First Quarter 2025 Monitoring Report

LRI Landfill
Graham, Washington

Pierce County Recycling, Composting
& Disposal, LLC dba LRI
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SCS ENGINEERS

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This document presents the First 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

First quarter 2025 groundwater samples were collected from the LRI Landfill monitoring network on March 26-27, 2024. Eight monitoring wells (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-9A) were sampled this quarter. Monitoring well MW-1A was not sampled during this quarter due to a pump malfunction. The pump has been replaced, and monitoring of the well will resume during the next sampling event. 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 first 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 first quarter unless otherwise noted. The highest concentrations of chloride and nitrate in the uppermost aquifer continue to be observed in background well MW-10. However, the highest concentration of chloride was reported for Q1 in monitoring well MW-4 and is considered to be an anomaly.

Reported detections of inorganic parameters and metals measured at downgradient monitoring wells during the first 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-2A	MW-3	MW-4	MW-5A	MW-6	MW-7
Arsenic, Total	0.00005	**	**	0.011	0.0075	0.0066	0.0052
Iron, Dissolved	0.30	0.86	*	*	*	*	*
Manganese, Dissolved	0.05	0.32	0.40	0.18	0.17	0.25	0.23

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.

Low-level detections of ammonia (ranging between 0.13 and 0.19 mg/L) were reported at downgradient wells MW-2A, MW-3, MW-4, 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 first quarter, the cation-anion balance evaluation did not exceed the appropriate threshold in any monitoring well (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 continue to demonstrate the water quality differences between groundwater from the monitoring wells, shallow groundwater from the LDCS, and leachate (collected annually in December).

No VOCs were reported in samples collected from the monitoring wells during the first 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 dewaters 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. Solids accumulation was noted in the LDCS-4B pump in January of this quarter. LDCS-4B was cleaned and flow was restored to the pump.

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. Due to solids accumulation in the LDCS-4B pump, elevated readings of volume of water pumped in January are not considered to be accurate. Following the removal of the solids and restoration of flow in the pump at the end of January, readings returned to historical range. Rainfall data were recorded manually using an on-site rain gauge. 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 first quarter of 2025, except for LDCS-4B. Following the cleaning of accumulated solids in the pump, conductivity began to increase, reaching a peak of approximately 7,200 S/cm in mid-March and subsequently trending back towards the historical range. Conductivity probes for LDCS sumps 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-3A, LDCS-4A, 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 spigot.

LDCS-1 water quality results included a low-level detection of 1,4-dichlorobenzene at 0.87 µg/L and acetone at 27 µg/L. Concentrations of secondary leachate indicator parameters ammonia and

chloride were low (reported at 0.72 and 4.8 mg/L, respectively). Therefore, the 1,4-dichlorobenzene and acetone detection does not appear to be the result of leachate.

LDCS-2A water quality results included a low-level detection of 1,4-dichlorobenzene at 0.53 µg/L. No primary leachate indicator parameters were detected at this monitoring location during the first quarter of 2025. However, concentrations of secondary leachate indicator parameter, chloride (7.7 mg/L), remained low. Therefore, this 1,4-dichlorobenzene detection does not appear to be the result of leachate.

LDCS-2B water quality results include a low-level detection of carbon disulfide at 1.1 µg/L. No primary leachate indicator parameters, were detected this quarter. Secondary leachate indicator parameters, ammonia and chloride, were detected at low-level concentrations of 3.1 mg/L and 24 mg/L, respectively. Therefore, the isolated carbon disulfide detection does not appear to be a result of leachate.

LDCS-7 and LDCS-8 water quality results both included low-level detections of benzene at 2.5 µg/L and 0.56 µg/L, respectively. However, primary leachate indicator parameters, acetone and 2-butanone, were not detected in either sample. Additionally, secondary leachate indicator parameter ammonia was not detected at either location. a Secondary leachate indicator parameter chloride remained low with concentrations reported at 0.4.5 mg/L and 20 mg/l for LDCS- 7 and LDCS-8, respectively. As a result, these sporadic benzene detections do not appear to be the result of leachate.

LDCS-9 water quality results included a low-level detection of cis-1,2-dichloroethene at 0.54 µg/L. However, primary leachate indicator parameters, acetone and 2-butanone, were not detected at LDCS-9. Additionally, secondary leachate indicator parameter chloride remained low at 4.8 mg/L. Therefore, the isolated cis-1,2-dichloroethene detection does not appear to be a result of leachate.

Water quality results for LDCS-3, LDCS-4A, LDCS-4B, LDCS-5, and LDCS-6 did not show any primary leachate indicator detections. Secondary leachate indicator results were consistent with previous values except for LDCS-6 which had an elevated detection of chloride at 68 mg/L during the first quarter monitoring event.

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 annually in December).

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 first 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 first quarter 2025 DMR's are included in Attachment I. There were no stormwater discharges in the first quarter of 2025.

LEACHATE MONITORING

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
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 January 17th, February 14th, and March 11th 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. Q1 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
January 17	**9.1**	2.9	0.0	0.0	0.0	**19.1**	0.4	1.4	**6.0**	0.1	0.0	2.7	0.1
February 14	**12.6**	0.6	0.0	0.0	0.0	**15.8**	0.4	1.4	**8.3**	0.1	0.0	2.7	0.1
March 11	**21.3**	0.1	0.0	0.0	0.0	**31.9**	**16.7**	0.0	**10.7**	0.0	0.0	0.0	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. Methane measurements were less than the lower explosive limit (LEL) of five percent by volume at each of these probes.

Exhibit 4. Q1 2025 Landfill Gas Probe Monitoring Summary (Percent Methane)
Native Soils Probes

Monitoring Date	GP-17	GP-18	GP-19	GP-20	GP-21
January 17	0.0	0.0	0.0	0.1	0.0
February 14	0.0	0.0	0.0	0.1	0.0
March 11	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 February 14, 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 and repair shop at 1.2 ppm to 0.1 ppm, respectively. Methane detections were also detected at the scale house, work shop and energy plant at concentrations ranging up to 3.2 ppm. These results are below the regulatory threshold for methane in site structures.

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

LANDFILL GAS EXTRACTION WELL CONSTRUCTION

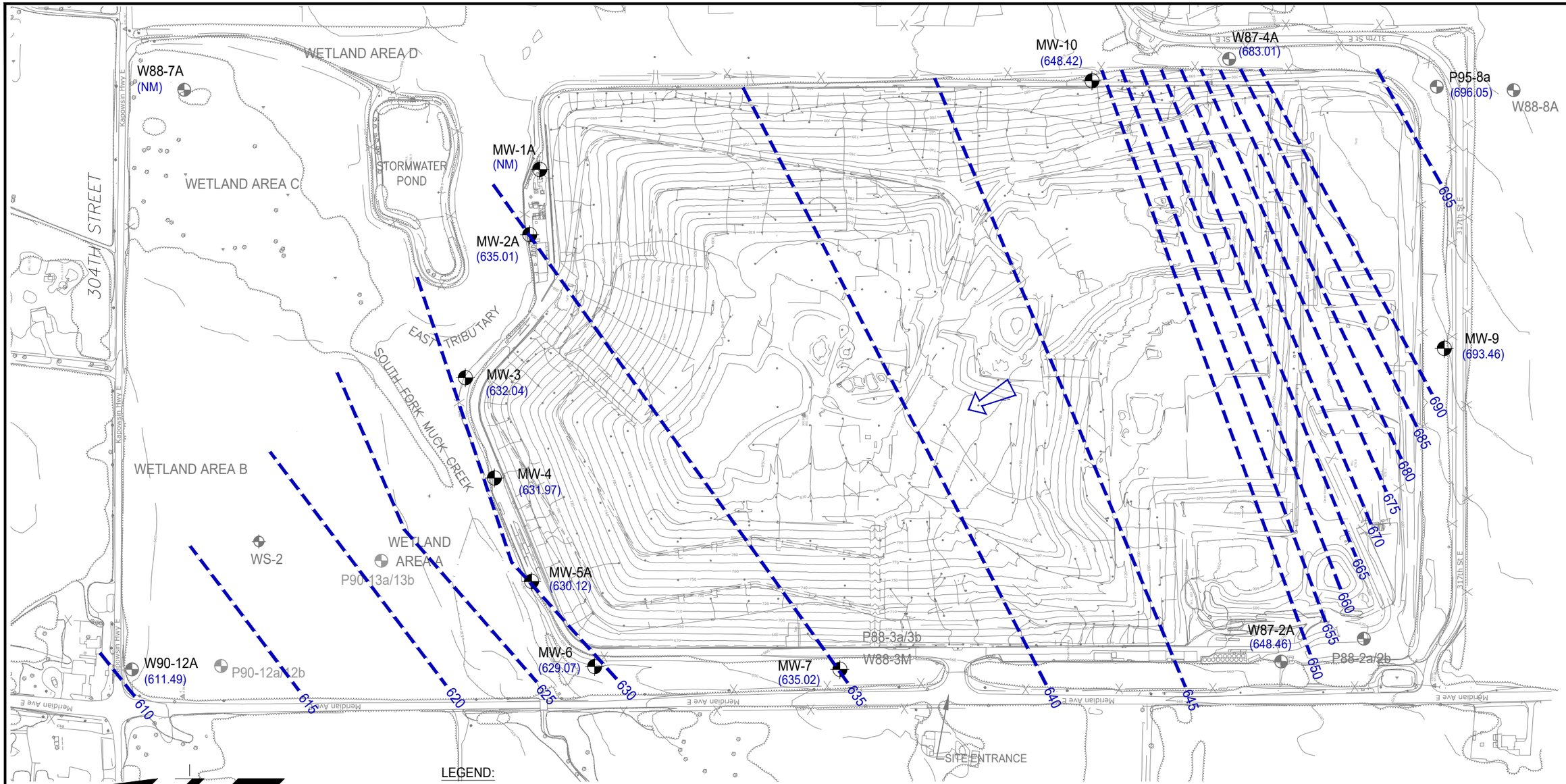
Twelve (12) landfill gas extraction wells were constructed during Q1 2025, designed by Weaver Consultants Group, LLC and drilled by Continuum Environmental Services. Construction occurred between January 18, 2025 and March 15, 2025. Wells were connected to the GCCS as soon as practical after construction within the quarter. Construction activities and the associated boring logs are provided in a Construction Report included in Attachment J.

GROUNDWATER MONITORING WELL CONSTRUCTION AND MAINTENANCE

Sampling pump replacement in MW-1A was previously noted. No well construction or other significant well maintenance activities were performed this quarter.

Attachment A

Groundwater Flow Map



LEGEND:

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

NOTES:

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

0 400 800

SCALE (ft)

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PROJECT NO. 04225001.02	DES BY J.E.	POTENTIOMETRIC SURFACE CONTOUR MAP MARCH 26, 2025	DATE JUNE 2025
SCALE AS SHOWN	CHK BY D.V.	LRI LANDFILL 30919 MERIDIAN STREET E. GRAHAM, WASHINGTON	FIGURE 1
CAD FILE FIGURE 1	APP BY G.H.		

LEGEND

⊕	MW-1	MONITORING WELL
◔	WS-1	WATER SUPPLY WELL
◔	W87-2A	CHARACTERIZATION WELL/ PIEZOMETER
◉	LDCS-1	LEAK DETECTION/COLLECTION SUMP
△	NEWB-2	SURFACE WATER MONITORING LOCATION
⊕	GP-1	GAS PROBE

0 400 800

SCALE (ft)

NOTES:

1. TOPOGRAPHIC BASE MAP PREPARED BY LRI, USING PHOTOGRAMMETRIC SURVEY METHODS, DATE OF PHOTOGRAPH SEPTEMBER 2, 2022.
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.

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PROJECT NO. 04224001.02	DES BY TAB	SITE MAP	DATE June 2024
SCALE AS SHOWN	CHK BY GH	LRI LANDFILL 30919 MERIDIAN STREET EAST GRAHAM, WASHINGTON	FIGURE 2
CAD FILE FIGURE 2	APP BY GH		

Attachment B

Groundwater Data Summary Tables

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

Location	Well Casing Elevation (ft)	Depth to Water (ft)	Water Level Elevation (ft, NGVD29)
Wells			
W87-2A	664.01	15.55	648.46
W87-4A	693.29	10.28	683.01
W90-12A	640.84	29.35	611.49
MW-1A	652.57	NM	--
MW-2A	651.93	16.92	635.01
MW-3	637.41	5.37	632.04
MW-4	652.37	20.40	631.97
MW-5A	655.55	25.43	630.12
MW-6	635.71	6.64	629.07
MW-7	656.03	21.01	635.02
MW-9	701.77	8.31	693.46
MW-10	678.37	29.95	648.42
Piezometers			
P95-8A	722.07	26.02	696.05
GP-1P	652.00	13.91	638.09
GP-2P	658.61	15.38	643.23
GP-3P	658.51	8.93	649.58
GP-4P	662.01	9.13	652.88
GP-9P	674.03	10.50	663.53
GP-14P		10.72	--
GP-15P		14.77	--
GP-16P	689.51	18.98	670.53
GP-17P		4.85	--
P21-2		21.18	--
P22-1		27.22	--
P22-2		5.42	--
South Creek			
SWSC-1	632.68	3.40	629.28
SWSC-2	629.98	4.92	625.06
Leak Detection System			
LDCS-1	657.26	28.33	628.93
LDCS-2A	659.24	29.65	629.59
LDCS-2B	661.70	28.20	633.50

Notes:

NM = not measured

-- = not applicable

All measurements taken on March 11-27, 2025

Table 2. Field Parameters
First 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	—	—	—	—	—	—
MW-2A	304-032625-02	3/26/2025	DP	7.10	332.9	14.4
MW-3	304-032625-03	3/26/2025	DP	7.03	442	10.8
MW-4	304-032625-04	3/26/2025	SP	7.39	387.2	17.4
MW-5A	304-032625-05	3/26/2025	DP	6.98	279.8	18.5
MW-6	304-032625-06	3/26/2025	DP	7.45	399	10.7
MW-7	304-032625-07	3/26/2025	DP	7.26	365	11.0
MW-9	304-032625-09	3/26/2025	DP	**6.45**	133	10.0
MW-10	304-032625-11	3/26/2025	DP	**6.30**	275	13.5
Leak Detection System						
LDCS-1	304-032725-13	3/27/2025	DB	6.12	403	24.7
LDCS-2A	304-032725-14	3/27/2025	DB	6.48	810	23.0
LDCS-2B	304-032725-15	3/27/2025	DB	6.41	798	19.4
LDCS-3A	304-032725-16	3/27/2025	DP	6.16	833	20.7
LDCS-4A	304-032725-17	3/27/2025	DP	6.50	665	21.9
LDCS-4B	304-032725-18	3/27/2025	DP	6.24	760	27.0
LDCS-5	304-032725-19	3/27/2025	DP	6.03	545	14.2
LDCS-6	304-032725-20	3/27/2025	DP	6.33	1,284	23.2
LDCS-7	304-032725-21	3/27/2025	DP	5.97	648	26.4
LDCS-8	304-032725-22	3/27/2025	PP	6.33	928	23.6
LDCS-9	304-032725-23	3/27/2025	PP	5.97	669	20.1

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
DB = disposable bailer
DP = dedicated pump
GB = grab sample
SP = submersible pump
SU = standard units
µS/cm = microsiemens per centimeter

Table 3. Inorganic Parameters
First 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	—	—
Prediction Limit	—	—	—	6.4	—	—	—	—
Monitoring Wells								
MW-1A	—	—	—	—	—	—	—	—
MW-2A	130	0.16	3.9	*	30	220	1.3	*
MW-3	190	0.15	4	*	31	270	1.8	*
MW-4	180	0.13	6.9	*	15	240	1.3	21
MW-5A	190	0.14	3.8	*	21	250	1.4	13
MW-6	200	0.13	5.8	*	7.9	240	1.4	*
MW-7	190	0.19	3.1	*	3.5	220	1.3	*
(BG) MW-9	81	*	1.6	*	1.8	130	*	*
(BG) MW-10	120	*	6.2	2.3	6.2	200	1.2	8
Leak Detection System								
LDCS-1	190	0.72	4.8	*	4.7	—	140	—
LDCS-2A	400	*	7.7	*	20	—	4.5	—
LDCS-2B	420	3.1	24	*	24	—	92	—
LDCS-3A	390	0.11	4.3	*	42	—	3.1	—
LDCS-4A	230	*	25	*	54	—	7.3	—
LDCS-4B	280	0.11	46	*	49	—	7.5	—
LDCS-5	190	*	25	*	45	—	23	—
LDCS-6	500	0.29	68	*	130	—	4.6	—
LDCS-7	320	*	4.5	*	35	—	5.6	—
LDCS-8	480	*	20	*	40	—	6.9	—
LDCS-9	360	*	4.8	*	19	—	2.7	—

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

— = Not applicable or not performed

BG = Background

B = compound was detected in the method blank and the sample

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

Parameter	Antimony-D	Antimony-T	Arsenic-D	Arsenic-T	Barium-D	Barium-T	Beryllium-D	Beryllium-T	Cadmium-D	Cadmium-T	Chromium-D	Chromium-T	Cobalt-D	Cobalt-T	Copper-D	Copper-T	Lead-D	Lead-T	Nickel-D	Nickel-T	Selenium-D	Selenium-T	Silver-D	Silver-T	Thallium-D	Thallium-T	Vanadium-D	Vanadium-T	Zinc-D	Zinc-T
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MRL	0.05	0.05	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.005	0.005	0.001	0.001	0.01	0.01	0.002	0.002	0.02	0.02	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.01	0.01
WAC 173-200 Criteria	—	—	—	0.00005	—	1.0	—	—	—	0.01	—	0.05	—	—	—	1.0	—	0.05	—	—	—	0.01	—	0.05	—	—	—	—	—	5.0
Prediction Limit	—	0.05	—	0.011	—	0.091	—	0.005	—	0.005	—	0.011	—	0.01	—	0.063	—	0.042	—	0.020	—	0.005	—	0.01	—	0.005	—	0.016	—	0.290
Monitoring Wells																														
MW-1A	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2A	—	*	—	*	—	0.014	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-3	—	*	—	*	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-4	—	*	—	**0.011**	—	0.02	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.024
MW-5A	—	*	—	**0.0075**	—	0.022	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-6	—	*	—	**0.0066**	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-7	—	*	—	**0.0052**	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
(BG) MW-9	—	*	—	*	—	0.0053	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.014	—	*
(BG) MW-10	—	*	—	*	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.013
Leak Detection System																														
LDCS-1	*	—	0.012	—	0.013	—	—	—	—	—	*	—	0.0014	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-2A	*	—	0.0067	—	0.073	—	—	—	—	—	*	—	0.0024	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-2B	*	—	0.026	—	0.054	—	—	—	—	—	*	—	0.0037	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-3A	*	—	0.011	—	0.019	—	—	—	—	—	*	—	0.0042	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4A	*	—	*	—	0.015	—	—	—	—	—	*	—	*	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4B	*	—	*	—	0.02	—	—	—	—	—	*	—	0.0012	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-5	*	—	*	—	0.034	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-6	*	—	*	—	0.063	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-7	*	—	0.012	—	0.026	—	*	—	*	—	*	—	0.0016	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-8	*	—	0.0063	—	0.04	—	*	—	*	—	*	—	0.0018	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-9	*	—	*	—	0.036	—	*	—	*	—	*	—	0.0015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—

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

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

— = not applicable or not performed

BG = Background

Table 5. WAC 173-351 Appendix II Metals (Dissolved)
First 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	—	—	—	—	—	—
MW-2A	30	**0.86**	14	**0.32**	4	18
MW-3	46	*	20	**0.40**	4.4	15
MW-4	37	*	20	**0.18**	6	15
MW-5A	31	*	13	**0.17**	4.3	44
MW-6	43	*	20	**0.25**	5.3	12
MW-7	32	0.22	22	**0.23**	5.8	13
(BG) MW-9	10	*	6.8	*	*	7.6
(BG) MW-10	27	*	12	0.0098	2.1	13
Leak Detection System						
LDCS-1	31	3.9	15	1.1	4.7	18
LDCS-2A	96	0.41	39	18	9.7	31
LDCS-2B	91	42	39	1.3	6.9	20
LDCS-3A	98	0.62	42	4.1	6.4	23
LDCS-4A	76	1.1	26	0.67	3.2	25
LDCS-4B	93	0.14	29	0.91	4.8	37
LDCS-5	50	0.27	21	0.63	7	46
LDCS-6	140	0.23	56	1.9	8	83
LDCS-7	83	2.7	31	2.8	4	21
LDCS-8	90	*	73	1.7	5.3	29
LDCS-9	84	*	33	1.1	5.3	34

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

— = not applicable or not performed

BG = Background

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

Parameter	1,4-Dichlorobenzene	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Carbon disulfide	cis-1,2-Dichloroethene	Ethylbenzene	m-Xylene & p-Xylene	o-Xylene	Toluene
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MRL	0.50	6.0	5.0	10.0	0.50	0.63	0.50	1.0	0.50	0.50	0.50
WAC 173-200 Criteria	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	0.87	*	*	27	*	*	*	*	*	*	*
LDCS-2A	0.53	*	*	*	*	*	*	*	*	*	*
LDCS-2B	*	*	*	*	*	1.1	*	*	*	*	*
LDCS-3A	*	*	*	*	*	*	*	*	*	*	*
LDCS-4A	*	*	*	*	*	*	*	*	*	*	*
LDCS-4B	*	*	*	*	*	*	*	*	*	*	*
LDCS-5	*	*	*	*	*	*	*	*	*	*	*
LDCS-6	*	*	*	*	*	*	*	*	*	*	*
LDCS-7	*	*	*	*	2.5	*	*	*	*	*	*
LDCS-8	*	*	*	*	0.56	*	*	*	*	*	*
LDCS-9	*	*	*	*	*	*	0.54	*	*	*	*
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**

