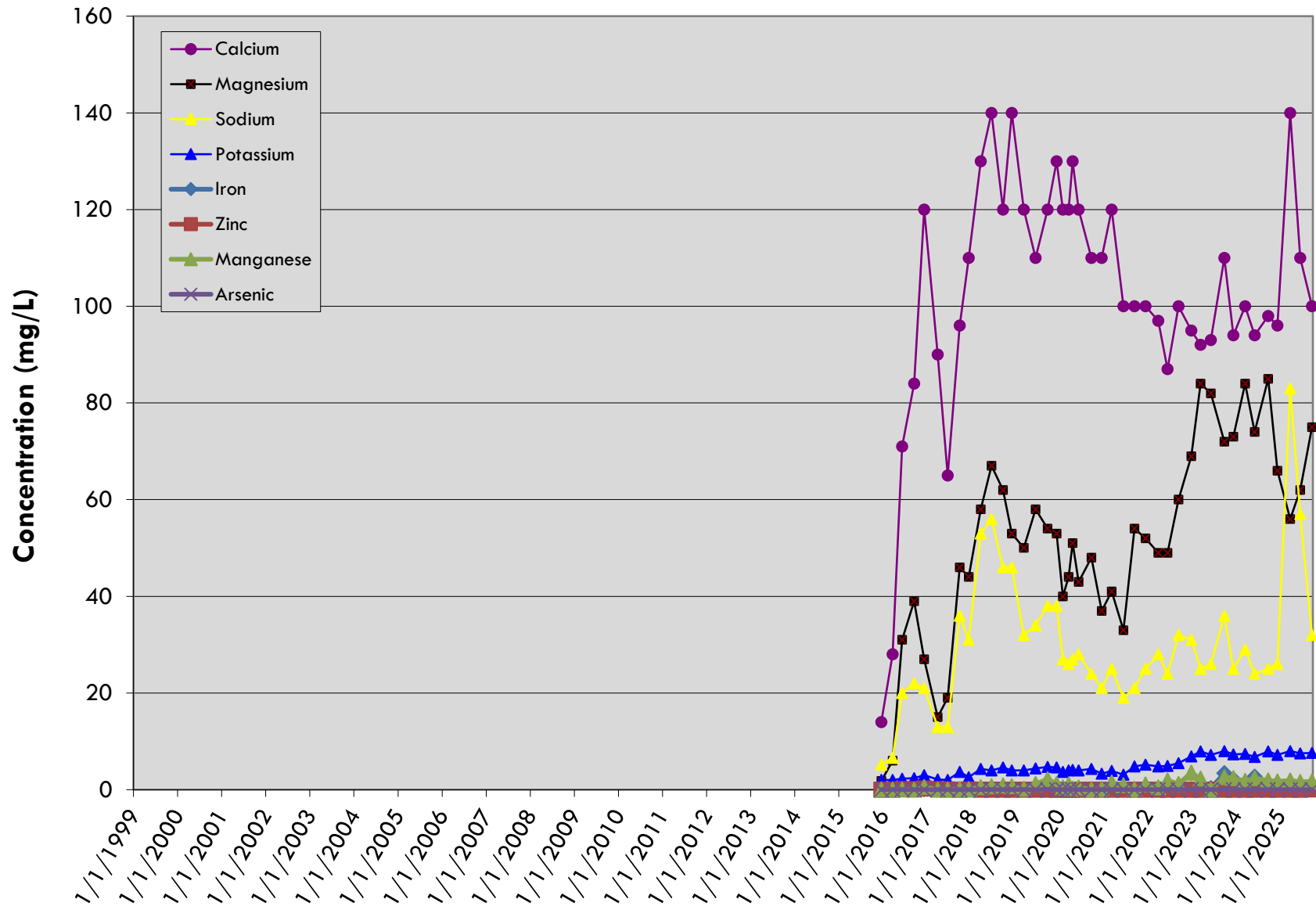
LDCS-5

LRI Landfill, Pierce County, Washington



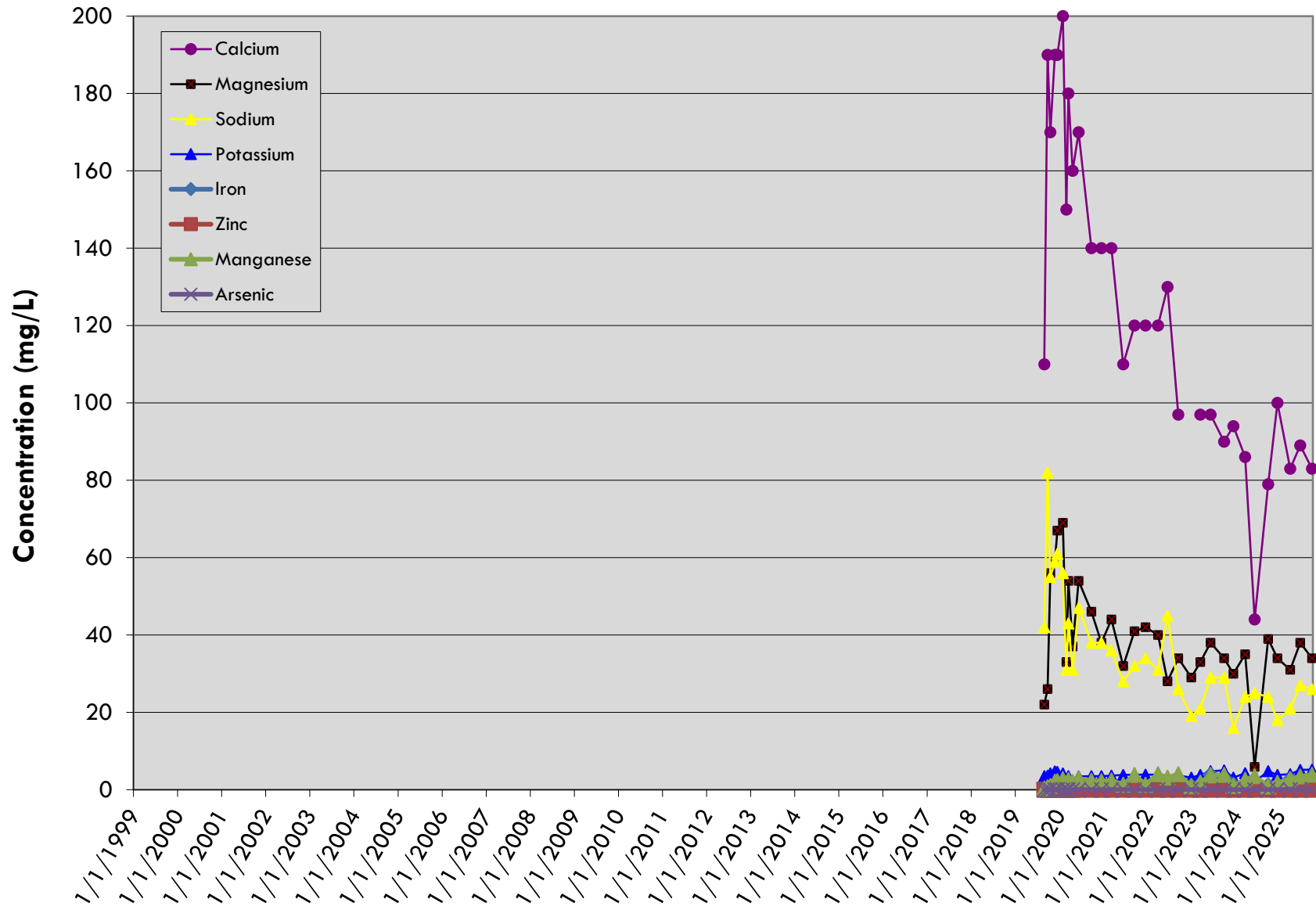
LDCS-6A

LRI Landfill, Pierce County, Washington



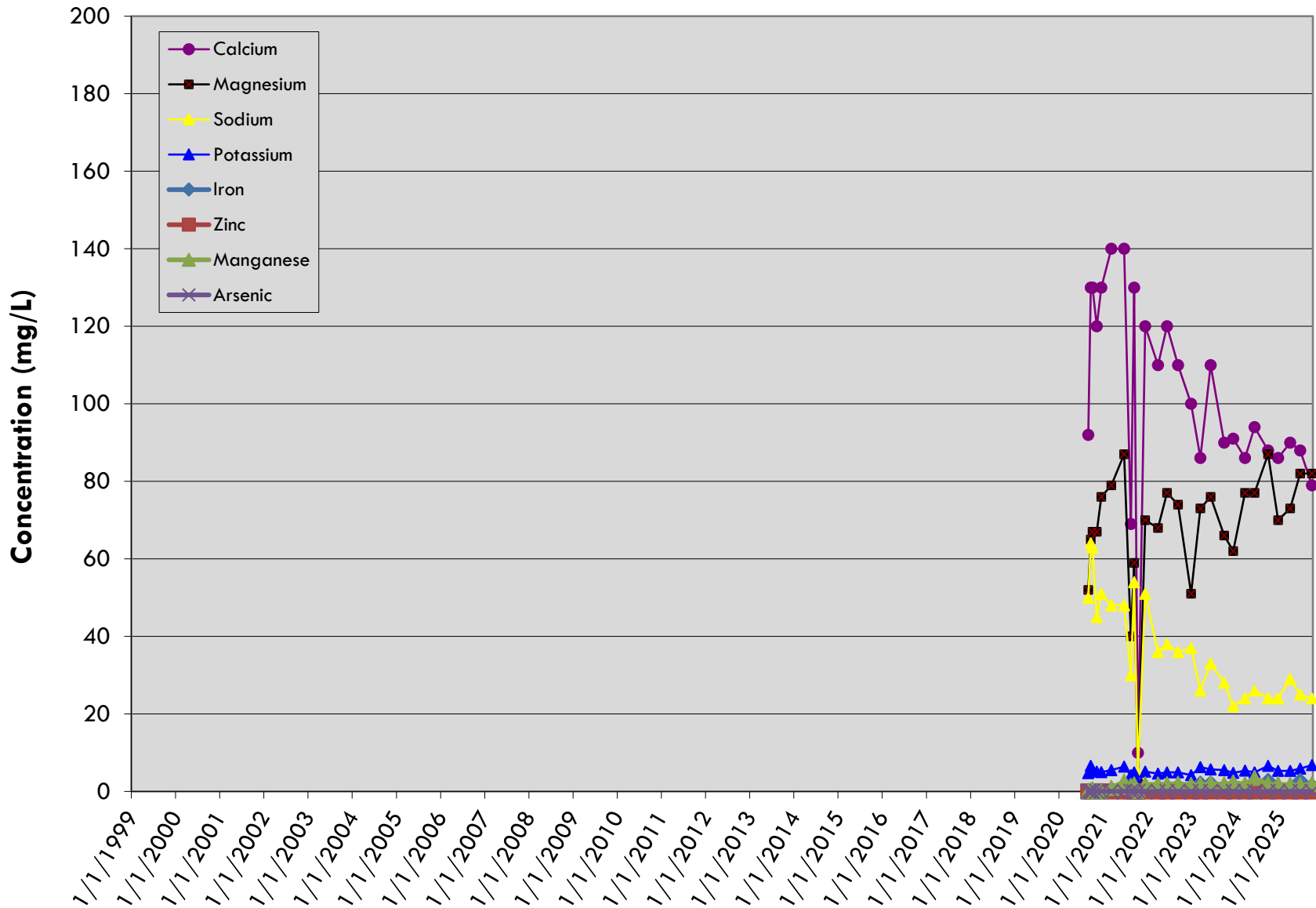
LDCS-7

LRI Landfill, Pierce County, Washington



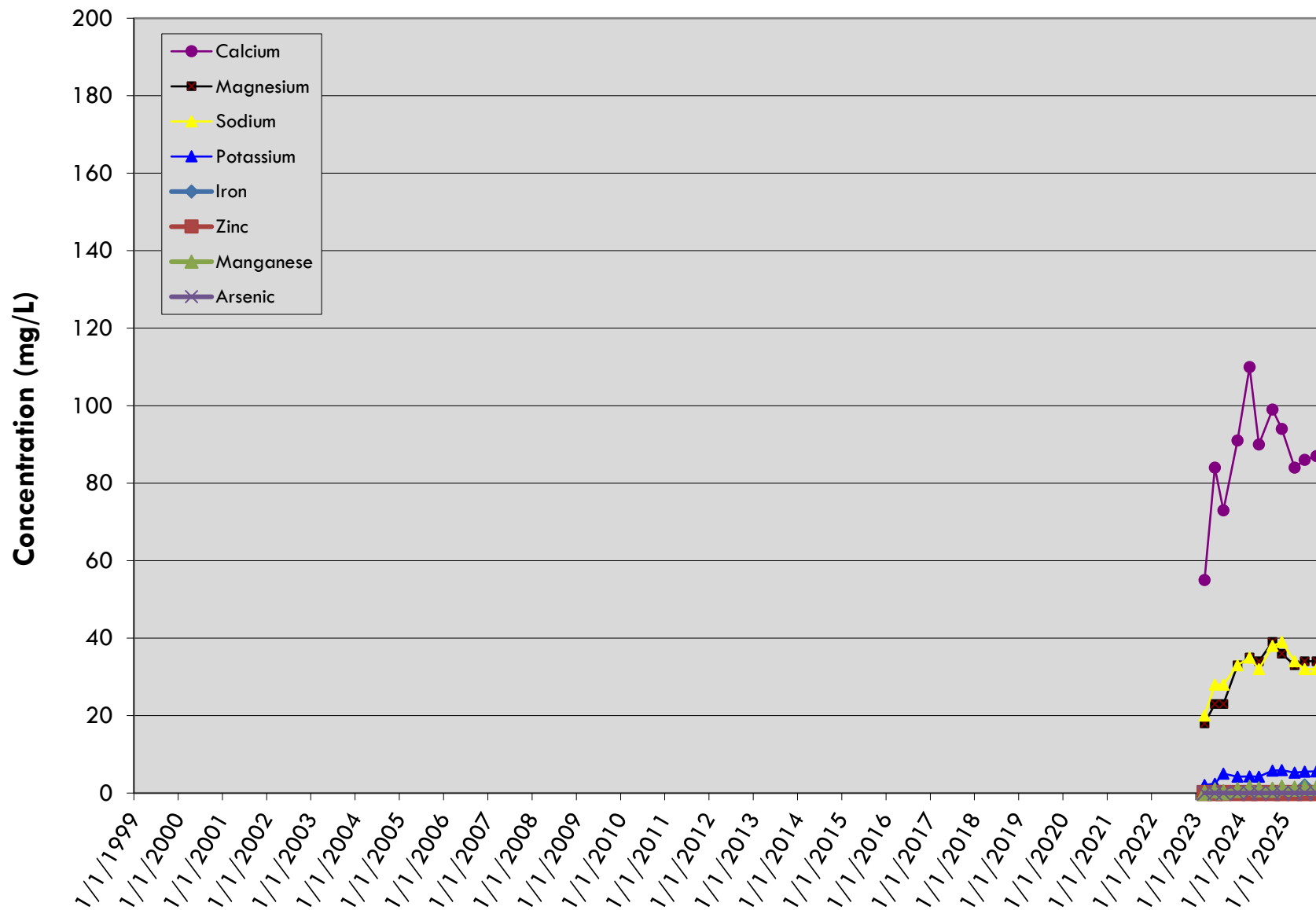
LDCS-8

LRI Landfill, Pierce County, Washington



LDCS-9

LRI Landfill, Pierce County, Washington



Attachment H

LDCS & Leachate Pumping Records and Conductivity Measurements



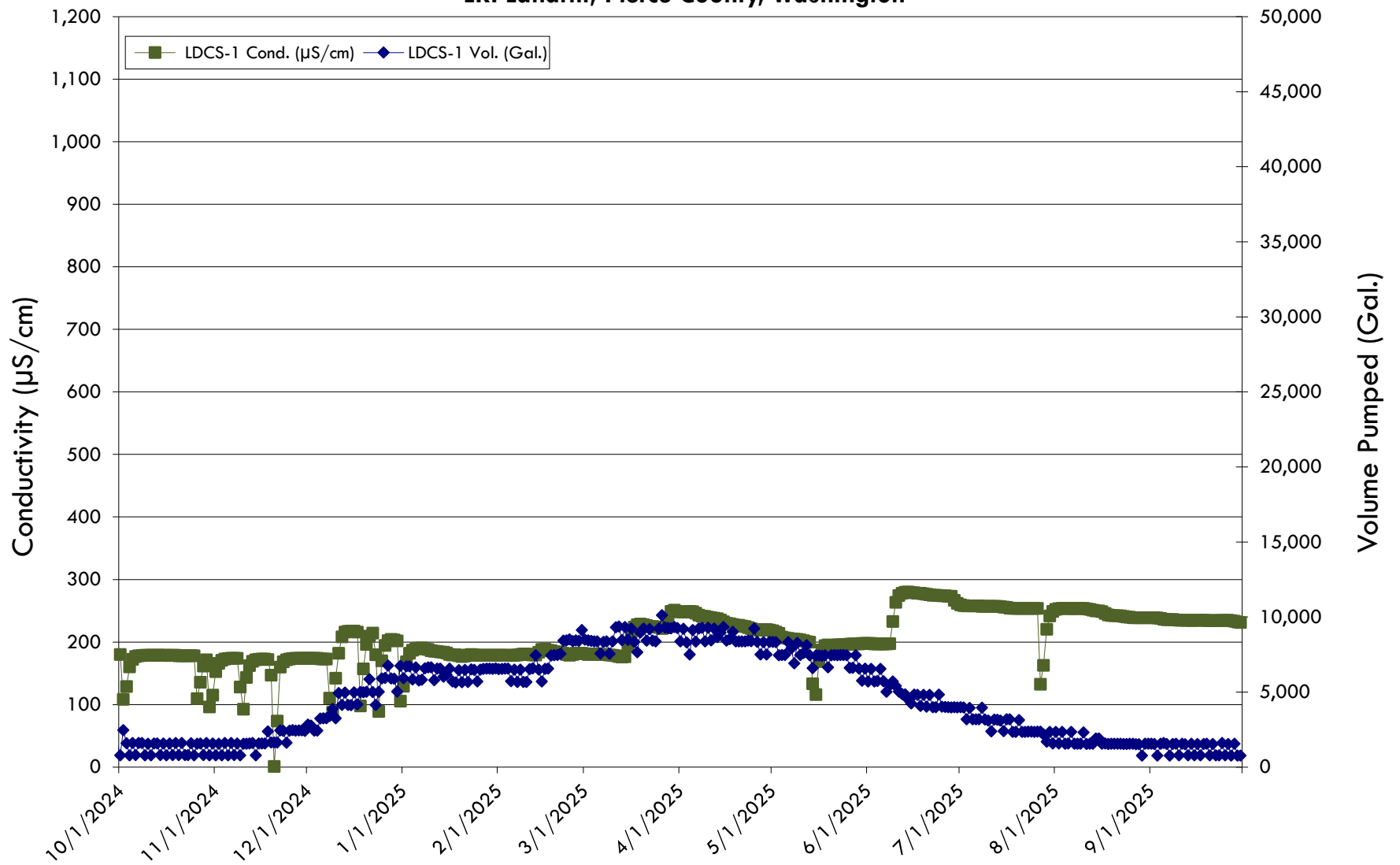
Summary of LDCS Volumes Pumped and Conductivity Data
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Date	Rainfall	LDCS-1 Vol. (Gal.)	LDCS-1 Cond. (µS/cm)	LDCS-2A Vol. (Gal.)	LDCS-2A Cond. (µS/cm)	LDCS-2B Vol. (Gal.)	LDCS-2B Cond. (µS/cm)	LDCS-3A Vol. (Gal.)	LDCS-3A Cond. (µS/cm)	LDCS-4A Vol. (Gal.)	LDCS-4A Cond. (µS/cm)	LDCS-4B Vol. (Gal.)	LDCS-4B Cond. (µS/cm)	LDCS-5 Vol. (Gal.)	LDCS-5 Cond. (µS/cm)	LDCS-6 Vol. (Gal.)	LDCS-6 Cond. (µS/cm)	LDCS-7 Vol. (Gal.)	LDCS-7 Cond. (µS/cm)	LDCS-8 Vol. (Gal.)	LDCS-8 Cond. (µS/cm)	LDCS-9 Vol. (Gal.)	LDCS-9 Cond. (µS/cm)	
7/1/2025	0.00	3,990	259	9,380	992	452	660	2,960	934	0	550	0	415	525	999	0	1,191	0	813	1,351	-	-	-	-
7/2/2025	0.00	3,970	258	9,310	980	387	687	2,960	931	0	518	9	424	485	1,000	0	1,178	0	815	1,087	-	-	-	-
7/3/2025	0.00	3,180	258	9,190	959	449	731	2,950	930	0	484	0	432	483	1,000	0	1,180	0	814	1,086	-	-	-	-
7/4/2025	0.00	3,950	258	9,270	951	0	720	2,970	931	0	0	5	438	444	1,000	0	0	0	0	1,337	-	-	-	-
7/5/2025	0.00	3,190	258	9,360	933	0	686	2,360	928	0	0	5	450	407	1,000	0	0	0	0	1,082	-	-	-	-
7/6/2025	0.00	3,180	258	9,170	939	0	668	2,950	926	0	0	1	460	406	1,000	0	0	5,702	0	1,081	-	-	-	-
7/7/2025	0.00	3,190	258	9,290	964	1,818	711	2,960	930	0	493	0	468	405	1,000	0	1,165	0	805	1,078	-	-	-	-
7/8/2025	0.00	3,960	257	7,760	965	452	701	2,950	932	0	501	3	473	367	1,000	0	1,161	4,659	801	1,080	-	-	-	-
7/9/2025	0.00	3,170	257	9,220	953	387	725	2,360	932	0	472	15	474	331	1,000	0	1,160	0	808	816	-	-	-	-
7/10/2025	0.00	3,100	257	9,200	925	389	681	2,960	929	0	464	1	474	366	999	0	1,160	0	808	1,087	-	-	-	-
7/11/2025	0.00	2,380	257	9,240	923	388	674	2,360	929	0	511	2	475	329	942	0	1,155	0	799	1,082	-	-	-	-
7/12/2025	0.00	3,170	257	7,860	939	0	696	2,960	933	0	0	35	476	328	926	0	0	0	0	1,081	-	-	-	-
7/13/2025	0.00	3,160	257	9,110	947	0	724	2,350	937	0	0	9	477	327	972	0	0	5,078	0	810	-	-	-	-
7/14/2025	0.00	3,110	256	7,870	954	1,158	707	2,950	938	0	532	1	480	328	990	3,462	1,147	0	808	1,082	-	-	-	-
7/15/2025	0.00	2,390	256	9,200	961	422	677	2,360	938	0	520	1	485	291	989	3,562	1,231	0	804	810	-	-	-	-
7/16/2025	0.00	3,180	255	7,920	961	348	666	2,950	939	0	504	0	482	328	862	4	1,259	4,627	804	1,076	-	-	-	-
7/17/2025	0.00	3,180	254	7,880	960	386	674	2,960	939	0	512	0	477	327	812	0	1,247	0	802	808	-	-	-	-
7/18/2025	0.00	2,350	254	9,190	958	515	659	2,360	938	0	528	9	479	327	701	0	1,236	0	812	810	-	-	-	-
7/19/2025	0.00	2,350	254	7,870	939	0	645	2,370	938	0	0	0	484	291	724	0	0	0	0	814	-	-	-	-
7/20/2025	0.00	3,140	254	7,880	944	0	663	2,370	937	0	0	24	490	323	793	3	0	4,923	0	814	-	-	-	-
7/21/2025	0.00	2,340	254	7,880	951	1,035	663	2,960	940	0	499	2	494	287	873	0	1,207	0	800	812	-	-	-	-
7/22/2025	0.00	2,340	254	9,180	948	387	676	2,360	943	0	480	2	497	285	843	0	1,207	0	800	815	-	-	-	-
7/23/2025	0.00	2,370	254	7,840	945	322	692	2,370	944	0	518	5	499	251	927	0	1,195	0	800	811	-	-	-	-
7/24/2025	0.00	2,360	254	7,870	942	387	699	2,350	944	0	0	2	502	286	951	1	0	4,536	0	812	-	-	-	-
7/25/2025	0.00	2,350	254	7,860	940	386	688	2,360	943	0	478	2	505	249	964	0	1,190	0	793	542	-	-	-	-
7/26/2025	0.00	2,370	254	7,850	952	0	677	2,370	943	0	0	11	508	250	977	0	0	0	0	811	-	-	-	-
7/27/2025	0.00	2,360	132	6,510	502	0	750	2,360	945	0	0	0	506	249	260	2	0	0	0	542	-	-	-	-
7/28/2025	0.00	2,180	163	7,750	615	1,033	759	2,360	944	0	557	0	510	249	-89	0	1,175	3,961	800	811	-	-	-	-
7/29/2025	0.00	1,690	220	7,820	823	388	730	2,360	945	0	545	0	514	248	-33	0	1,165	1,809	782	539	-	-	-	-
7/30/2025	0.00	2,350	242	7,780	901	322	750	2,360	947	0	578	0	517	248	-12	0	1,164	0	776	810	-	-	-	-
7/31/2025	0.00	1,570	249	6,530	939	322	692	1,770	948	0	0	159	521	249	-4	0	1,161	0	788	538	-	-	-	-
8/1/2025	0.00	2,350	252	7,800	955	387	670	2,360	948	0	624	0	524	214	-1	0	1,164	0	803	538	-	-	-	-
8/2/2025	0.00	1,570	253	6,560	945	0	651	2,370	948	0	0	1	526	249	0	0	0	0	0	539	-	-	-	-
8/3/2025	0.00	2,340	254	7,820	933	0	648	1,760	948	0	0	2	526	213	0	0	0	4,462	0	539	-	-	-	-
8/4/2025	0.00	1,560	254	6,530	948	967	640	2,370	950	0	583	0	526	212	0	0	1,164	0	781	540	-	-	-	-
8/5/2025	0.00	1,570	254	6,500	963	387	637	2,360	952	0	558	1	527	248	1	1	1,161	0	807	538	-	-	-	-
8/6/2025	0.00	2,340	253	7,820	967	258	636	1,780	952	0	598	12	528	213	371	0	1,156	0	802	539	-	-	-	-
8/7/2025	0.00	1,550	254	6,540	973	324	636	2,360	952	0	607	13	526	248	764	0	1,158	4,460	799	541	-	-	-	-
8/8/2025	0.00	1,560	254	6,470	967	325	641	1,770	951	0	443	4	513	249	909	0	1,153	0	784	536	-	-	-	-
8/9/2025	0.00	1,550	254	6,510	965	0	646	2,370	953	0	0	1	505	248	966	0	0	0	0	539	-	-	-	-
8/10/2025	0.00	2,310	254	5,190	974	0	640	1,760	955	0	0	0	506	212	987	0	0	0	0	537	-	-	-	-
8/11/2025	0.00	1,540	253	6,560	985	968	640	2,360	956	0	494	1	512	249	995	0	1,150	4,482	794	536	-	-	-	-
8/12/2025	0.00	1,550	252	6,540	987	321	678	2,360	957	0	541	2	519	213	998	0	1,146	0	787	534	-	-	-	-
8/13/2025	0.00	1,560	251	6,520	983	384	750	1,770	957	0	530	1	525	212	999	0	1,148	0	803	266	-	-	-	-
8/14/2025	0.00	1,910	250	6,540	984	255	711	2,360	956	0	497	3	529	248	1,000	0	1,151	0	806	537	-	-	-	-
8/15/2025	0.00	1,910	250	5,230	979	322	664	1,780	956	0	485	0	531	251	994	0	1,152	0	804	542	-	-	-	-
8/16/2025	0.00	1,550	249	6,580	981	0	646	2,960	958	0	0	0	507	2,013	859	0	0	0	0	272	-	-	-	-
8/17/2025	0.00	1,570	246	6,470	975	0	637	2,960	962	0	0	2	481	650	691	3	0	5,519	0	268	-	-	-	-
8/18/2025	0.00	1,540	244	5,230	970	4,950	635	2,970	970	0	535	48	468	474	732	0	1,144	0	769	427	-	-	-	-
8/19/2025	0.00	1,560	243	6,550	971	4,383	636	2,950	974	0	494	93	457	554	874	0	1,141	4,460	778	991	-	-	-	-
8/20/2025	0.00	1,550	242	5,240	964	8,849	636	2,360	976	0	516	96	430	519	890	0	1,149	0	762	545	-	-	-	-
8/21/2025	0.00	1,560	242	6,490	951	0	673	2,360	976	0	530	29	413	479	880	0	1,143	0	767	542	-	-	-	-
8/22/2025	0.00	1,550	242	6,530	962	0	753	2,360	979	0	471	13	409	440	840	0	1,145	0	779	271	-	-	-	-
8/23/2025	0.00	1,540	241	5,190	980	0	725	1,770	982	0	0	181	416	366	769	0	0	0	0	540	-	-	-	-
8/24/2025	0.00	1,540	240	6,500	990	0	676	1,770	981	0	0	35	430	366	720	0	0	5,002	0	544	-	-	-	-
8/25/2025	0.00	1,550	240	5,210	996	0	655	2,360	978	0	518	15	452	364	702	0	1,144	406	750	268	-	-	-	-
8/26/2025	0.00	1,550	239	6,570	995	0	662	1,770	974	0	511	0	467	329	727	0	1,144	0	777	545	-	-	-	-
8/27/2025	0.00	1,530	239	5,300	993	0	743	1,770	972	0	526	2	476	329	734	0	1,141	1	792	271	-	-	-	-
8/28/2025	0.00	1,520	239	5,270	995	0	727	1,770	968	0	530	231	479	291	733	0	1,144	0	800	273	-	-	-	-
8/29/2025	0.00	770	239	6,550	994	0	671	1,780	966	0	543	46	483	291	707	0	1,143	0						