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

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

— = not applicable or not performed

BG = Background

Table 7. Cation-Anion Balance
First 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	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2A	30	14	4	18	66.0	1.50	1.15	0.09	0.78	3.52	24.8	42.5	32.7
MW-3	46	20	4.4	15	85.4	2.30	1.65	0.10	0.65	4.69	16.0	48.9	35.1
MW-4	37	20	6	15	78	1.85	1.65	0.14	0.65	4.28	18.4	43.1	38.5
MW-5A	31	13	4.3	44	92.3	1.55	1.07	0.10	1.91	4.63	43.5	33.4	23.1
MW-6	43	20	5.3	12	80.3	2.15	1.65	0.12	0.52	4.43	14.5	48.4	37.1
MW-7	32	22	5.8	13	72.8	1.60	1.81	0.13	0.57	4.10	17.0	38.9	44.1
MW-9	10	6.8	2	7.6	26.4	0.50	0.56	0.05	0.33	1.43	26.2	34.8	39.0
MW-10	27	12	2.1	13	54.1	1.35	0.99	0.05	0.57	2.95	20.8	45.7	33.5
LDCS-1	31	15	4.7	18	68.7	1.55	1.23	0.11	0.78	3.67	24.2	42.1	33.6
LDCS-2A	96	39	9.7	31	175.7	4.79	3.21	0.22	1.35	9.57	16.4	50.1	33.5
LDCS-2B	91	39	6.9	20	156.9	4.54	3.21	0.16	0.87	8.78	11.7	51.7	36.6
LDCS-3A	98	42	6.4	23	169.4	4.89	3.46	0.14	1.00	9.49	12.1	51.5	36.4
LDCS-4A	76	26	3.2	25	130.2	3.79	2.14	0.07	1.09	7.09	16.4	53.5	30.2
LDCS-4B	93	29	4.8	37	163.8	4.64	2.39	0.11	1.61	8.75	19.6	53.1	27.3
LDCS-5	50	21	7	46	124	2.50	1.73	0.16	2.00	6.38	33.8	39.1	27.1
LDCS-6	140	56	8	83	287.0	6.99	4.61	0.18	3.61	15.39	24.6	45.4	30.0
LDCS-7	83	31	4	21	139.0	4.14	2.55	0.09	0.91	7.70	13.0	53.8	33.1
LDCS-8	90	73	5.3	29	197.3	4.49	6.01	0.12	1.26	11.88	11.6	37.8	50.6
LDCS-9	84	33	5.3	34	156.3	4.19	2.72	0.12	1.48	8.51	18.8	49.3	31.9

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MW-2A	156	3.9	0.5	30	190.4	2.56	0.11	0.008	0.62	3.30	3.3	77.5	18.9	6.82	3.3	5	O
MW-3	228	4	0.5	31	263.5	3.74	0.11	0.008	0.64	4.50	2.5	83.0	14.3	9.20	2.0	5	O
MW-4	216	6.9	0.5	15	238.4	3.54	0.19	0.008	0.31	4.06	4.8	87.3	7.7	8.34	2.7	5	O
MW-5A	228	3.8	0.5	21	253.3	3.74	0.11	0.008	0.44	4.29	2.5	87.1	10.2	8.92	3.8	5	O
MW-6	240	5.8	0.5	7.9	254.2	3.94	0.16	0.008	0.16	4.27	3.8	92.1	3.8	8.71	1.9	5	O
MW-7	228	3.1	0.5	3.5	235.1	3.74	0.09	0.008	0.07	3.91	2.2	95.7	1.9	8.01	2.5	5	O
MW-9	97.2	1.6	0.5	1.8	101.1	1.59	0.05	0.008	0.04	1.68	2.7	94.6	2.2	3.12	8.0	10	O
MW-10	144	6.2	2.3	6.2	158.7	2.36	0.17	0.037	0.13	2.70	6.5	87.4	4.8	5.65	4.3	5	O
LDCS-1	228	4.8	0.0	4.7	237.5	3.74	0.14	0.000	0.10	3.97	3.4	94.1	2.5	7.64	3.9	5	O
LDCS-2A	480	7.7	0.5	20	508.2	7.87	0.22	0.008	0.42	8.51	2.6	92.5	4.9	18.08	5.8	5	Exceeds
LDCS-2B	504	24	0.5	24	552.5	8.27	0.68	0.008	0.50	9.45	7.2	87.5	5.3	18.23	3.7	5	O
LDCS-3A	468	4.3	0.5	42	514.8	7.68	0.12	0.008	0.87	8.68	1.4	88.4	10.1	18.17	4.5	5	O
LDCS-4A	276	25	0.5	54	356	4.53	0.71	0.008	1.12	6.36	11.1	71.1	17.7	13.45	5.4	5	Exceeds
LDCS-4B	336	46	0.5	49	432	5.51	1.30	0.008	1.02	7.83	16.6	70.3	13.0	16.58	5.5	5	Exceeds
LDCS-5	228	25	0.5	45	299	3.74	0.71	0.008	0.94	5.39	13.1	69.4	17.4	11.77	8.4	5	Exceeds
LDCS-6	600	68	0.5	130	799	9.84	1.92	0.008	2.70	14.47	13.3	68.0	18.7	29.86	3.1	5	O
LDCS-7	384	4.5	0.5	35	424	6.30	0.13	0.008	0.73	7.16	1.8	87.9	10.2	14.86	3.6	5	O
LDCS-8	576	20	0.5	40	637	9.45	0.56	0.008	0.83	10.85	5.2	87.1	7.7	22.73	4.5	5	O
LDCS-9	432	4.8	0.5	19	456	7.08	0.14	0.008	0.40	7.62	1.8	92.9	5.2	16.13	5.5	5	Exceeds

Notes:

mg/L = milligrams per liter

meq/L = milliequivalents per liter

Total alkalinity concentration, reported as calcium carbonate ($CaCO_3$), is converted to the bicarbonate (HCO_3) 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].

The MRL was used for analytes that were non-detect

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
First Quarter 2025
LRI Landfill, Pierce County, Washington

Parameter	MRL	MW-7	MW-7 (Duplicate)	RPD (%)
Volatile Organic Compunds (µg/L)				
No Detections	-	-	-	-
Inorganic Parameters (mg/L)				
Alkalinity, Total	10	190	180	5.4
Ammonia	0.1	0.19	0.21	10
Chloride	0.2	3.1	3.1	0
Sulfate	0.2	3.5	3.6	2.8
Total Dissolved Solids	10	220	220	0
Total Organic Carbon	1	1.3	1.1	16.7
Dissolved Metals (mg/L)				
Calcium	0.2	32	32	0
Iron	0.1	0.22	0.21	4.7
Magnesium	0.1	22	22	0
Manganese	0.005	0.23	0.22	4.4
Potassium	2.0	5.8	5.8	0
Sodium	1.0	13	13	0
Total Metals (mg/L)				
Arsenic	0.005	0.0052	0.0057	9.2
Barium	0.005	0.015	0.016	6.5

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

mg/L = milligrams per liter

U= parameter was not detected in sample

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

The MRL was used to calculate the RPD for analytes where one sample was non-detect

Attachment C

Field Sampling Documentation

March 31, 2025
File No. 04225001.02

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

NOTES/SAMPLE DECODING:

Event Dates: March 26-27, 2024
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-3A, LDCS-4A, 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-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
304-032625-02	MW-2A
304-032625-03	MW-3
304-032625-04	MW-4
304-032625-05	MW-5A
304-032625-06	MW-6
304-032625-07	MW-7
304-032625-08	MW-7 DUPLICATE
304-032625-09	MW-9
304-032625-11	MW-10
304-032625-12	FIELD BLANK
304-032725-13	LDCS-1
304-032725-14	LDCS-2A
304-032725-15	LDCS-2B
304-032725-16	LDCS-3
304-032725-17	LDCS-4A

304-032725-18	LDCS-4B
304-032725-19	LDCS-5
304-032725-20	LDCS-6
304-032725-21	LDCS-7
304-032725-22	LDCS-8
304-032725-23	LDCS-9

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 01225001.02
Site: LRI 304th
Well ID: MW-2A
Sample ID: 304-032625-02
Date: 3/26/25
Weather: partly cloudy

16.92 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 (YSI)

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):
Other:
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1147		13.9	351.9	6.30	7.19	229.7	2.5	
1152		14.6	340.8	0.76	6.83	11.5	2.1	
1155		14.5	336.0	0.68	7.02	-26.7	2.0	
1158		14.5	334.0	0.65	7.07	-44.4	2.0	
1201		14.5	333.7	0.64	7.09	-54.3	2.0	
1204		14.4	333.5	0.63	7.10	-61.6	2.0	
1207		14.4	332.9	0.62	7.10	-65.7	2.0	

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

SAMPLER: Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site LRF 304th
Well ID: MW-3
Sample ID: 304-032625-03
Date: 3/26/25
Weather: Sunny 65°F

5.37 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 9
Discharge 6
Pressure 35
Flow

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1410		10.8	354	7.45	7.51	45.9	2.2	
1415		10.8	441	0.51	6.95	38.4	2.6	
1418		10.8	439	0.38	6.99	17.3	2.4	
1421		10.8	440	0.32	7.01	6.4	2.4	
1424		10.8	441	0.28	7.02	0.6	2.3	
1427		10.9	441	0.26	7.02	-2.7	2.3	
1430		10.8	442	0.23	7.03	-5.4	2.4	

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

SAMPLER: Alex DeSoto
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LF 304th
Well ID: MW-4
Sample ID: 304-032625-04
Date: 3/26/25
Weather: partly cloudy

20.40 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 9
Discharge 6
Pressure 40
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1424		21.4	402.8	2.80	7.21	105.4	42.7	
1429		17.5	390.6	0.80	7.37	100.6	27.0	
1432		17.4	389.5	0.72	7.39	95.2	25.2	
1435		17.5	389.3	0.69	7.39	91.8	24.4	
1438		17.6	388.6	0.67	7.39	84.8	28.5	
1441		17.4	387.6	0.66	7.39	79.4	29.8	
1444		17.4	387.2	0.65	7.39	72.5	29.3	

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

SAMPLER: Jovany Estrada
Printed Name

Jovany estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 042500 1.02
Site: LR1 304th
Well ID: MW-5
Sample ID: 304-032625-05
Date: 3/26/25
Weather: overcast

25.43 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 9
Discharge 6
Pressure 40
Flow
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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			

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

TIME	DTW	Temp.	Sp Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1237		14.3	275.3	7.15	7.13	148.1	4.8	
1252		16.0	278.8	7.03	7.04	154.5	3.0	
1255		16.5	279.1	6.86 ~~7.05~~	7.04	159.8	3.5	
1258		16.6	279.3	6.82	7.05	159.9	3.8	
1301		17.4	280.0	6.12	7.02	152.9	4.3	
1304		17.9	280.2	5.83	6.99	133.2	3.8	
1307		18.5	279.8	5.63	6.98	129.6	3.7	

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

SAMPLER: Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LDI 304th
Well ID: MW-6
Sample ID: 304-032625-06
Date: 3/26/25
Weather: Sunny 63°F

6.64 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 9
Discharge 6
Pressure 25
Flow ~350 mL/min
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1323		11.0	359	8.80	7.85	53.8	3.9	
1328		10.6	399	1.67	6.60	27.0	3.4	
1331		10.6	398	0.60	7.08	25.6	3.3	
1334		10.6	398	0.35	7.34	20.3	3.1	
1337		10.7	397	0.27	7.41	17.3	3.2	
1340		10.7	399	0.23	7.44	14.8	3.2	
1343		10.7	399	0.21	7.45	13.0	3.3	

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

SAMPLER: Alex Degz
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LRI 304th
Well ID: MW-7
Sample ID: 304-032625-07
Date: 3/26/25
Weather: partly sunny 60°F

21.01 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 9
Discharge 6
Pressure 35
Flow ~350 mL/min
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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			

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

Dup taken @ 1302
304-032625-08

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol
1227		11.1	341	7.79	6.61	84.2	2.7	
1232		11.0	372	0.40	7.31	2.5	3.0	
1235		11.0	370	0.29	7.39	-39.0	2.9	
1238		11.0	365	0.34	7.27	-55.8	2.9	
1241		11.0	364	0.40	7.23	-56.4	3.1	
1244		11.0	365	0.39	7.24	-58.4	3.3	
1247		11.0	365	0.37	7.26	-61.3	3.7	

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

SAMPLER: Alex Desse
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.07
Site: LRI 304th
Well ID: MW-9
Sample ID: 304-032625-09
Date: 3/26/25
Weather: Cloudy 50° F

8.31 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons
Refill 9
Discharge 6
Pressure 45 40
Flow ~300 ml/min
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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.
~~0943~~		~~10.0~~	~~140~~	~~7.97~~	~~5.85~~	~~170.4~~	~~2.9~~	
0948		10.0	217	5.47	5.19	185.8	3.3	
0953		9.9	135	4.29	6.12	156.7	3.6	
0956		9.9	134	4.23	6.26	152.9	3.6	
0959		10.0	134	4.19	6.36	150.4	3.7	
1002		9.9	134	4.19	6.39	149.6	3.8	
1005		10.0	134	4.18	6.43	148.8	3.9	
1008		10.0	133	4.16	6.45	148.3	4.0	

Notes / Observations (color, odor, anomalies, etc):
- Recal PH

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

SAMPLER: Alex Deszo
Printed Name

AR
Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LRI 304th
Well ID: MW-10
Sample ID: 304-032625-11
Date: 3/26/25
Weather: overcast

26.95 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 9
Discharge 6
Pressure 40
Flow 350 ml/min

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0957		13.7	261.8	4.40	6.19	118.7	5.1	
1002		13.5	276.8	0.84	6.29	118.8	6.3	
1005		13.5	271.0	0.75	6.29	130.3	6.0	
1008		13.5	269.9	0.74	6.29	137.4	5.5	
1011		13.5	271.1	0.74	6.29	142.6	5.2	
1014		13.5	273.1	0.74	6.30	147.5	5.2	
1017		13.5	275.0	0.75	6.30	151.1	5.0	

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

SAMPLER: Jovany Estrada
Printed Name

jovany estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LRI 304th
Well ID: Field Blank
Sample ID: 304-032625-12
Date: 3/26/25
Weather: overcast

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

Meter: MP-20 YSI

CONTROL SETTINGS:

DTW
TOS
Intake
BOS
Total Depth

Refill
Discharge
Pressure
Flow

1 ft water = 0.62L 1L = 0.26 gallons

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1320		22.0	4.9	4.92	7.59	113.7	0	

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

SAMPLER: Jovany Estrada
Printed Name

Jovany estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 042250 01 · 08
Site: LPI 304th
Well ID: LDCS-1
Sample ID: 304-032725-13
Date: 3/27/25
Weather: overcast

28.23 DTW
TOS
Intake
BOS
Total Depth

Sampling Method: Dedicated | 1.75" QED SamplePro | Bail | Peristaltic | Grab | Other
Meter: MP-20 YSI
CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other:
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			

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

Ask lab to filter

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1025		24.7	403.0	4.80	6.12	-15.1	22.7	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 24225001.02
Site: LRI 304th
Well ID: LDCS-2A
Sample ID: 304-032725-14
Date: 3/27/25
Weather: Overcast

29.65 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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

Ask lab to filter

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1205		23.0	810	4.16	6.48	128.5	85.8	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LRI 304th
Well ID: LDCS-2B
Sample ID: 304-032726-15
Date: 3/27/25
Weather: overcast

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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

~~Ask~~ lab to filter

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1234		19.4	798	3.59	6.41	3.9	63.1	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LRI 304th
Well ID: LDCS-3A
Sample ID: 304-032725-16
Date: 3/27/25
Weather: overcast

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill: 12
Discharge: 3
Pressure: 40
Flow: 350 ml/min

1 ft water = 0.62L
1L = 0.26 gallons

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1315		16.2	779	7.31	6.83	114.1	5.6	
1320		18.1	793	2.31	6.18	147.1	4.4	
1323		18.8	842	0.88	6.17	-5.7	359.1	
1325		19.2	891	0.71	6.21	-17.4	227.0	
1329		20.0	835	0.73	6.17	14.2	102.4	
1322		20.4	833	0.71	6.17	21.2	121.3	
1325		20.7	833	0.69	6.16	26.5	157.6	

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

SAMPLER: Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LF1 304th
Well ID: LDCS-4A
Sample ID: 304-032725-17
Date: 3/27/25
Weather: overcast

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill: 12
Discharge: 3
Pressure: 60
Flow: 150 mL/min

1 ft water = 0.62L
1L = 0.26 gallons

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0937		15.0	914	5.48	6.68	262.0	13.3	
0942		21.5	692	0.98	6.49	-40.2	8.2	
0945		21.7	684	1.06	6.50	-24.0	6.2	
0948		21.7	680	1.09	6.50	-20.4	5.8	
0951		21.8	673	1.12	6.50	-11.4	5.7	
0954		21.9	667	1.16	6.50	-3.4	5.7	
0957		21.9	665	1.16	6.50	0.8	5.1	

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

SAMPLER: Jovany Estrada
Printed Name

Jovany Estrada
Signature

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Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: 304th
Well ID: LDCS - 4B
Sample ID: 304-032725 - 18
Date: 3/27/25
Weather: Partly Cloudy 56°F

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

Meter: MP-20 / YSI

DTW
TOS
Intake
BOS
Total Depth

CONTROL SETTINGS:
Refill: 12
Discharge: 3
Pressure: 60
Flow:

1 ft water = 0.62L
1L = 0.26 gallons

One Well Volume (liters):
Total Volume Bailed (liters):
Other:
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.
1210		27.0	760	2.86	6.24	44.4	1.4	

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

* Not FF *

No H2O from Vault. ~12 min Sampled from Storm Channel Discharge.

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

SAMPLER: Alex Deszo
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04225C01.02
Site: 304th
Well ID: LDCS-5
Sample ID: 304-032725-19
Date: 3/27/25
Weather: Cloudy, slight rain

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

Meter: MP-20 YSI

DTW
TOS
Intake
BOS
Total Depth

CONTROL SETTINGS:
Refill 12
Discharge 3
Pressure 40
Flow

1 ft water = 0.62L
1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol
1056		16.0	709	7.47	7.01	8.2	5.0	
1101		22.0	715	3.36	6.44	62.7	2.7	
1104		22.3	718	1.77	6.33	80.1	3.3	
1107		22.9	719	0.63	6.25	87.5	3.6	
1198		23.1	701	0.40	6.24	88.7	3.4	
1113		23.6	567	0.34	6.09	90.8	4.6	
1116		24.2	545	0.28	6.03	92.4	4.5	

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

SAMPLER: Alex Deszo
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 03225C03.02
Site: LRI 304th
Well ID: LDC4-6
Sample ID: 304-032725 ~~-DUP~~ 20
Date: 3/27/25
Weather: Cloudy 58°F

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

DTW
Meter:
TOS
MP-20
Intake
YSI
BOS
Total Depth

CONTROL SETTINGS: 1 ft water = 0.62L 1L = 0.26 gallons

Refill	12	One Well Volume (liters)	Other :
Discharge	3		Flow Setting :
Pressure	40	Total Volume Bailed (liters)	
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1003		12.5	875	8.50	7.30	109.9	2.8	
1008		15.4	872	6.46	7.39	108.1	3.1	
1011		18.8	902	2.69	6.59	8.9	7.5	
1014		21.2	1223	0.76	6.34	21.8	5.5	
1017		22.3	1278	0.40	6.33	48.2	4.6	
1020		22.8	1282	0.31	6.33	58.7	4.3	
1023		23.2	1284	0.26	6.33	64.6	4.6	

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

SAMPLER: Alex Degl
Printed Name

AP
Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: 304th
Well ID: LDCS-7
Sample ID: 304-032725-21
Date: 3/27/25
Weather: Cloudy

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 11.5
Discharge 3.5
Pressure 40
Flow

1 ft water = 0.62L 1L = 0.26 gallons
One Well Volume (liters)
Total Volume Bailed (liters)
Other :
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			

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1229		21.7	721	2.11	6.55	56.2	3.2	
1234		22.5	725	0.23	6.54	65.0	4.3	
1237		23.9	699	0.17	6.06	8.6	3.2	
1240		25.6	644	0.15	5.99	18.7	2.8	
1243		26.2	646	0.13 ~~0.12~~	5.98	17.8	2.8	
1246		26.4	647	0.12	5.98	15.7	2.7	
1249		26.4	648	0.11	5.97	13.8	2.6	

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

SAMPLER: Alex Dees
Printed Name

Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04225001.02
Site: LDI 30th
Well ID: LDCS-8
Sample ID: 30-032725-22
Date: 3/27/25
Weather: Cloudy 50°F

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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

* Not FF*

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1045		23.6	928	3.75	6.33	-25.2	0.7	

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

SAMPLER: Alex Deszo
Printed Name

Signature

SCS ENGINEERS
2405 140th ave NE #107
Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 64225001.02
Site: LI2I 304th
Well ID: LDCS-9
Sample ID: 304-032725-23
Date: 3/27/25
Weather: Cloudy 50°F

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

DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

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

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

* Not FF *

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0930		20.1	669	4.83	5.97	124.5	1.2	

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

SAMPLER: Alex Deszo
Printed Name

AD
Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	3/26/25					
Time	0840					
Weather (sky or precip, temp)	Cloudy, Rain					
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	1340	4.04	7.23	9.93	—	
Post Cal Reading	1413	4.00	7.00	8.55	—	
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / (Rental)				YSI Pro DDS / HACH2000	
Calibration Location	304th Lot					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	0853					
Time	8/26/25					
Weather (sky or precip, temp)	overcast					
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	1460	3.87	6.82	7.26		
Post Cal Reading	1413	4.00	7.00	8.50		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	LRI parking					

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

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GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	3/27/25					
Time	0847					
Weather (sky or precip, temp)	Partly Cloudy					
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	1522	3.94	6.88	8.26	—	
Post Cal Reading	1413	4.00	7.00	8.50	—	
Descrepancy	No					
Calib. Successful?	Yes					
Calibration by	AMD					
Instrument Type, ID	YSI Pro DDS / YSI 556 / (Rental)				YSI Pro DDS / HACH2000	
Calibration Location	304th Lot					

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

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	3/27/25					
Time	0850					
Weather (sky or precip, temp)	overcast					
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	1408	4.04	7.08	7.20		
Post Cal Reading	1413	4.00	7.00	8.5		
Descrepancy	No					
Calib. Successful?	yes					
Calibration by	J. Estrada					
Instrument Type, ID	YSI Pro DDS / YSI 556 / Rental				YSI Pro DDS / HACH2000	
Calibration Location	LRI lot.					

* 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, First Quarter 2025

Location ID / Monitoring Date	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)	
	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-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	0.002	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
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	0.01	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	0.02	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	0.01	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	0.032	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	0.01	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	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	0.01	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	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	0.01	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	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	0.01	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	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		2		0			
Minimum Concentration		0.001		0.0025		0.02		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		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		0.01		0.0025		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		NC		NC
Variance		NC		NC		1.1E-05		NC		NC		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		NC		NC
Coefficient of Variation (%)		NC		NC		14.2974		NC		NC		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		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	0.002	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
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	0.01	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	0.01	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	0.01	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	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	0.01	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	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	0.01	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	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	0.01	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	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	0.01	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	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		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		0.25
Maximum Concentration		0.025		0.0025		0.018		0.0025		0.0025		0.0025		0.005		0.005		0.001		0.01		0.0025		0.005		0.0025		0.005		0.005		0.25
Average Concentration		NC		NC		0.01413		NC		NC		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		NC		NC
Standard Deviation		NC		NC		0.00181		NC		NC		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		NC		NC
Standard Error		NC		NC		0.00064		NC		NC		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	0.002	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
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	0.01	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	0.01	L 0.005	0.5	L 0.25
12/16/2014	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	0.5	L 0.25
3/26/2015	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	0.5	L 0.25
6/9/2015	0.05	L 0.025	0.005	L 0.0025	0.011	0.011	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	0.5	L 0.25
9/16/2015	0.05	L 0.025	0.005	L 0.0025	0.01	0.01	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	0.5	L 0.25
12/14/2015	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	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		0.01		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		0.25
Maximum Concentration		0.025		0.0025		0.015		0.0025		0.0025		0.0025		0.005		0.005		0.001		0.01		0.0025		0.005		0.0025		0.005		0.005		0.25
Average Concentration		NC		NC		0.012		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Variance		NC		NC		3.4E-06		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Deviation		NC		NC		0.00185		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Coefficient of Variation (%)		NC		NC		15.4303		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Error		NC		NC		0.00065		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
MW-4																																
3/24/2014	0.002	L 0.001	0.0074	0.0074	0.012	0.012	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	0.0086	0.0086	0.012	0.012	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
9/17/2014	0.05	L 0.025	0.0099	0.0099	0.013	0.013	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	0.01	L 0.005	0.5	L 0.25
12/16/2014	0.05	L 0.025	0.0076	0.0076	0.011	0.011	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	0.5	L 0.25
3/24/2015	0.05	L 0.025	0.0079	0.0079	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	0.5	L 0.25
6/9/2015	0.05	L 0.025	0.0094	0.0094	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	0.5	L 0.25
9/18/2015	0.05	L 0.025	0.0094	0.0094	0.017	0.017	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	0.014	0.014	0.5	L 0.25
12/15/2015	0.05	L 0.025	0.011	0.011	0.091	0.091	0.001	L 0.0005	0.001	L 0.0005	0.011	0.011	0.0039	0.0039	0.063	0.063	0.042	0.042	0.02	L 0.01	0.005	L 0.0025	0.005	L 0.0025	0.005	L 0.0025	0.014	0.014	0.29	0.29	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		8		8		0		0		1		1		1		1		0		0		0		0		1		2		0			
Minimum Concentration		0.001		0.0074		0.011		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		0.25
Maximum Concentration		0.025		0.011		0.091		0.0025		0.0025		0.011		0.005		0.063		0.042		0.01		0.0025		0.005		0.0025		0.014		0.29		0.25
Average Concentration		NC		0.0089		0.02275		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Variance		NC		1.6E-06		0.00076		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Deviation		NC		0.00125		0.02763		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Coefficient of Variation (%)		NC		14.0465		121.469		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Error		NC		0.00044		0.00977		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC

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

Location ID / Monitoring Date	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)	
	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																																
3/24/2014	0.002	L 0.001	0.0072	0.0072	0.032	0.032	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	0.0067	0.0067	0.033	0.033	0.001	L 0.0005	0.005	L 0.0025	0.0036	0.0036	0.01	L 0.005	0.0061	0.0061	0.001	L 0.0005	0.0043	0.0043	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
9/16/2014	0.05	L 0.025	0.0059	0.0059	0.036	0.036	0.005	L 0.0025	0.005	L 0.0025	0.0051	0.0051	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	0.01	0.01	0.5	L 0.25
12/16/2014	0.05	L 0.025	0.0055	0.0055	0.022	0.022	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	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	0.5	L 0.25
3/23/2015	0.05	L 0.025	0.008	0.008	0.03	0.03	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	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	0.5	L 0.25
6/8/2015	0.05	L 0.025	0.0075	0.0075	0.02	0.02	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	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	0.5	L 0.25
9/18/2015	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	0.5	L 0.25
12/14/2015	0.05	L 0.025	0.0072	0.0072	0.021	0.021	0.001	L 0.0005	0.001	L 0.0005	0.005	L 0.0025	0.001	L 0.0005	0.01	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	0.5	L 0.25
Number Analyzed	8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8	
Number Detected	0		7		8		0		0		2		0		1		0		1		0		0		0		0		1		0	
Minimum Concentration		0.001		0.0025		0.014		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		0.25
Maximum Concentration		0.025		0.008		0.036		0.0025		0.0025		0.0051		0.005		0.0061		0.001		0.01		0.0025		0.005		0.0025		0.005		0.01		0.25
Average Concentration		NC		0.00631		0.026		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Variance		NC		3E-06		6E-05		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Deviation		NC		0.00175		0.00776		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Coefficient of Variation (%)		NC		27.6653		29.863		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Error		NC		0.00062		0.00275		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
MW-6																																
3/26/2014	0.002	L 0.001	0.0075	0.0075	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	0.0065	0.0065	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	0.002	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
9/18/2014	0.002	L 0.001	0.0078	0.0078	0.01	0.01	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
12/17/2014	0.05	L 0.025	0.0068	0.0068	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	0.5	L 0.25
3/26/2015	0.05	L 0.025	0.0068	0.0068	0.01	0.01	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	0.5	L 0.25
6/8/2015	0.05	L 0.025	0.0075	0.0075	0.01	0.01	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	0.5	L 0.25
9/17/2015	0.05	L 0.025	0.0069	0.0069	0.011	0.011	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	0.5	L 0.25
12/14/2015	0.05	L 0.025	0.0074	0.0074	0.011	0.011	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	0.5	L 0.25
Number Analyzed	8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8	
Number Detected	0		8		8		0		0		0		0		0		0		0		0		0		0		0		0		0	
Minimum Concentration		0.001		0.0065		0.01		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		0.25
Maximum Concentration		0.025		0.0078		0.014		0.0005		0.0025		0.0025		0.005		0.005		0.001		0.01		0.0025		0.005		0.0025		0.005		0.005		0.25
Average Concentration		NC		0.00715		0.01113		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Variance		NC		2.1E-07		1.8E-06		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Deviation		NC		0.00046		0.00136		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Coefficient of Variation (%)		NC		6.38736		12.1906		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Error		NC		0.00016		0.00048		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
MW-7																																
3/26/2014	0.002	L 0.001	0.0054	0.0054	0.016	0.016	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	0.0053	0.0053	0.016	0.016	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
9/17/2014	0.05	L 0.025	0.0052	0.0052	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	0.01	L 0.005	0.5	L 0.25
12/16/2014	0.05	L 0.025	0.005	0.005	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	0.5	L 0.25
3/24/2015	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	0.5	L 0.25
6/9/2015	0.05	L 0.025	0.0054	0.0054	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	0.5	L 0.25
9/17/2015	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	0.01	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	0.5	L 0.25
12/15/2015	0.05	L 0.025	0.0055	0.0055	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	0.5	L 0.25
Number Analyzed	8		8		8		8		8		8		8		8		8		8		8		8		8		8		8		8	
Number Detected	0		6		8		0		0		0		0		0		0		0		0		0		0		0		0		0	
Minimum Concentration		0.001		0.0025		0.012		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		0.25
Maximum Concentration		0.025		0.0055		0.016		0.0025		0.0025		0.0025		0.005		0.005		0.001		0.01		0.0025		0.005		0.0025		0.005		0.005		0.25
Average Concentration		NC		0.0046		0.01488		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Variance		NC		1.7E-06		1.8E-06		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Deviation		NC		0.0013		0.00136		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Coefficient of Variation (%)		NC		28.3682		9.11733		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC
Standard Error		NC		0.00046		0.00048		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC

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

Location ID / Monitoring Date	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)	
	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-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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
12/16/2020	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
3/9/2021	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
6/15/2021	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
9/15/2021	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
12/15/2021	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
3/30/2022	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
6/15/2022	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
9/14/2022	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
12/29/2022	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
3/15/2023	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	0.017	0.017	0.01	L 0.005	0.5	L 0.25
6/8/2023	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	0.0073	0.0073	0.01	L 0.005	0.5	L 0.25
9/28/2023	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
12/13/2023	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
3/19/2024	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
6/5/2024	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
9/25/2024	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
12/11/2024	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
3/26/2025	0.05	L 0.025	0.005	L 0.0025	0.0053	0.0053	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
Number Analyzed	45		45		45		45		45		45		45		45		45		45		45		45		45		45		45			
Number Detected	0		0		9		0		0		0		0		0		0		0		0		0		45		6		0			
Minimum Concentration		0.001		0.0025		0.0025		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0073		0.005		0.25
Maximum Concentration		0.025		0.0025		0.0057		0.0005		0.0025		0.0025		0.005		0.005		0.001		0.01		0.0025		0.005		0.0025		0.017		0.043		0.25
Average Concentration		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		0.01431		NC		NC
Variance		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		1E-06		NC		NC
Standard Deviation		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		0.00101		NC		NC
Coefficient of Variation (%)		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		7.0538		NC		NC
Standard Error		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		0.00015		NC		NC

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

Location ID / Monitoring Date	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)	
	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	0.01	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 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	2.8	2.8
9/14/2022	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	0.019	0.019	3.1	3.1
12/29/2022	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 0.01	3.0	3.0
3/14/2023	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 0.01	3.0	3.0
6/7/2023	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	0.011	0.011	2.6	2.6
9/27/2023	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	0.015	0.015	2.4	2.4
12/12/2023	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	0.013	0.013	2.5	2.5
3/19/2024	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	0.01	2.7	2.7
6/5/2024	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	2.3	2.3
9/26/2024	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	0.02	0.02	2.5	2.5
12/10/2024	0.05	L 0.025	0.005	L 0.0025	0.017	0.017	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	0.012	0.012	2.4	2.4
3/26/2025	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	2.3	2.3
Number Analyzed	45		45		45		45		45		45		45		45		45		45		45		45		45		45		45		45	
Number Detected	0		0		45		0		0		0		0		0		0		0		0		0		0		17		45			
Minimum Concentration		0.001		0.0025		0.012		0.0005		0.0005		0.001		0.0005		0.001		0.0005		0.001		0.0025		0.0025		0.0005		0.0025		0.005		2.3
Maximum Concentration		0.025		0.0025		0.017		0.0025		0.0025		0.0025		0.005		0.005		0.001		0.01		0.0025		0.005		0.0025		0.005		0.034		6.4
Average Concentration		NC		NC		0.01381		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		4.508333
Variance		NC		NC		1.1E-06		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		1.277929
Standard Deviation		NC		NC		0.00106		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		1.130455
Coefficient of Variation (%)		NC		NC		7.70855		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		25.07479
Standard Error		NC		NC		0.00016		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		NC		0.168518

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, First 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.

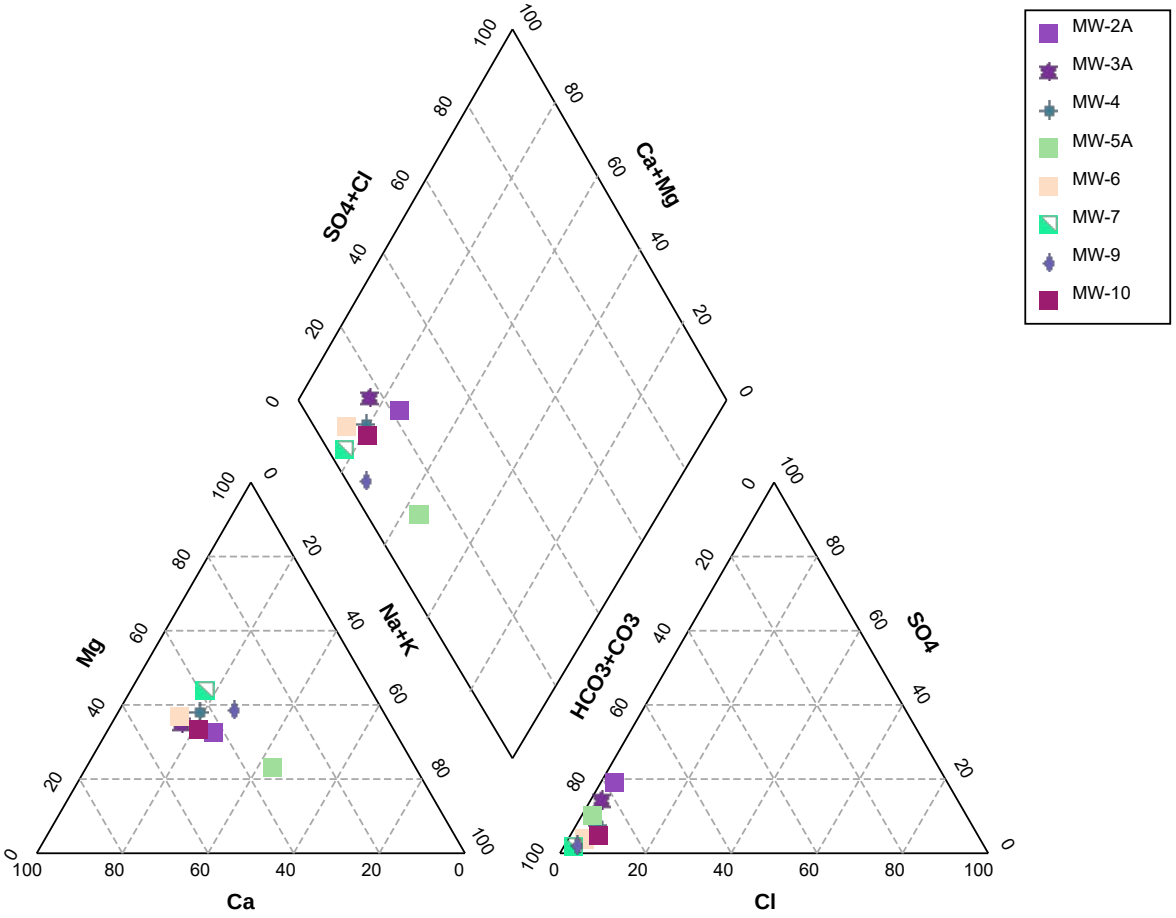
L = not reported at or above the MRL (Method Reporting Limit).

mg/L = milligrams per liter.

Attachment E

Trilinear Diagrams

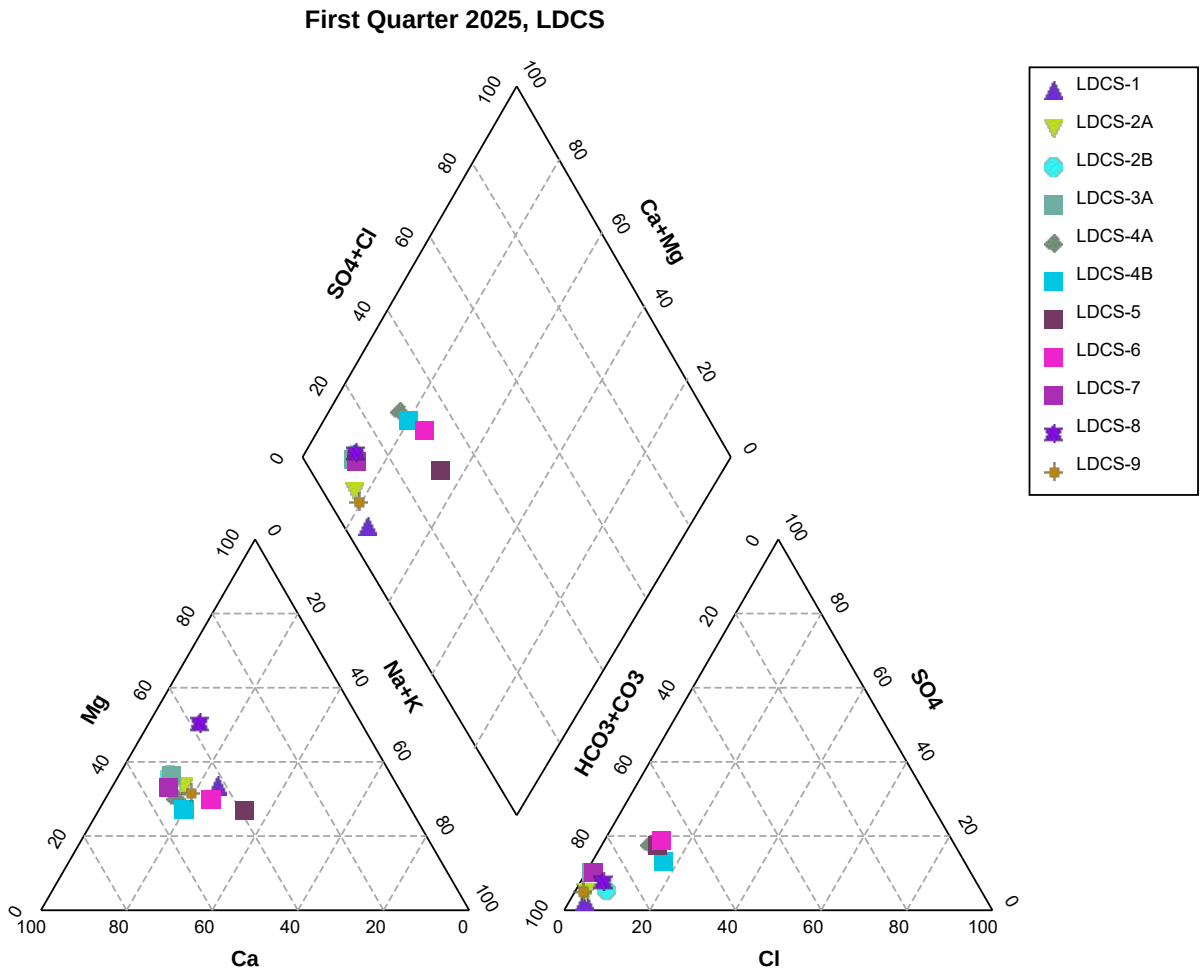
First Quarter 2025, Monitoring Wells



LRI Landfill

Piper Diagram – 25Q1

LRI Inc.
04225001.02
June 17, 2025

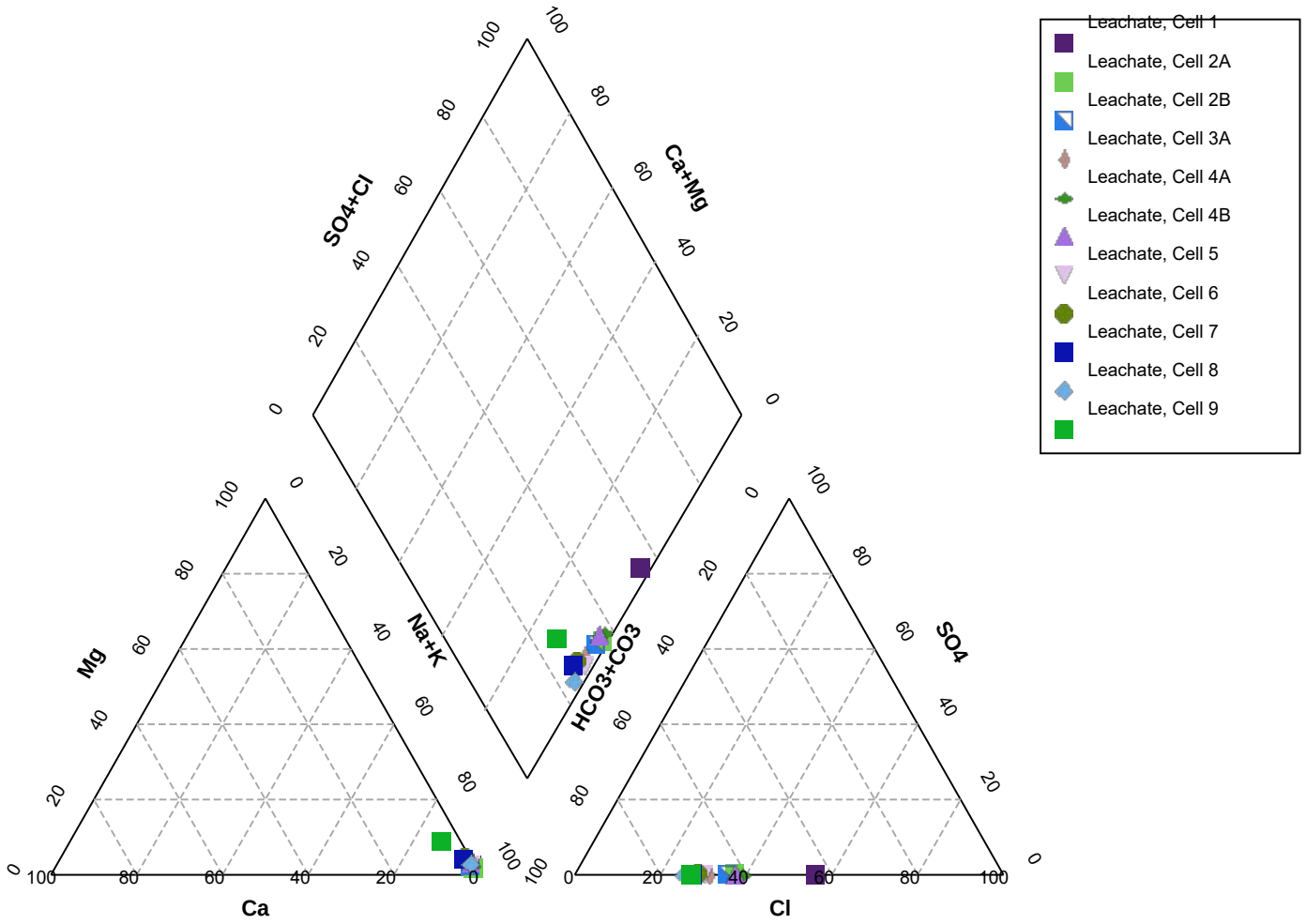


LRI Landfill

Piper Diagram – 25Q1

LRI Inc.
04225001.02
June 17, 2025

Fourth Quarter 2024, Leachate



LRI Landfill

Piper Diagram – 24Q4

LRI Inc.
04225001.02
April 2, 2025

Attachment F

Analytical Data Validation Report

FIRST QTR. 2025 DATA VALIDATION REPORT – LRI LANDFILL

Project Details

Project No.	04225001.02	**Site Name**	LRI 304th Street LF
Data Validator	Jovany Estrada	**Data Level**	Level 2
Date	06/12/2025	**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)
280-205006-1	No Comment.	Eurofins, Denver CO
280-205135-1	The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: 304-032725-17 (280-205135-4) and 304-032725-23 (280-205135-6).	Eurofins, Denver CO

Analytical Summary

Sample Group	Analyses					
	TDS/Alk/NO3	Metals	NH3/TOC	VOCs	Anions	TSS
280-205006-1	X	X	X	X	X	X
280-205135-1	X[4]	X	X	X	X	-

Notes:

1. Dissolved metals analysis performed (field filtered)
2. Dissolved and Total metals analysis performed
3. Total Metals analysis performed
4. TDS analysis not performed due to lab error

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.