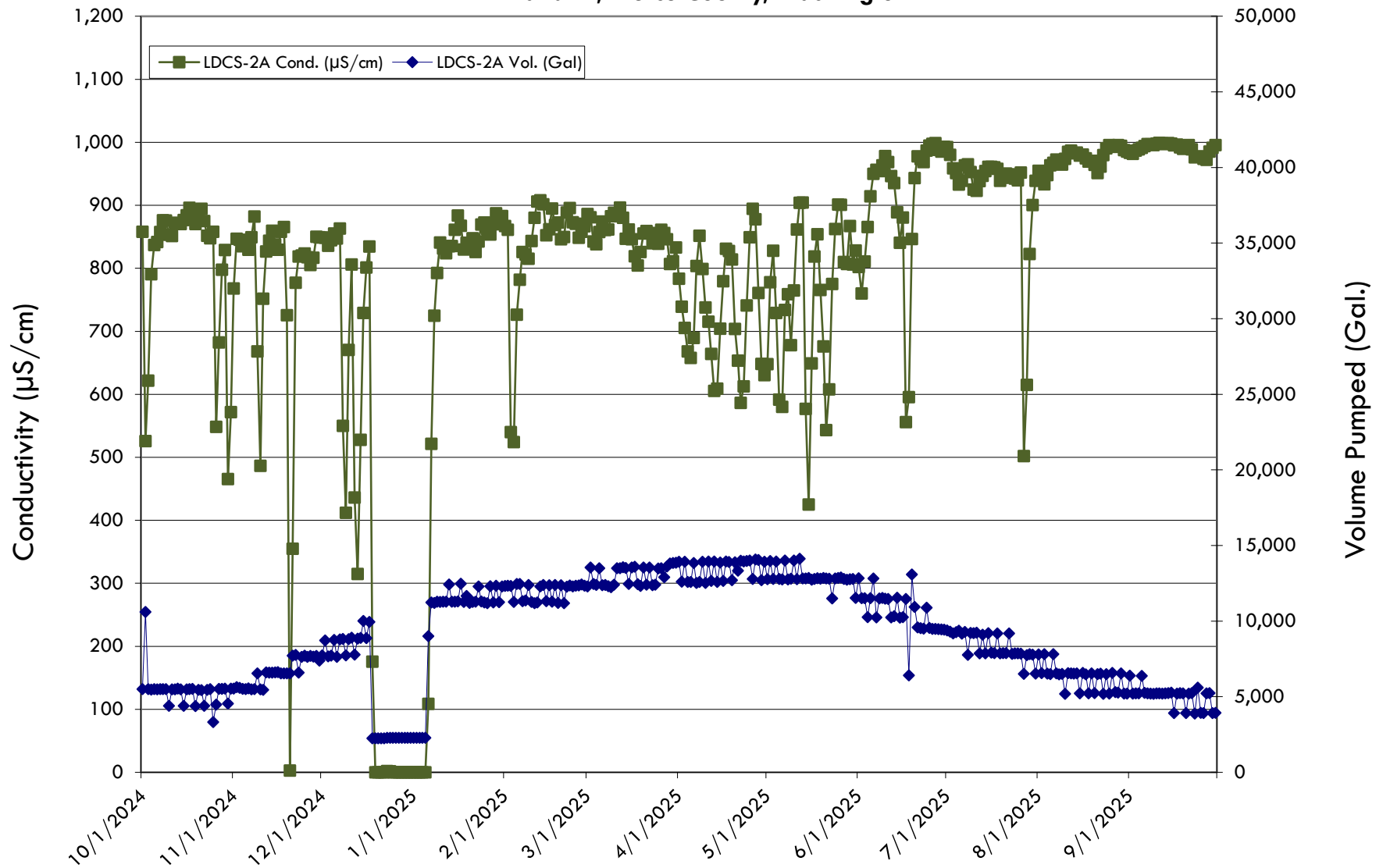
Summary of LDCS Volumes Pumped and Conductivity Data
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Date	Rainfall	LDCS-1 Vol. (Gal.)	LDCS-1 Cond. (µS/cm)	LDCS-2A Vol. (Gal.)	LDCS-2A Cond. (µS/cm)	LDCS-2B Vol. (Gal)	LDCS-2B Cond. (µS/cm)	LDCS-3A Vol. (Gal)	LDCS-3A Cond. (µS/cm)	LDCS-4A Vol. (Gal)	LDCS-4A Cond. (µS/cm)	LDCS-4B Vol. (Gal)	LDCS-4B Cond. (µS/cm)	LDCS-5 Vol. (Gal)	LDCS-5 Cond. (µS/cm)	LDCS-6 Vol. (Gal)	LDCS-6 Cond. (µS/cm)	LDCS-7 Vol. (Gal)	LDCS-7 Cond. (µS/cm)	LDCS-8 Vol. (Gal)	LDCS-8 Cond. (µS/cm)	LDCS-9 Vol. (Gal)	LDCS-9 Cond. (µS/cm)
9/1/2025	0.00	1,550	239	6,390	983	0	638	1,770	970	0	554	41	496	254	735	0	1,148	0	785	543	-	-	-
9/2/2025	0.00	1,540	239	5,200	982	0	637	1,180	971	0	516	222	500	252	713	0	1,142	4,443	792	269	-	-	-
9/3/2025	0.00	760	238	5,230	987	0	637	1,760	971	0	523	66	506	252	485	0	1,143	0	760	272	-	-	-
9/4/2025	0.00	1,550	238	5,230	989	0	637	1,770	971	0	494	185	511	216	230	0	1,145	1	770	542	-	-	-
9/5/2025	0.00	1,600	236	6,370	991	0	636	1,940	969	0	0	166	516	215	554	0	0	0	0	269	-	-	-
9/6/2025	0.00	1,540	236	5,250	994	0	635	1,770	968	0	0	64	520	179	614	0	0	0	0	270	-	-	-
9/7/2025	0.00	770	236	5,230	997	0	636	1,180	966	0	0	136	524	215	701	0	0	4,418	0	273	-	-	-
9/8/2025	0.00	1,540	236	5,210	997	0	636	1,780	966	0	544	56	557	214	703	0	1,148	0	797	543	-	-	-
9/9/2025	0.00	1,550	235	5,190	995	0	636	1,770	969	0	523	165	617	179	769	0	1,146	1	797	271	-	-	-
9/10/2025	0.00	780	235	5,220	998	0	643	1,770	972	0	526	133	677	178	810	0	1,143	0	796	270	-	-	-
9/11/2025	0.00	1,560	235	5,220	999	0	645	1,180	974	0	0	453	699	178	884	0	0	0	0	272	-	-	-
9/12/2025	0.00	1,530	235	5,200	998	0	638	1,770	973	0	531	380	693	178	929	0	1,149	0	0	272	-	-	-
9/13/2025	0.00	780	235	5,220	997	0	637	1,770	973	0	0	431	675	142	955	0	0	0	0	543	-	-	-
9/14/2025	0.00	1,560	235	5,240	999	0	636	1,780	974	0	0	611	655	177	976	0	0	0	0	273	-	-	-
9/15/2025	0.00	780	235	5,270	998	0	696	1,180	972	0	490	492	637	141	987	0	1,144	0	0	270	-	-	-
9/16/2025	0.00	1,540	235	3,920	995	0	705	1,770	971	0	505	372	623	141	986	0	1,145	0	0	268	-	-	-
9/17/2025	0.00	780	235	5,200	996	0	682	1,770	975	0	536	477	613	141	952	0	1,138	0	0	268	-	-	-
9/18/2025	0.00	1,540	235	5,240	992	0	674	1,190	978	0	0	657	606	141	942	0	0	0	0	268	-	-	-
9/19/2025	0.00	1,550	235	5,220	990	0	679	1,770	977	0	496	475	601	141	901	0	1,147	0	1	271	-	-	-
9/20/2025	0.00	780	234	3,920	994	0	670	1,180	978	0	0	308	596	105	901	0	0	0	0	269	-	-	-
9/21/2025	0.00	1,540	234	5,200	996	0	653	1,770	979	0	0	308	594	177	941	0	0	4,473	0	273	-	-	-
9/22/2025	0.00	780	234	5,240	989	507	732	1,770	977	0	512	151	595	177	962	0	1,146	0	1	270	-	-	-
9/23/2025	0.00	790	235	3,890	976	135	692	1,180	970	0	504	95	589	178	949	0	1,143	0	0	270	-	-	-
9/24/2025	0.00	1,600	235	5,600	978	0	660	1,400	973	0	475	23	559	177	876	0	1,146	0	0	393	-	-	-
9/25/2025	0.00	780	234	3,930	977	293	662	1,780	979	0	492	214	534	178	871	0	1,147	0	0	269	-	-	-
9/26/2025	0.00	1,540	235	3,910	974	0	664	1,770	981	0	0	99	526	178	860	0	1,142	0	0	270	-	-	-
9/27/2025	0.00	760	234	5,230	972	0	673	1,170	982	0	0	248	527	213	808	0	0	0	0	268	-	-	-
9/28/2025	0.00	1,550	233	5,240	985	0	706	1,780	984	0	0	243	529	178	775	0	0	0	0	267	-	-	-
9/29/2025	0.00	770	232	3,920	991	0	709	1,190	984	0	552	371	532	153	828	0	1,152	0	776	271	-	-	-
9/30/2025	0.00	770	231	3,930	996	115	677	1,770	981	0	582	388	536	183	783	0	1,146	0	794	267	-	-	-

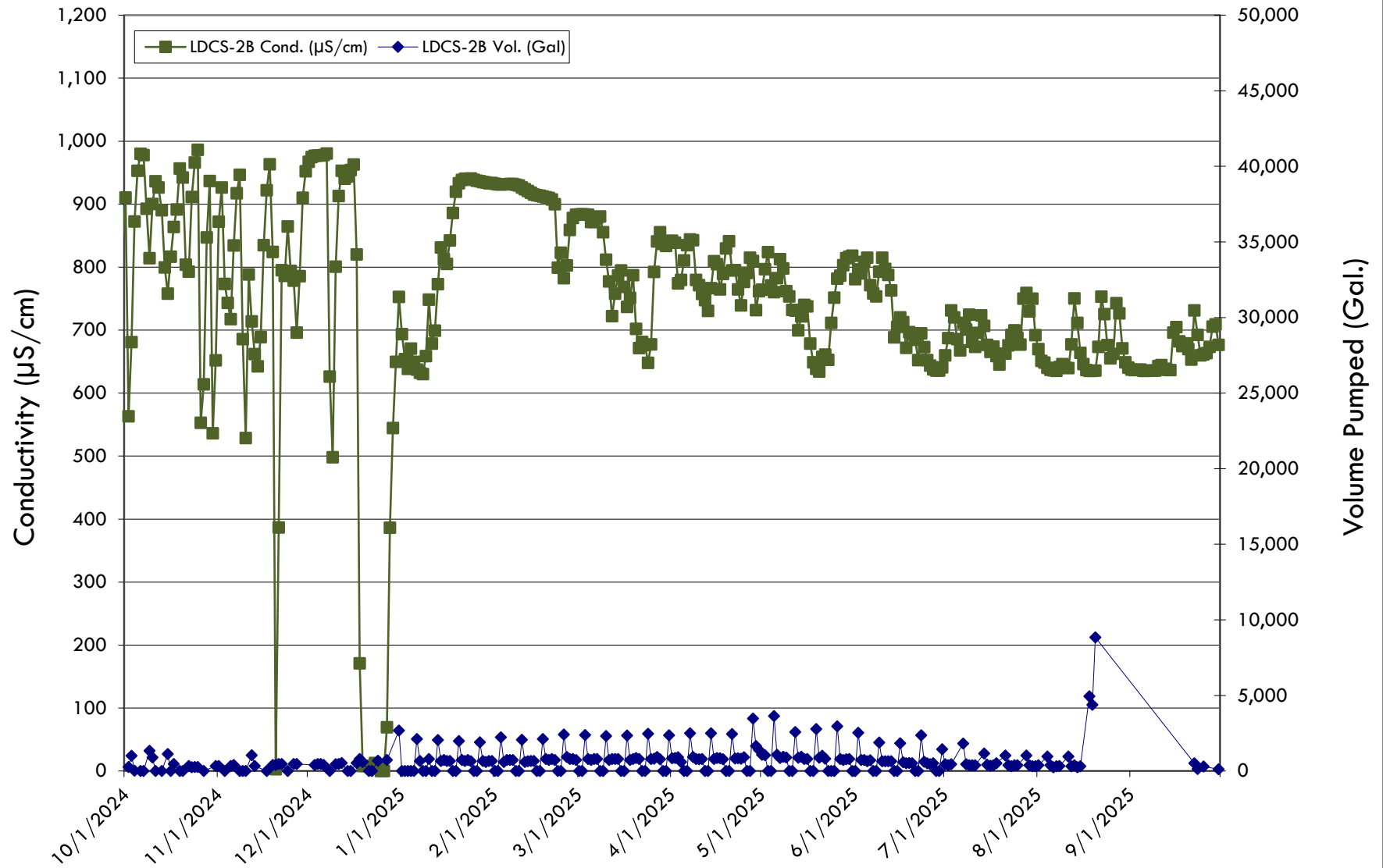
LDCS-1 (DailyTotals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



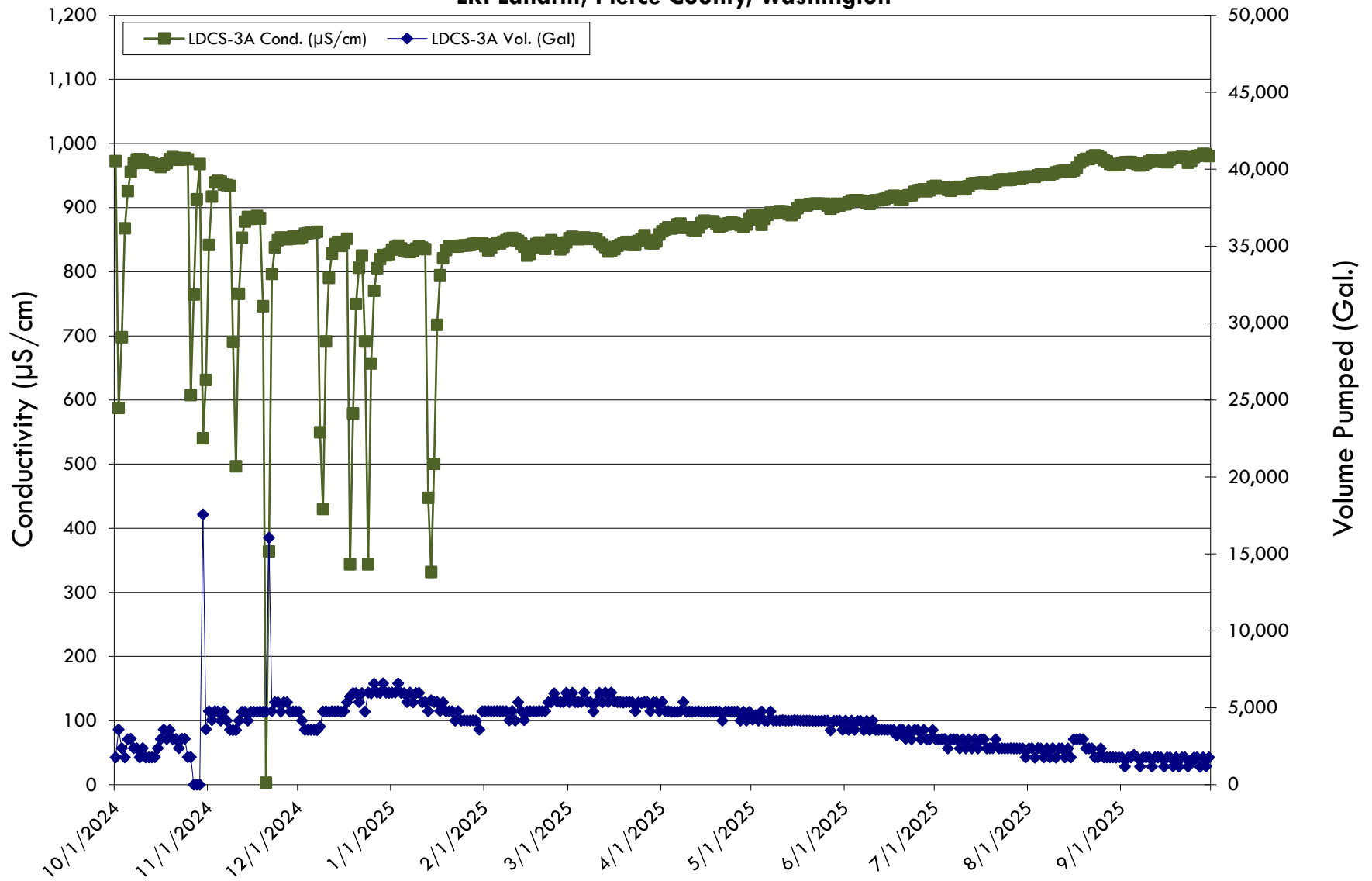
LDCS-2A (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



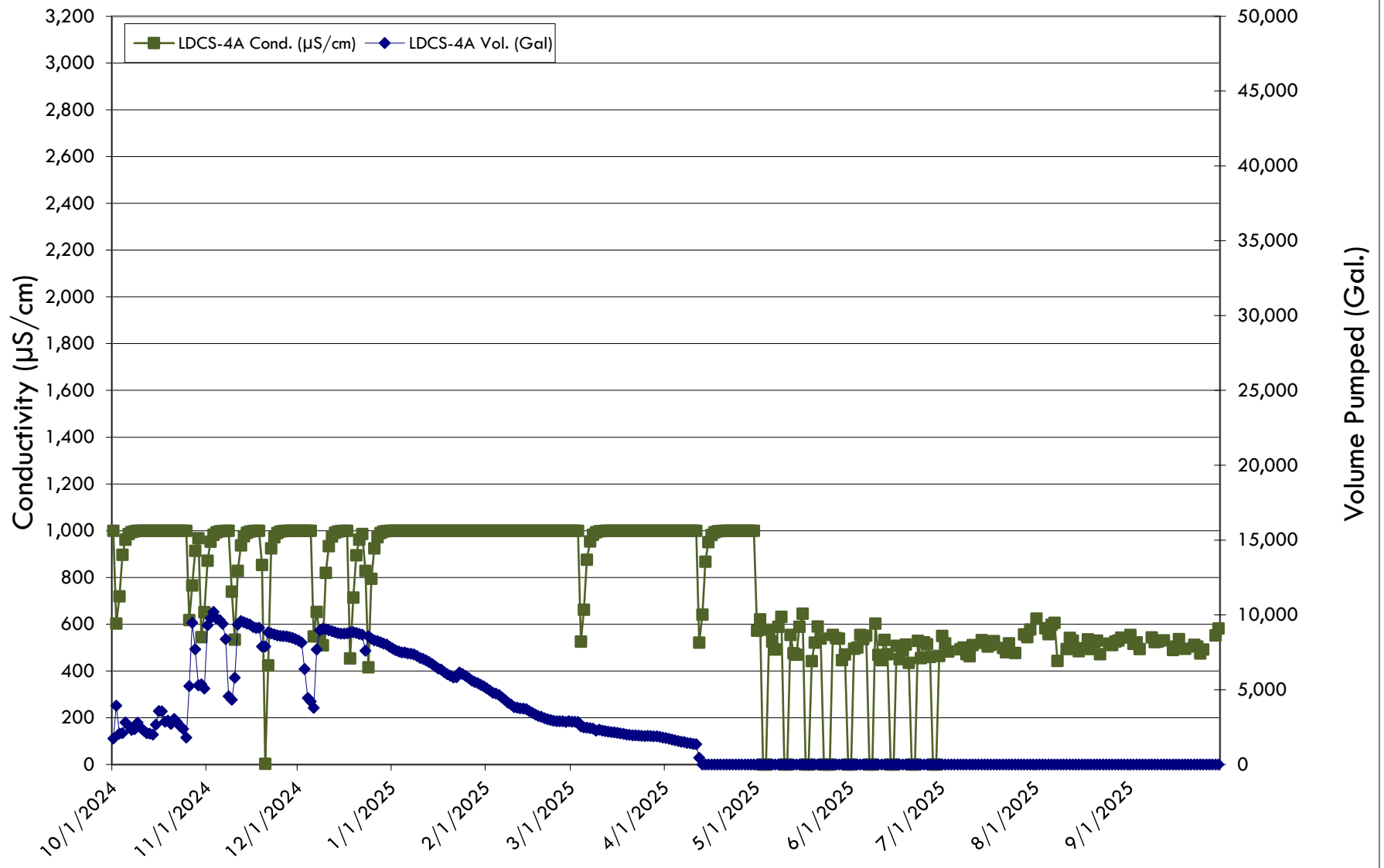
LDCS-2B (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



LDCS-3A (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington

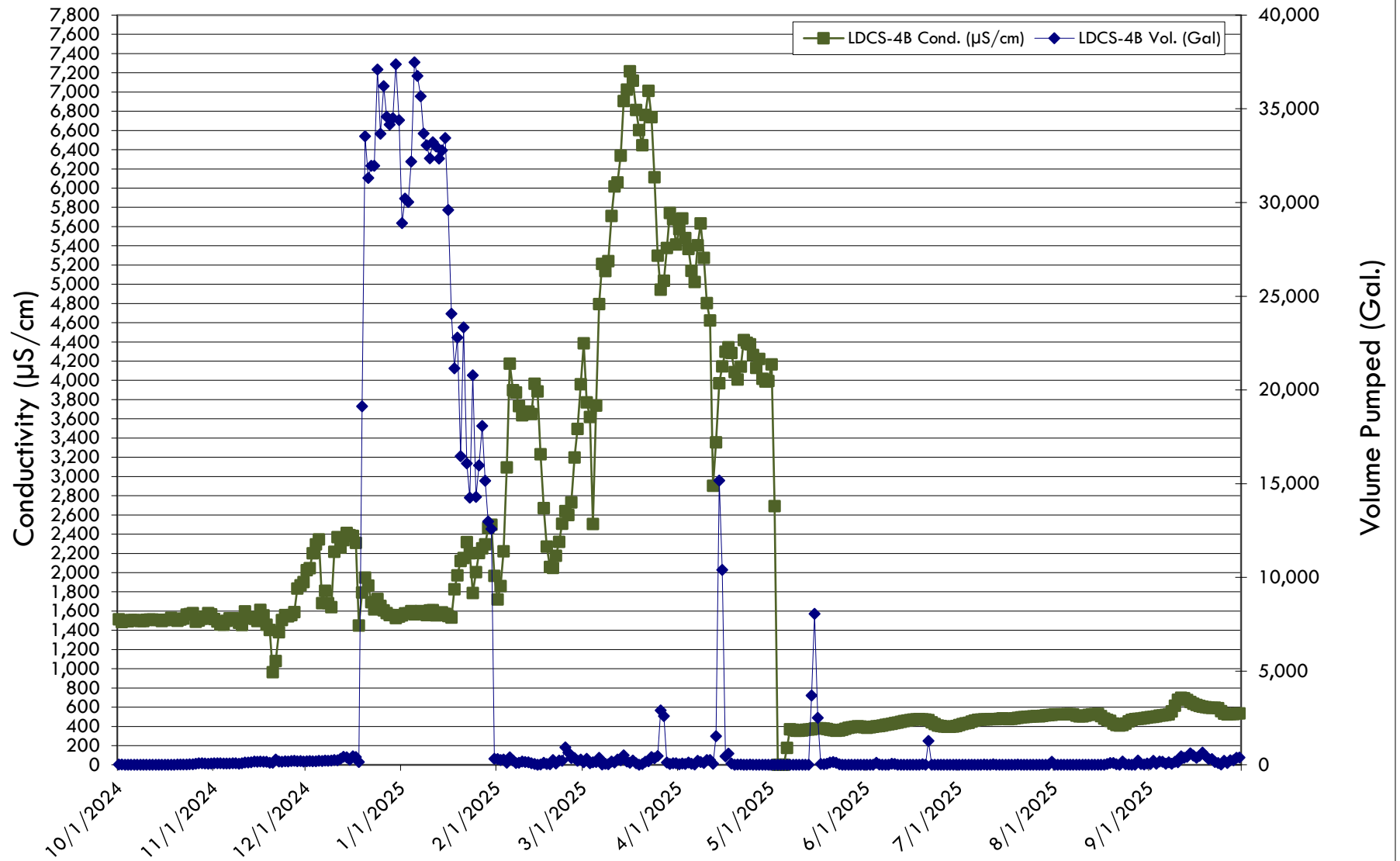


LDCS-4A (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington

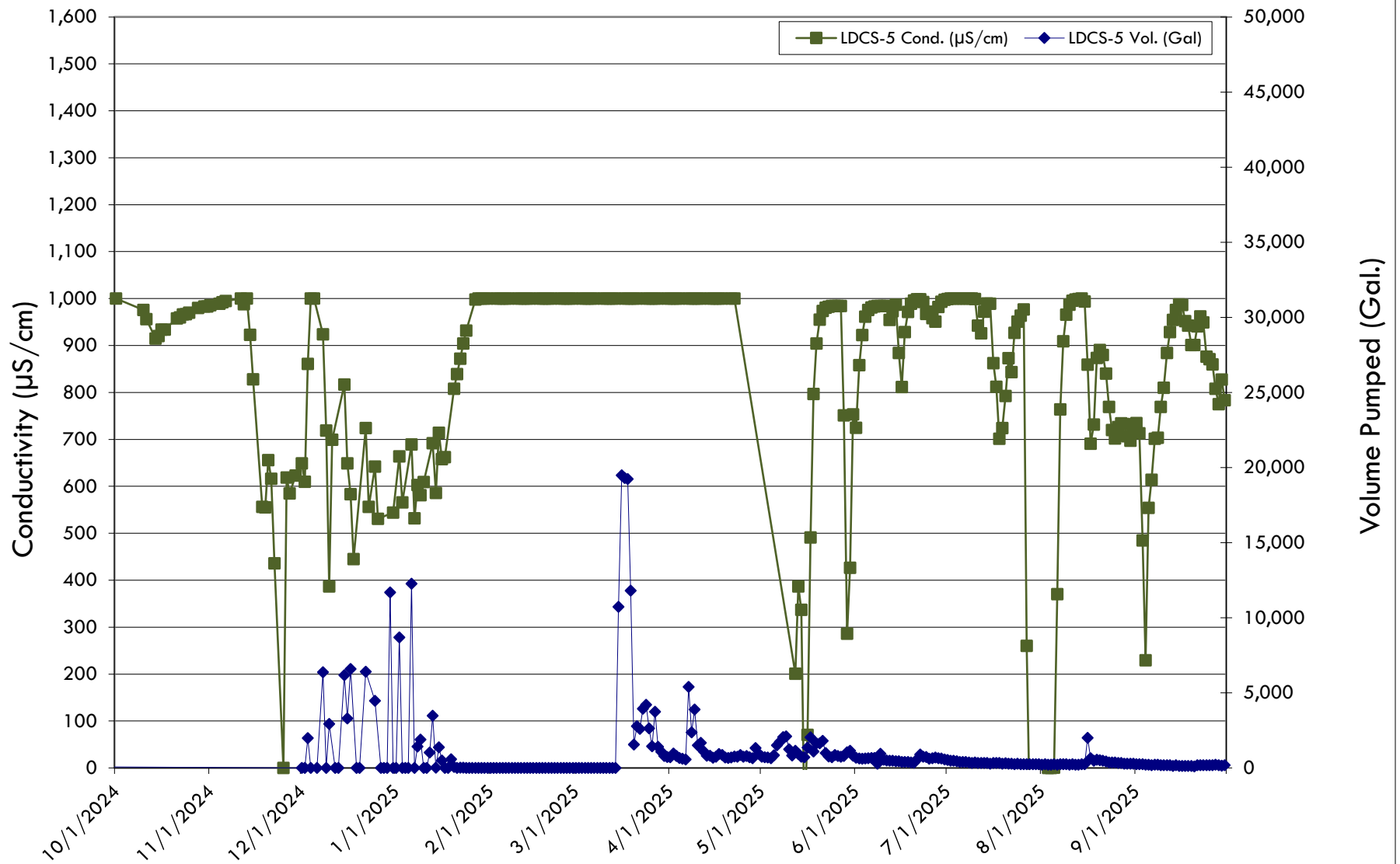


LDCS-4B (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington

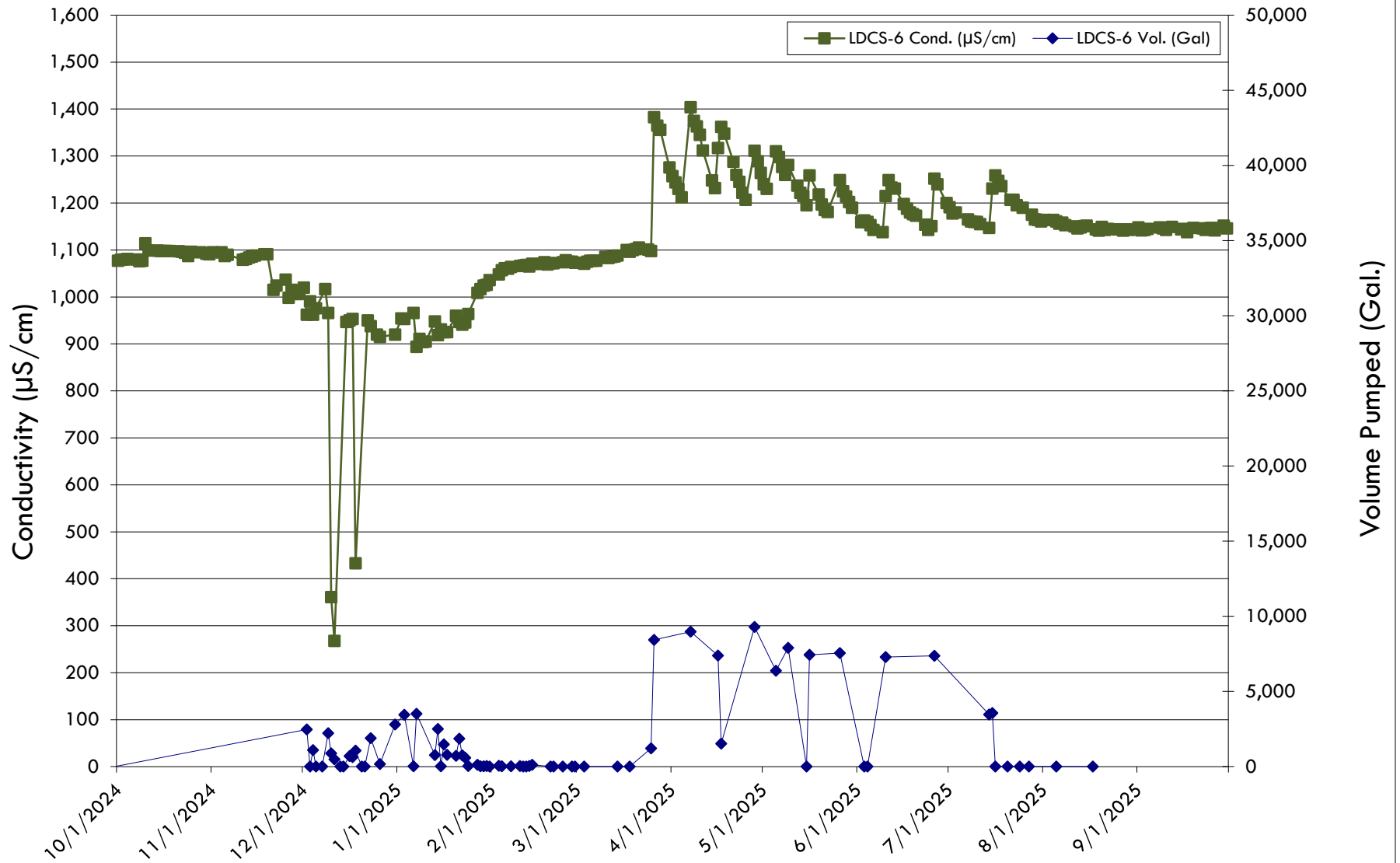
Spike in flow from mid December 2024 through the end of January 2025 due to solids accumulation in pump. Pump was cleaned and flow was restored at the end of January.