Lab QA Samples	Results	Comments
Metals	Acceptable.	See case narratives.
Duplicates	Acceptable.	See case narratives.
Organics	Acceptable.	See case narratives.
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	280-205006-1	None	

Lab Quality Flags

Flag	Sample Groups	Comments
4	280-205006-1, 280-205135-1	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	280-205006-1	MS and/or MSD recovery exceeds control limits.
J	280-205006-1, 280-205135-1	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	280-205006-1	Result exceeded the calibration range.
H	280-205135-1	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

Duplicate Evaluation

Analyte	Units	MW-7 (304-032625-07)	MW-7 DUP (304-032625-08)	RPD (%)
Alkalinity, Total	mg/L	190	180	5.41
Ammonia	mg/L	0.19	0.21	10.00
Arsenic, Total	mg/L	0.0052	0.0057	9.17
Barium, Total	mg/L	0.015	0.016	6.45
Calcium, Dissolved	mg/L	32	32	0.00
Chloride	mg/L	3.1	3.1	0.00
Iron, Dissolved	mg/L	0.22	0.21	4.65
Magnesium, Dissolved	mg/L	22	22	0.00
Manganese, Dissolved	mg/L	0.23	0.22	4.44
Potassium, Dissolved	mg/L	5.8	5.8	0.00

Analyte	Units	MW-7 (304-032625-07)	MW-7 DUP (304-032625-08)	RPD (%)
Sodium, Dissolved	mg/L	13	13	0.00
Sulfate	mg/L	3.5	3.6	2.82
Total Dissolved Solids	mg/L	220	220	0.00
Total Organic Carbon	mg/L	1.3	1.1	16.67

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.

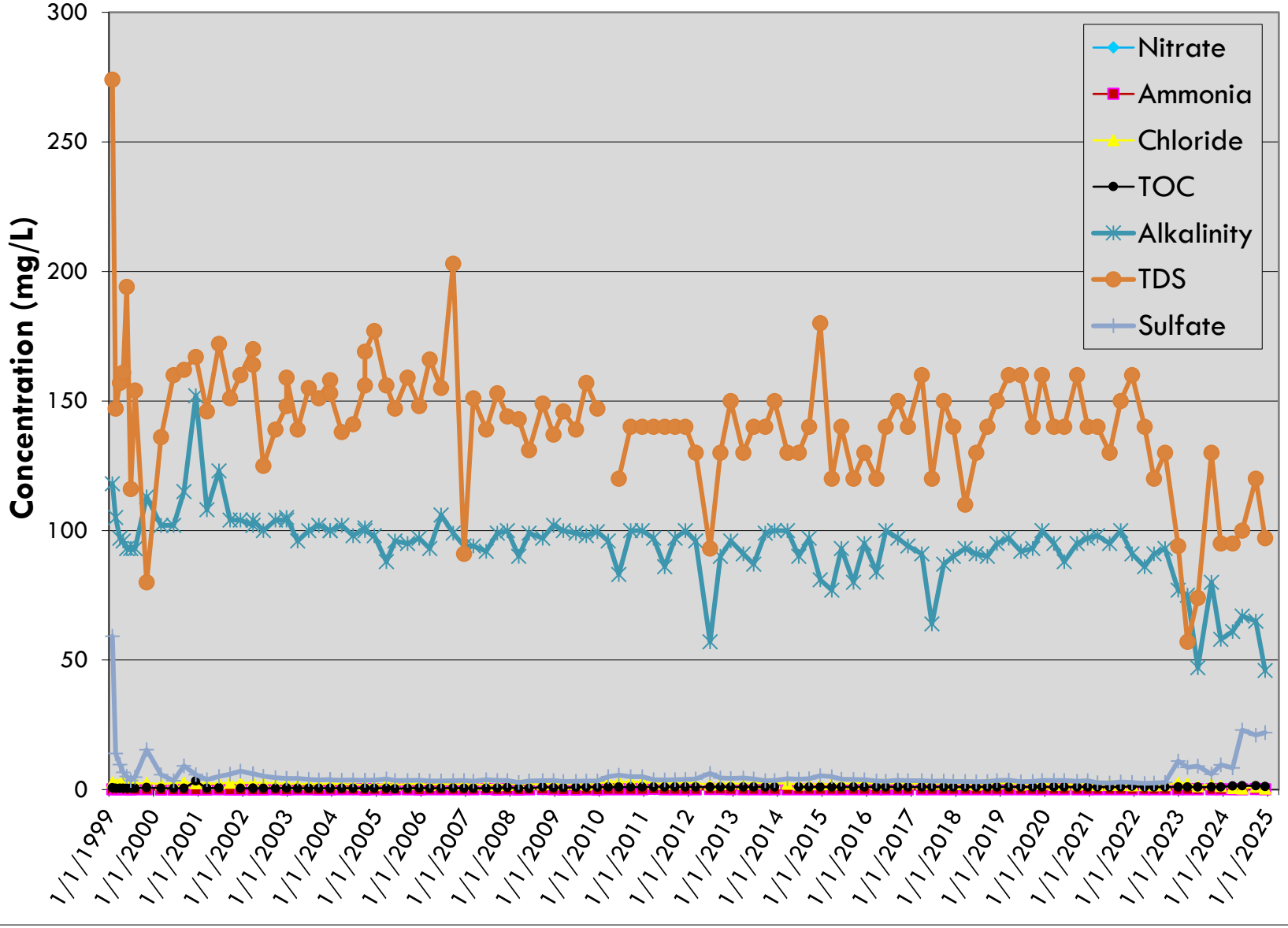
Qualified Data and Usability

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

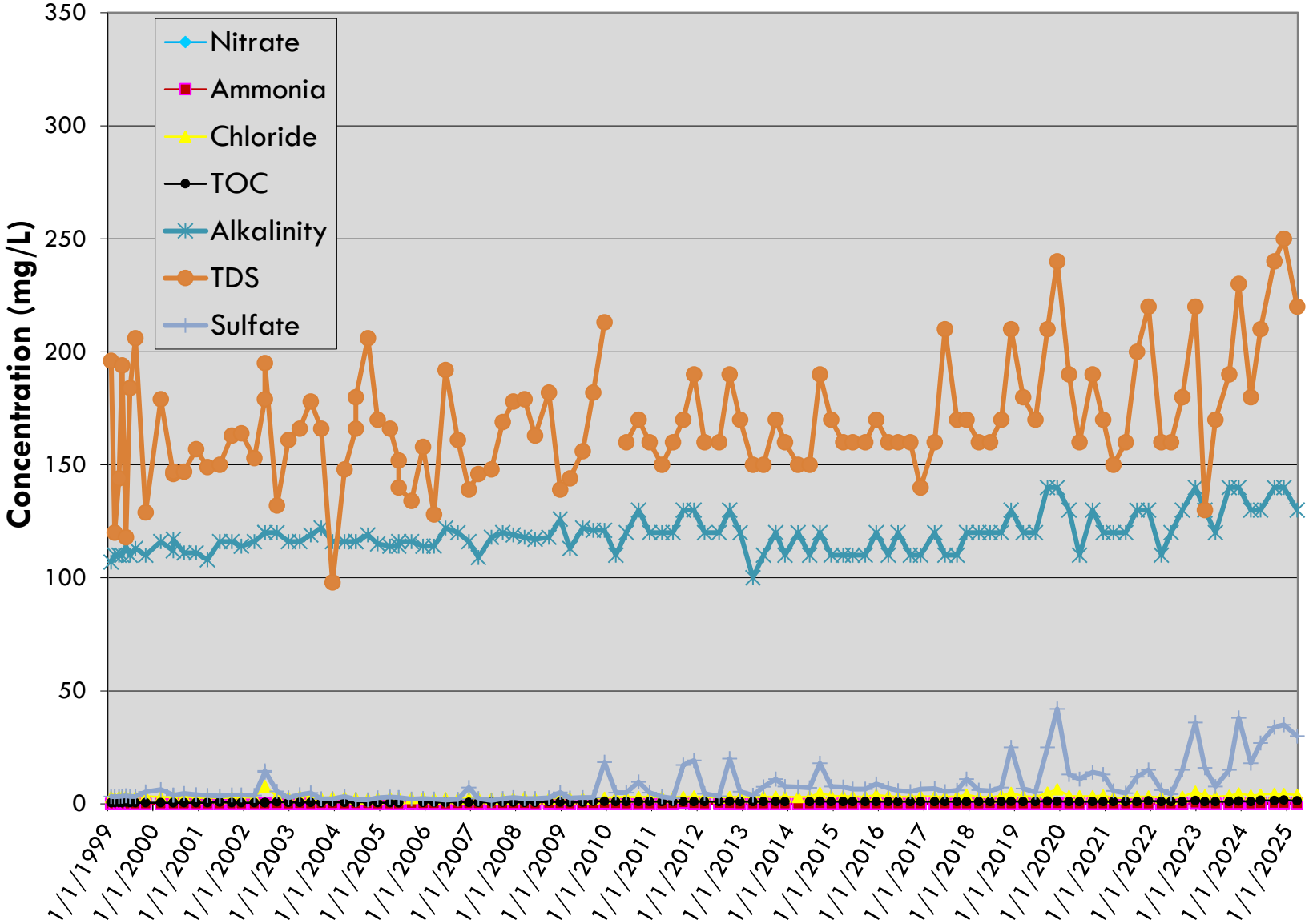
Attachment G

Groundwater and LDCS Time Trend Plots

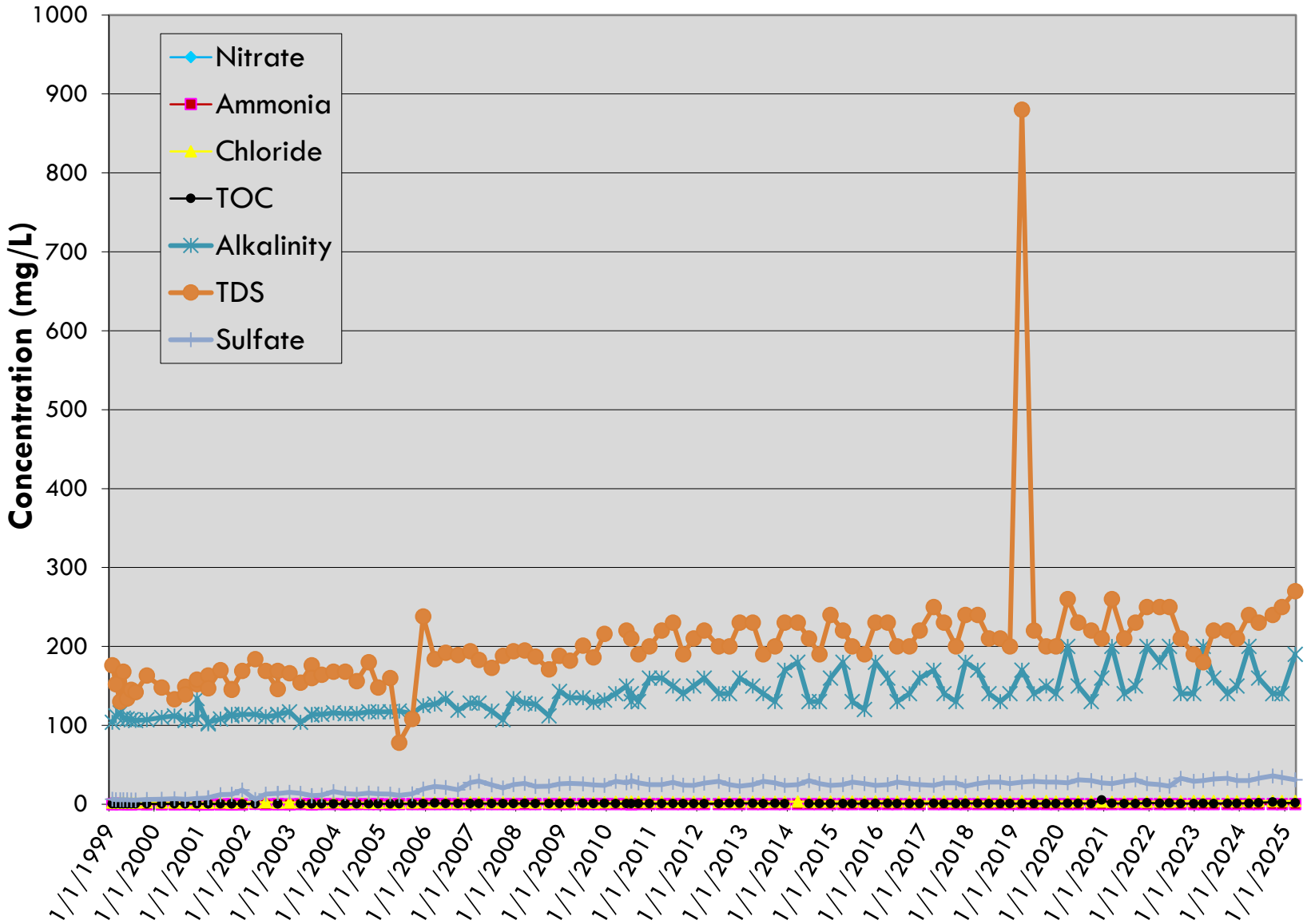
MW-1A
LRI Landfill, Pierce County, Washington



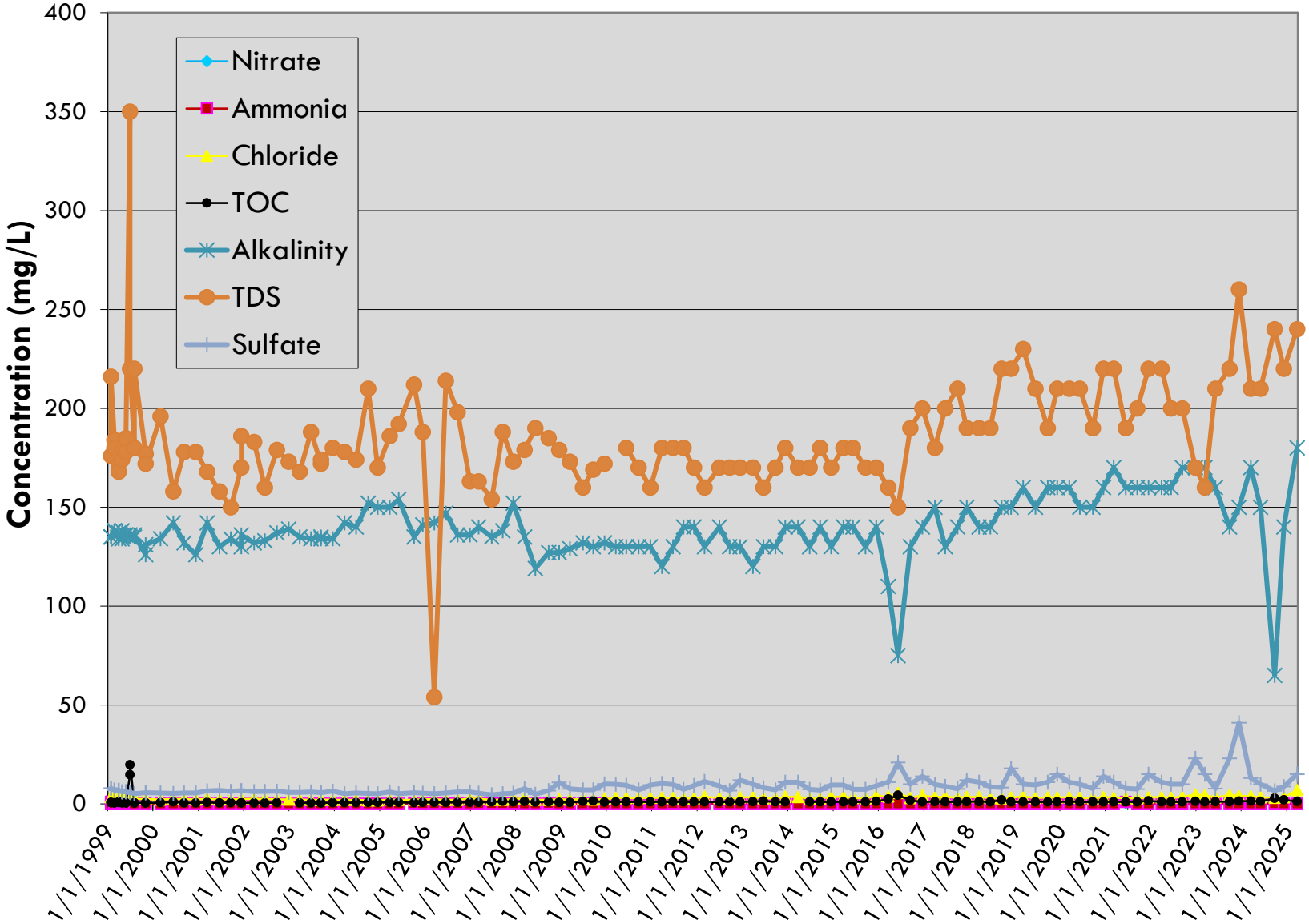
MW-2A
LRI Landfill, Pierce County, Washington