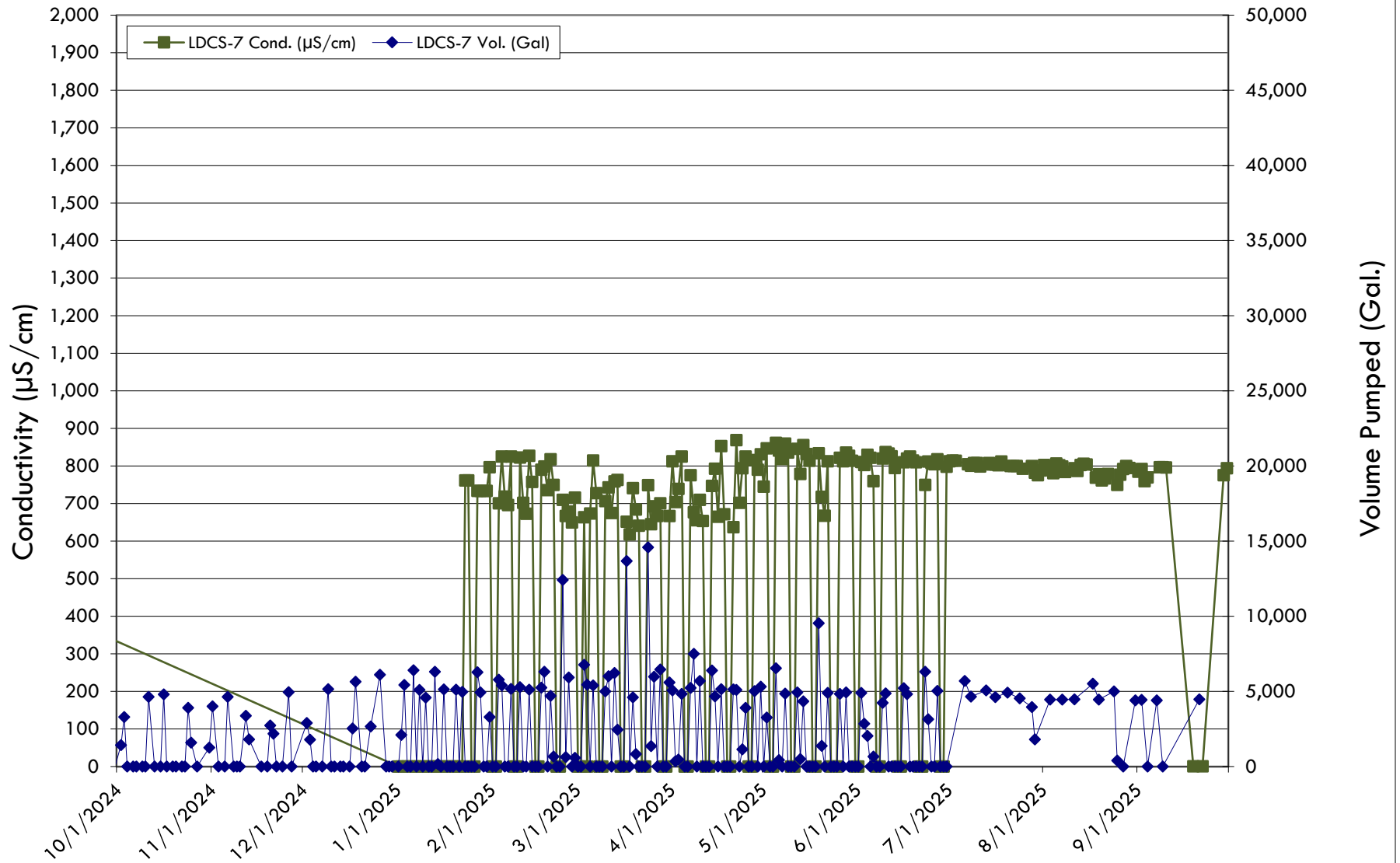
LDCS-5 (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



LDCS-6 (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington

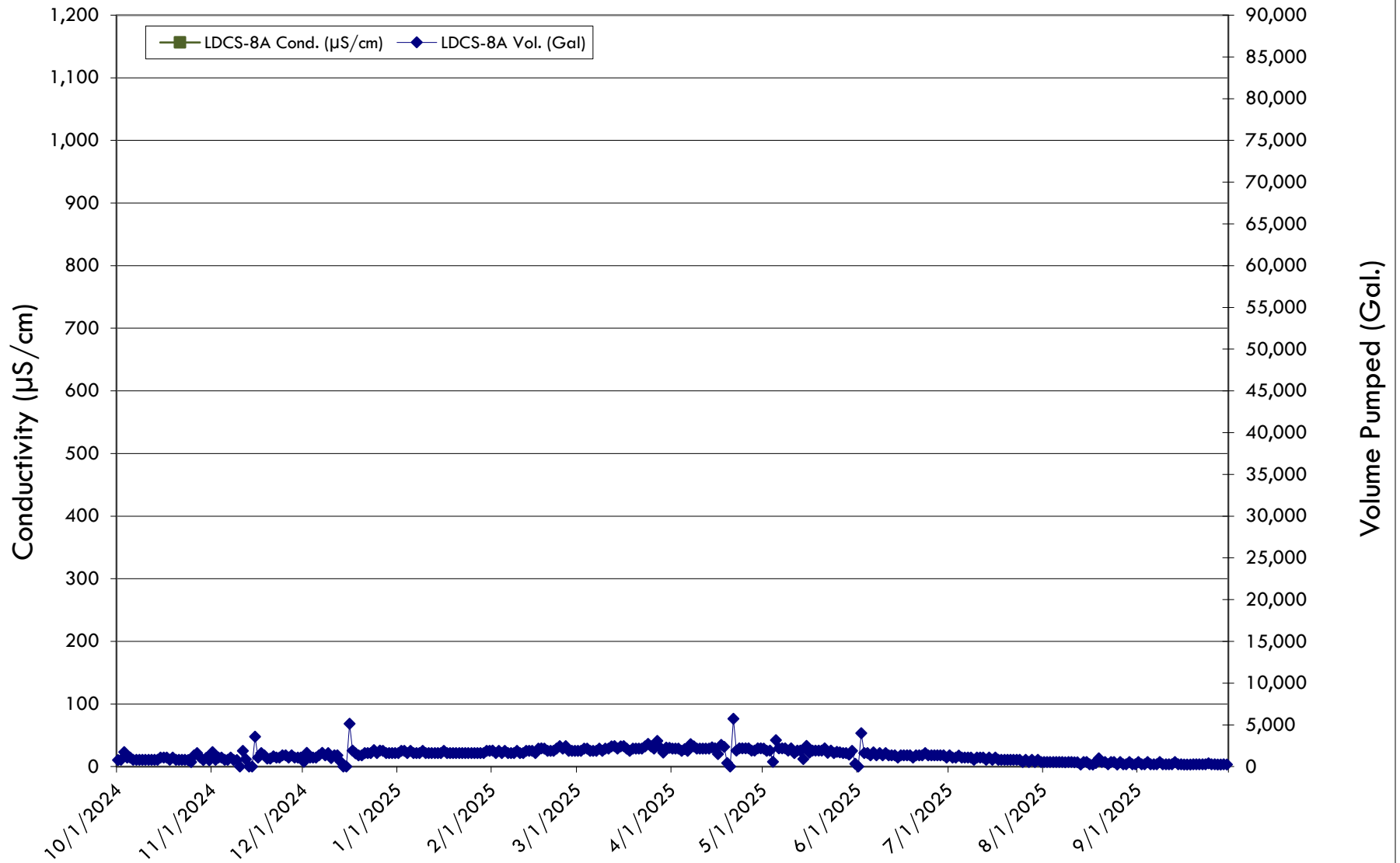


LDCS-7 (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



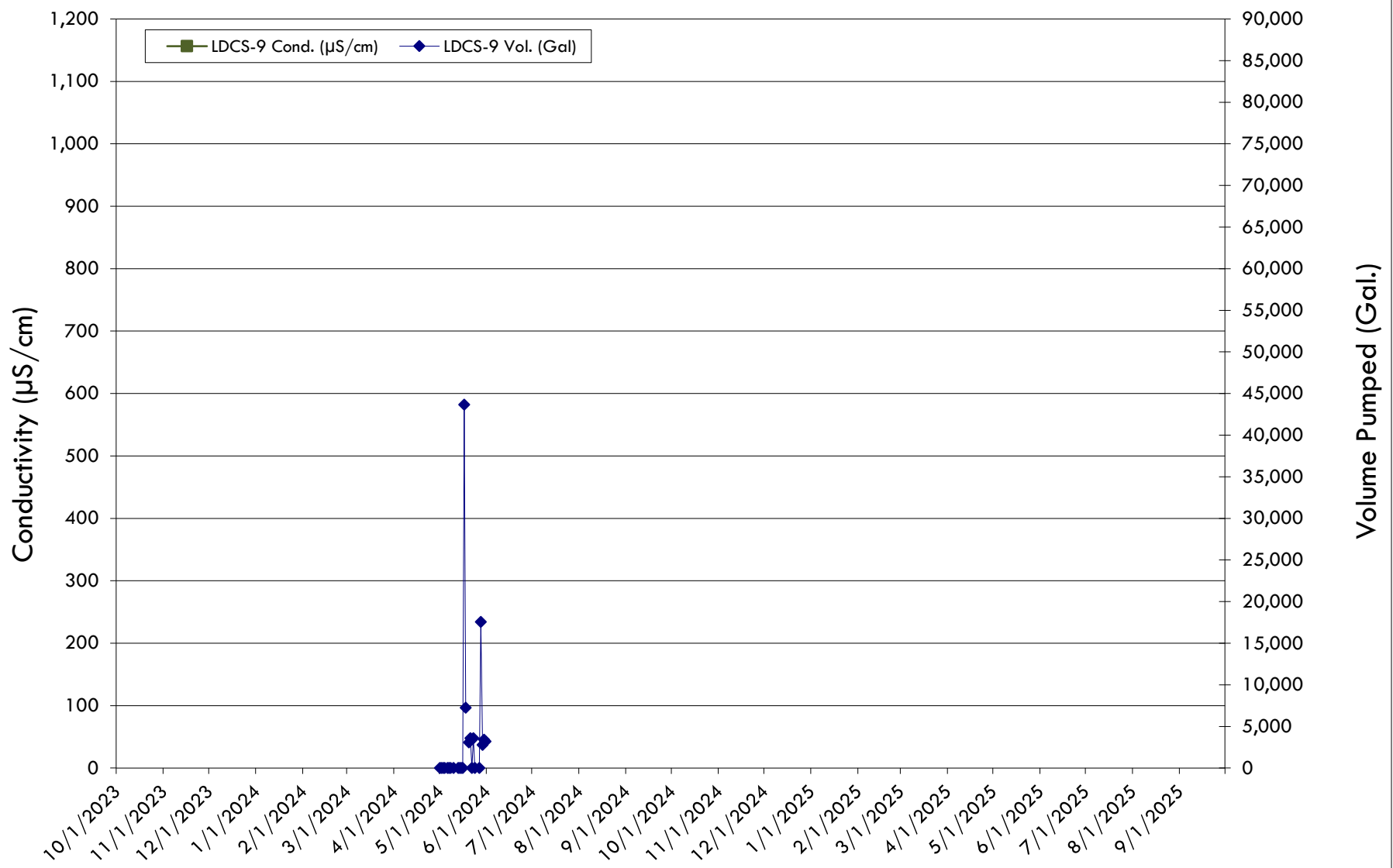
LDCS-8 (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington

*Conductivity Probe malfunction June 2023 through September 2025

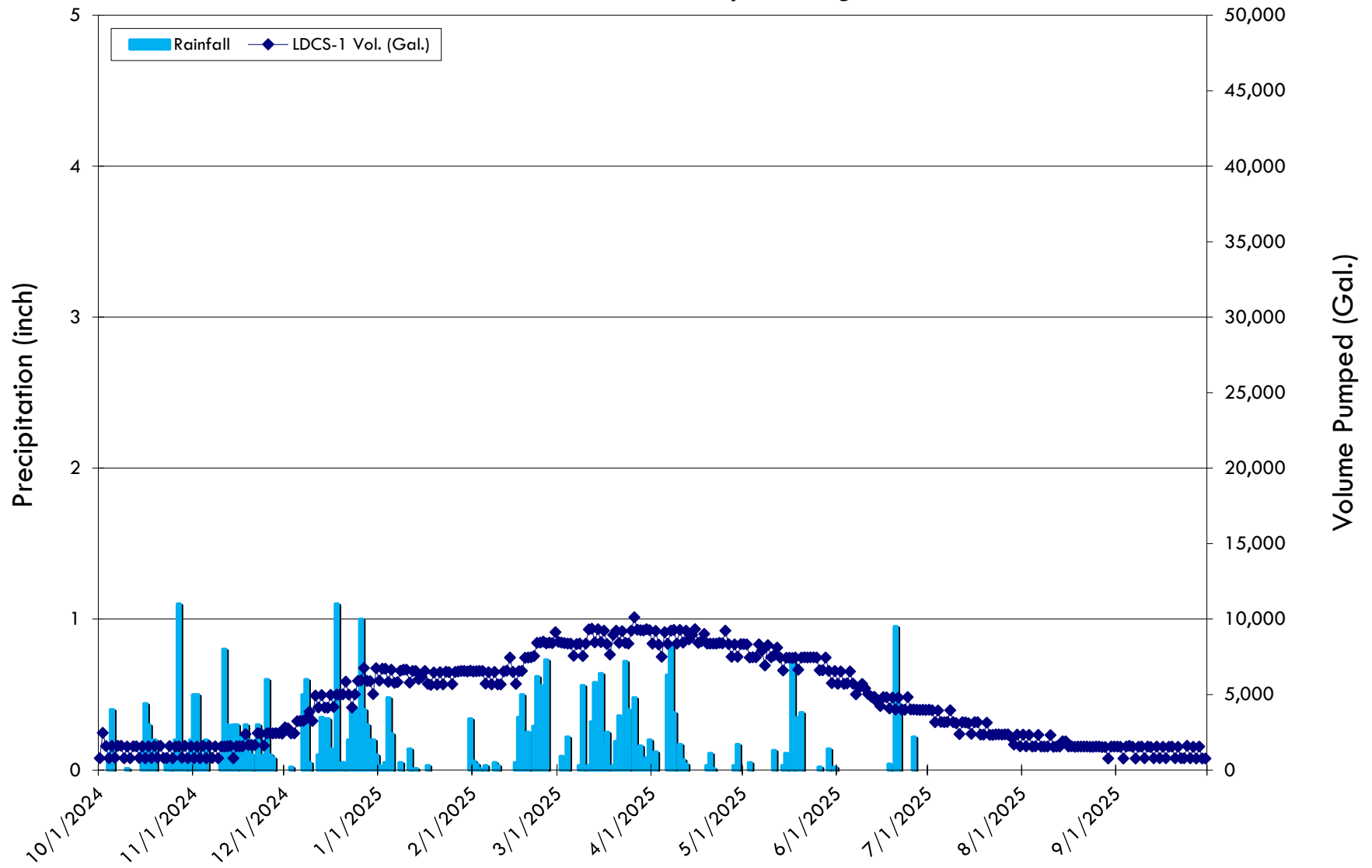


LDCS-9 (Daily Totals)
Conductivity vs Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington

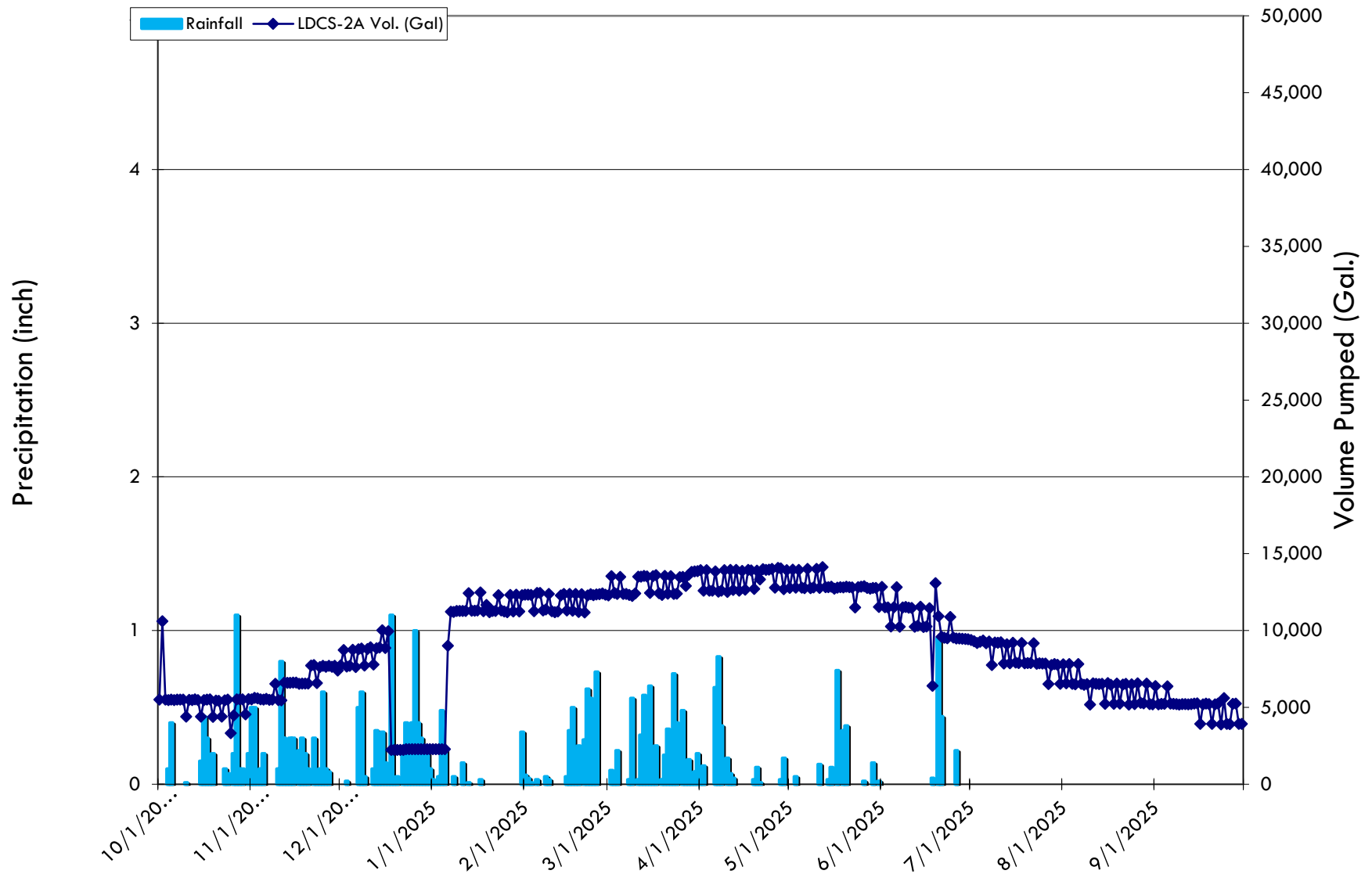
*Conductivity Probe and pump
malfunction August 2023 through
September 2025



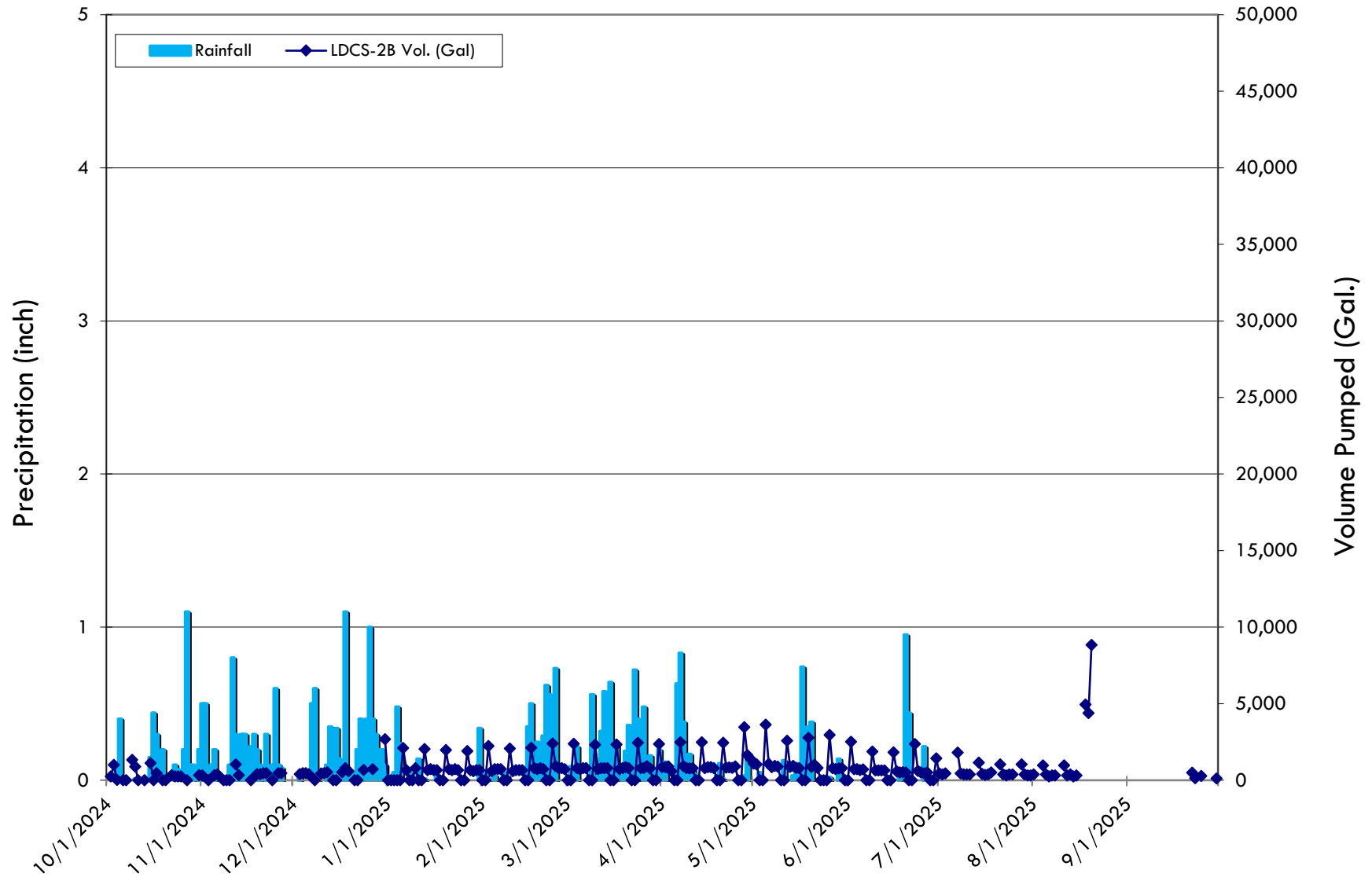
LDCS-1 (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



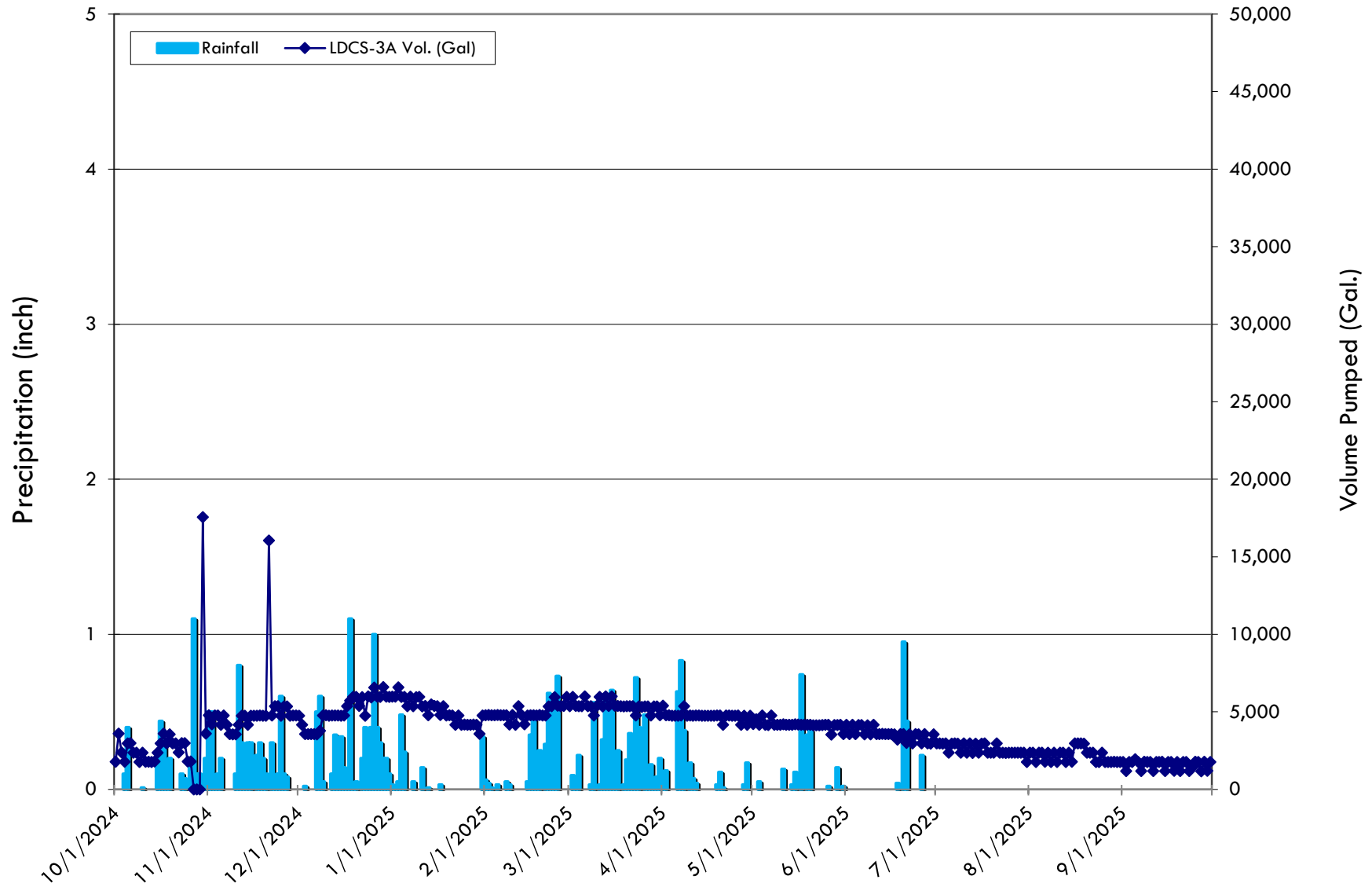
LDCS-2A (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



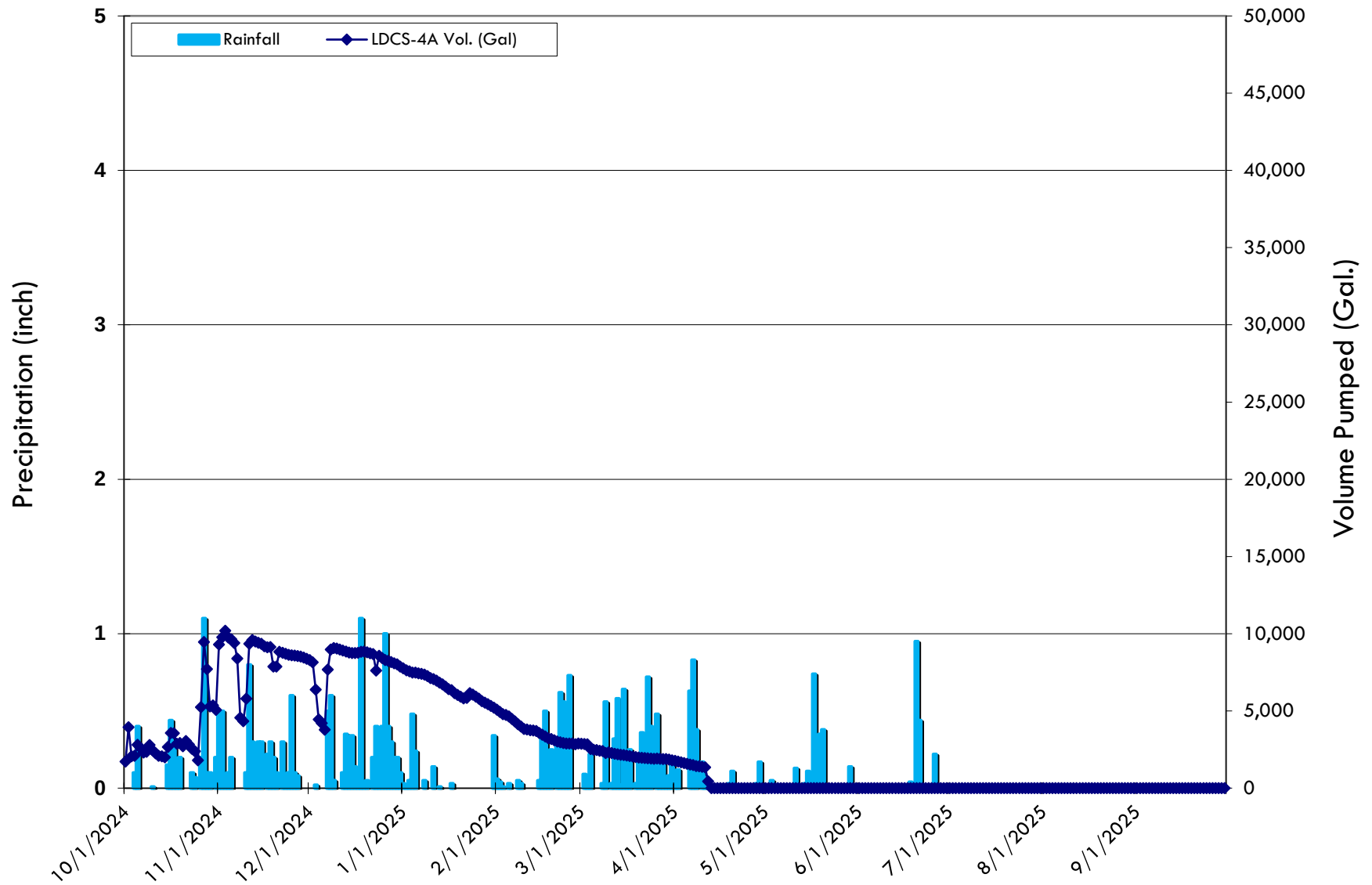
LDCS-2B (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



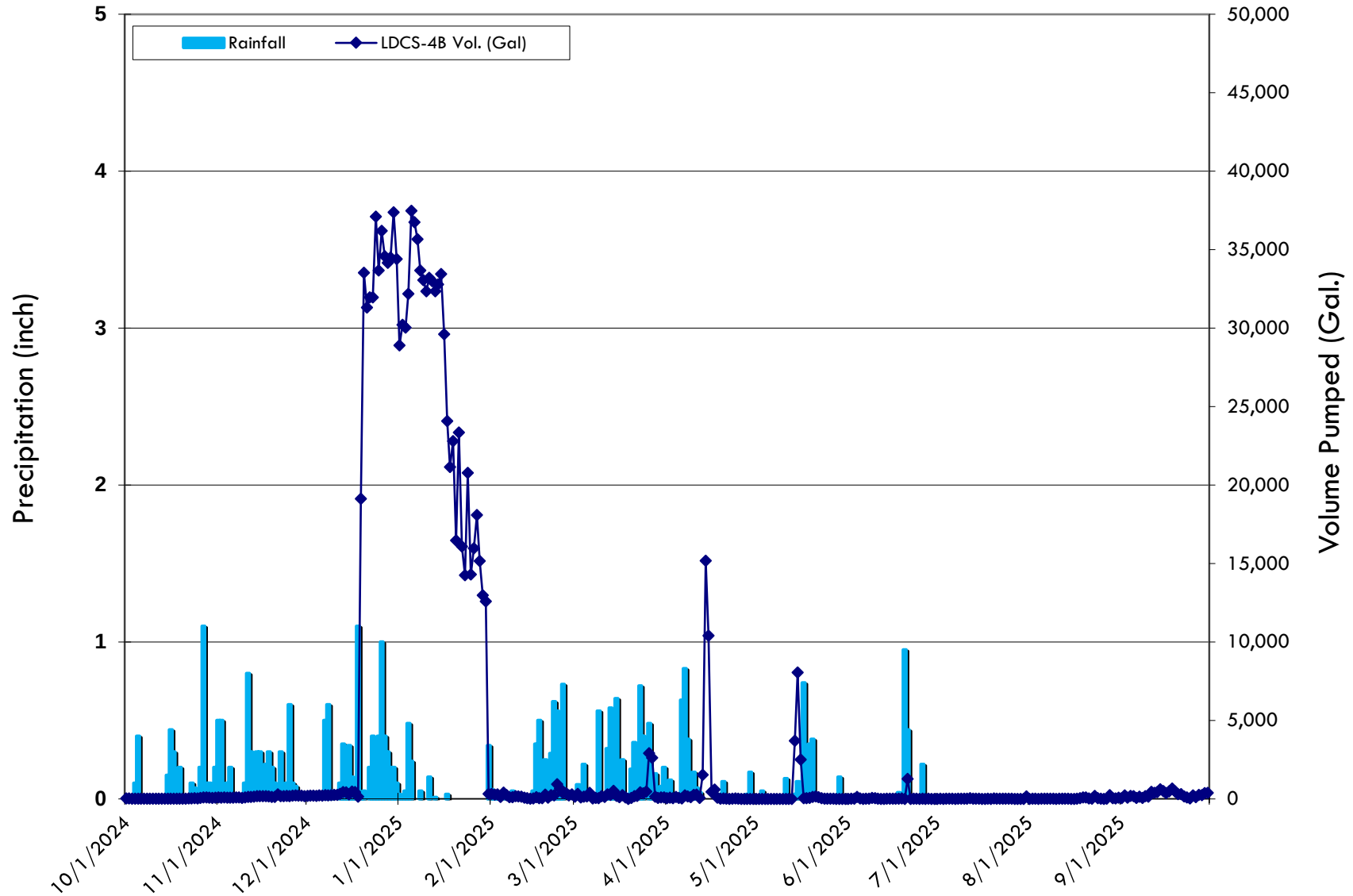
LDCS-3A (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



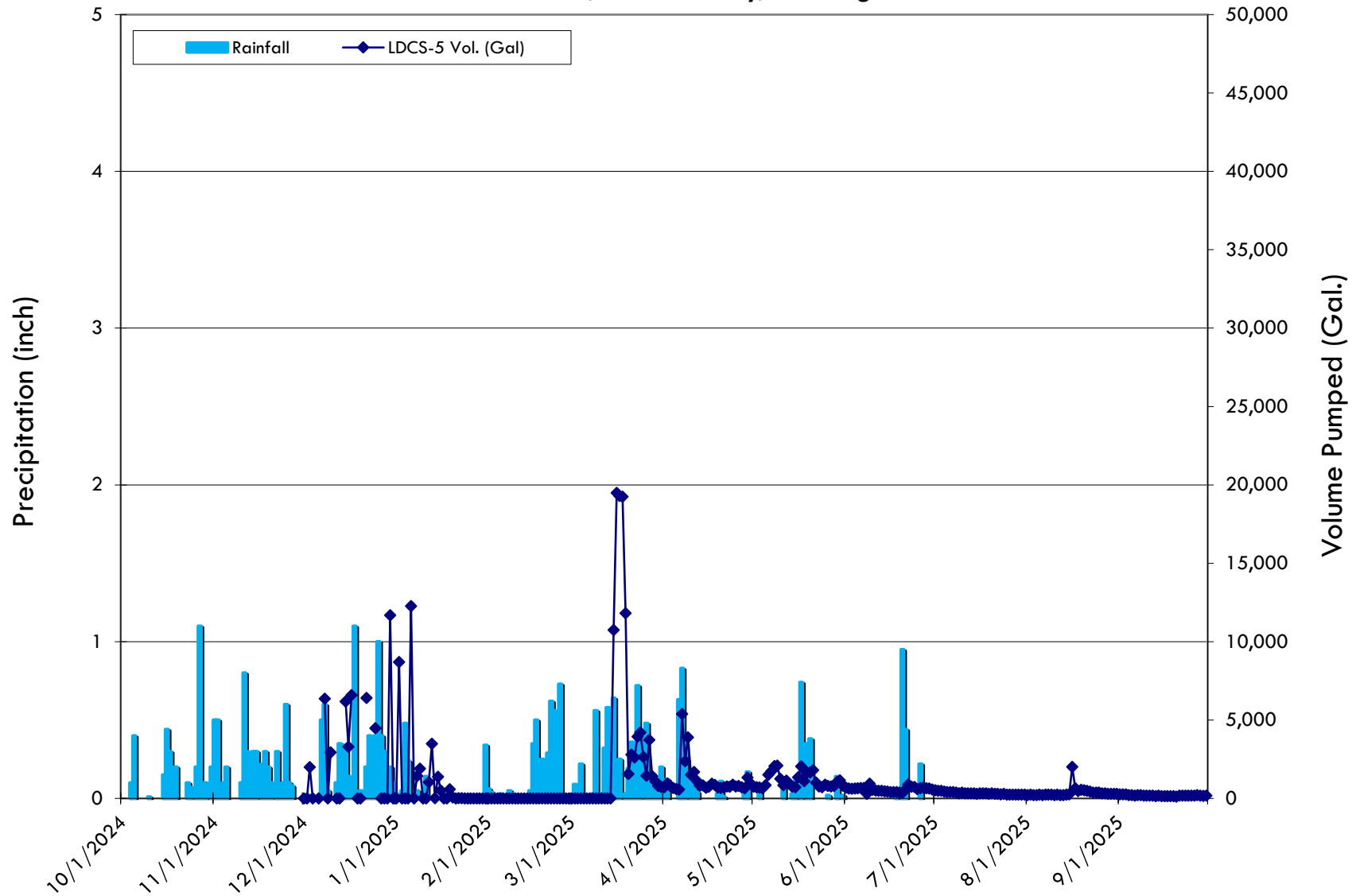
LDCS-4A (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



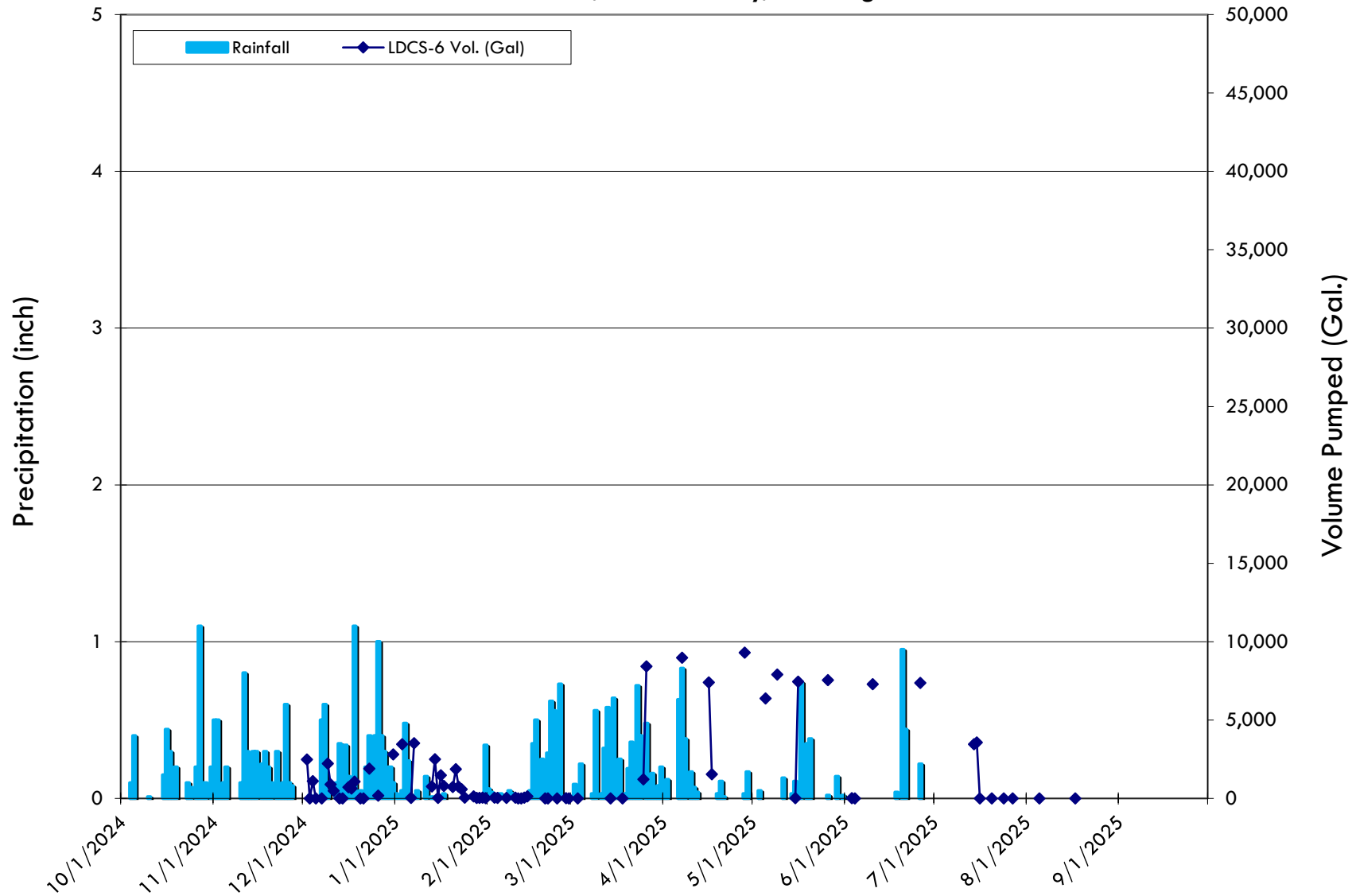
LDCS-4B (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



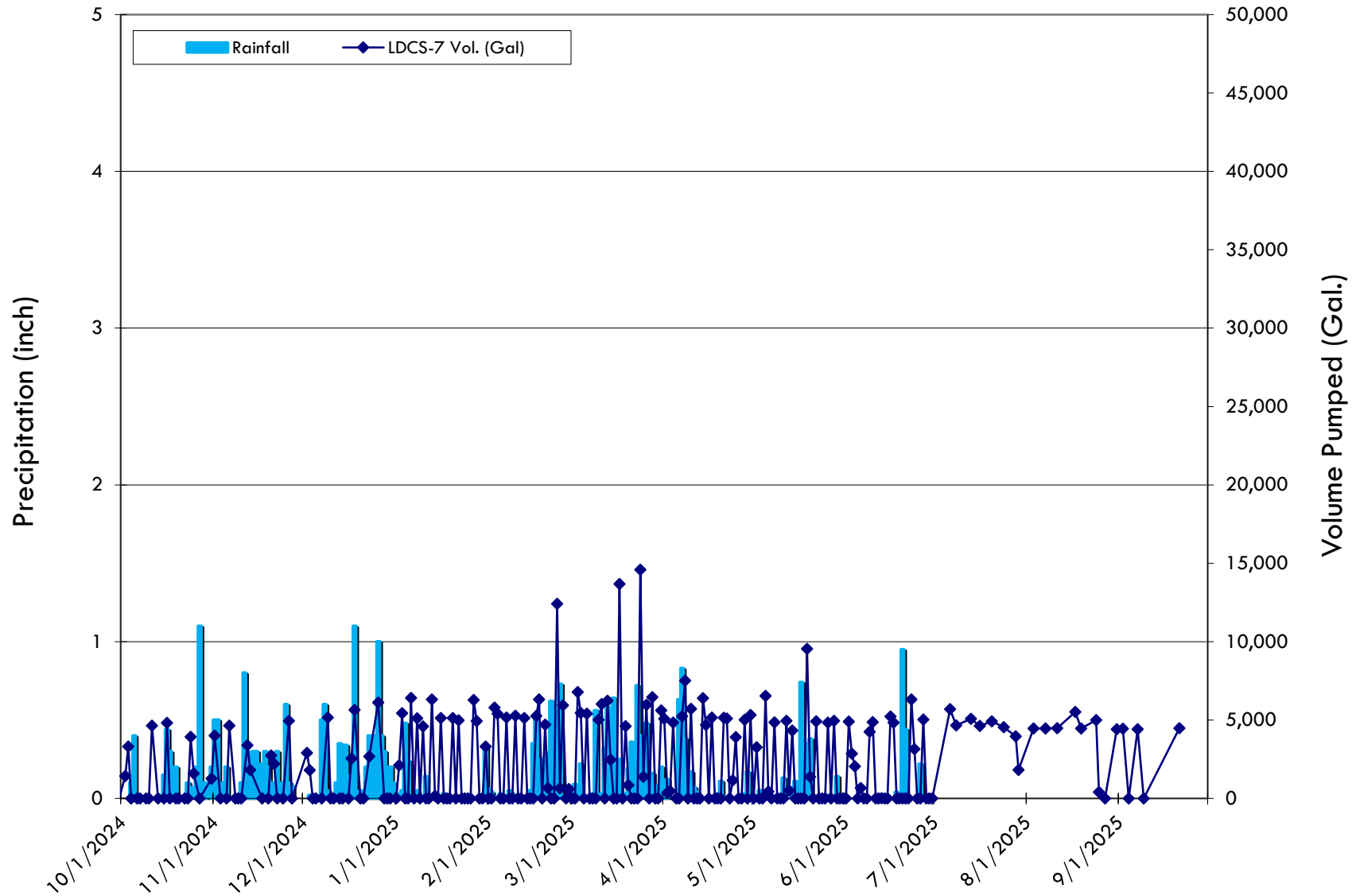
LDCS-5 (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



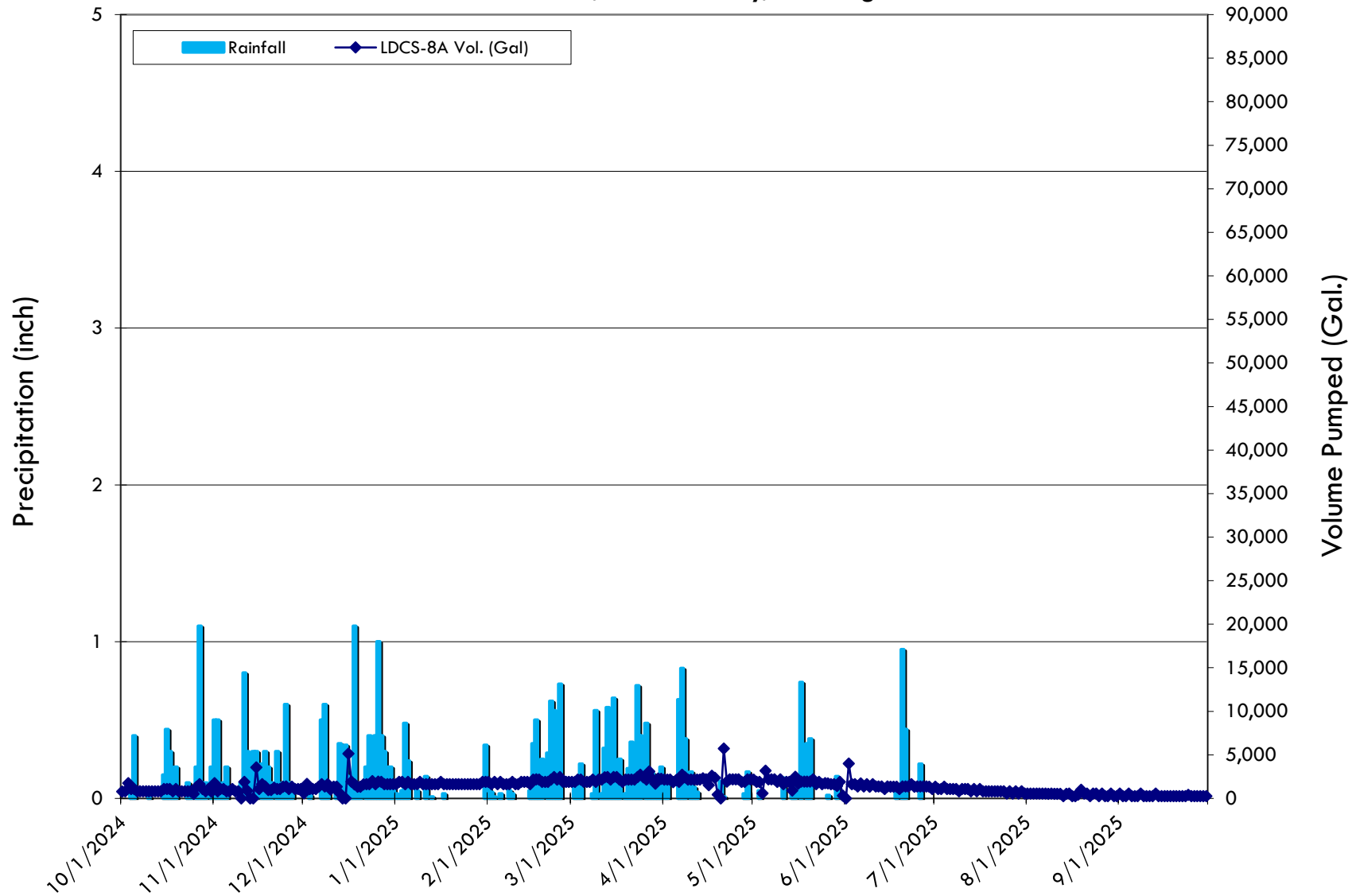
LDCS-6 (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington



LDCS-7 (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington

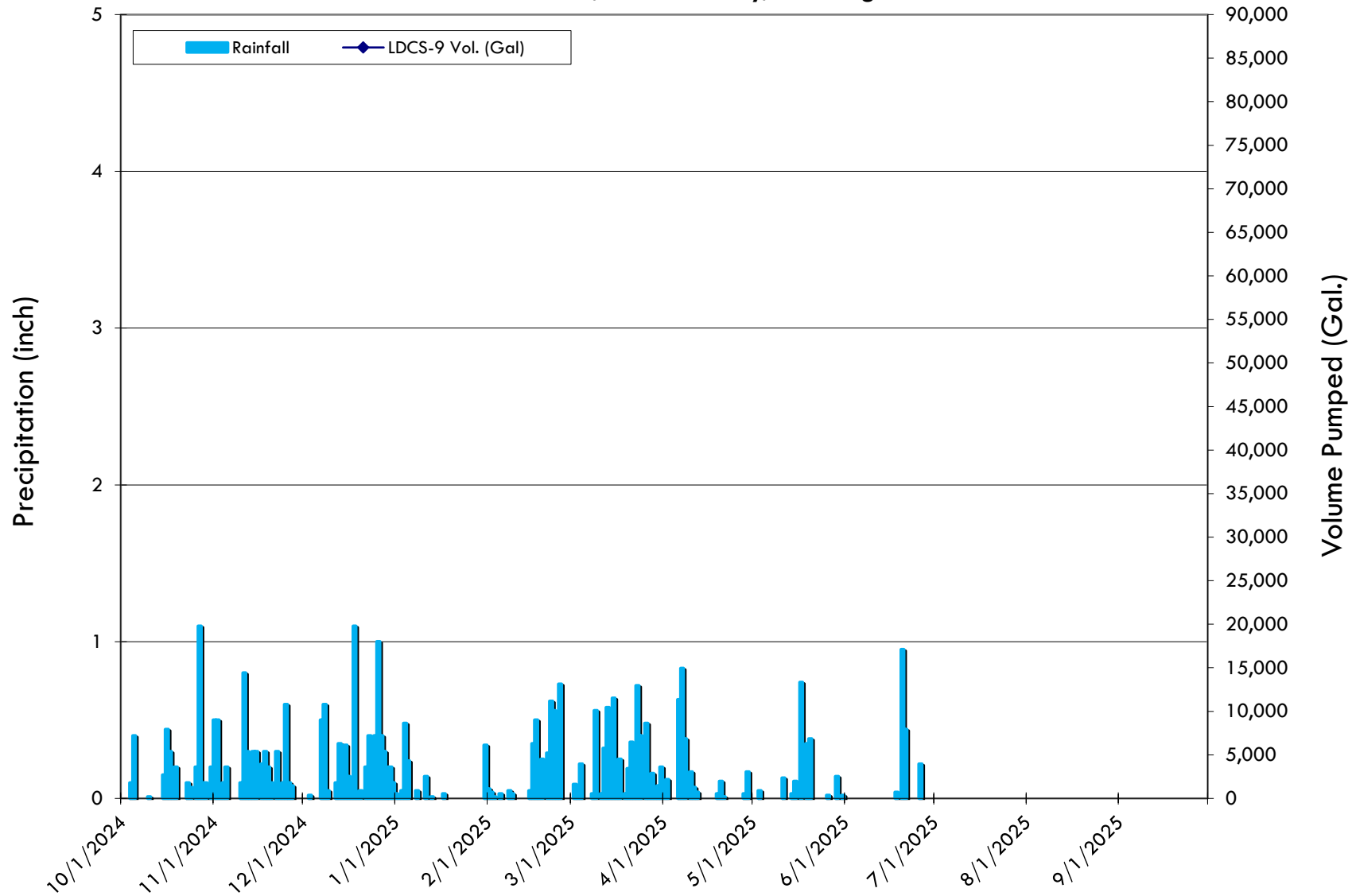


LDCS-8A (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington

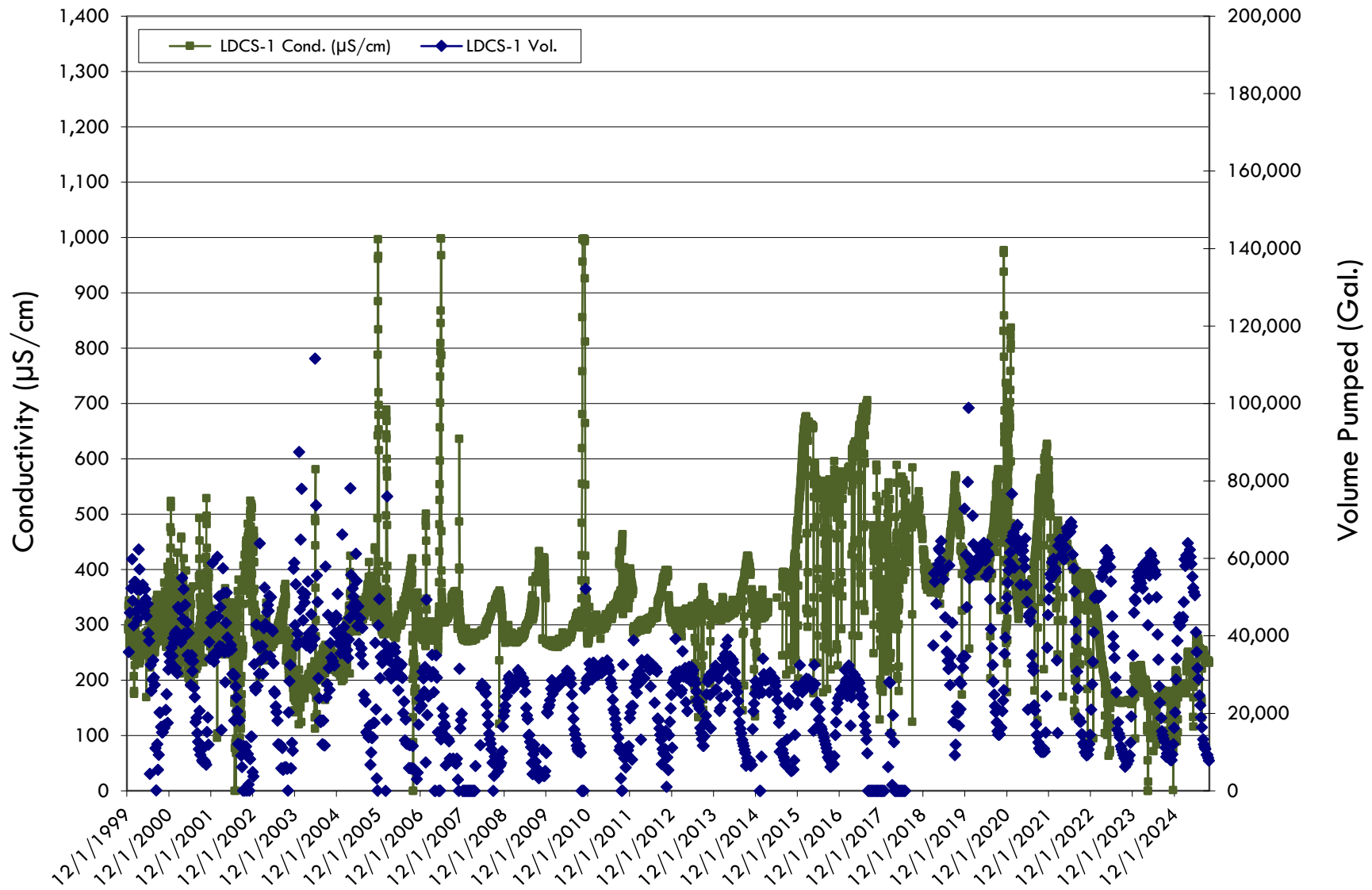


LDCS-9 (Daily Totals)
Volume Pumped vs Precipitation
Third Quarter 2025
LRI Landfill, Pierce County, Washington

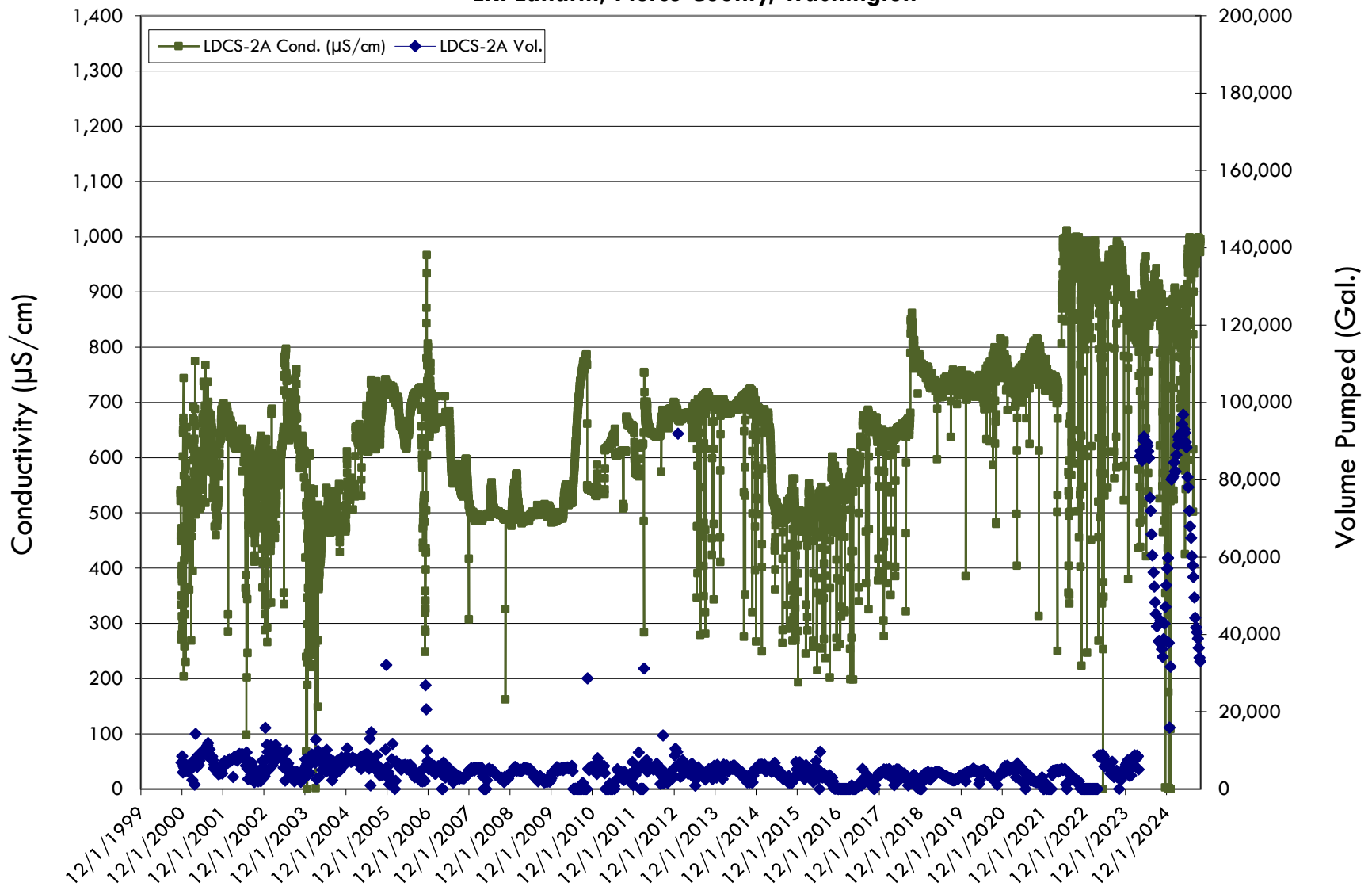
Probe malfunction from July 2024
through September 2025



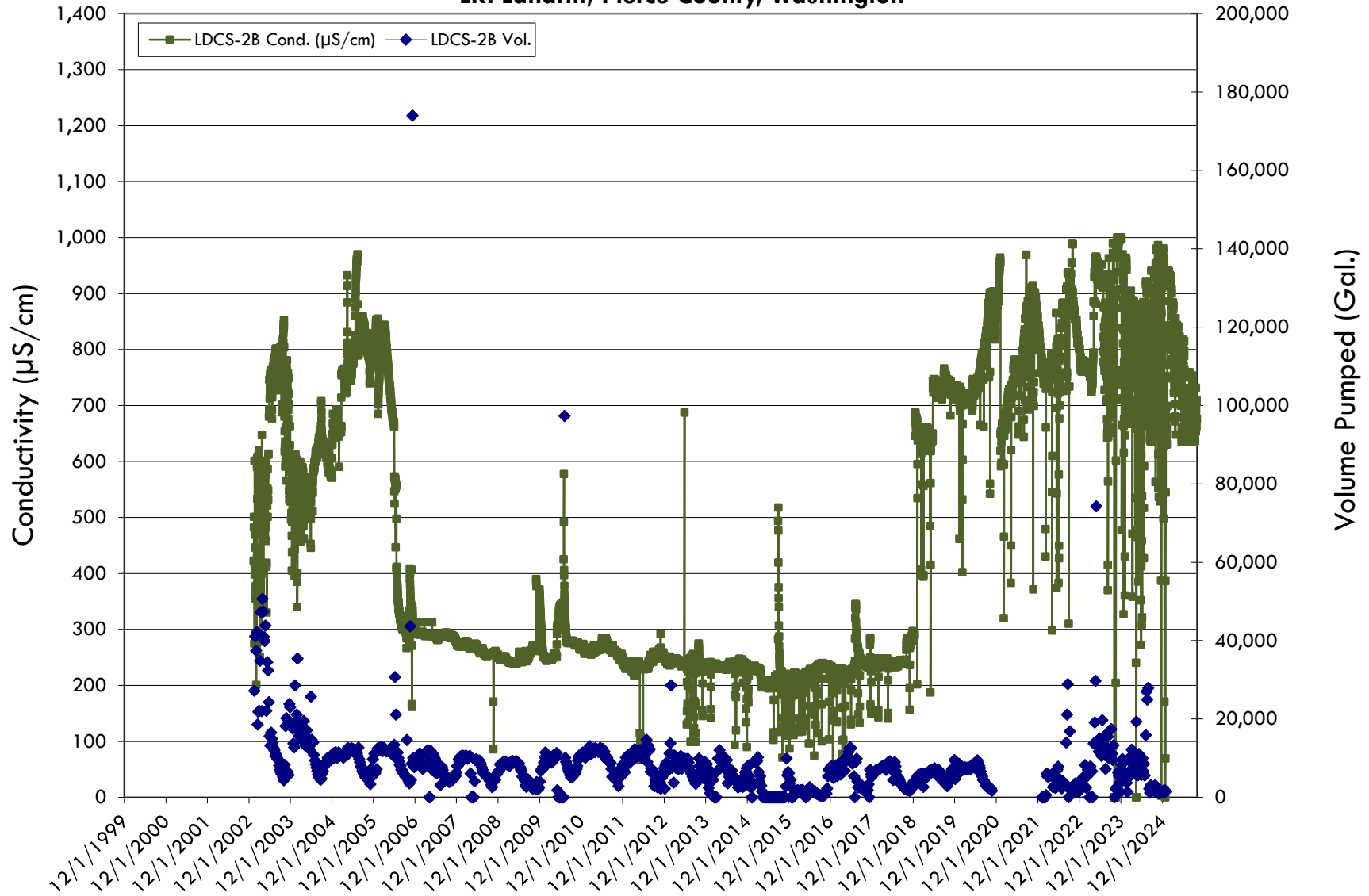
LDCS-1
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