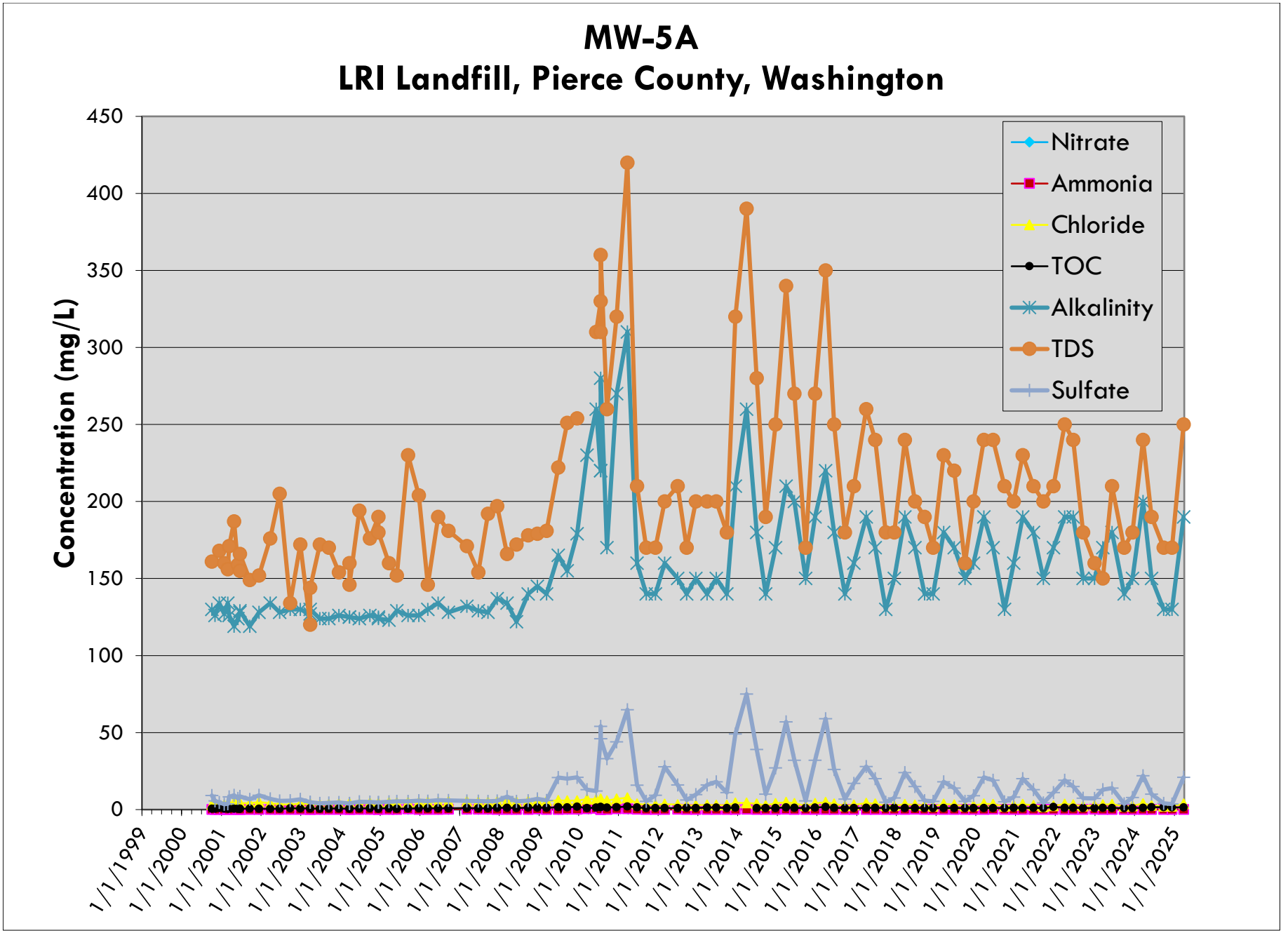


MW-3
LRI Landfill, Pierce County, Washington

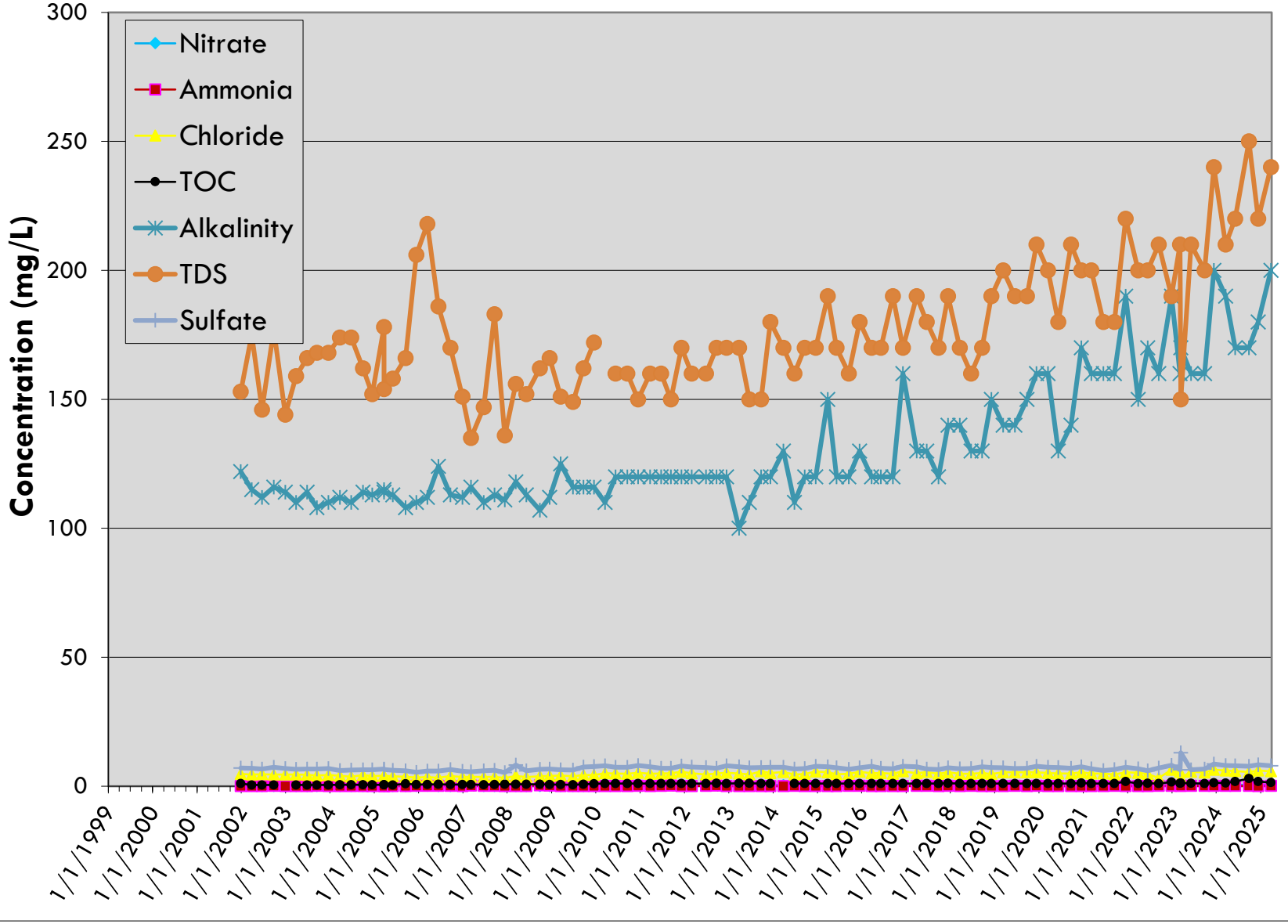


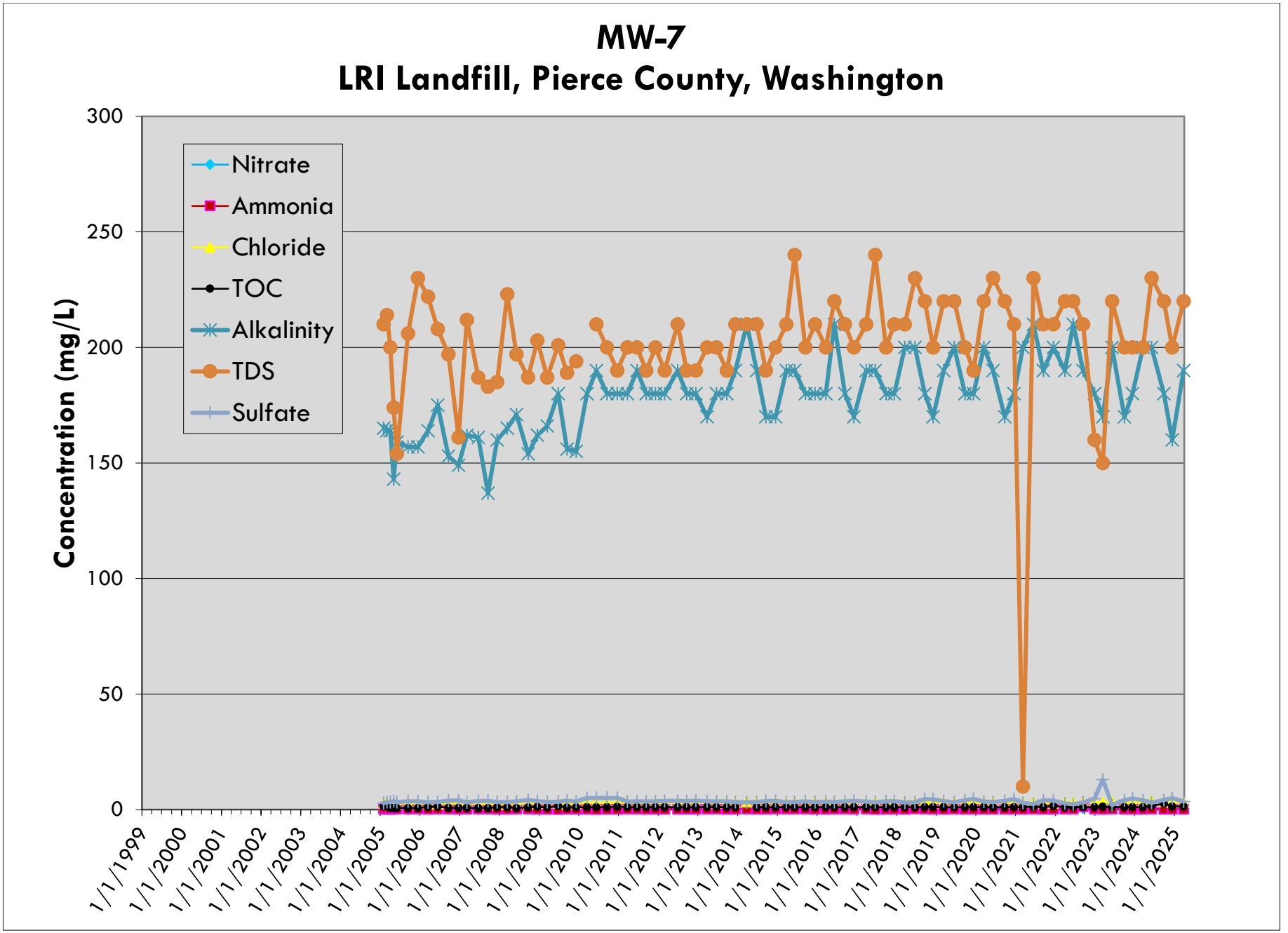
MW-4
LRI Landfill, Pierce County, Washington

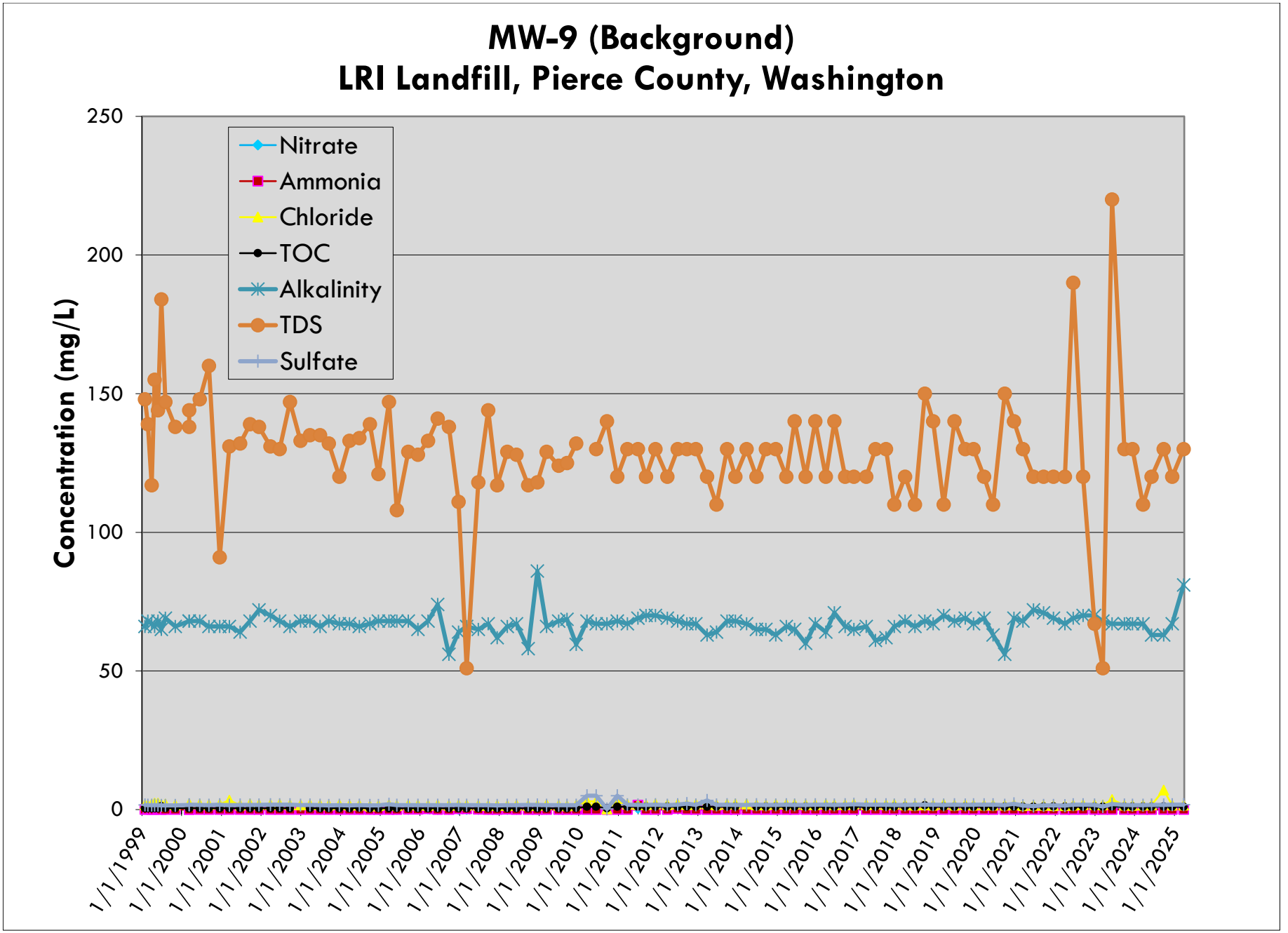



MW-5A
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
450
400
350
300
250
200
150
100
50
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025

MW-6
LRI Landfill, Pierce County, Washington




MW-7
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
300
250
200
150
100
50
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025


MW-9 (Background)
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
250
200
150
100
50
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
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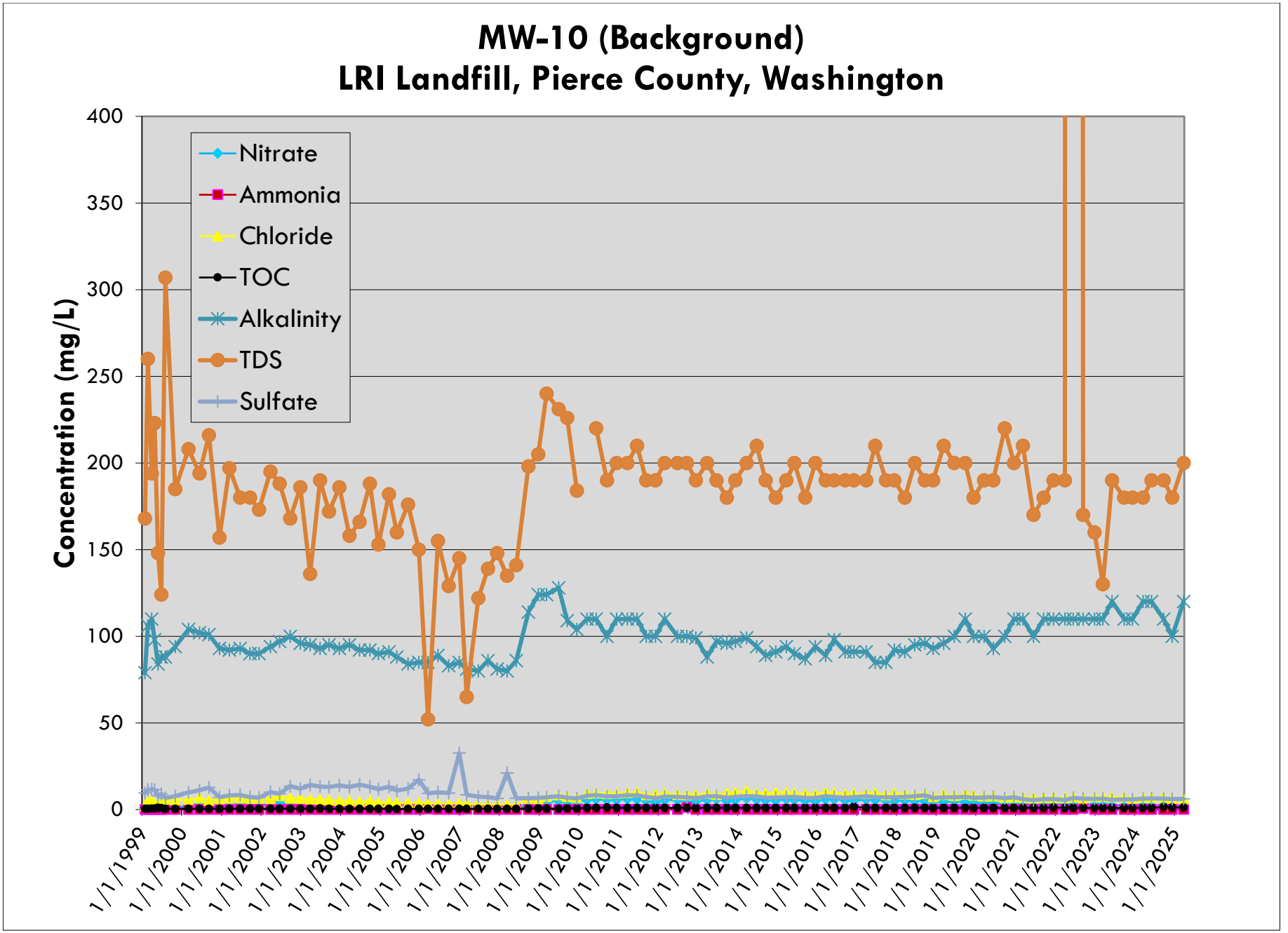
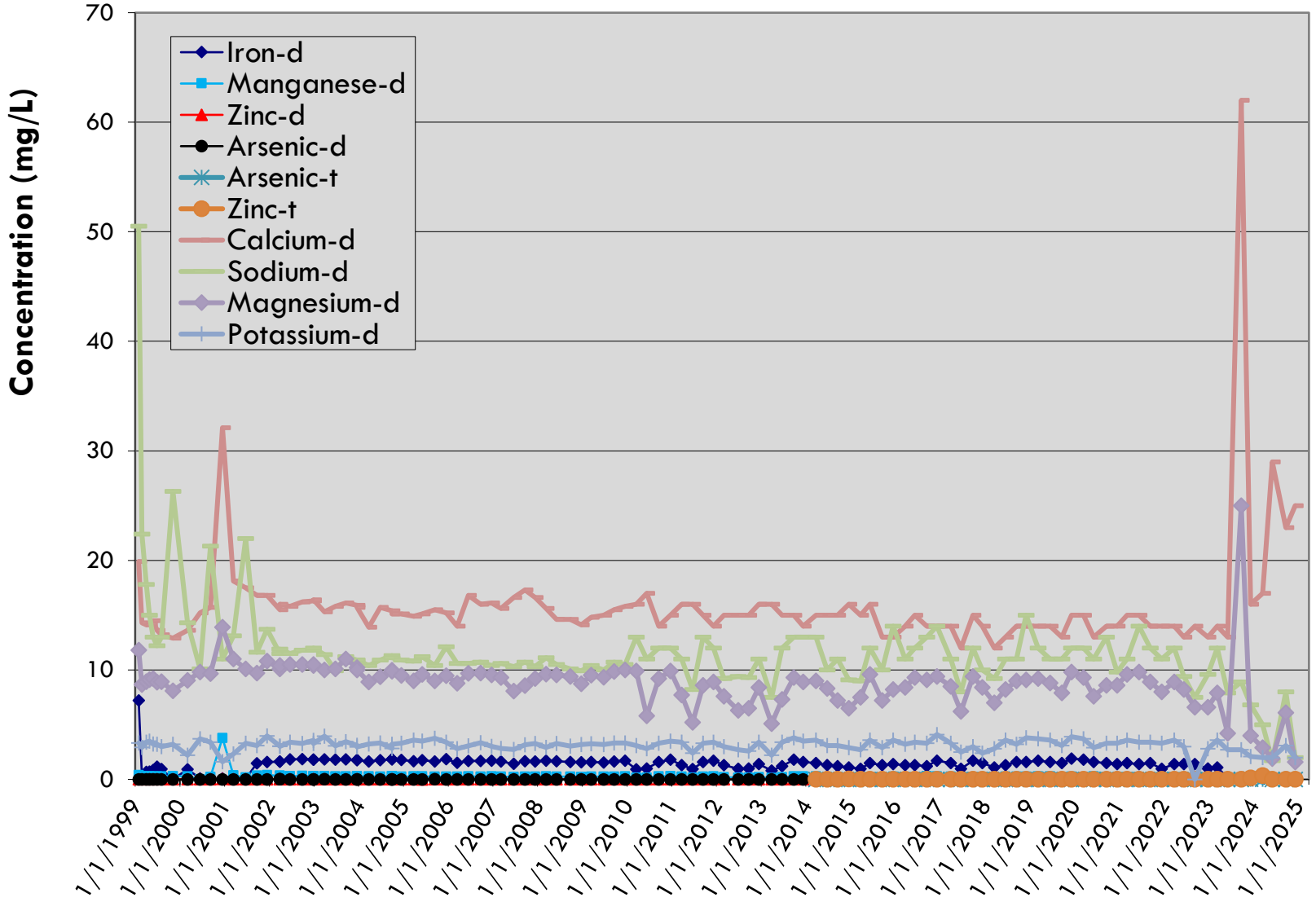
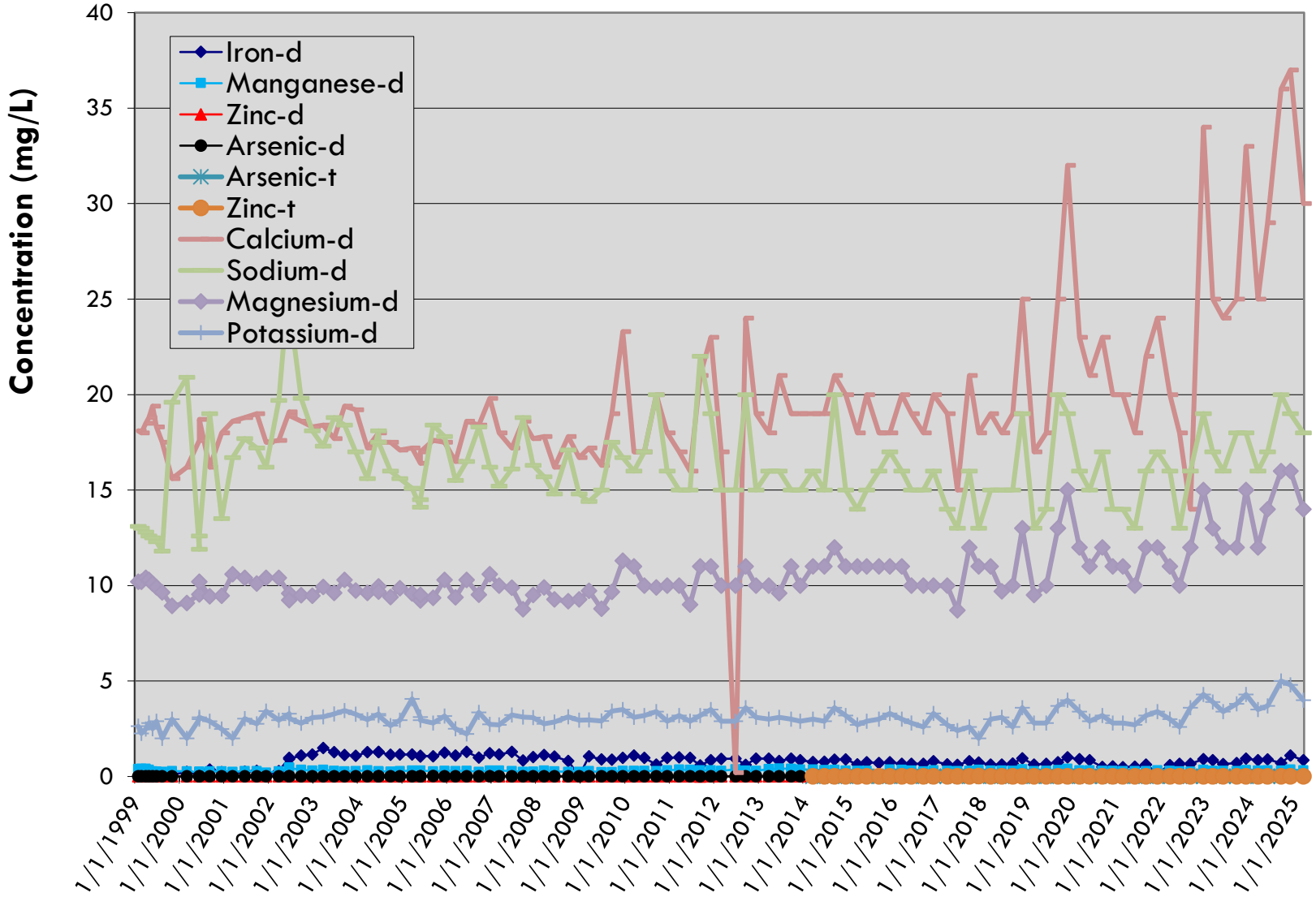
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025


MW-10 (Background)
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
400
350
300
250
200
150
100
50
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025

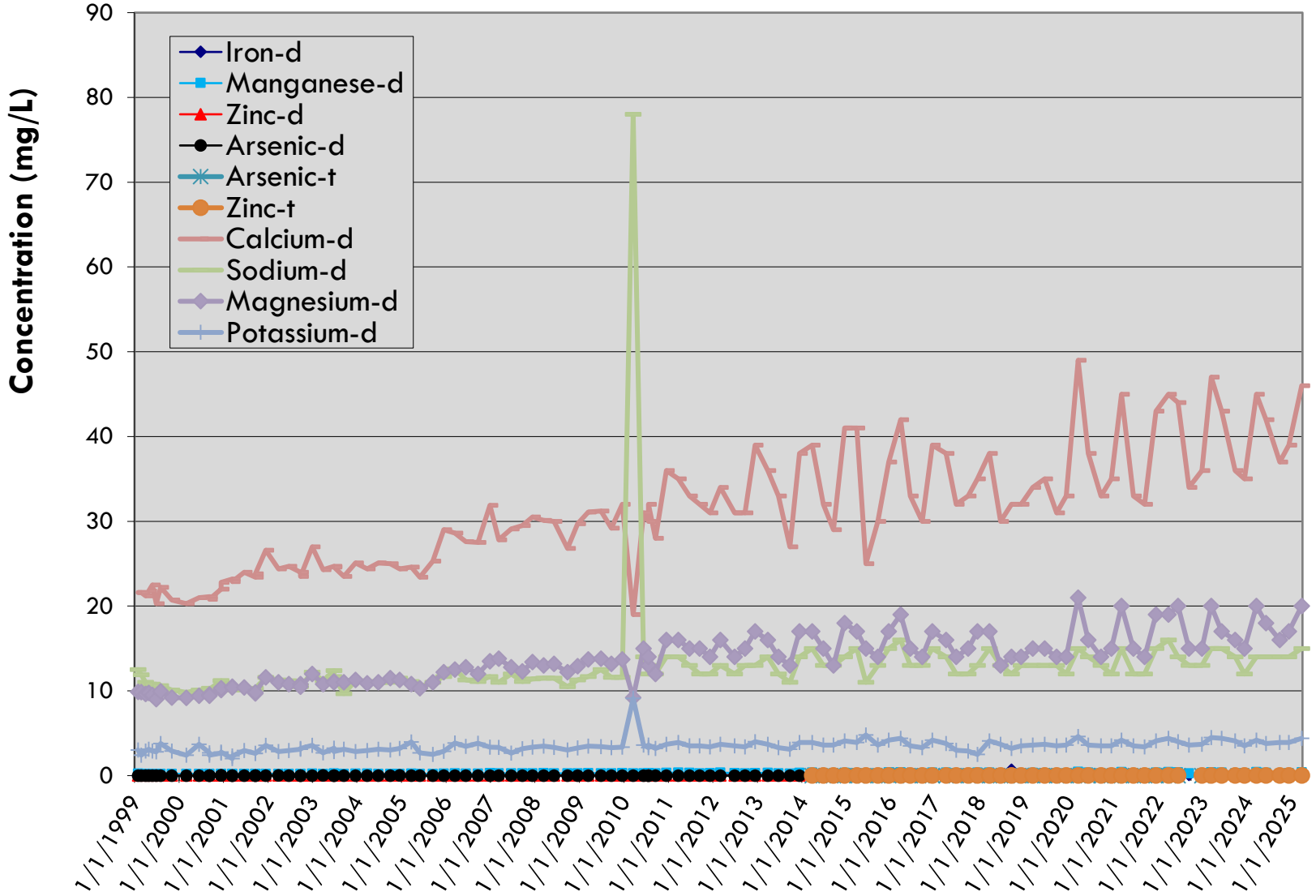
MW-1A
LRI Landfill, Pierce County, Washington



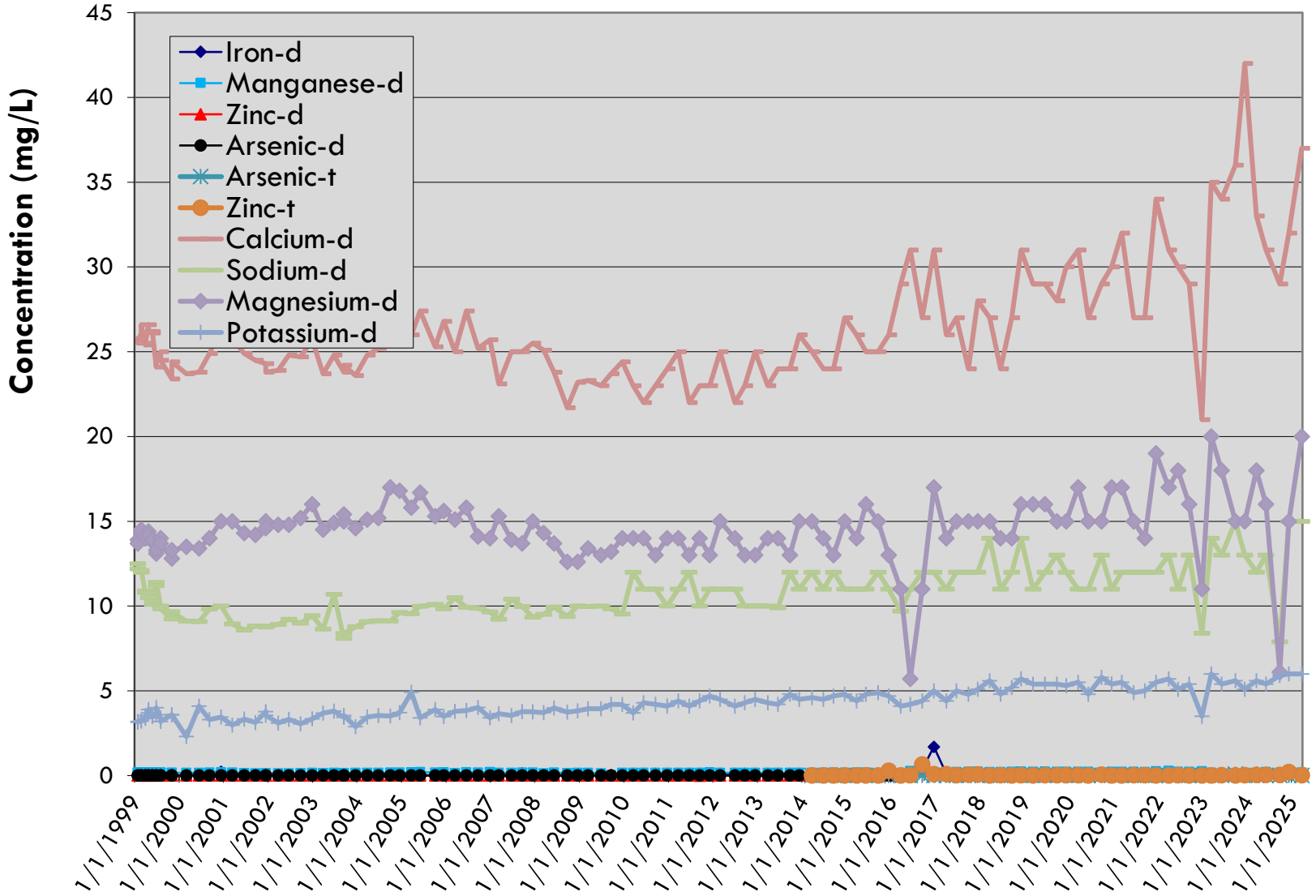
MW-2A
LRI Landfill, Pierce County, Washington



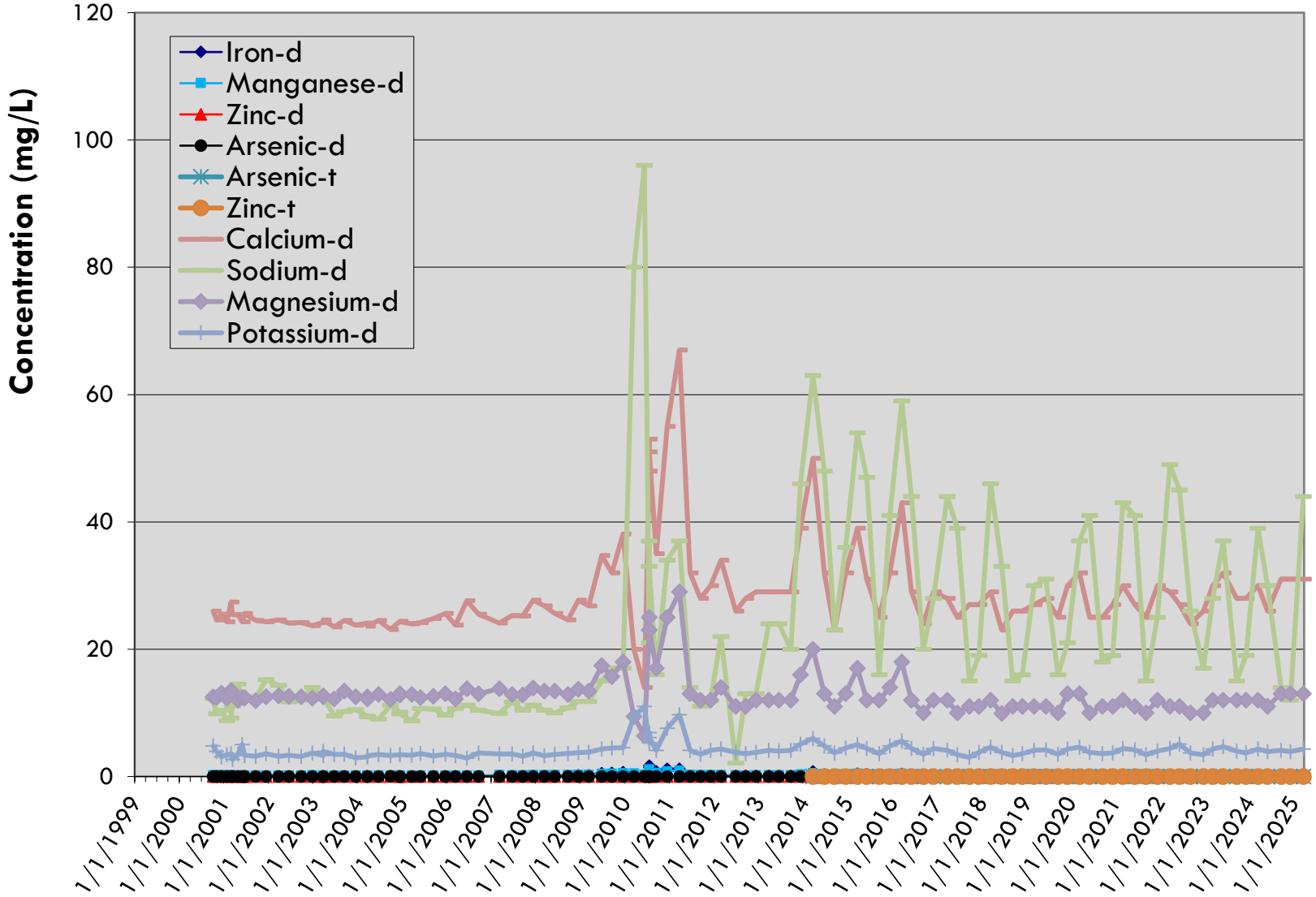
MW-3
LRI Landfill, Pierce County, Washington



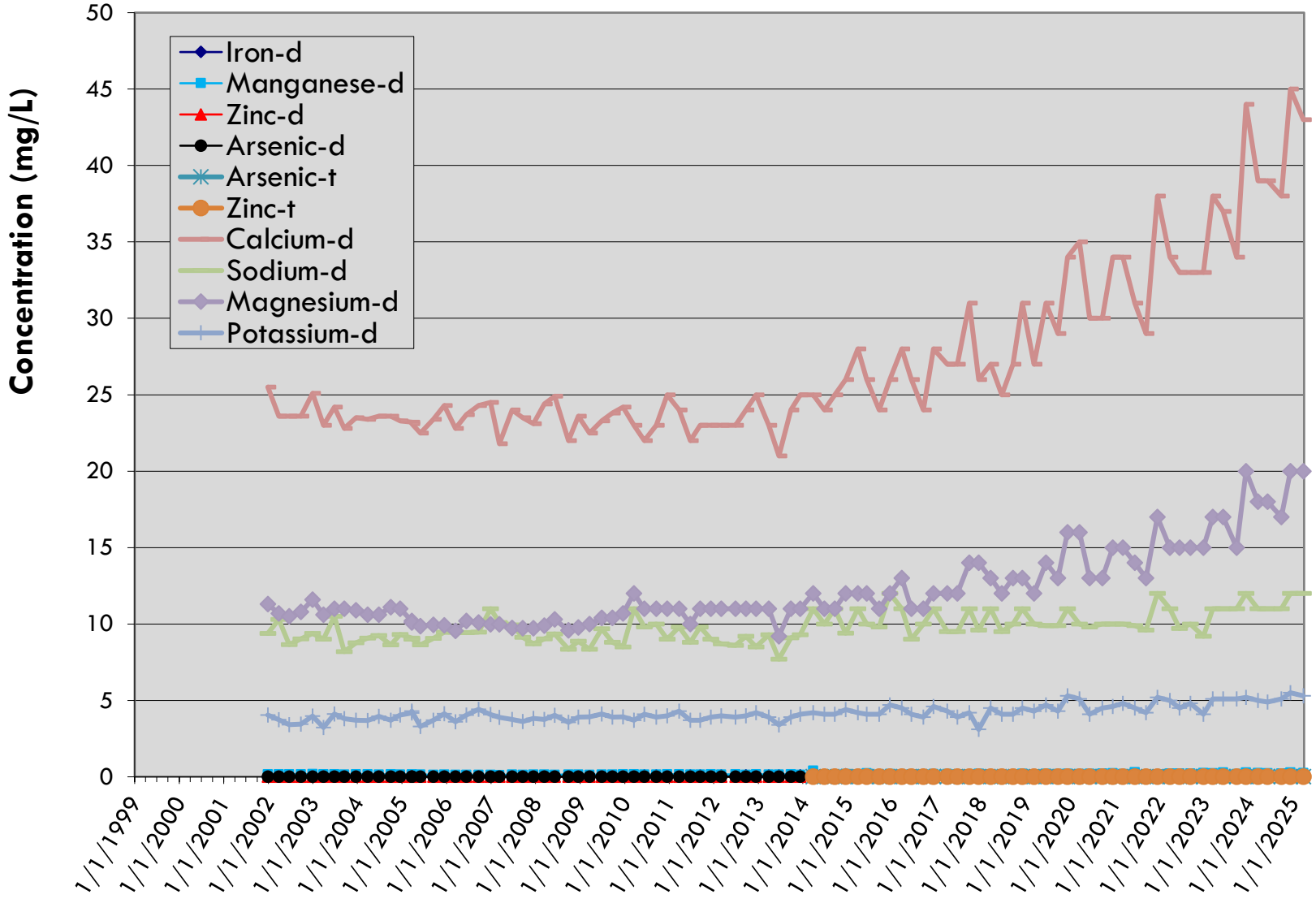
MW-4
LRI Landfill, Pierce County, Washington



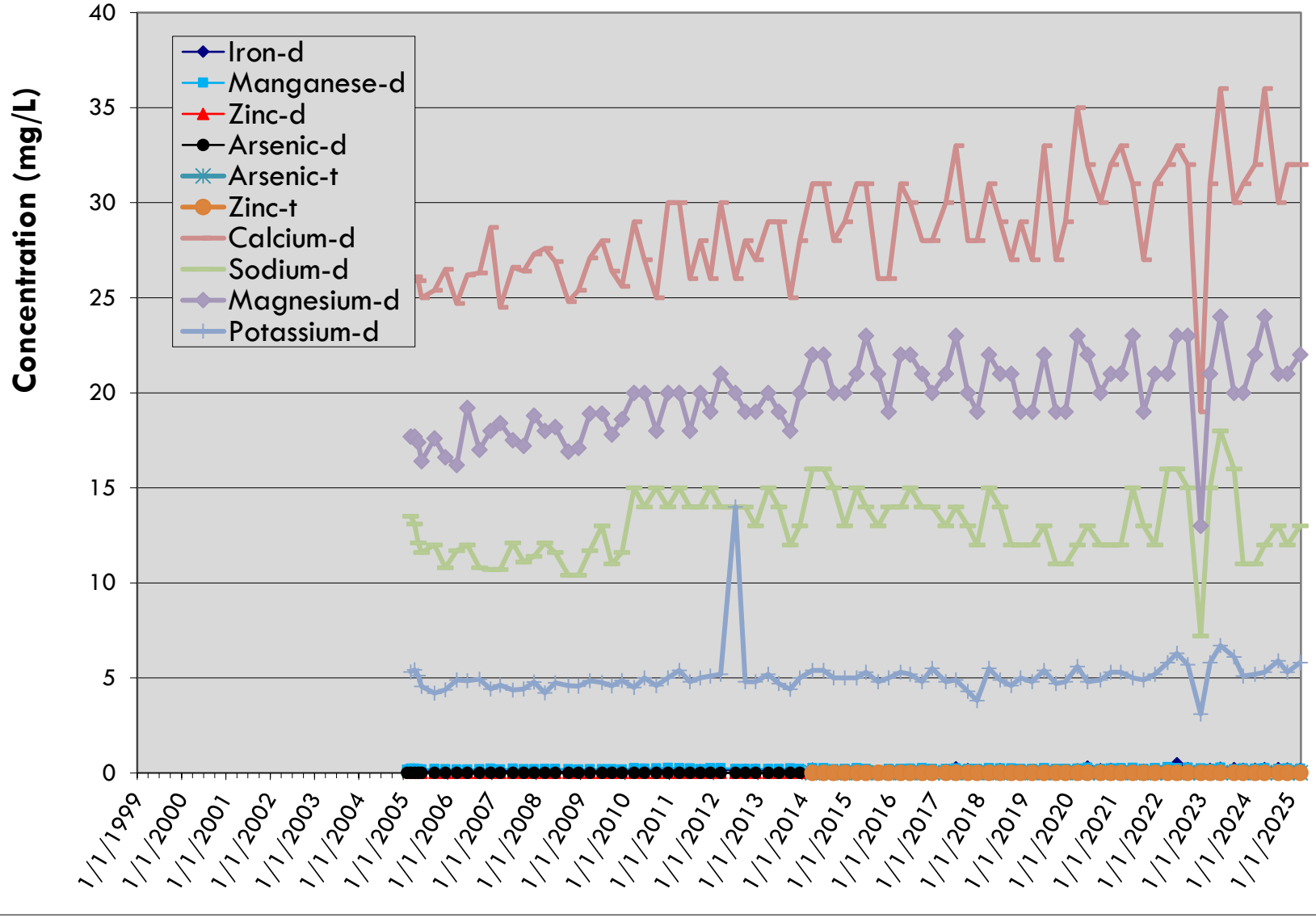
MW-5A
LRI Landfill, Pierce County, Washington