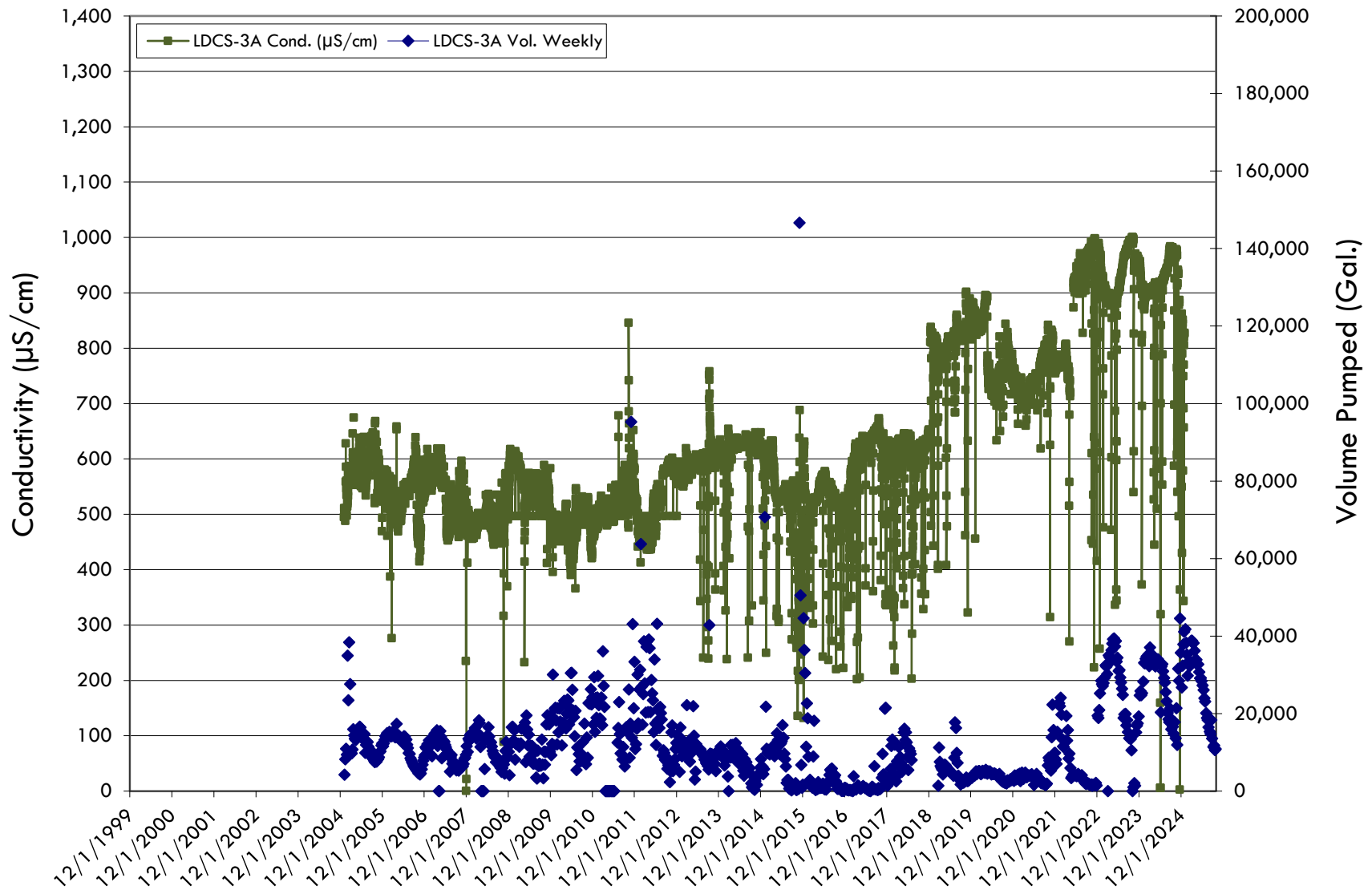
LDCS-2A
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



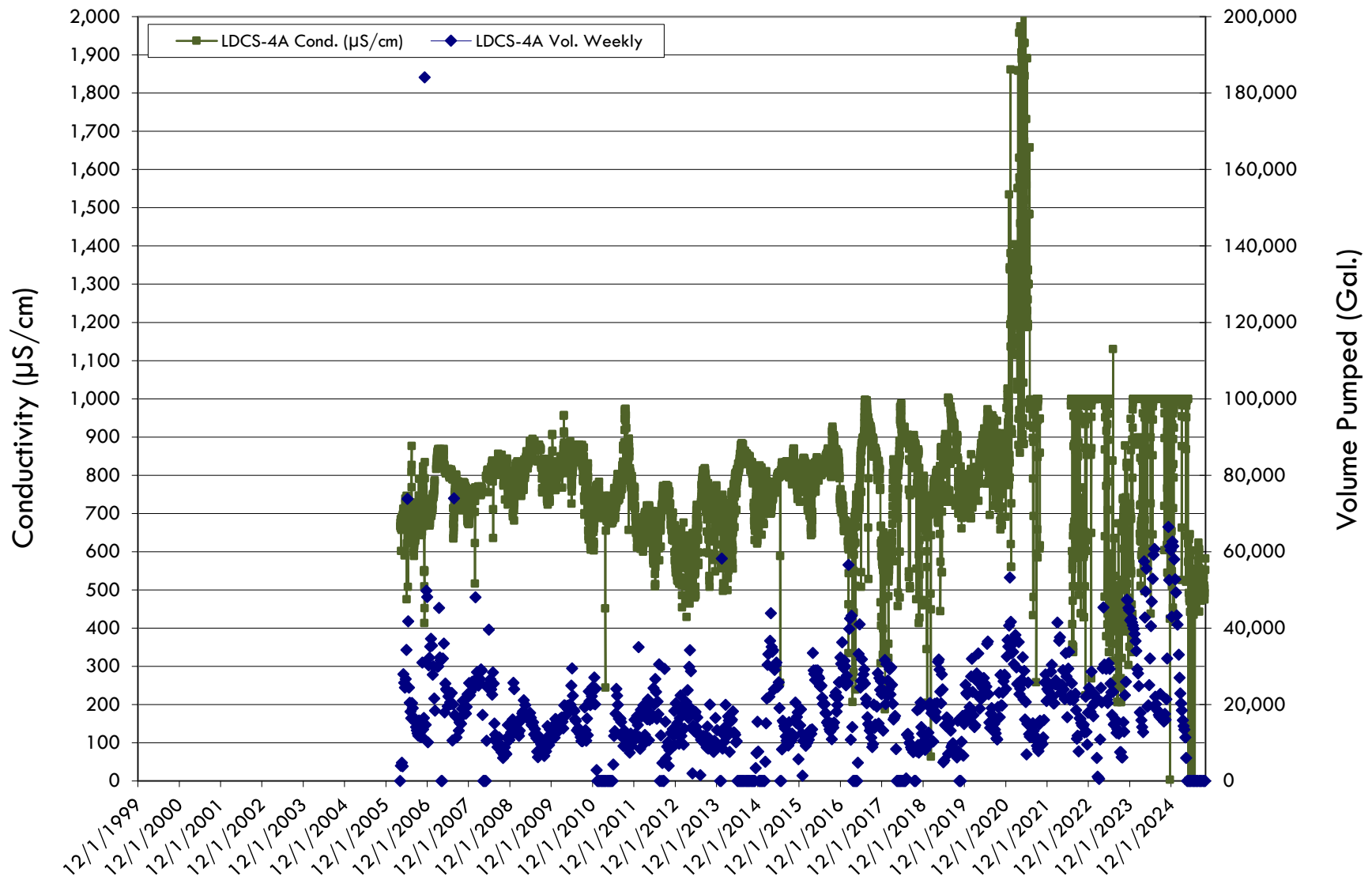
LDCS-2B
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



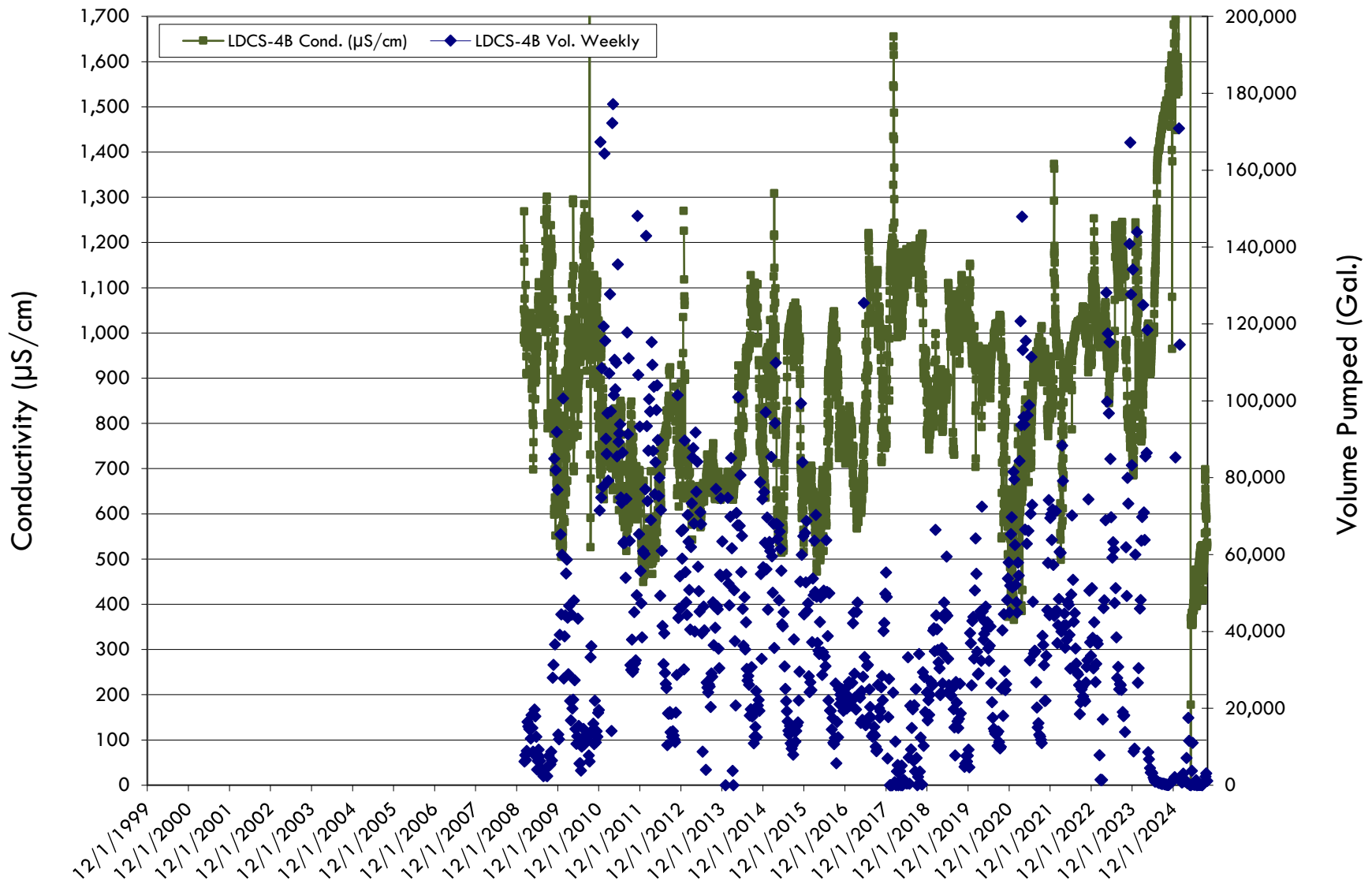
LDCS-3A
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



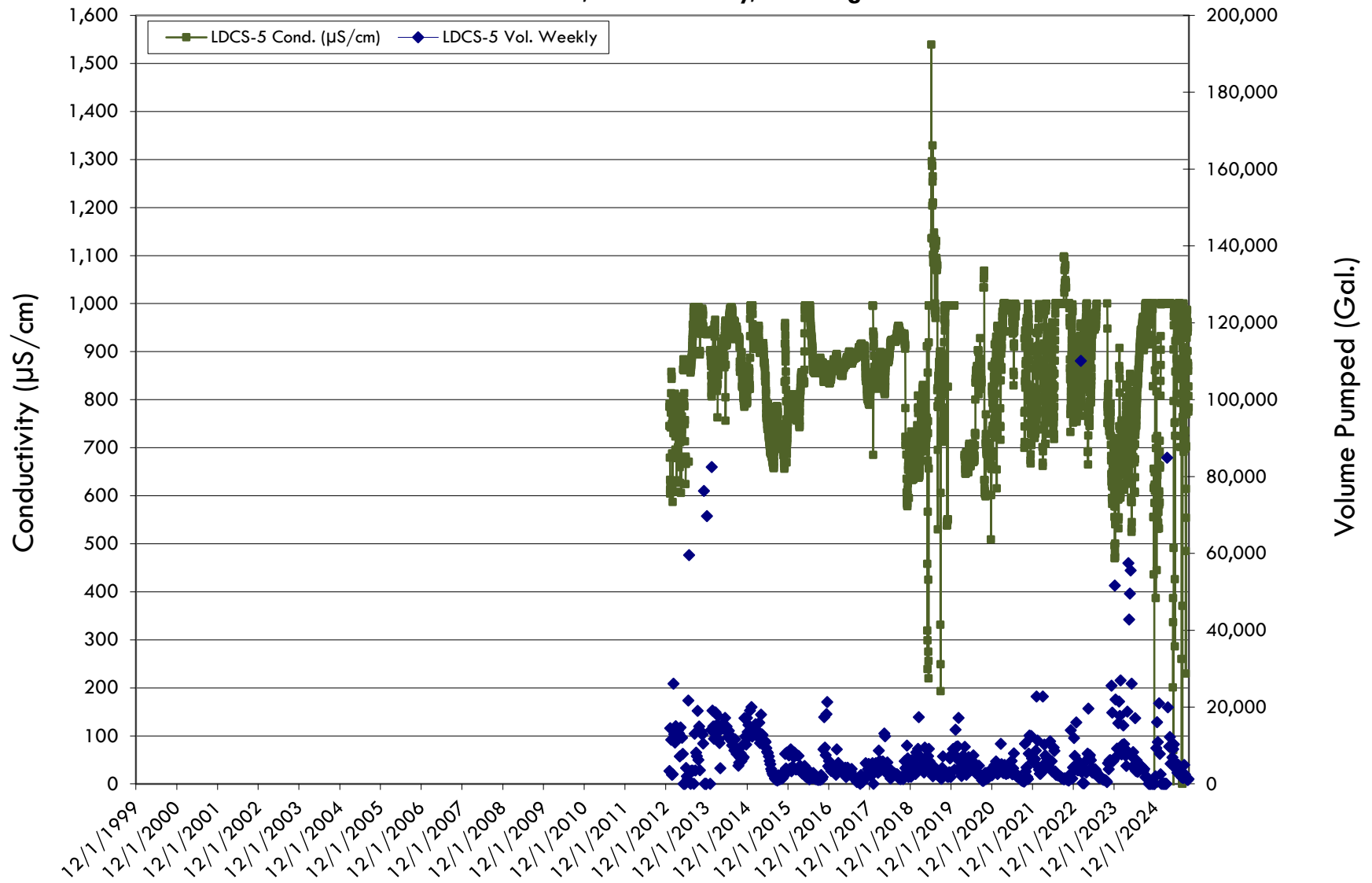
LDCS-4A
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



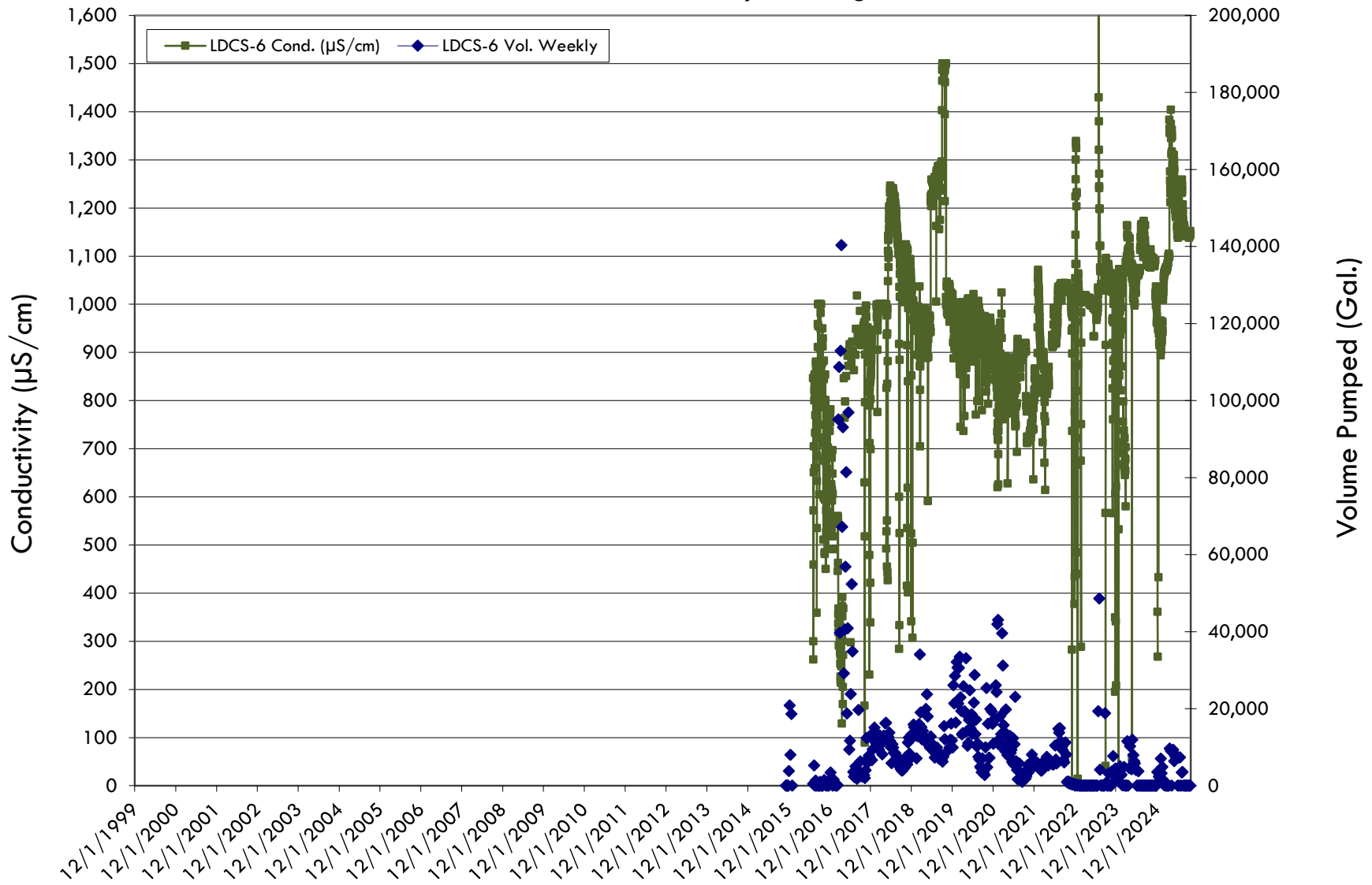
LDCS-4B
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



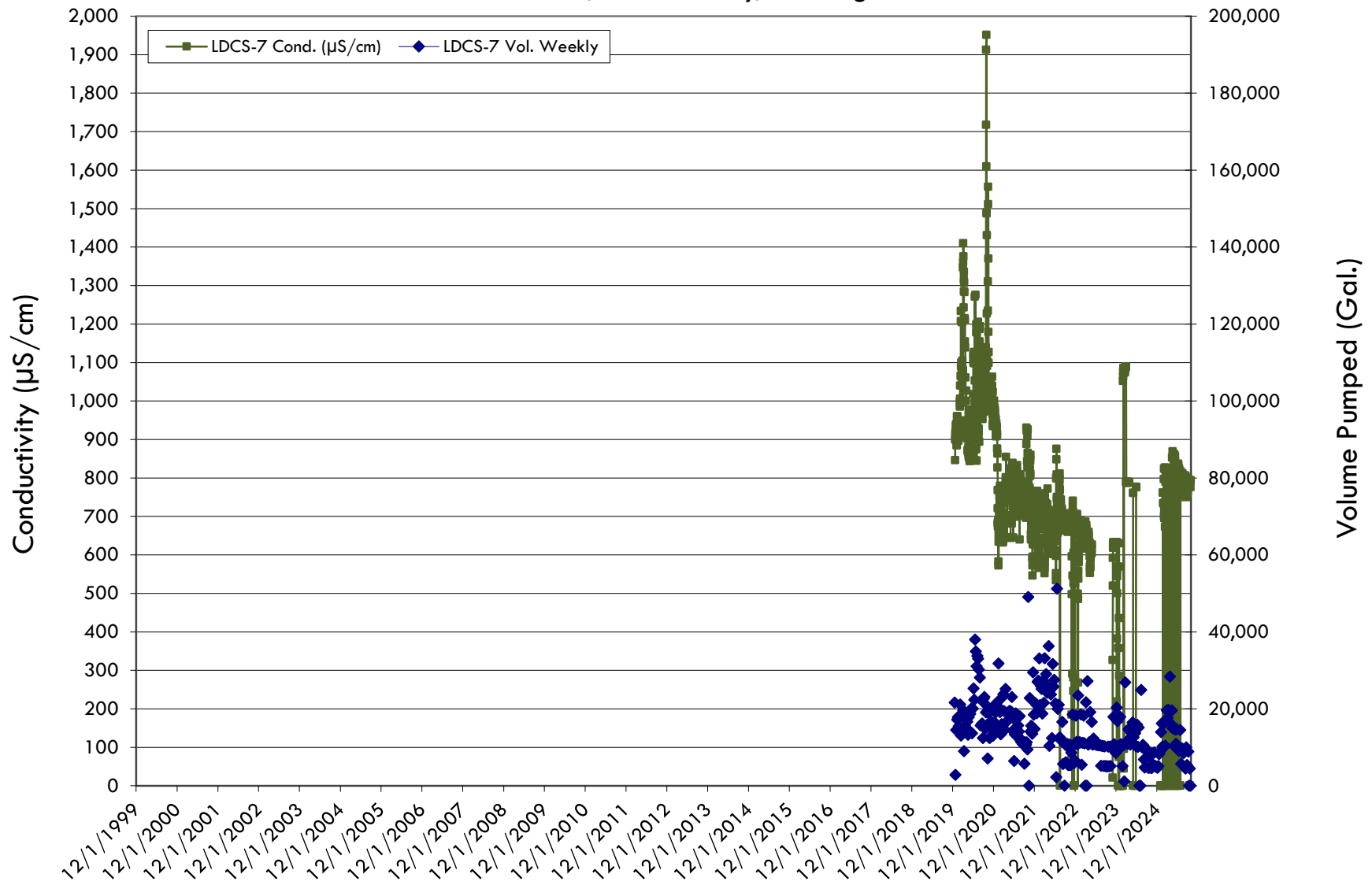
LDCS-5
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



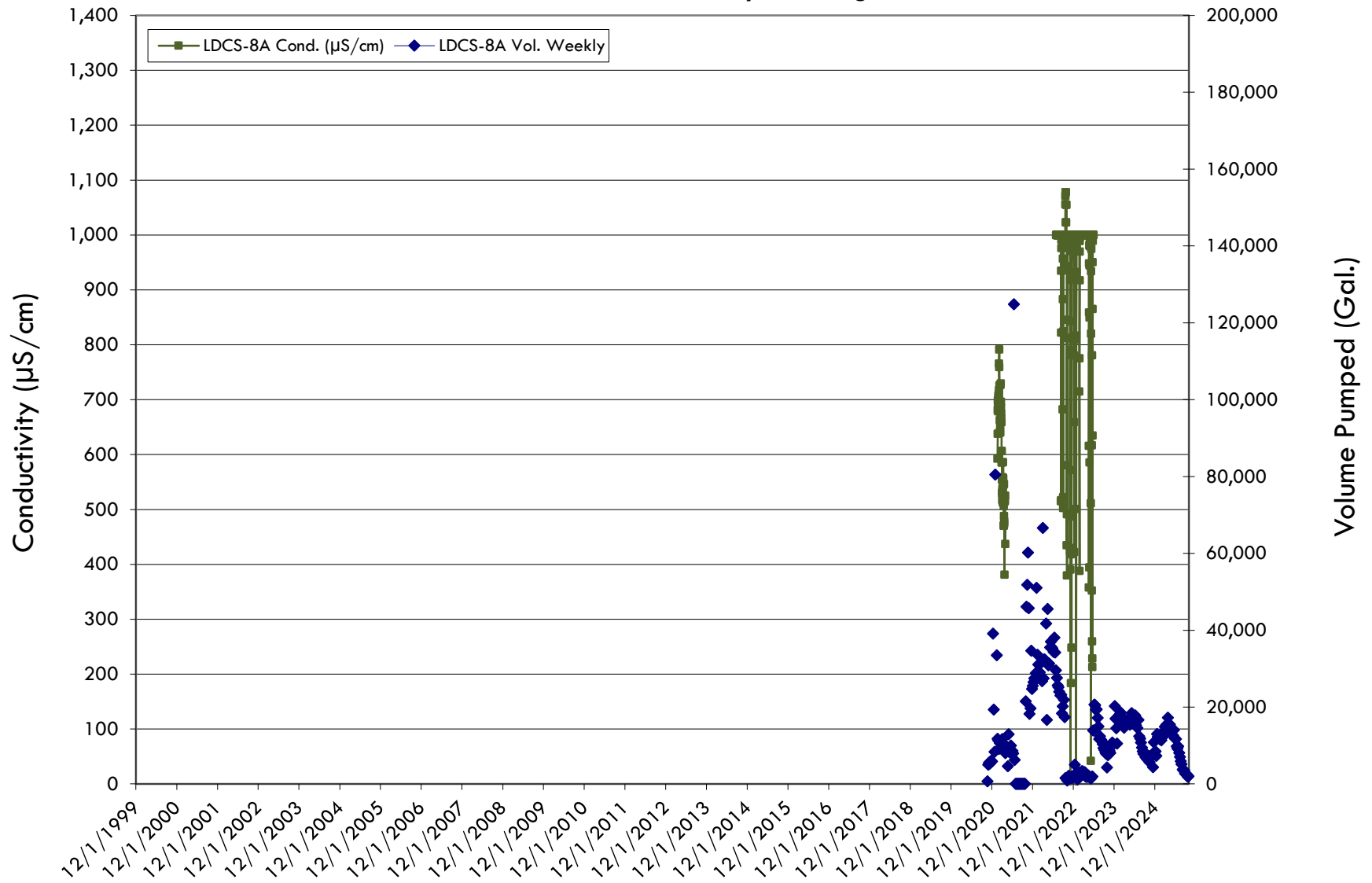
LDCS-6
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



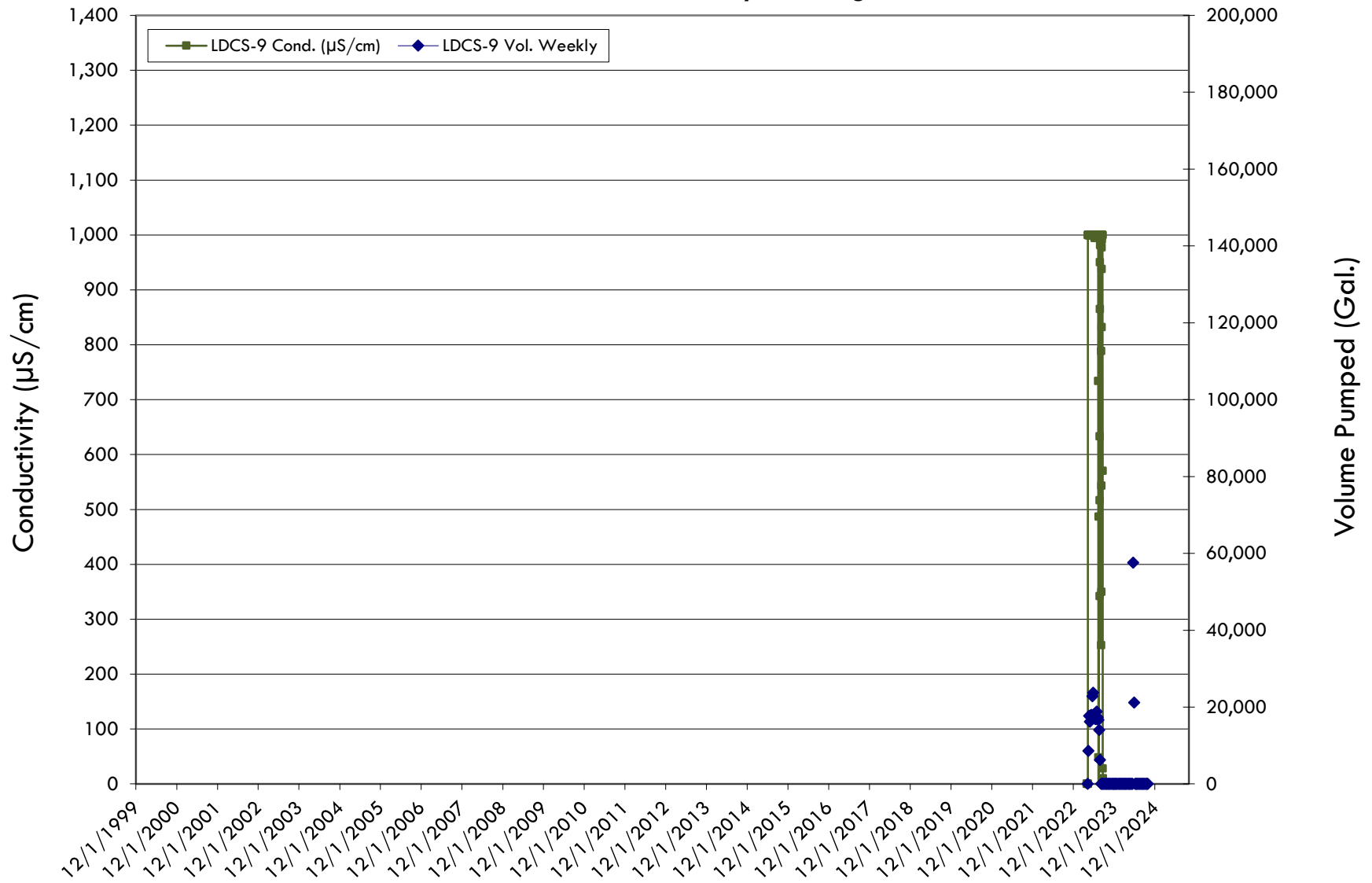
LDCS-7
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



LDCS-8A
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



LDCS-9
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2025
LRI Landfill, Pierce County, Washington