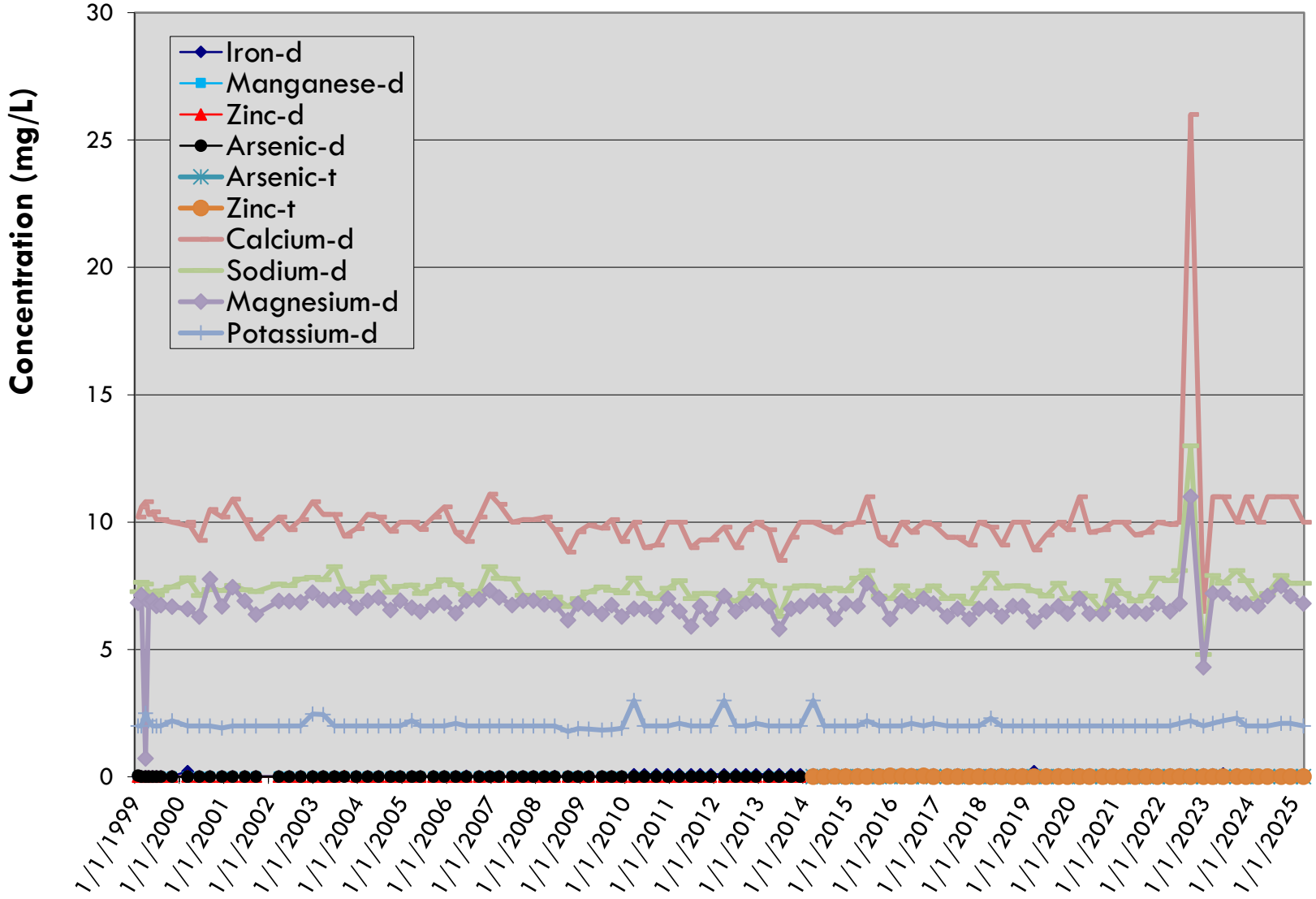
MW-6
LRI Landfill, Pierce County, Washington



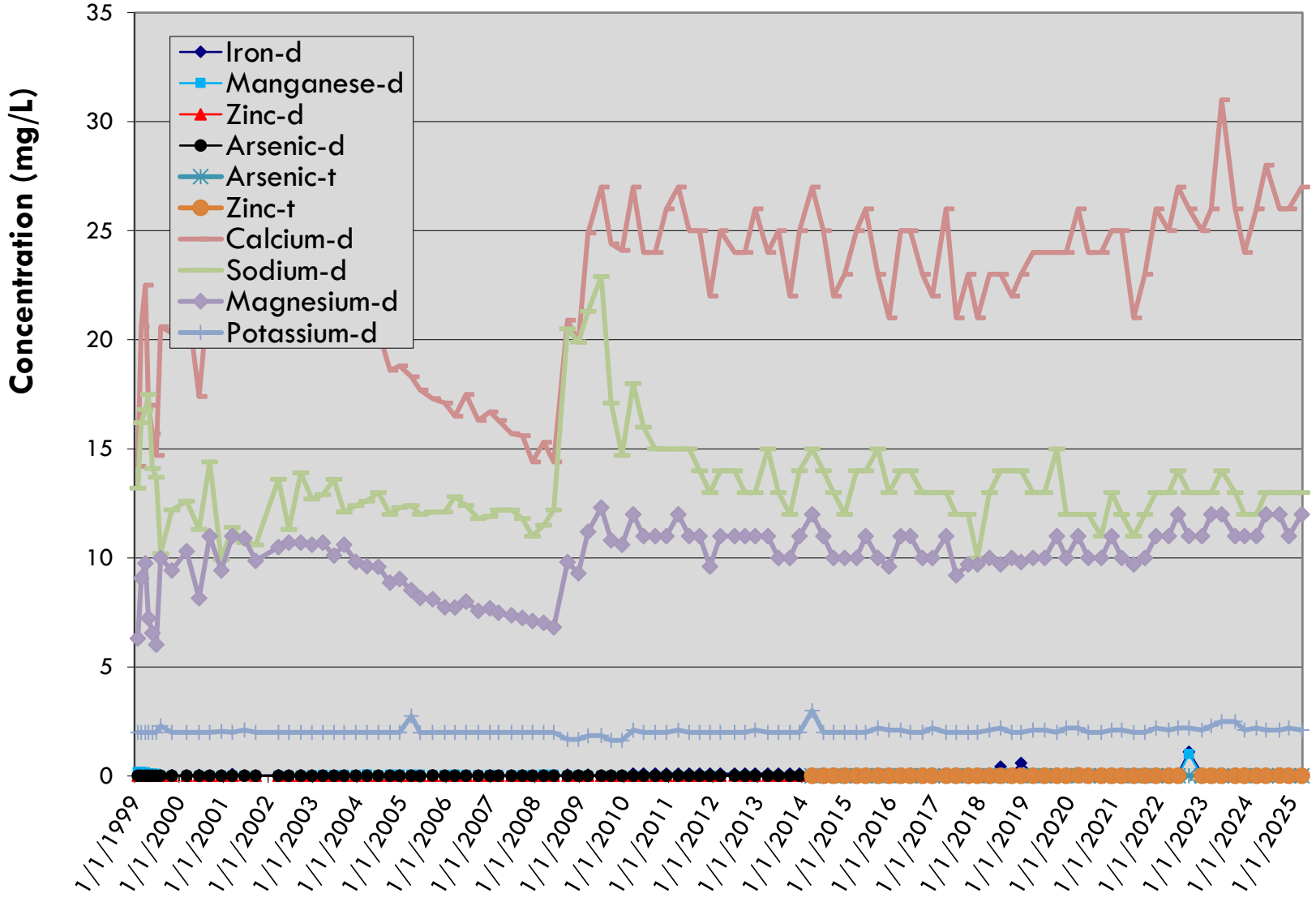
MW-7
LRI Landfill, Pierce County, Washington