**Summary of Leachate Volume and Depth Data
Third Quarter 2025
LRI Landfill, Pierce County, Washington**

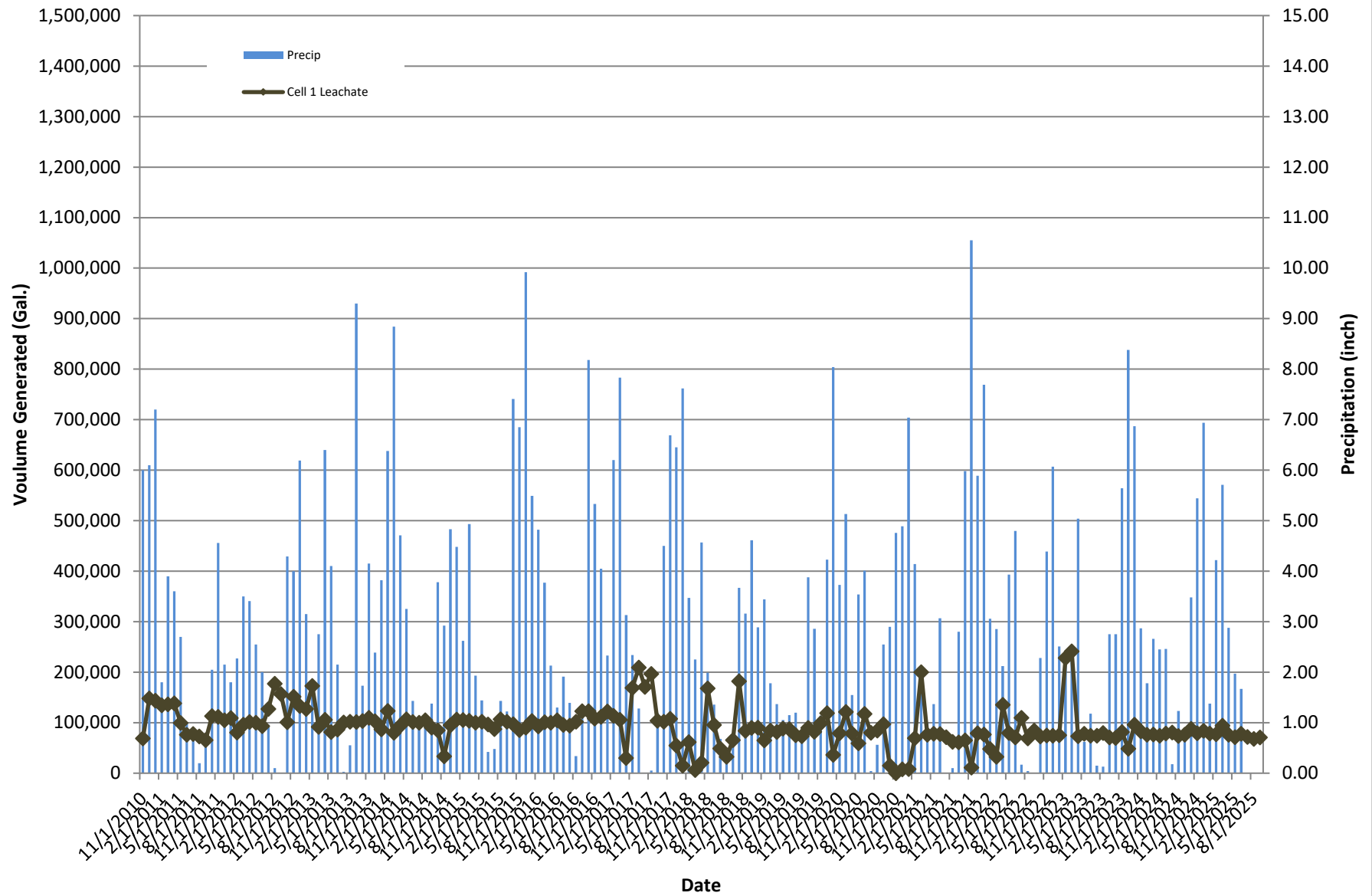
Date	Cell 1 Leachate Volume (GPD)	Cell 1 Leachate Level (in.)	Cell 2A Leachate Volume (GPD)	Cell 2A Leachate Level (in.)	Cell 2B Leachate Volume (GPD)	Cell 2B Leachate Level (in.)	Cell 3A Leachate Volume (GPD)	Cell 3A Leachate Level (in.)	Cell 4A Leachate Volume (GPD)	Cell 4A Leachate Level (in.)	Cell 4B Leachate Volume (GPD)	Cell 4B Leachate Level (in.)	Cell 5 Leachate Volume (GPD)	Cell 5 Leachate Level (in.)	Cell 6 Leachate Volume (GPD)	Cell 6 Leachate Level (in.)	Cell 7 Leachate Volume (GPD)	Cell 7 Leachate Level (in.)	Cell 8A Leachate Volume (GPD)	Cell 8A Leachate Level (in.)	Cell 9A Leachate Volume (GPD)	Cell 9A Leachate Level (in.)
7/1/2025	2,159	10.3	1,663	14.8	3,039	12.4	2,853	12.5	6,573	9.0	6,425	17.2	2,943	9.8	0	11.1	0	14.6	21,882	15.9	0	0.0
7/2/2025	1,227	10.7	0	12.7	3,429	12.4	3,213	12.5	6,713	9.1	6,541	17.2	3,001	9.8	11,022	13.9	11,656	13.2	9,472	21.0	0	0.0
7/3/2025	2,182	10.4	0	14.6	3,329	12.4	3,223	12.4	6,561	9.0	6,432	17.2	3,145	9.7	11,118	15.6	5,929	15.6	20,520	16.0	0	0.0
7/4/2025	2,563	10.5	0	0.0	3,069	12.3	3,223	12.5	11,578	9.4	6,318	17.2	2,909	9.8	0	0.0	0	0.0	8,735	21.0	0	0.0
7/5/2025	1,389	10.8	0	0.0	3,248	12.5	3,203	12.9	2,713	9.6	6,241	17.2	2,627	10.0	0	0.0	0	0.0	19,595	16.0	0	0.0
7/6/2025	2,440	10.5	0	0.0	3,273	12.4	2,137	12.9	10,235	8.0	6,181	17.2	2,855	9.9	0	0.0	0	0.0	7,510	21.0	0	0.0
7/7/2025	3,192	10.5	9,134	20.3	3,019	12.3	3,239	12.3	6,527	9.6	6,244	17.2	2,668	9.8	43,121	10.5	36,076	15.9	22,271	15.8	0	0.0
7/8/2025	2,231	10.7	0	8.9	3,240	12.4	3,180	12.5	1,227	9.7	6,349	17.2	2,913	10.0	12,485	10.0	11,802	15.0	8,121	21.1	0	0.0
7/9/2025	2,829	10.2	0	10.7	3,288	12.4	3,220	12.9	5,400	8.6	8,158	16.0	2,916	9.7	0	15.5	11,570	13.7	20,756	16.0	0	0.0
7/10/2025	2,264	10.6	0	12.5	3,048	12.4	2,148	12.8	6,454	8.9	6,143	15.2	2,855	9.7	0	19.1	5,968	15.2	8,143	21.0	0	0.0
7/11/2025	2,492	10.3	0	14.0	3,091	12.3	3,203	12.2	10,824	9.7	5,813	15.2	2,731	9.7	10,053	19.9	12,265	13.4	19,913	15.9	0	0.0
7/12/2025	2,472	10.5	5,658	0.0	3,087	12.2	3,218	12.6	2,336	8.9	5,775	15.2	2,980	9.8	0	0.0	0	0.0	8,425	21.0	0	0.0
7/13/2025	2,153	10.6	0	0.0	3,078	12.3	3,238	13.0	6,510	8.9	5,870	15.2	2,811	9.5	0	0.0	0	0.0	21,094	15.9	0	0.0
7/14/2025	2,427	10.6	0	10.7	3,124	12.4	2,161	12.5	6,614	8.9	5,788	15.2	2,894	9.7	33,323	18.8	24,677	10.4	8,566	21.1	0	0.0
7/15/2025	2,575	10.6	0	12.4	3,275	12.2	3,240	12.3	6,633	9.6	6,034	15.2	2,864	9.7	10,975	11.7	8,595	14.8	21,446	15.8	0	0.0
7/16/2025	2,782	10.5	0	14.0	3,141	12.2	3,247	12.4	6,586	8.8	6,123	15.2	2,951	9.6	10,504	20.7	6,278	15.9	9,646	20.9	0	0.0
7/17/2025	2,476	10.5	5,543	15.5	3,133	12.2	3,282	12.6	6,661	8.9	6,212	15.2	2,926	9.6	11,986	14.9	12,269	14.5	21,125	15.9	0	0.0
7/18/2025	2,164	10.5	0	8.8	3,268	12.4	3,249	12.9	7,649	9.5	6,442	15.2	2,753	9.4	13,306	20.7	11,725	13.8	8,088	21.0	0	0.0
7/19/2025	2,544	10.4	0	0.0	3,113	12.3	3,224	12.8	5,561	8.8	6,362	15.2	2,791	9.6	0	0.0	0	0.0	20,143	16.0	0	0.0
7/20/2025	2,631	10.5	0	0.0	3,139	12.4	2,167	12.6	6,605	8.9	6,334	15.2	2,741	9.7	0	0.0	0	0.0	8,408	21.0	0	0.0
7/21/2025	2,030	10.3	0	13.6	3,289	12.3	3,222	12.3	6,548	8.9	6,220	15.2	2,829	9.4	30,497	14.3	22,312	14.6	21,116	15.9	0	0.0
7/22/2025	1,982	10.6	5,557	15.3	3,207	12.5	3,208	12.6	8,565	9.2	6,216	15.2	2,780	9.5	11,320	19.2	6,760	11.6	8,459	20.8	0	0.0
7/23/2025	2,669	10.6	0	8.1	2,998	12.5	3,211	12.6	6,496	10.1	6,362	15.2	2,857	9.7	10,652	19.9	11,077	14.3	20,425	15.9	0	0.0
7/24/2025	2,128	10.4	0	0.0	3,224	12.5	3,220	12.8	6,842	8.3	6,459	15.3	2,750	9.6	10,585	0.0	5,912	0.0	7,956	20.8	0	0.0
7/25/2025	2,177	10.6	0	12.5	3,207	12.5	3,224	12.9	6,685	9.0	6,443	15.2	2,875	9.4	11,380	20.7	11,634	14.3	20,631	16.0	0	0.0
7/26/2025	1,224	10.7	0	0.0	3,502	12.5	2,149	12.6	7,168	9.3	6,462	15.2	2,887	9.4	0	0.0	0	0.0	8,253	21.0	0	0.0
7/27/2025	2,860	10.5	5,915	0.0	3,128	12.6	3,617	12.9	6,679	9.6	6,512	15.3	2,878	9.6	0	0.0	0	0.0	20,791	15.9	0	0.0
7/28/2025	1,807	10.6	0	7.4	3,207	12.6	3,209	13.0	240	9.6	6,313	15.2	2,668	9.7	32,703	20.1	20,387	14.6	7,775	20.9	0	0.0
7/29/2025	1,798	10.7	0	9.6	3,183	12.6	2,161	12.6	24,751	7.9	6,313	15.2	2,535	10.0	11,472	19.6	5,923	15.6	20,085	15.9	0	0.0
7/30/2025	3,559	10.3	0	11.8	2,987	12.5	3,274	12.4	6,688	8.7	6,309	15.2	2,628	9.5	9,735	20.6	14,740	13.2	8,655	21.0	0	0.0
7/31/2025	2,196	10.6	0	13.8	3,167	12.5	3,218	12.7	12,851	9.4	6,241	15.2	2,754	9.8	11,966	20.5	147	15.6	20,221	15.9	0	0.0
8/1/2025	1,805	10.6	4,972	15.5	3,301	12.6	3,221	13.0	12,774	8.1	6,481	15.2	2,653	10.1	10,428	20.4	9,995	15.4	8,238	21.0	0	0.0
8/2/2025	2,713	10.4	0	0.0	3,183	12.6	2,153	12.6	7,443	9.9	6,314	15.2	2,686	10.2	0	0.0	0	0.0	19,546	15.9	0	0.0
8/3/2025	2,736	10.4	0	0.0	3,230	12.6	3,247	12.3	5,506	8.6	6,253	15.2	2,692	10.2	0	0.0	0	0.0	8,205	21.0	0	0.0
8/4/2025	1,207	10.8	0	12.6	3,494	12.6	3,231	12.8	12,380	8.6	6,335	15.2	2,806	10.3	32,087	20.8	22,926	15.4	20,039	15.9	0	0.0
8/5/2025	2,832	10.4	0	15.0	3,180	12.6	3,276	12.9	7,940	9.9	6,311	15.2	2,862	10.3	11,924	20.0	10,827	15.2	8,431	20.9	0	0.0
8/6/2025	3,477	10.1	4,919	7.0	3,243	12.6	2,169	12.8	25,396	7.9	6,437	15.2	2,843	10.2	10,933	20.0	10,977	13.9	20,159	15.9	0	0.0
8/7/2025	2,482	10.3	0	9.2	3,277	12.7	3,228	12.4	25,191	8.2	6,432	15.2	2,761	10.1	13,087	19.6	11,068	9.7	8,443	21.0	0	0.0
8/8/2025	2,277	10.4	0	11.3	3,171	12.6	3,263	12.5	27,452	7.8	6,111	15.2	2,720	10.1	10,512	20.4	2,043	15.0	19,736	15.9	0	0.0
8/9/2025	1,828	10.6	0	0.0	3,614	12.6	3,249	12.7	20,877	8.0	6,189	15.2	2,707	10.0	0	0.0	0	0.0	7,479	21.0	0	0.0
8/10/2025	1,938	10.7	2,278	0.0	3,091	12.6	3,258	12.8	24,271	7.7	6,271	15.2	2,718	10.1	0	0.0	0	0.0	20,516	15.9	0	0.0
8/11/2025	3,037	10.5	0	12.2	3,181	12.5	3,277	12.7	7,091	8.2	6,427	15.2	2,900	10.0	34,355	18.8	26,644	14.1	8,214	21.0	0	0.0
8/12/2025	1,169	10.9	0	14.8	3,180	12.4	3,266	12.6	6,568	8.9	6,776	15.2	2,988	9.6	11,329	20.4	8,698	14.7	20,810	15.8	0	0.0
8/13/2025	2,224	10.7	0	15.8	3,139	12.6	3,268	12.7	6,479	9.4	6,468	15.2	3,021	9.2	11,102	20.3	11,897	14.7	7,880	21.0	0	0.0
8/14/2025	2,458	10.6	0	16.6	3,176	12.6	3,273	12.6	10,429	9.6	6,350	15.2	2,904	9.1	12,742	19.4	12,606	12.6	20,926	15.9	0	0.0
8/15/2025	2,052	10.7	7,187	18.7	3,738	12.6	3,271	12.6	4,184	9.1	6,281	15.2	2,801	9.2	11,692	17.8	1,023	12.8	26,146	20.1	0	0.0
8/16/2025	1,111	10.7	0	0.0	2,088	23.6	2,311	15.7	1,271	13.4	2,613	17.2	1,093	18.7	0	0.0	0	0.0	18,739	42.2	0	0.0
8/17/2025	3,098	10.5	0	0.0	3,964	27.2	5,058	17.2	10,298	12.3	10,213	18.1	4,975	17.7	0	0.0	0	0.0	1,915	54.7	0	0.0
8/18/2025	2,110	10.6	0	12.6	3,232	16.3	3,744	13.8	8,878	9.5	6,420	15.6	3,489	12.8	40,603	32.7	48,192	14.5	14,662	55.3	0	0.0
8/19/2025	2,081	10.6	0	14.5	3,433	12.7	3,816	13.0	6,797	9.0	6,069	15.2	3,373	10.8	14,308	30.9	16,618	12.4	54,338	51.3	0	0.0
8/20/2025	1,200	10.9	5,099	7.3	3,157	12.7	3,814	12.4	9,506	9.2	5,825	15.2	3,229	11.0	25,766	20.9	4	15.1	70,834	32.7	0	0.0
8/21/2025	1,212	10.9	0	9.7	3,253	16.1	3,436	13.1	8,801	8.9	5,825	15.6	3,074	13.0	12,472	16.8	16,287	13.5	22,535	17.1	0	0.0
8/22/2025	2,517	10.9	0	11.9	3,238	12.6	3,257	12.5	13,922	9.6	5,905	15.2	3,464	11.0	13,258	19.5	212	13.1	9,077	21.0	0	0.0
8/23/2025	2,278	10.9	0	0.0	3,344	12.6	3,262	12.6	6,301	8.5	6,082	15.2	3,452	11.0	0	0.0	0	0.0	21,228	15.8	0	0.0
8/24/2025	1,207	11.2	4,978	0.0	2,987	12.4	3,272	12.9	6,181	8.7	6,289	15.2	3,509	10.9	0	0.0						

Summary of Leachate Volume and Depth Data
Third Quarter 2025
LRI Landfill, Pierce County, Washington

Date	Cell 1 Leachate Volume (GPD)	Cell 1 Leachate Level (in.)	Cell 2A Leachate Volume (GPD)	Cell 2A Leachate Level (in.)	Cell 2B Leachate Volume (GPD)	Cell 2B Leachate Level (in.)	Cell 3A Leachate Volume (GPD)	Cell 3A Leachate Level (in.)	Cell 4A Leachate Volume (GPD)	Cell 4A Leachate Level (in.)	Cell 4B Leachate Volume (GPD)	Cell 4B Leachate Level (in.)	Cell 5 Leachate Volume (GPD)	Cell 5 Leachate Level (in.)	Cell 6 Leachate Volume (GPD)	Cell 6 Leachate Level (in.)	Cell 7 Leachate Volume (GPD)	Cell 7 Leachate Level (in.)	Cell 8A Leachate Volume (GPD)	Cell 8A Leachate Level (in.)	Cell 9A Leachate Volume (GPD)	Cell 9A Leachate Level (in.)
9/1/2025	1,209	11.0	0	13.2	3,416	12.7	3,241	12.7	4,659	9.3	6,376	15.2	3,357	11.0	35,249	17.7	33,931	12.4	8,659	21.0	13,375	16.3
9/2/2025	3,603	10.8	4,908	15.2	3,152	12.5	3,237	12.7	9,763	8.7	6,339	15.2	3,421	10.8	12,217	19.7	40	14.3	20,157	15.8	4,176	0.0
9/3/2025	1,278	10.9	0	8.0	2,215	18.0	2,179	13.6	3,824	9.5	4,506	15.8	2,480	14.3	11,791	20.2	12,679	10.8	9,107	21.0	7,652	0.0
9/4/2025	3,507	10.9	3	10.3	3,912	25.1	4,231	15.8	6,205	9.2	7,968	16.6	4,544	15.8	14,687	16.4	8,952	13.9	20,421	15.8	22,907	21.2
9/5/2025	2,383	10.7	119	0.0	3,624	12.5	3,256	12.6	8,496	9.1	2,626	17.3	3,654	11.2	19,238	0.0	0	0.0	9,011	21.0	33,760	15.1
9/6/2025	1,345	11.0	0	0.0	3,480	12.6	3,218	12.8	4,376	9.1	5,811	19.2	3,531	11.1	0	0.0	0	0.0	20,482	15.8	13,023	15.2
9/7/2025	2,214	10.9	4,895	0.0	3,487	12.5	3,275	12.6	4,434	9.2	6,057	19.2	3,381	11.0	0	0.0	0	0.0	9,988	21.1	13,697	15.8
9/8/2025	2,231	11.0	0	8.5	3,380	12.5	3,235	12.7	4,703	9.3	6,051	19.2	3,306	11.0	59,353	16.1	0	20.6	21,481	15.7	13,697	14.8
9/9/2025	3,906	10.6	0	10.6	3,401	12.5	3,248	12.6	7,641	9.2	6,020	19.2	3,376	10.9	19,091	16.4	0	25.0	7,777	20.9	13,223	15.1
9/10/2025	1,539	10.9	0	12.6	3,326	12.5	3,297	12.7	4,325	9.4	6,096	19.2	3,470	10.9	19,752	16.8	1,563	23.7	0	15.5	13,223	16.6
9/11/2025	2,556	10.7	0	0.0	3,381	12.5	3,304	12.7	4,660	7.9	6,111	19.2	3,431	10.9	0	0.0	0	0.0	0	21.0	0	19.9
9/12/2025	2,235	10.7	4,808	7.0	3,620	12.6	3,291	12.6	3,795	9.8	5,946	19.2	3,332	10.9	38,675	17.0	0	0.0	0	15.4	0	22.6
9/13/2025	1,432	11.2	0	0.0	3,318	12.5	3,273	12.6	8,030	8.5	5,952	19.2	3,308	10.9	0	0.0	0	0.0	0	21.0	0	24.8
9/14/2025	1,311	11.4	0	0.0	3,307	12.6	3,218	12.8	3,507	9.1	5,793	19.2	3,371	10.9	0	0.0	0	0.0	0	15.5	19,436	26.0
9/15/2025	2,351	10.9	0	12.7	3,275	12.6	3,207	12.5	7,115	9.6	5,915	19.2	3,179	10.8	58,749	18.0	0	0.0	0	20.8	30,612	15.0
9/16/2025	2,673	10.8	0	15.1	3,078	12.4	3,263	12.8	12,528	8.2	5,772	19.2	3,194	10.8	19,832	18.3	0	0.0	0	15.7	17,283	16.0
9/17/2025	1,181	10.9	4,975	7.6	3,285	12.5	2,183	12.6	13,679	7.9	5,798	19.2	3,201	10.8	17,196	18.5	0	103.0	0	21.0	13,290	14.8
9/18/2025	2,851	10.8	0	0.0	3,227	12.6	3,267	12.3	17,571	6.9	6,191	19.2	3,165	10.8	0	0.0	0	0.0	0	15.7	13,272	15.0
9/19/2025	2,783	10.9	0	12.0	3,333	12.4	3,258	12.5	14,306	7.3	6,362	19.2	1,751	11.2	0	19.1	0	12.1	0	21.0	16,948	14.9
9/20/2025	1,515	11.2	0	0.0	3,277	12.5	3,211	12.6	14,337	7.2	6,393	19.2	47	0.0	0	0.0	0	0.0	0	15.7	16,948	15.7
9/21/2025	2,600	11.0	4,921	0.0	3,337	12.6	3,250	12.9	12,016	7.2	6,007	19.2	41	0.0	0	0.0	0	0.0	0	22.7	12,987	15.1
9/22/2025	2,552	10.6	0	8.3	3,243	12.6	3,250	12.7	13,355	7.7	6,381	19.2	50	0.0	57,168	17.8	25,460	11.3	0	15.6	33,806	13.6
9/23/2025	1,417	11.3	0	10.6	3,267	12.6	3,251	12.7	14,977	7.1	6,354	19.2	59	0.0	14,752	19.7	9,589	14.1	0	20.9	44,433	0.3
9/24/2025	2,859	10.9	0	12.3	3,271	12.5	3,266	12.8	11,532	8.4	6,786	19.2	70	0.0	0	11.4	0	15.8	0	15.6	7,729	0.3
9/25/2025	3,283	10.6	0	14.1	3,281	12.6	2,201	12.5	14,350	7.1	6,541	19.2	154	0.0	26,520	13.9	20,374	13.3	0	20.9	1,416	3.9
9/26/2025	2,103	10.7	4,878	0.0	3,301	12.5	3,296	12.5	10,852	8.0	6,718	19.2	55	0.0	13,238	20.7	0	0.0	0	15.7	5,900	9.6
9/27/2025	3,539	10.5	0	0.0	3,549	12.5	3,287	12.5	14,585	7.3	6,828	19.3	52	0.0	0	0.0	0	0.0	0	20.9	5,900	14.2
9/28/2025	2,449	10.7	0	0.0	3,311	12.5	3,275	12.6	11,202	7.7	6,974	19.3	50	0.0	0	0.0	0	0.0	0	15.6	15,632	14.9
9/29/2025	2,374	10.7	0	13.0	3,530	12.6	3,308	12.6	14,756	7.2	7,110	19.3	53	0.0	40,993	20.1	0	13.4	0	20.6	16,823	15.3
9/30/2025	2,397	10.7	0	14.9	3,578	12.5	3,288	12.6	10,801	8.1	6,989	19.3	44	0.0	17,175	11.7	13	15.9	0	15.4	16,823	16.8

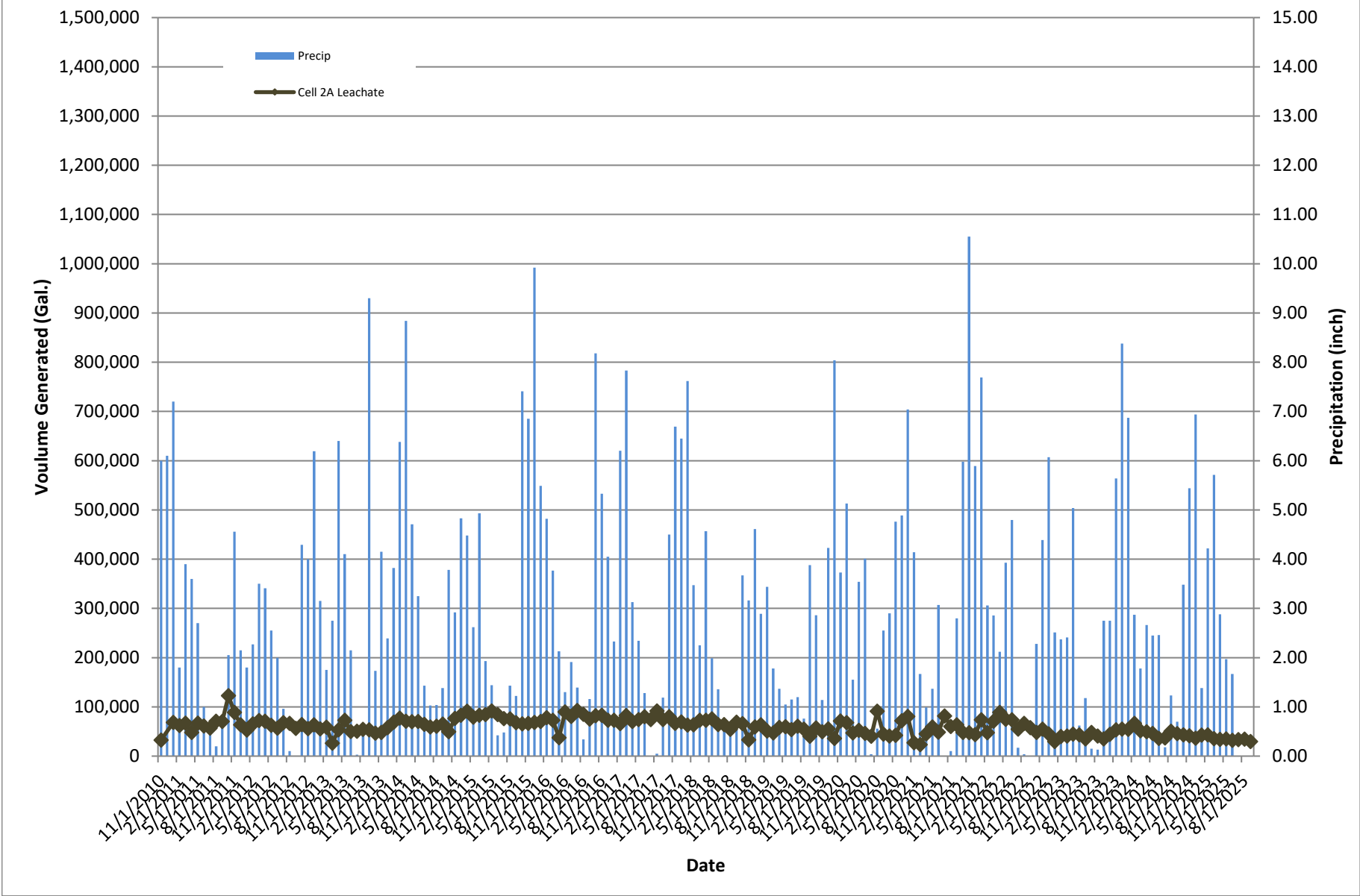
Cell 1 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



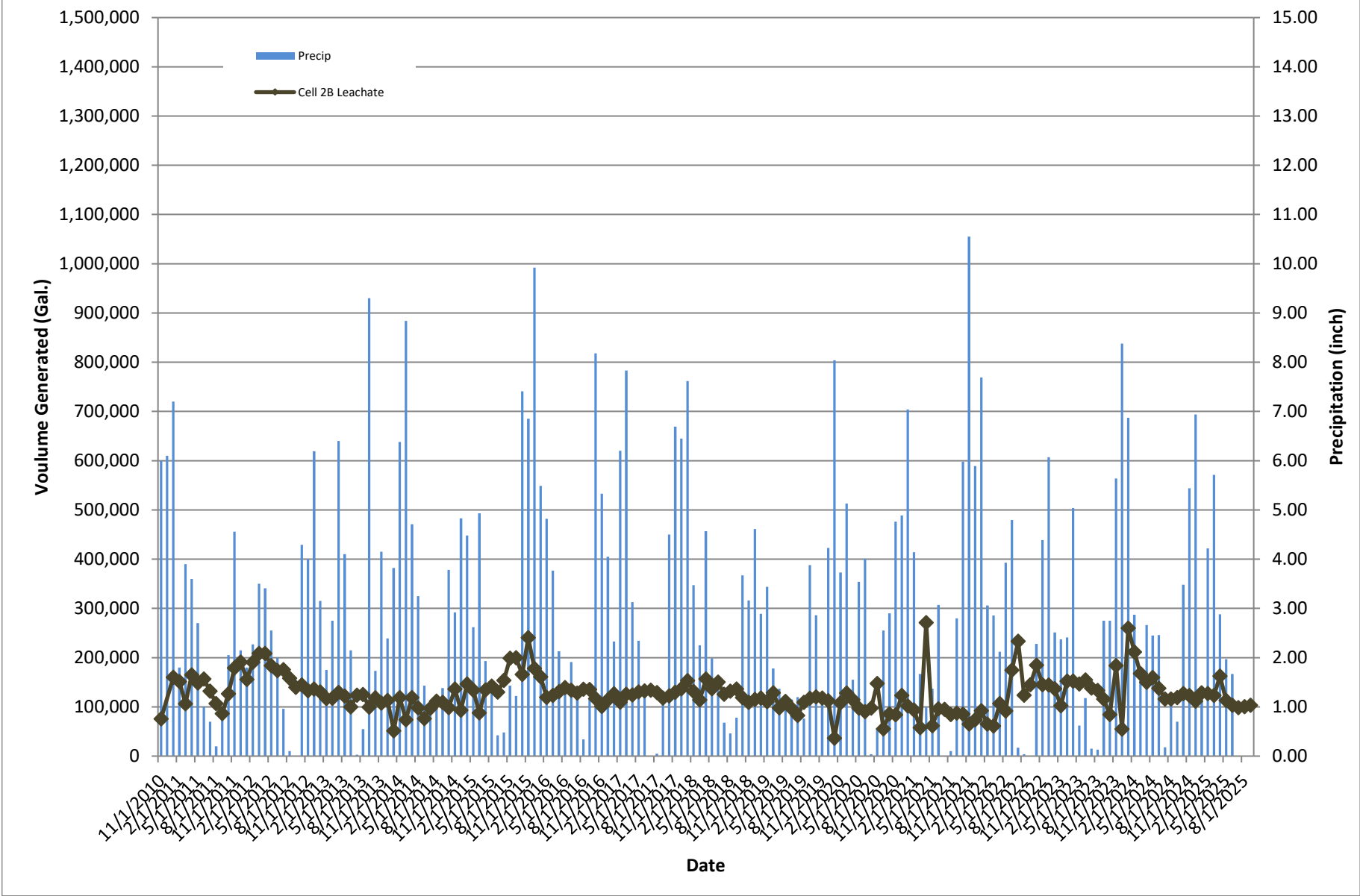
Cell 2A Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



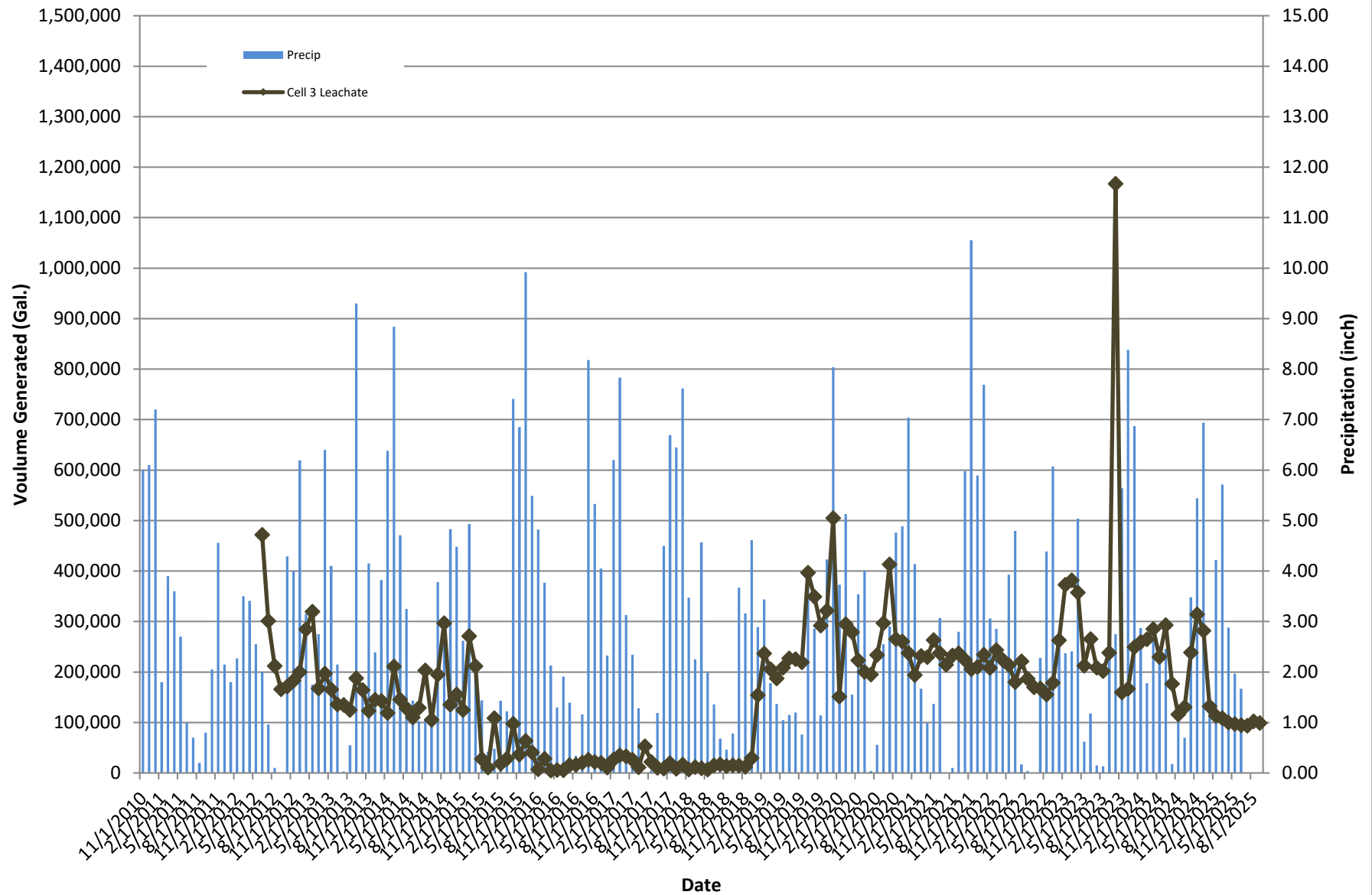
Cell 2B Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



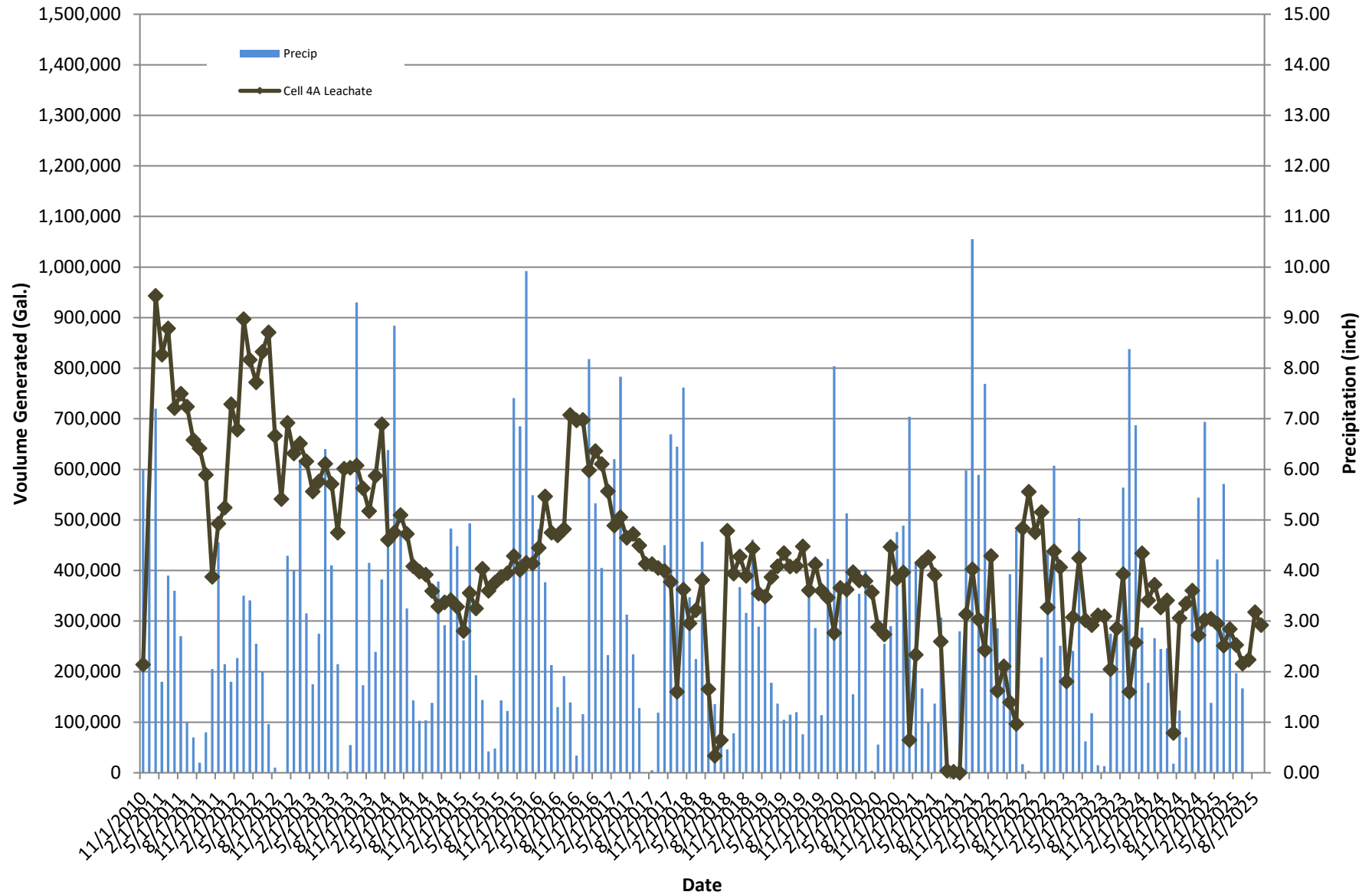
Cell 3A Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



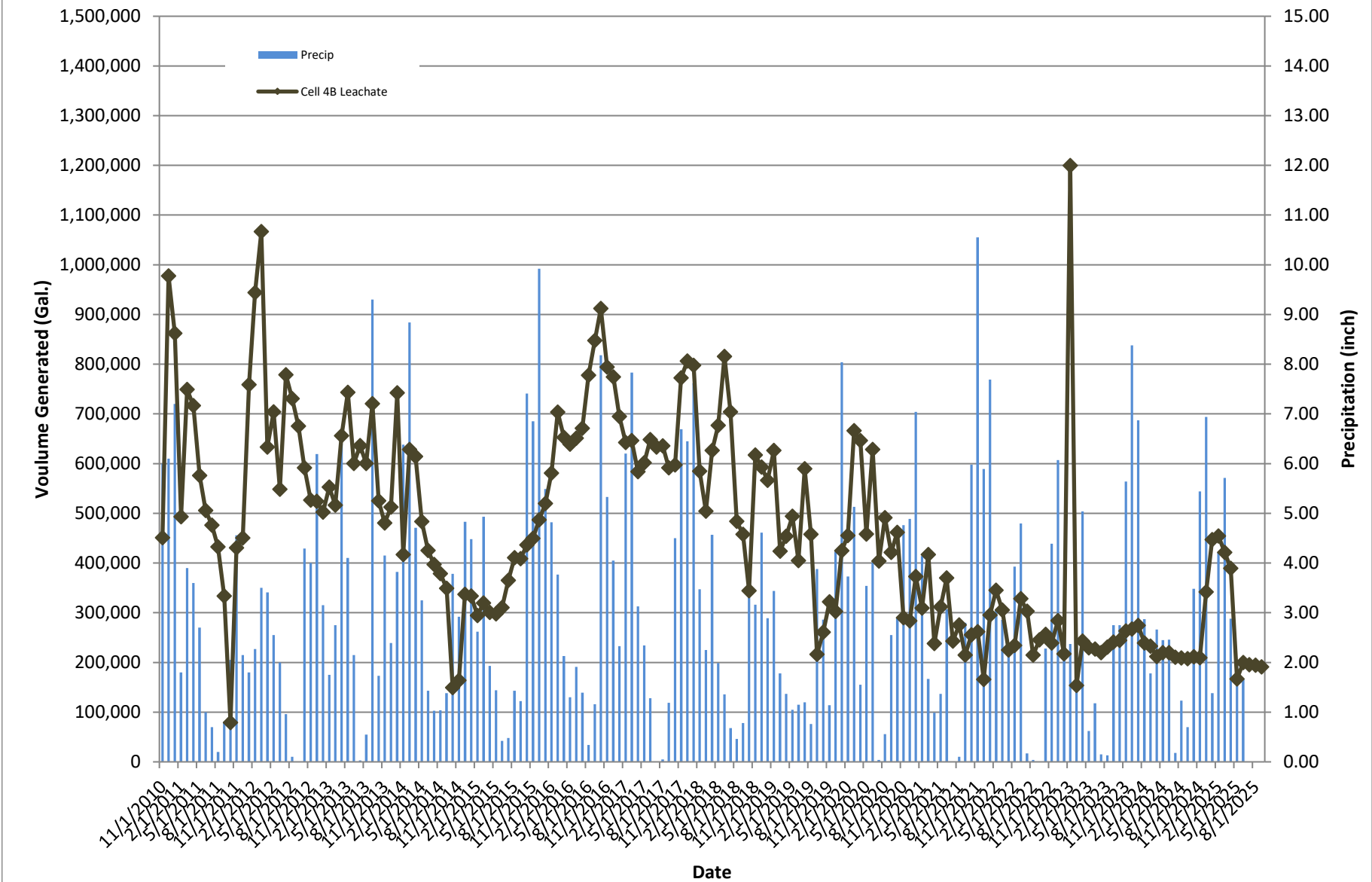
Cell 4A Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



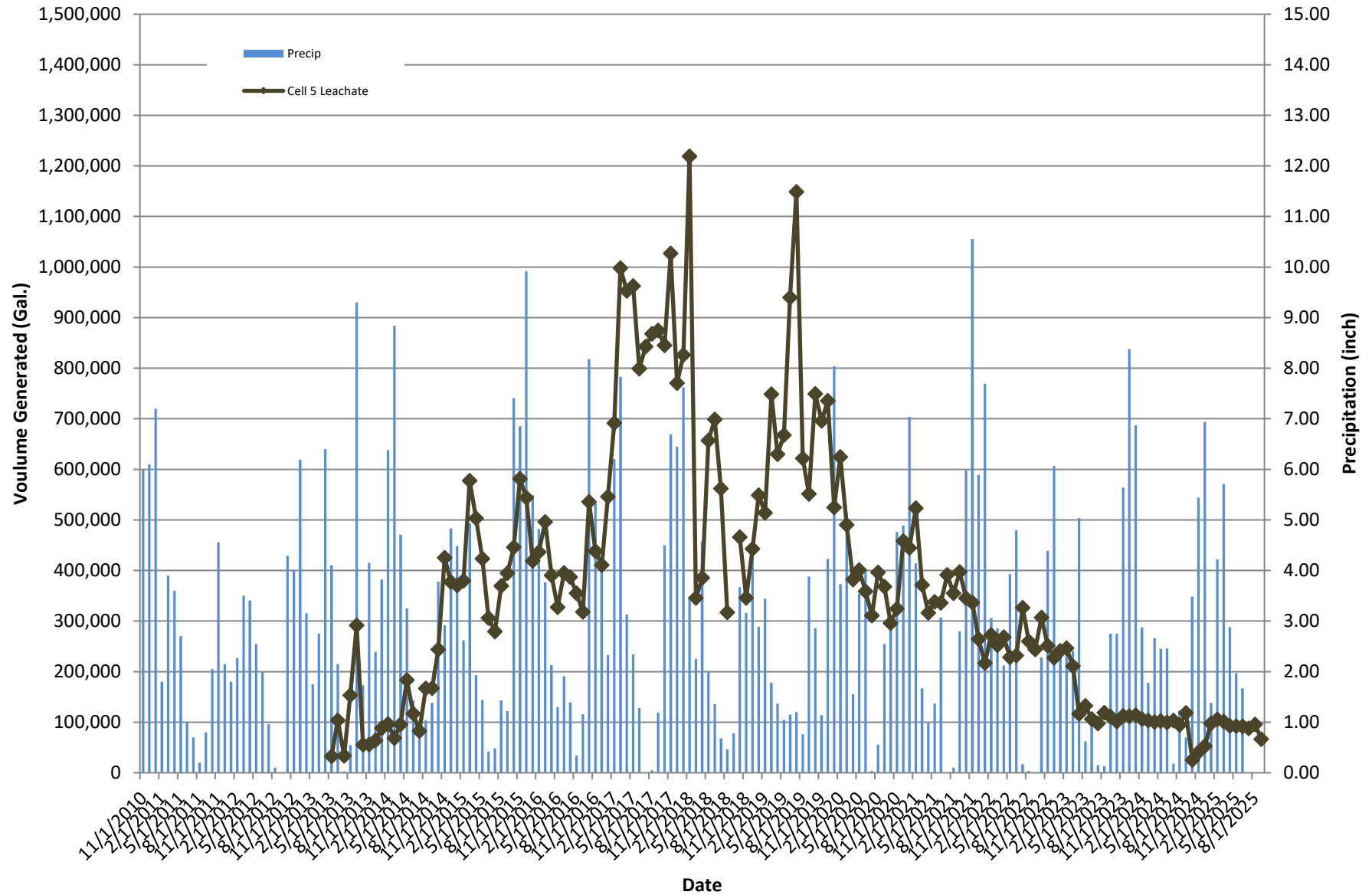
Cell 4B Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



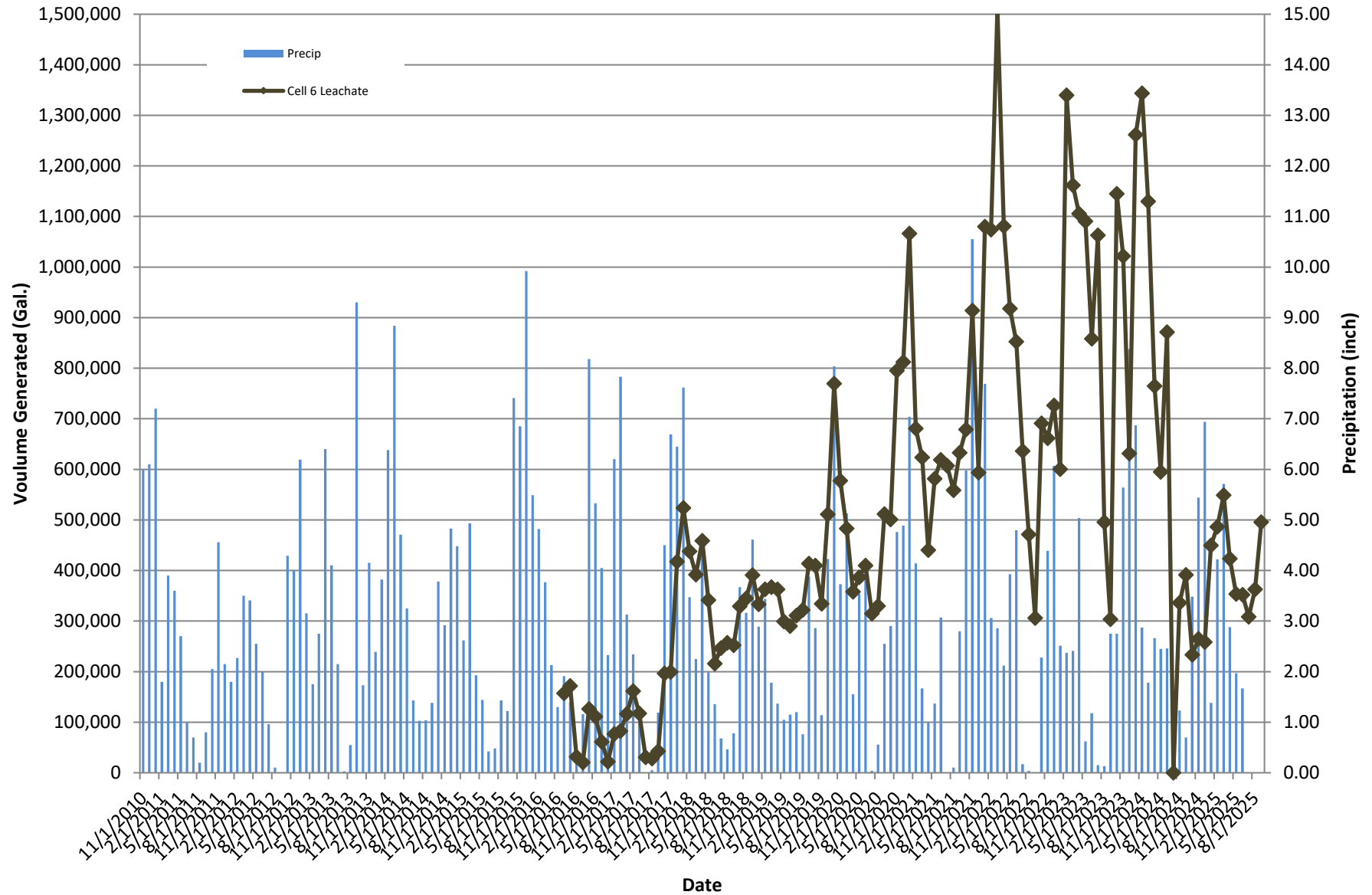
Cell 5 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



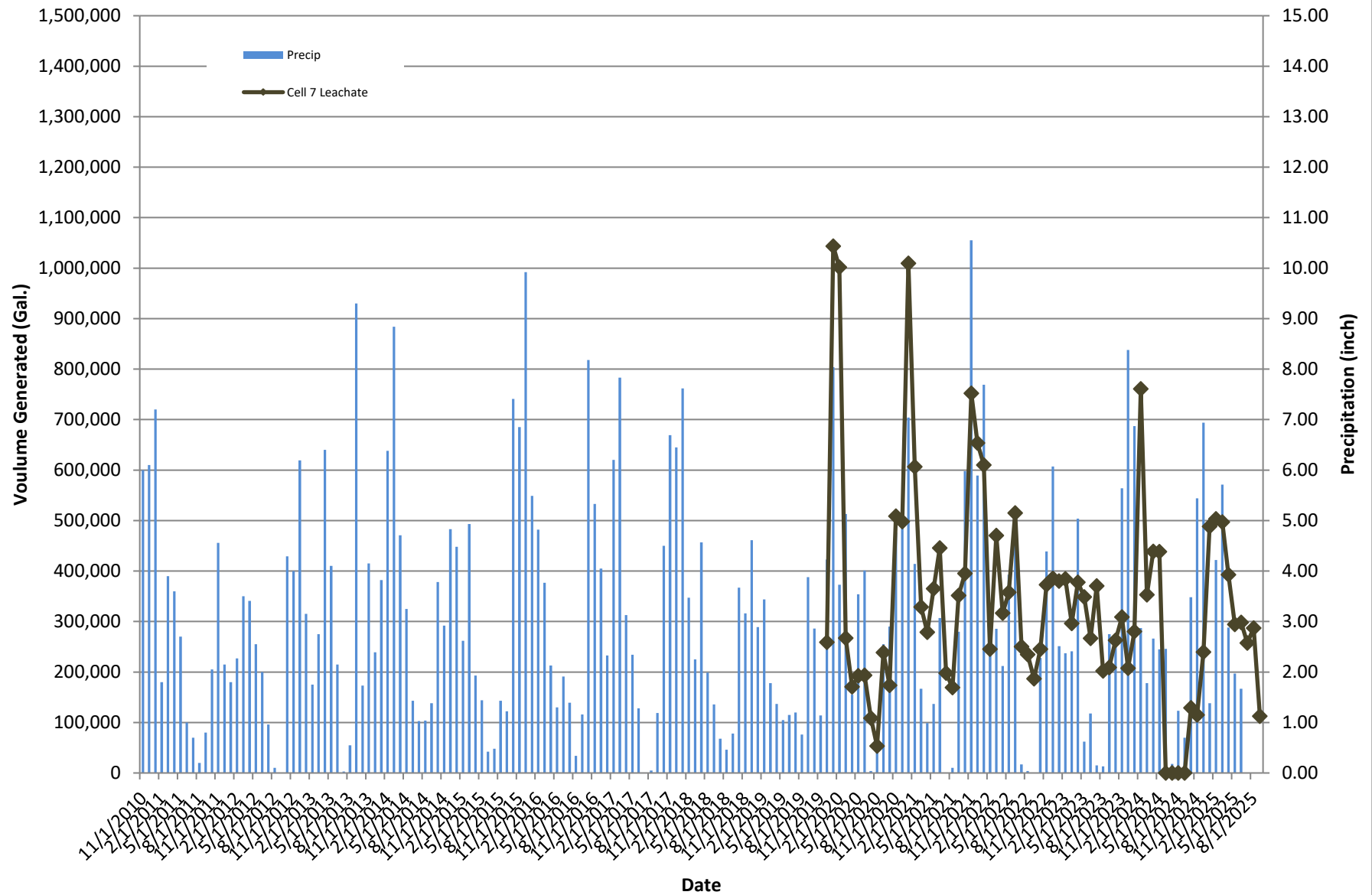
Cell 6 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



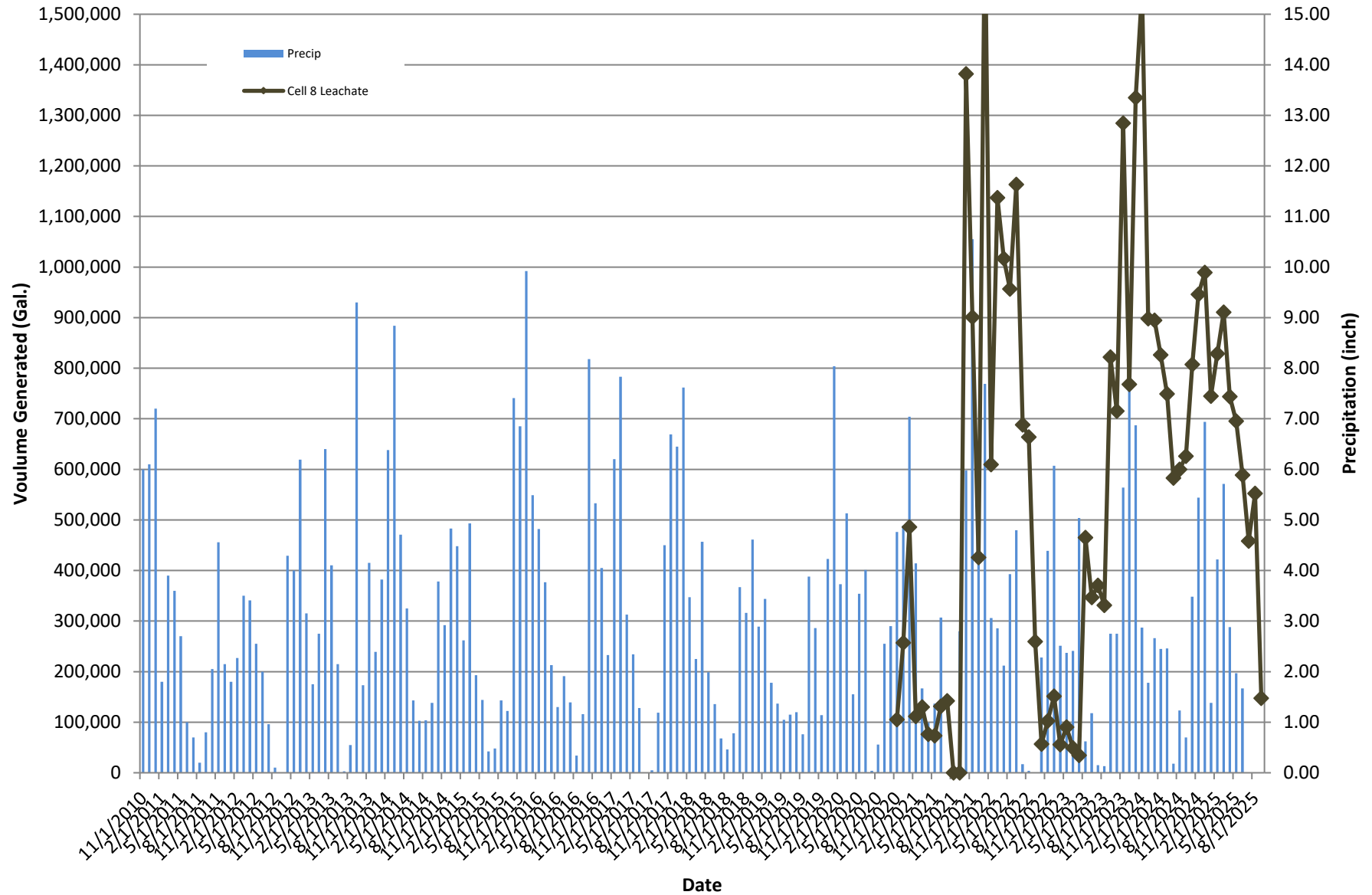
Cell 7 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



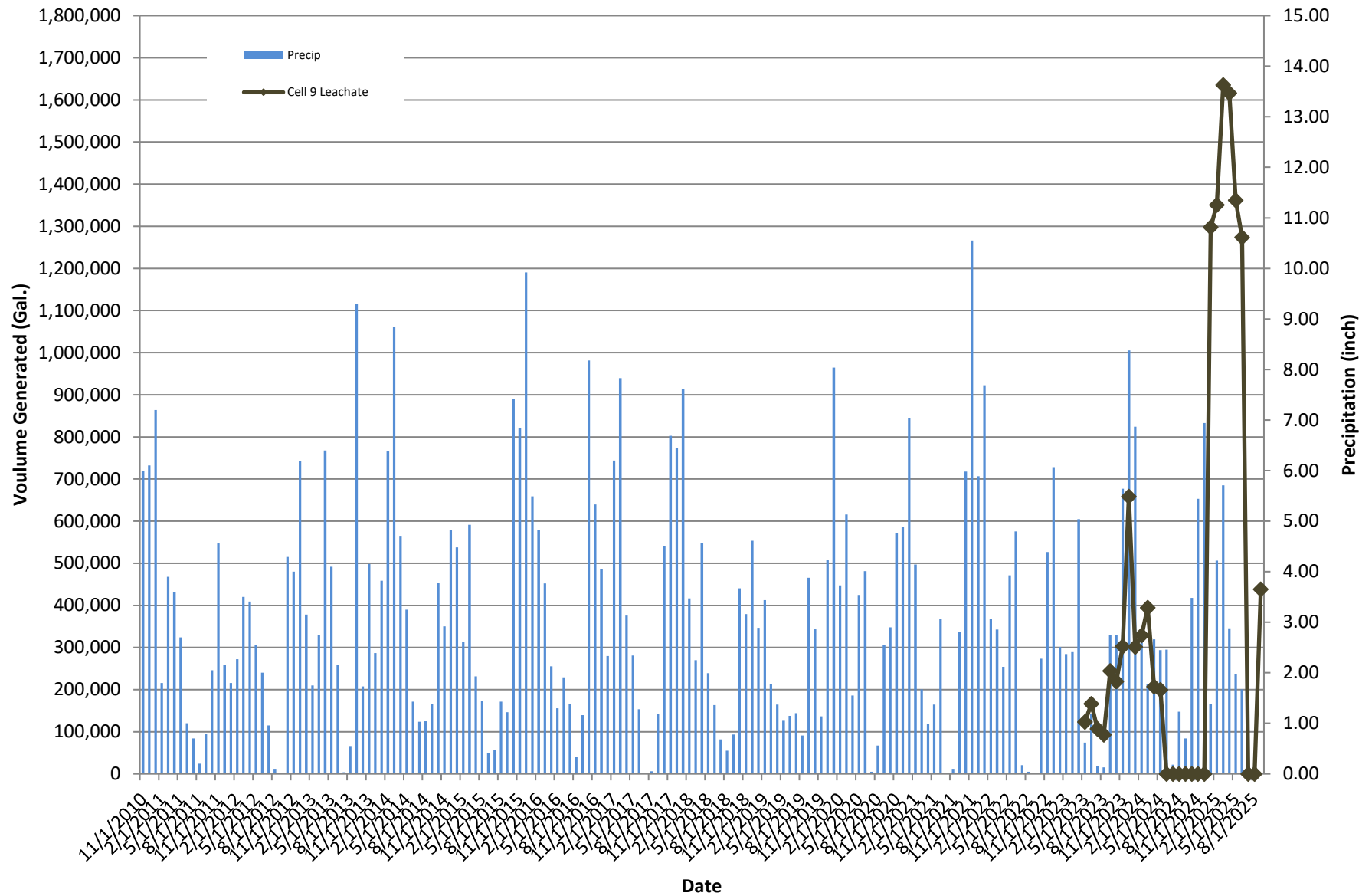
Cell 8 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



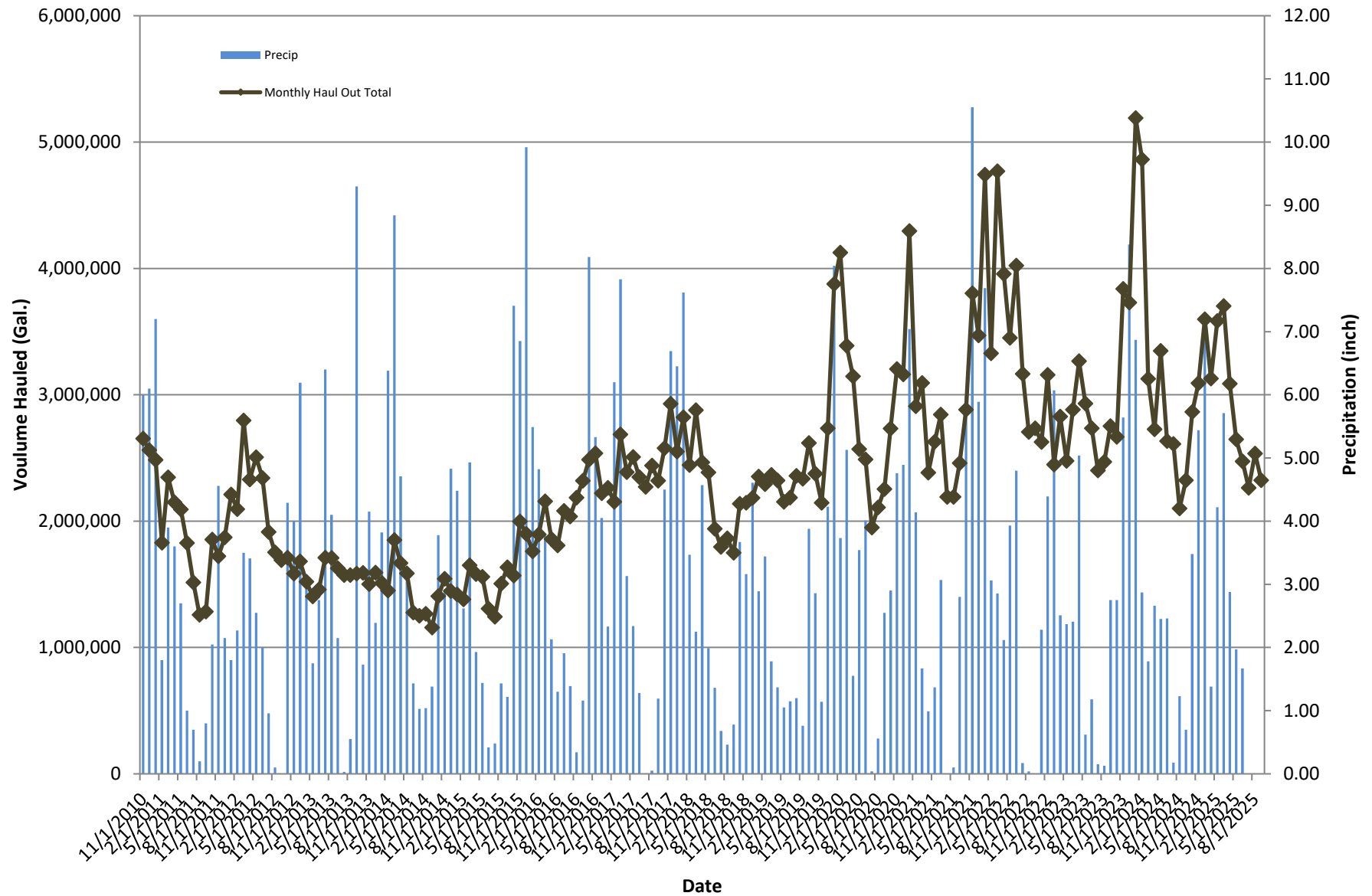
Cell 9 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



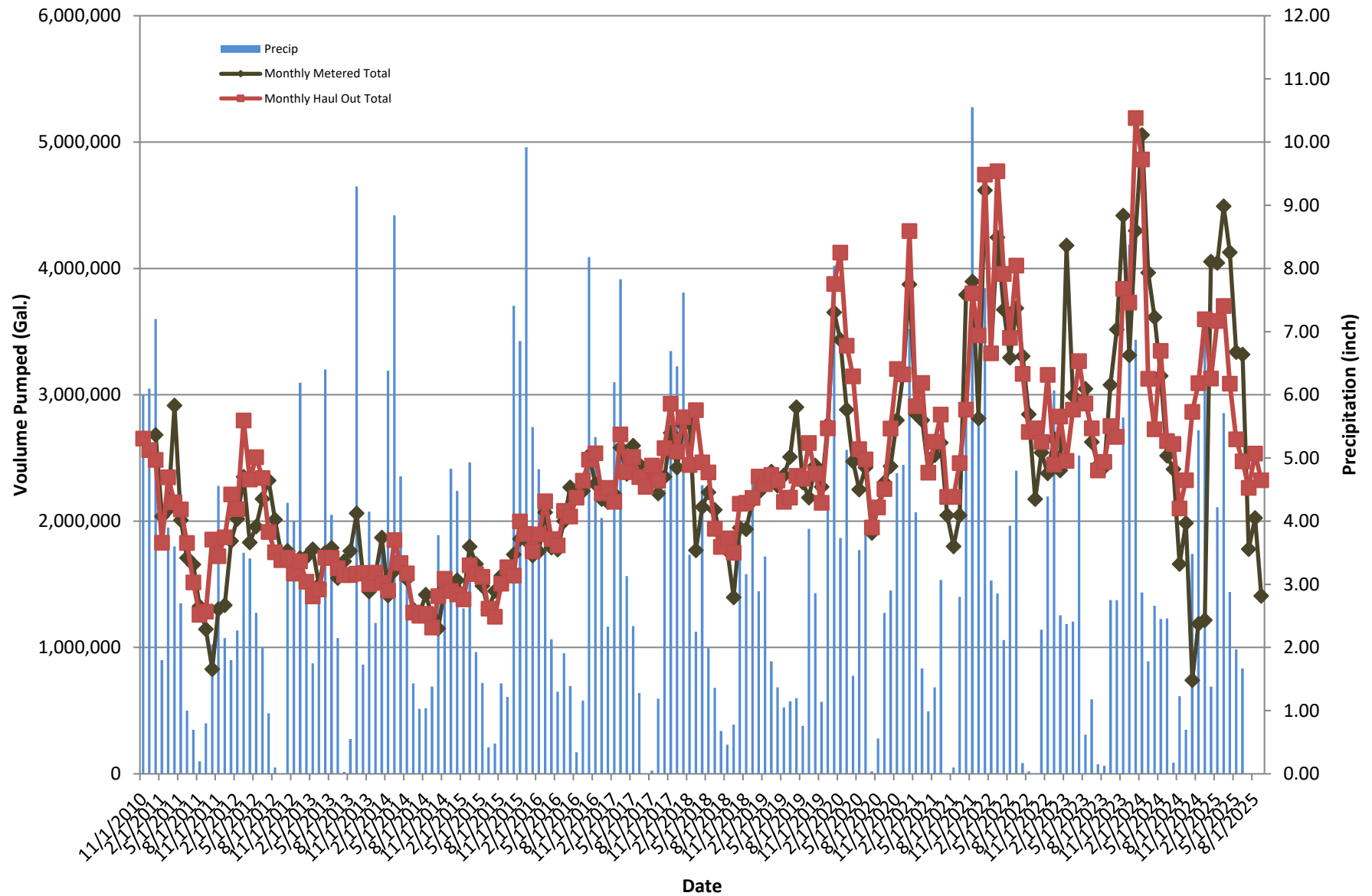
Monthly Leachate Haul Out vs Precipitation

LRI Landfill, Pierce County, WA



Monthly Leachate Metered and Haul Out Totals vs Precipitation

LRI Landfill, Pierce County, Washington



Attachment I

Surface Water Monitoring Data





Permit Number: WAR002603

Permittee: LRI 304th Street Landfill

Facility County: Pierce

Receiving Waterbody: South Creek

Monitoring Period: 07/01/2025 - 07/31/2025

Outfall: 001 - South Creek

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C8-1	C8-1	C8-2	C8-2	C9-1	C9-1
1-T	7/1/25	C	C	C	C	C	C
2-Su	7/6/25	C	C	C	C	C	C
3-Su	7/13/25	C	C	C	C	C	C
4-Su	7/20/25	C	C	C	C	C	C
5-Su	7/27/25	C	C	C	C	C	C
Minimum			C		C		C
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	C	C	C	C	C
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

Outfall: 001 - South Creek

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C8-1	All Parameters		C	
C8-2	All Parameters		C	
C9-1	All Parameters		C	

BMPs

Monitoring Point	Week	BMP
C8-1		Check Dams
C8-1		Construction Stormwater Chemical Treatment
C8-1		Other
C8-1		Silt Fence
C8-1		Temporary Sediment Pond
C8-2		Check Dams
C8-2		Other
C8-2		Silt Fence
C9-1		Check Dams
C9-1		Other
C9-1		Silt Fence

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

George Duvendack

8/18/2025 10:44:28 AM

Signature

Date



Permit Number: WAR002603

Permittee: LRI 304th Street Landfill

Facility County: Pierce

Receiving Waterbody: South Creek

Monitoring Period: 08/01/2025 - 08/31/2025

Outfall: 001 - South Creek

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C8-1	C8-1	C8-2	C8-2	C9-1	C9-1
1-F	8/1/25	C	C	C	C	C	C
2-Su	8/3/25	C	C	C	C	C	C
3-Su	8/10/25	C	C	C	C	C	C
4-Su	8/17/25	C	C	C	C	C	C
5-Su	8/24/25	C	C	C	C	C	C
6-Su	8/31/25	C	C	C	C	C	C
Minimum							
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum							
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

Outfall: 001 - South Creek

Monitoring Point	Parameter	Sample Date/ Statistical Base	Value	Notes/Comment
C8-1	All Parameters		C	
C8-2	All Parameters		C	
C9-1	All Parameters		C	

BMPs

Monitoring Point	Week	BMP
C8-1		Check Dams
C8-1		Construction Stormwater Chemical Treatment
C8-1		Other
C8-1		Silt Fence
C8-1		Temporary Sediment Pond
C8-2		Check Dams
C8-2		Other
C8-2		Silt Fence
C9-1		Check Dams
C9-1		Other
C9-1		Silt Fence

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

George Duvendack

Signature

9/15/2025 10:21:21 AM

Date



Permit Number: WAR002557

Permittee: LRI - 304th Street Landfill

Facility County: Pierce

Receiving Waterbody: Discharge from SW pond

Monitoring Period: 07/01/2025 - 09/30/2025

Outfall: SWPO - Discharge from SW pond

Version: 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	PFOA Nanograms/L (ng/L) Quarterly Grab	PFOS Nanograms/L (ng/L) Quarterly Grab	Perfluorohexanesulfonic acid (PFHxS) Nanograms/L (ng/L) Quarterly Grab	PFNA Nanograms/L (ng/L) Quarterly Grab	HFPO-DA Nanograms/L (ng/L) Quarterly Grab	PFBS Nanograms/L (ng/L) Quarterly Grab
		SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO
Limit Set		ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Waste Management & Remediation Services - 2025 Permit	ISGP Waste Management & Remediation Services - 2025 Permit	ISGP Waste Management & Remediation Services - 2025 Permit	ISGP Waste Management & Remediation Services - 2025 Permit	ISGP Waste Management & Remediation Services - 2025 Permit	ISGP Waste Management & Remediation Services - 2025 Permit
14-T	9/30/25	C	C	C	C	C	C	C	C	C	C	C
Minimum			C									
			BM: >= 5.0 (RO)									
Average		C			C	C	C	C	C	C	C	C
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			C									
			BM: <= 9.0 (RO)									
Month 1 Average												
Month 2 Average												
Month 3 Average												

Reporting Codes Used: C - No Discharge

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

George Duvendack

10/14/2025 6:16:28 AM

Signature

Date



Week	Monitoring Point	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Micrograms/L (ug/L) Quarterly Grab	4-methylphenol (p-cresol) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	Alpha-terpinol (3-Cyclohexene-1-methanol,,alpha.,alpha.,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Phenol Micrograms/L (ug/L) Quarterly Grab
		SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2025 permit
14-T	9/30/25	C	C	C	C	C	C	C
Minimum								
Average								
Maximum								
Month 1 Average		C	C	C	C	C	C	C
		<= 37	<= 27	<= 4.9	<= 14	<= 71	<= 16	<= 15
Month 2 Average		C	C	C	C	C	C	C
		<= 37	<= 27	<= 4.9	<= 14	<= 71	<= 16	<= 15
Month 3 Average		C	C	C	C	C	C	C
		<= 37	<= 27	<= 4.9	<= 14	<= 71	<= 16	<= 15



Permit Number: WAR002557

Permittee: LRI - 304th Street Landfill

Facility County: Pierce

Receiving Waterbody: Discharge from SW pond

Monitoring Period: 07/01/2025 - 09/30/2025

Outfall: SWPO - Discharge from SW pond

Version: 1

	Monitoring Point	Turbidity (NTU) Measured NTU Quarterly Grab	pH Standard Units Quarterly Grab	Oil & Grease Yes/No Quarterly Visual Observation	Copper Total Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	PFOA Nanograms/L (ng/L) Quarterly Grab	PFOs Nanograms/L (ng/L) Quarterly Grab	Perfluorohexanesulfonic acid (PFHxS) Nanograms/L (ng/L) Quarterly Grab	PFNA Nanograms/L (ng/L) Quarterly Grab	HFPO-DA Nanograms/L (ng/L) Quarterly Grab	PFBS Nanograms/L (ng/L) Quarterly Grab
Week		SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO
Limit Set		ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Western WA - 2025 Permit	ISGP Waste Managemen t & Remediatio n Services - 2025 Permit	ISGP Waste Managemen t & Remediatio n Services - 2025 Permit	ISGP Waste Managemen t & Remediatio n Services - 2025 Permit	ISGP Waste Managemen t & Remediatio n Services - 2025 Permit	ISGP Waste Managemen t & Remediatio n Services - 2025 Permit	ISGP Waste Managemen t & Remediatio n Services - 2025 Permit
14-T	9/30/25	C	C	C	C	C	C	C	C	C	C	C
Minimum			C									
			BM: >= 5.0 (RO)									
Average		C			C	C	C	C	C	C	C	C
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			C									
			BM: <= 9.0 (RO)									
Month 1 Average												
Month 2 Average												
Month 3 Average												

Reporting Codes Used: C - No Discharge

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George Duvendack

10/14/2025 6:16:28 AM

Signature

Date



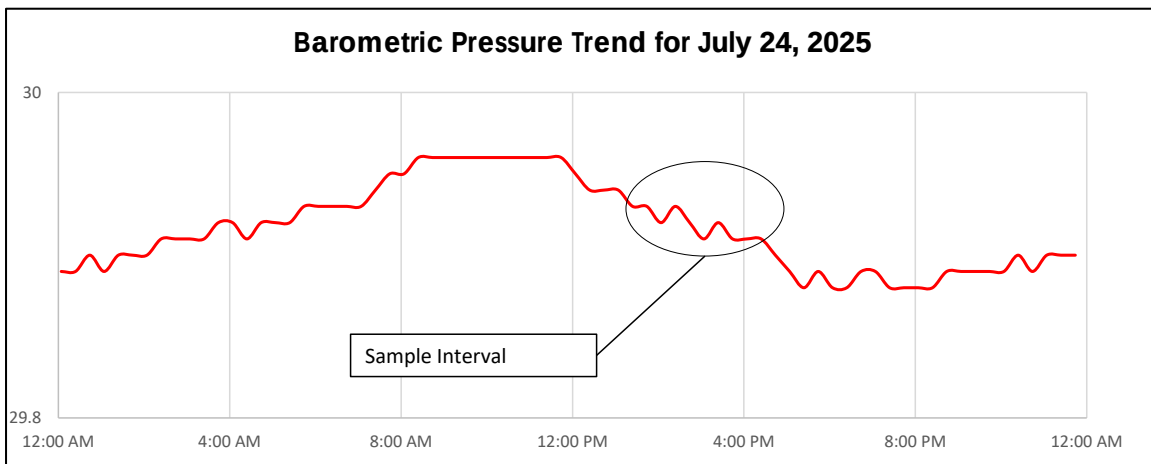
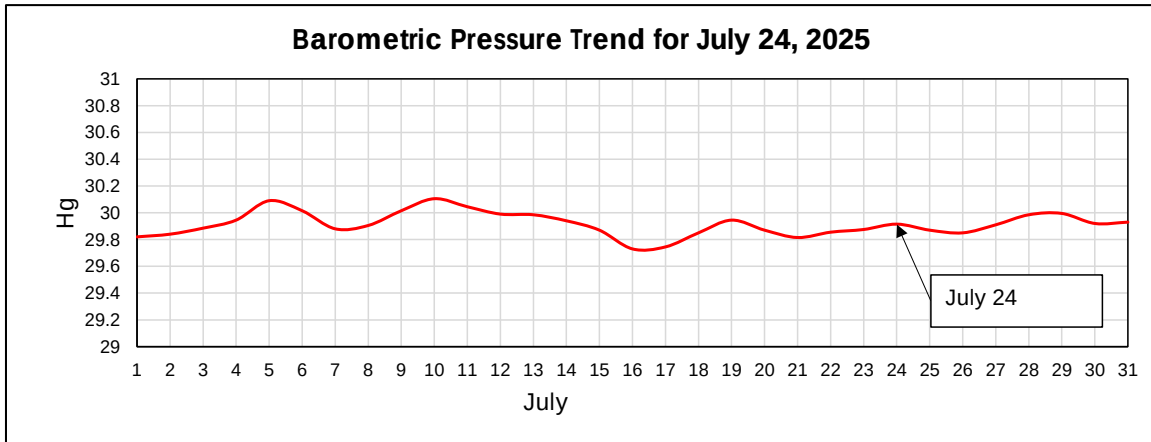
Attachment J

Landfill Gas Monitoring Data



Barometric Pressure Trend - July 2025

LRI Landfill, Pierce County, Washington



Monthly Data Source: Wunderground.com (South Hill, WA)

Lat: 46.98 Long: 122.34 Elev: 692 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWAGRAHA105/table/2025-07-24/2025-07-24/daily>

Daily Data Source: Wunderground.com (South Hill, WA)

Lat: 46.98 Long: 122.34 Elev: 692 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWAGRAHA105/table/2025-07-24/2025-07-24/daily>

LRI Landfill

04225001.04

July-25

Perimeter Gas Probes

General Data:

	Beginning	Ending	Average		
				Starting Date:	7/23/2025
Weather:	Sunny	Sunny	Sunny	Starting Time:	8:43
Temperature, T (deg F):	62	69	65.5	Finishing Date:	7/23/2025
Wind Speed (mph):	5	10	7.5	Finishing Time:	11:34
Wind Direction:	292.5	315	303.75	Monitored by:	ZA
Barometric Pressure, P (in Hg):	29.62	29.61	29.62	Instruments:	Elkins Envision
24hr Baro.Trend (rising / falling / steady / unsteady)	Falling			Calibration Date:	7/23/2025

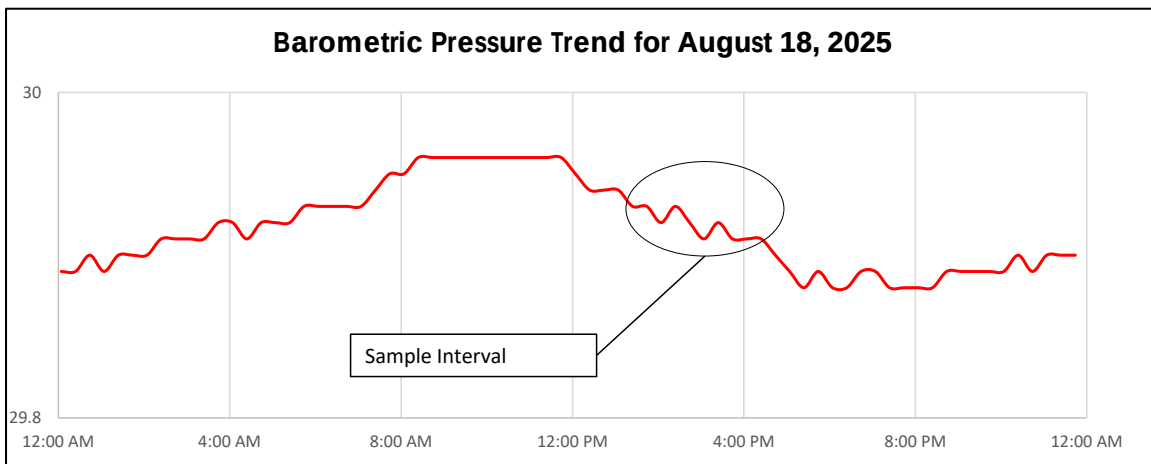
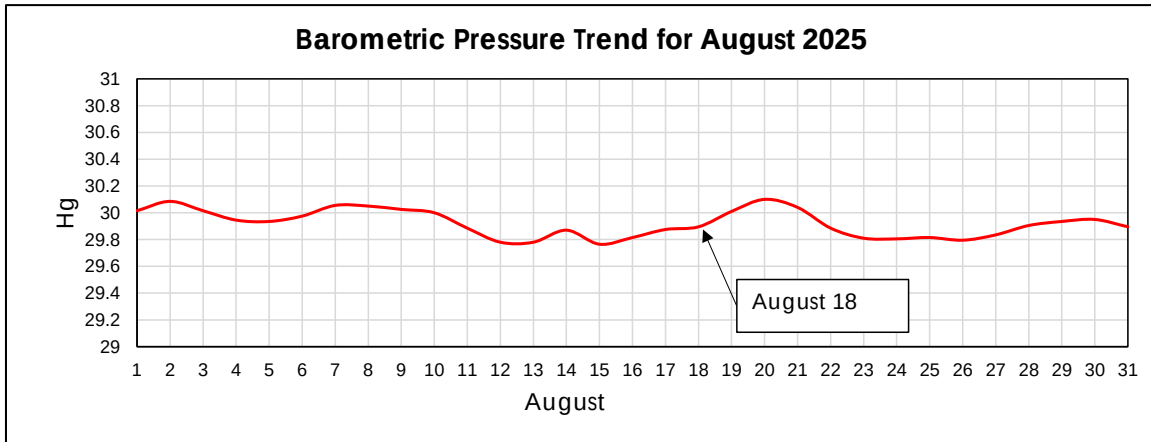
Headings:

Notes:

P _(well)	Relative Pressure	1.	Measurement for spike concentrations of CH ₄ and CO ₂ are recorded as a comment if observed during sampling.
CH ₄	Methane		
CO ₂	Carbon Dioxide	2.	Water level measurements made where gas probe monitoring port allows for measurement, or where there is an adjacent measurement piezometer.
O ₂	Oxygen		
H ₂ O	Water Vapor	3.	Exposed Perforation = perforated pipe section not submerged by liquid.
N ₂	Nitrogen		
TOC	Top of Casing		

Barometric Pressure Trend - August 2025

LRI Landfill, Pierce County, Washington



Monthly Data Source: Wunderground.com (South Hill, WA)

Lat: 46.98 Long: 122.34 Elev: 692 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWAGRAHA105/table/2025-07-24/2025-07-24/daily>

Daily Data Source: Wunderground.com (South Hill, WA)

Lat: 46.98 Long: 122.34 Elev: 692 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWAGRAHA105/table/2025-07-24/2025-07-24/daily>

LRI Landfill

04225001.04

August-25

General Data:

	Beginning	Ending	Average	Starting Date:	8/18/2025
Weather:	Sunny	Sunny	Sunny	Starting Time:	6:48
Temperature, T (deg F):	62	69	65.5	Finishing Date:	8/18/2025
Wind Speed (mph):	5	10	7.5	Finishing Time:	8:39
Wind Direction:	292.5	315	303.75	Monitored by:	AD
Barometric Pressure, P (in Hg):	29.62	29.61	29.62	Instruments:	Elkins Envision
24hr Baro.Trend (rising / falling / steady / unsteady)	Falling			Calibration Date:	8/18/2025

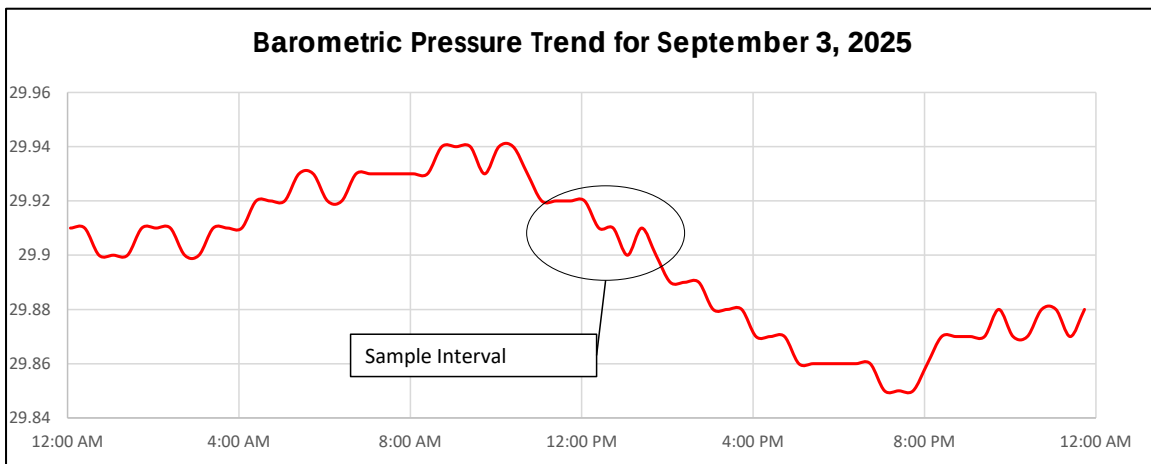
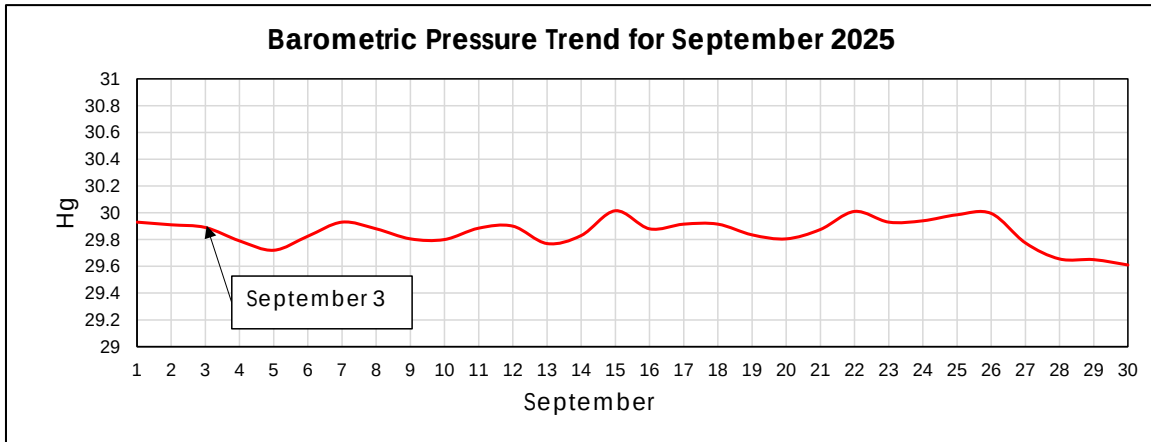
Headings:

Notes:

P _(well)	Relative Pressure	1.	Measurement for spike concentrations of CH ₄ and CO ₂ are recorded as a comment if observed during sampling.
CH ₄	Methane		
CO ₂	Carbon Dioxide	2.	Water level measurements made where gas probe monitoring port allows for measurement, or where there is an adjacent measurement piezometer.
O ₂	Oxygen		
H ₂ O	Water Vapor	3.	Exposed Perforation = perforated pipe section not submerged by liquid.
N ₂	Nitrogen		
TOC	Top of Casing		

Barometric Pressure Trend - September 2025

LRI Landfill, Pierce County, Washington



Monthly Data Source: Wunderground.com (South Hill, WA)

Lat: 46.98 Long: 122.34 Elev: 692 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWAGRAHA105/table/2025-07-24/2025-07-24/daily>

Daily Data Source: Wunderground.com (South Hill, WA)

Lat: 46.98 Long: 122.34 Elev: 692 ft-AMSL

Data Source:

<https://www.wunderground.com/dashboard/pws/KWAGRAHA105/table/2025-07-24/2025-07-24/daily>

Location Refer <i>Design.</i>	Date	Time	P _(well) (in W.C.)	Gas Composition - <i>Note 1</i>					Depth to Water <i>Note 2</i> (ft-TOC)	Exposed Portion of Perforations - <i>Note 3</i>		Comments
				CH ₄ Spike (% by vol.)	CH ₄ (% by vol.)	CO ₂ (% by vol.)	O ₂ (% by vol.)	Balance (N ₂ & H ₂ O) (% by vol.)		(ft)	(%)	
				Normal Operating Range:								
(min)			-	-	0.3	-	-				20.0	
(max)			0.04	-	5.0	5.0	20.3				90.0	

Perimeter Gas Probes												
GP-1A	9/3/2025	12:07	0.02	--	9.4	49.2	8.6	32.8	13.2	0.0	0.0	
GP-2	9/3/2025	11:51	0.02	--	0.0	15.9	0.2	83.9	17.7	0.0	0.0	
GP-3	9/3/2025	11:43	0.01	--	0.0	5.4	17.5	77.1	12.6	0.0	0.0	
GP-4	9/3/2025	11:41	0.02	--	0.0	7.2	14.3	78.5	14.5	0.0	0.0	
GP-9	9/3/2025	11:38	0.02	--	0.0	7.3	9.4	83.3	16.9	0.0	0.0	
GP-10	9/3/2025	12:10	0.01	--	3.3	18.7	6.8	71.2		0.0	0.0	
GP-10P	9/3/2025	12:11	0.02	--	0.1	13.2	10.1	76.6		0.0	0.0	
GP-11	9/3/2025	12:15	-0.11	--	0.0	22.0	3.8	74.2		0.0	0.0	
GP-12	9/3/2025	12:19	-0.05	--	0.0	7.7	16.5	75.8		0.0	0.0	
GP-13	9/3/2025	12:24	0.03	--	0.0	23.8	5.0	71.2		0.0	0.0	
GP-14	9/3/2025	12:54	0.04	--	0.0	7.5	12.1	80.4	17.7	0.0	0.0	
GP-15	9/3/2025	12:50	0.03	--	0.8	37.9	3.1	58.2	dry	0.0	0.0	
GP-16	9/3/2025	11:35	0.03	--	0.0	1.0	20.0	79.0	dry	0.0	0.0	
GP-17	9/3/2025	11:58	0.0	--	0.0	10.0	9.4	80.6	9.2	0.0	0.0	
GP-18	9/3/2025	11:47	0.0	--	0.0	0.8	20.5	78.7	9.5	0.0	0.0	
GP-19	9/3/2025	12:59	0.0	--	0.0	0.3	20.9	78.8	17.8	0.0	0.0	
GP-20	9/3/2025	12:30	0.0	--	0.0	0.2	21.4	78.4	dry	0.0	0.0	
GP-21	9/3/2025	12:29	0.0	--	0.0	0.6	20.3	79.1	dry	0.0	0.0	

General Data:

	Beginning	Ending	Average	Starting Date:	9/3/2025
Weather:	Sunny	Sunny	Sunny	Starting Time:	11:35
Temperature, T (deg F):	62	69	65.5	Finishing Date:	9/3/2025
Wind Speed (mph):	5	10	7.5	Finishing Time:	12:59
Wind Direction:	292.5	315	303.75	Monitored by:	0
Barometric Pressure, P (in Hg):	29.62	29.61	29.62	Instruments:	Elkins Envision
24hr Baro.Trend (rising / falling / steady / unsteady)	Falling			Calibration Date:	9/3/2025

Headings:		Notes:	
P _(well)	Relative Pressure	1.	Measurement for spike concentrations of CH ₄ and CO ₂ are recorded as a comment if observed during sampling.
CH ₄	Methane		
CO ₂	Carbon Dioxide	2.	Water level measurements made where gas probe monitoring port allows for measurement, or where there is an adjacent measurement piezometer.
O ₂	Oxygen		
H ₂ O	Water Vapor	3.	Exposed Perforation = perforated pipe section not submerged by liquid.
N ₂	Nitrogen		
TOC	Top of Casing		

LRI 304th Street Landfill
Landfill Gas Monitoring of On-site Buildings

Project Number: 04224001.04

Date: 9/4/25

Weather Conditions: Sunny / Smoggy

Instrument: Micro FID

Measured By: AMD

The atmosphere inside buildings at the landfill were monitored for possible intrusion of methane gas. Per WAC 173-351, concentrations of methane in on-site structures must not exceed 25% of the lower explosive limit (LEL). If off-site gas migration is suspected, concentrations of methane in off-site structures must not exceed 100 ppm methane.

The areas monitored included:

- The general overall work area
- Floor drains
- Underground conduit protrusions
- Closed areas where landfill gas could collect, such as under cupboards and inside closets

The gas detection instrument must be calibrated using calibration gas containing methane equal to 50 % LEL. Calibration must be performed before and after the survey is completed.

UPWIND: 0.1 PPM Downwind: 0.3-0.6 PPM

Checked boxes indicate that the survey revealed **no detectable methane**.

Max
6.4 PPM
1.6 PPM
1.0 PPM
5.4 PPM
1.2 PPM



Main Office - individual office spaces, storage areas and within open crawl-space area.

Repair Shop - survey atmosphere conditions throughout (lower height levels). Doors open / Fans running

Pay/Scale Booth - interior of building.

Work Shop - interior of shed adjacent to stormwater ponds.

Energy Plant - occupied spaces of building adjacent to blower flare station.


Signature