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

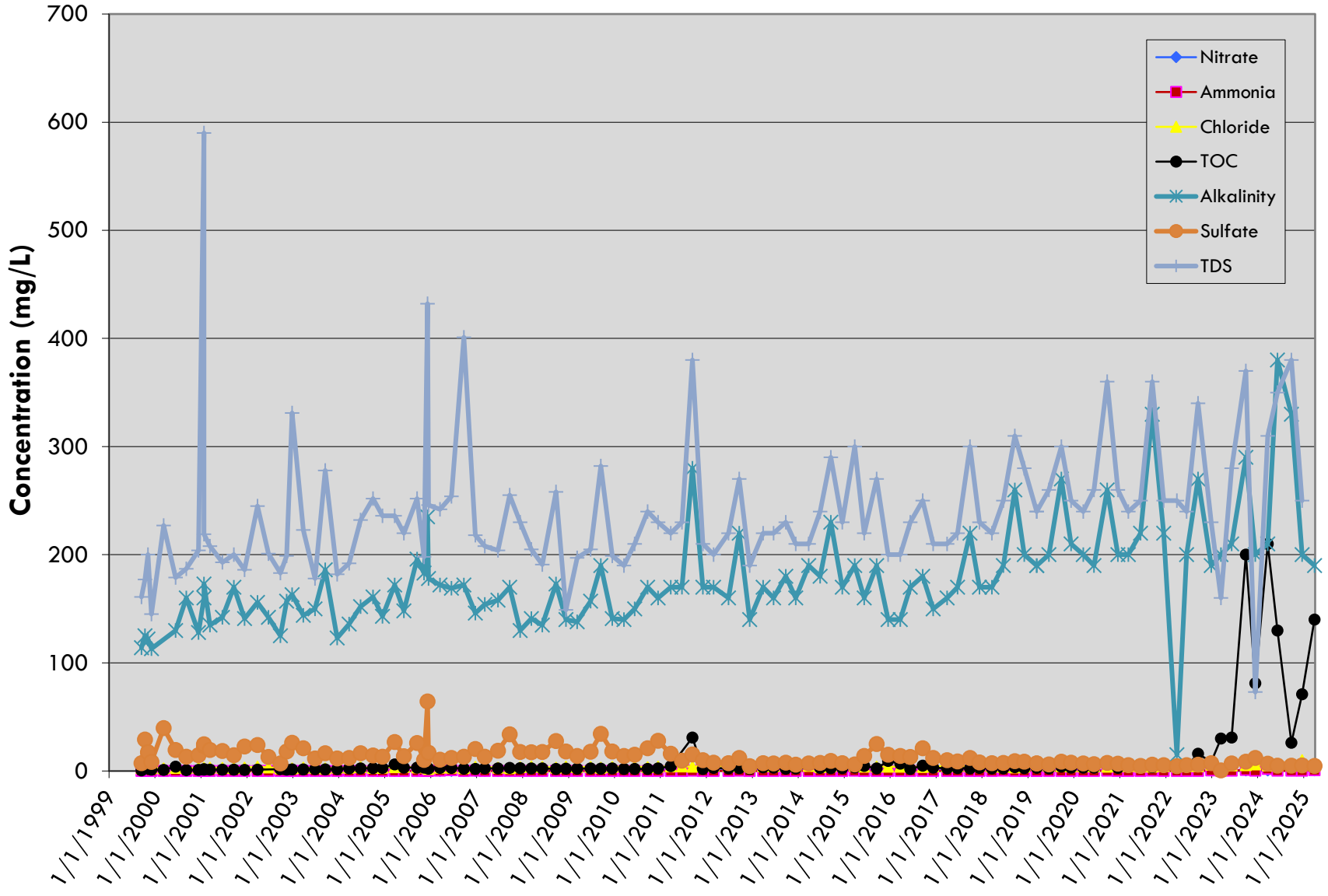


MW-10 (Background)
LRI Landfill, Pierce County, Washington

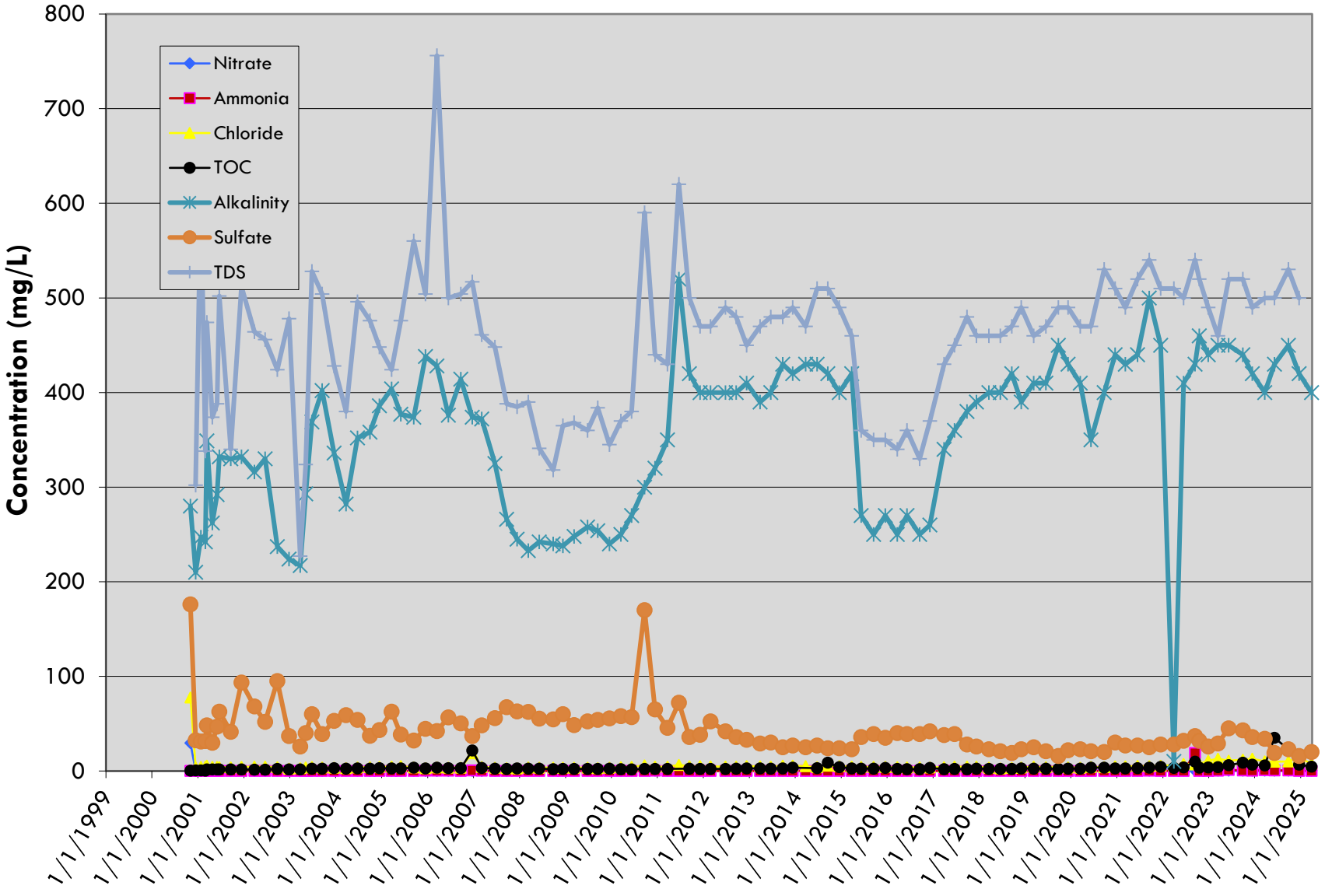


LDCS-1

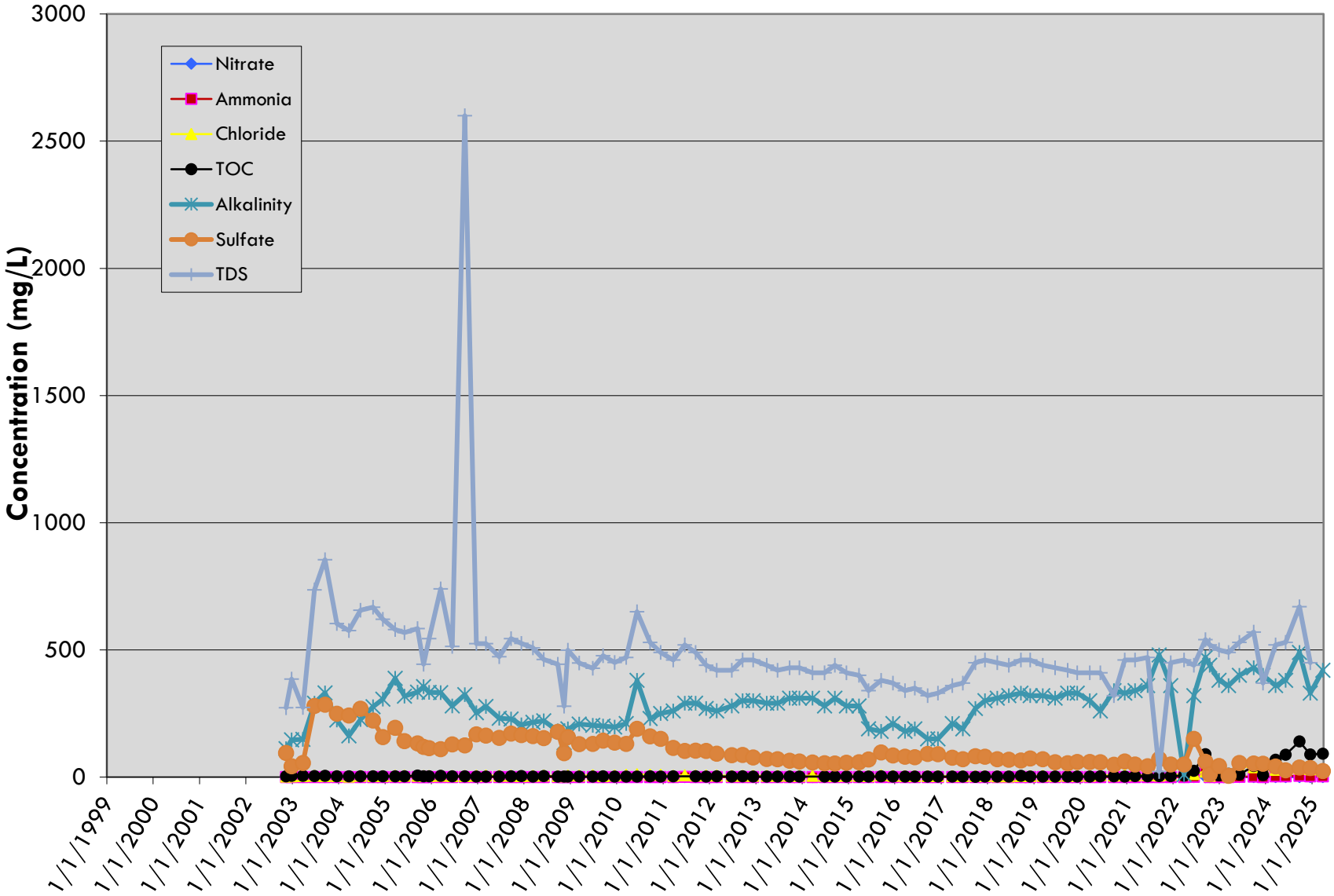
LRI Landfill, Pierce County, Washington

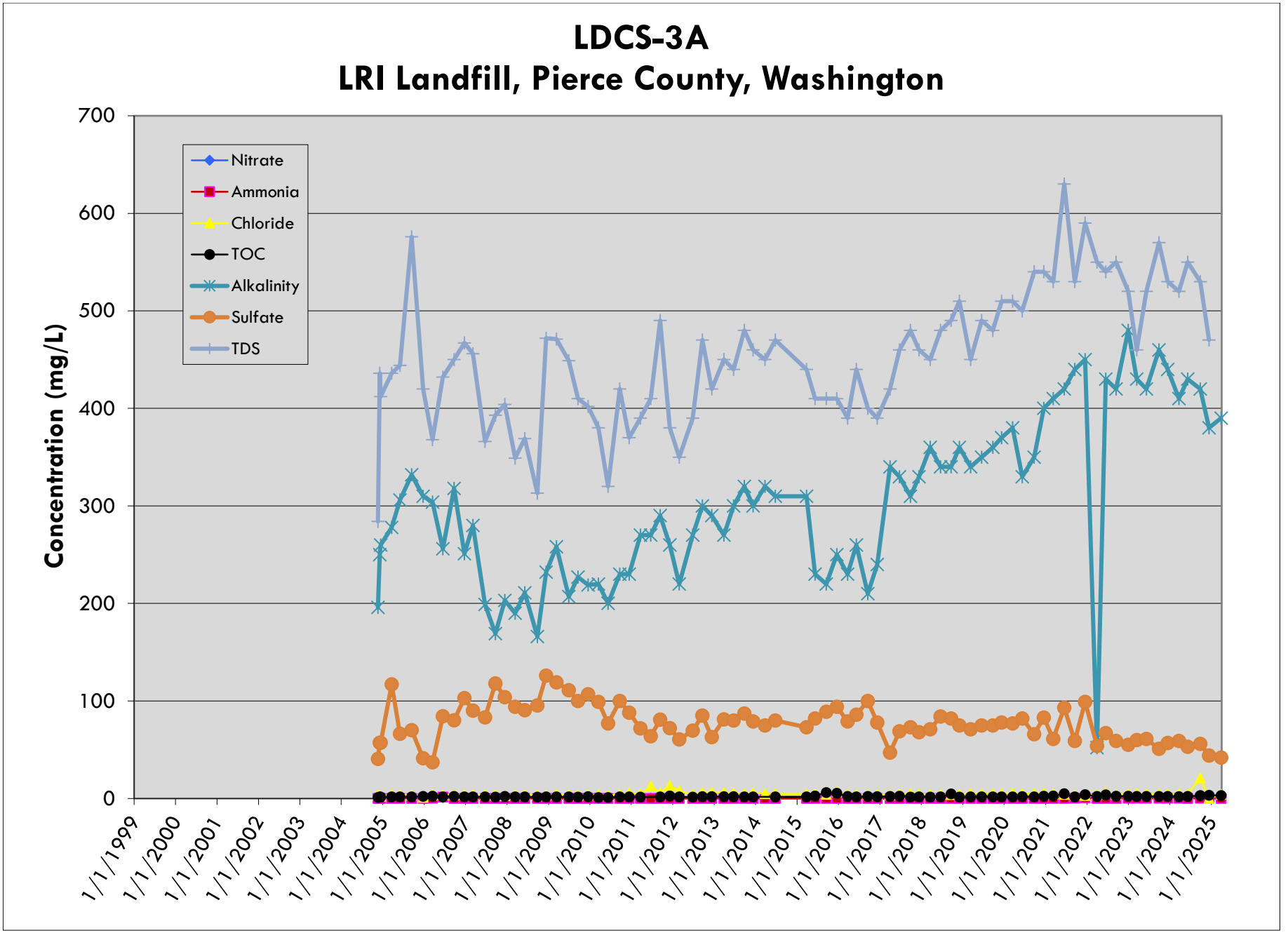


LDCS-2A
LRI Landfill, Pierce County, Washington

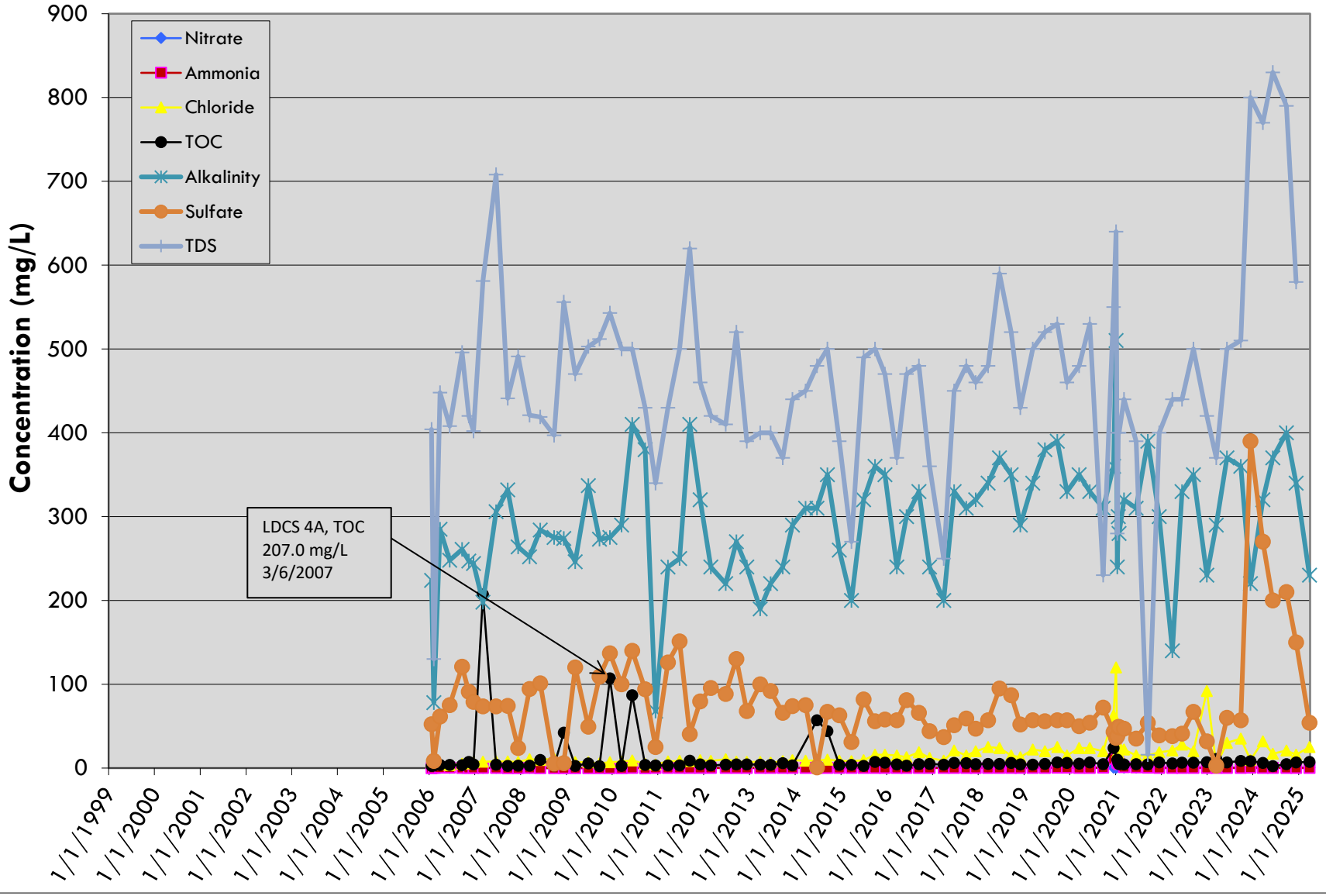


LDCS-2B
LRI Landfill, Pierce County, Washington

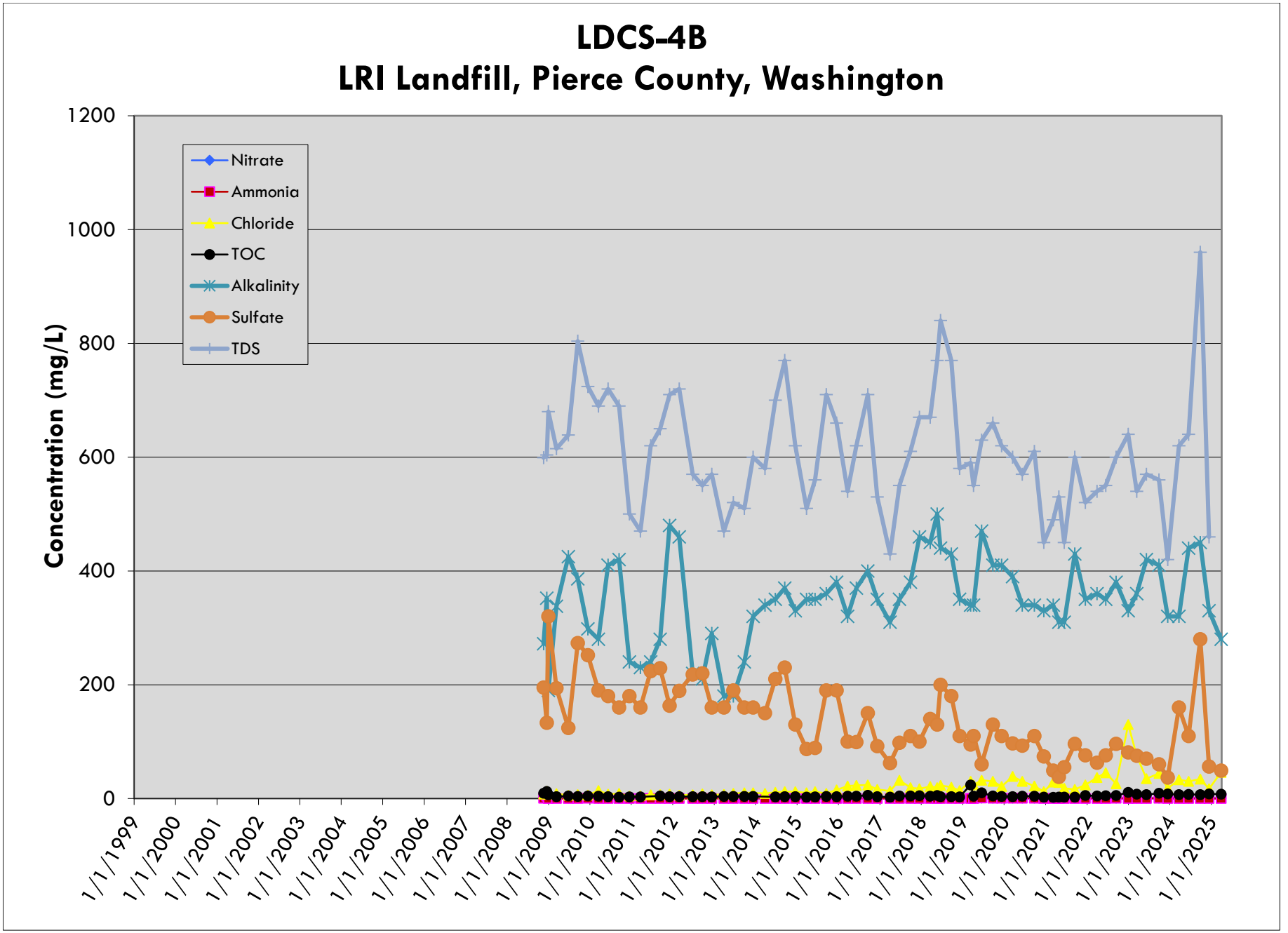



LDCS-3A
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
700
600
500
400
300
200
100
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
Sulfate
TDS
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025

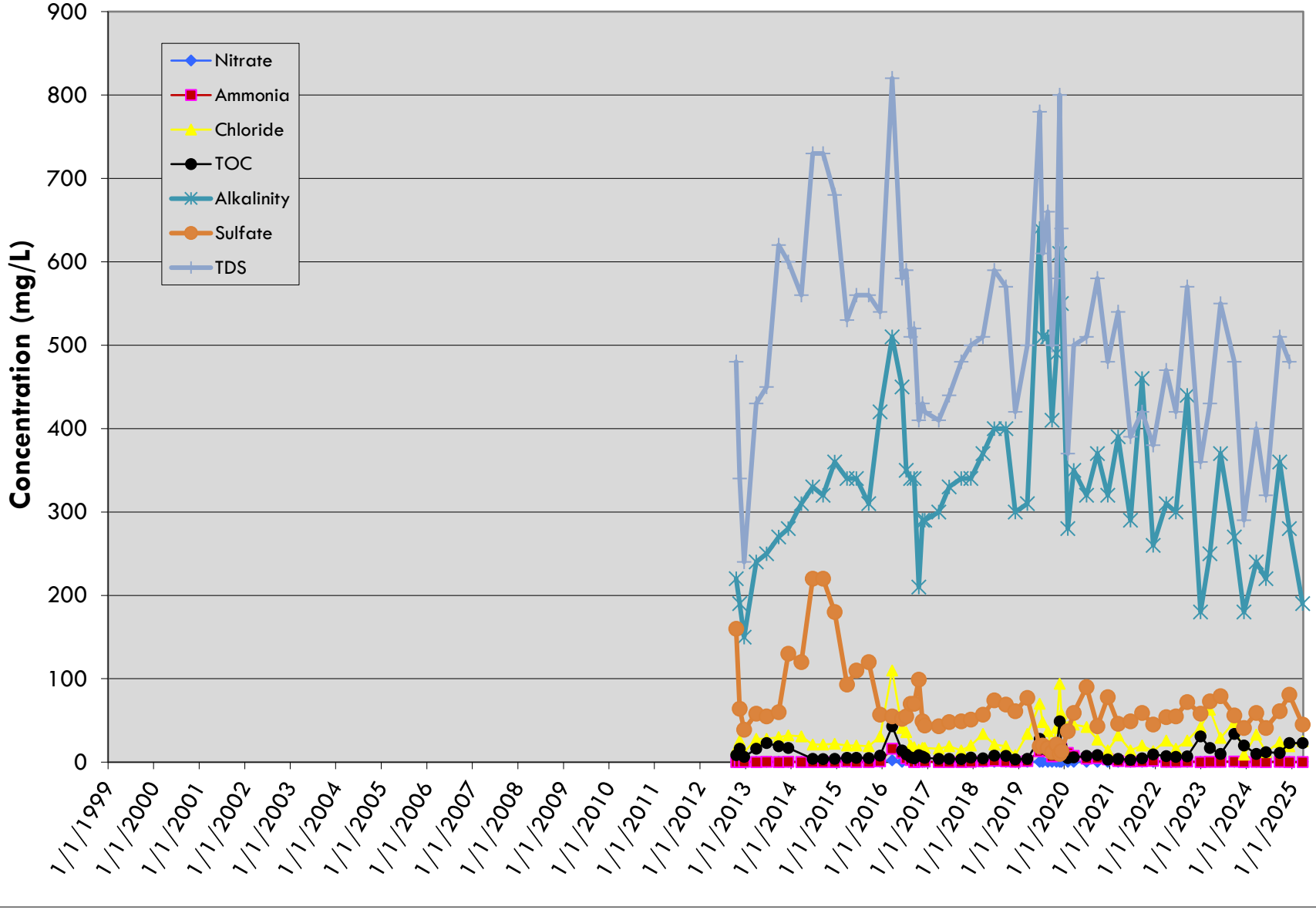
LDCS-4A
LRI Landfill, Pierce County, Washington



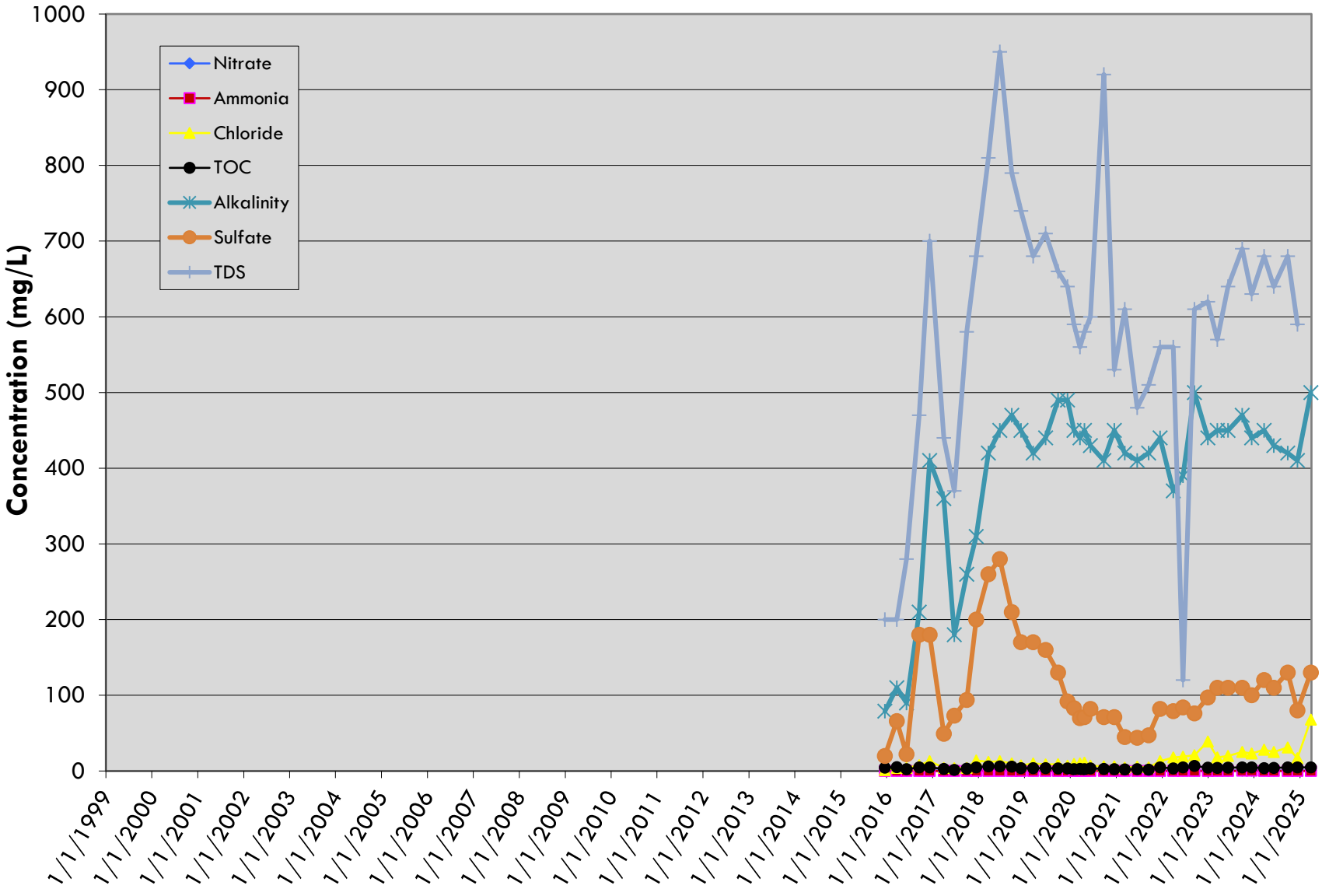
LDCS-4B
LRI Landfill, Pierce County, Washington

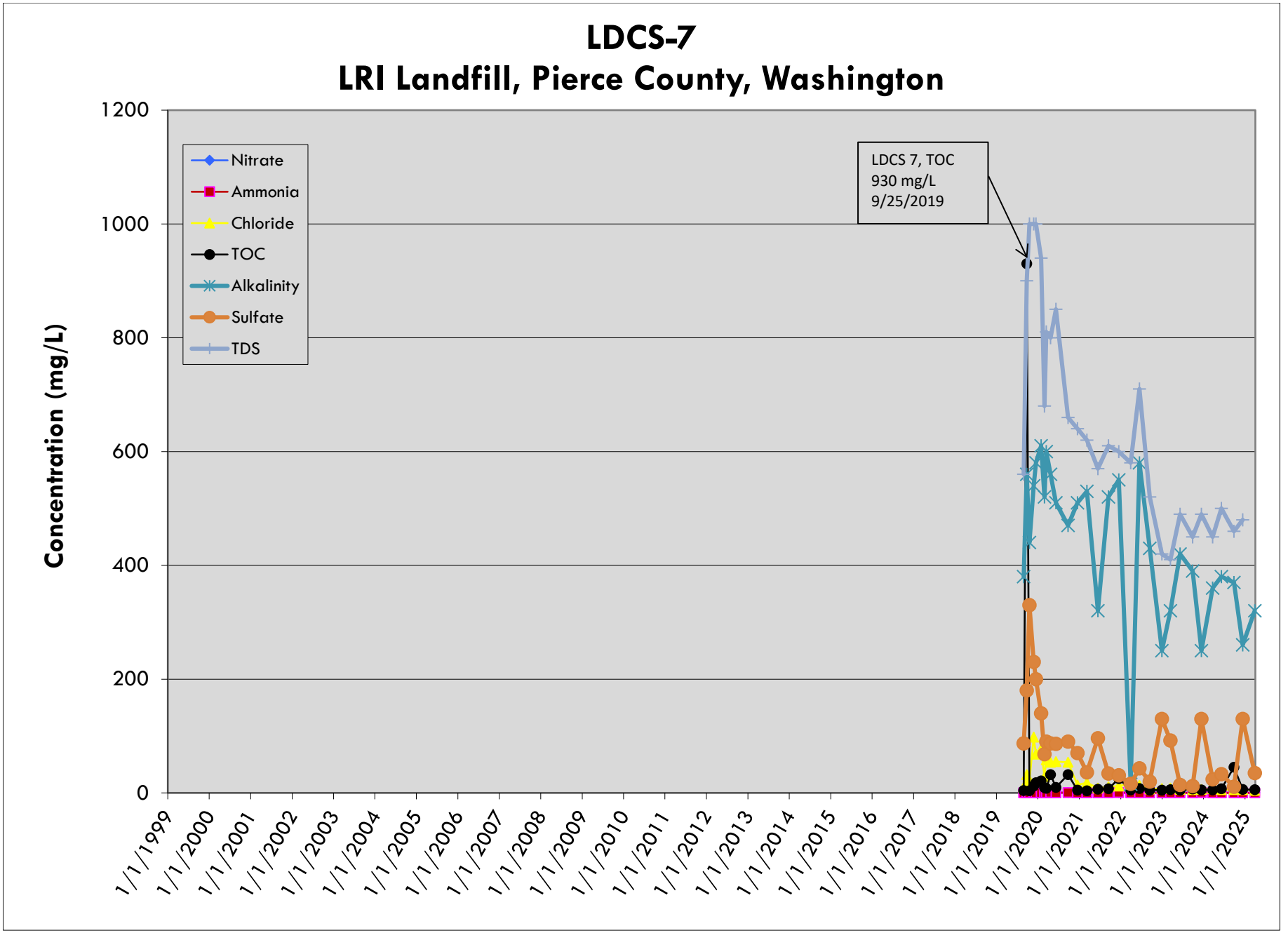


LDCS-5
LRI Landfill, Pierce County, Washington

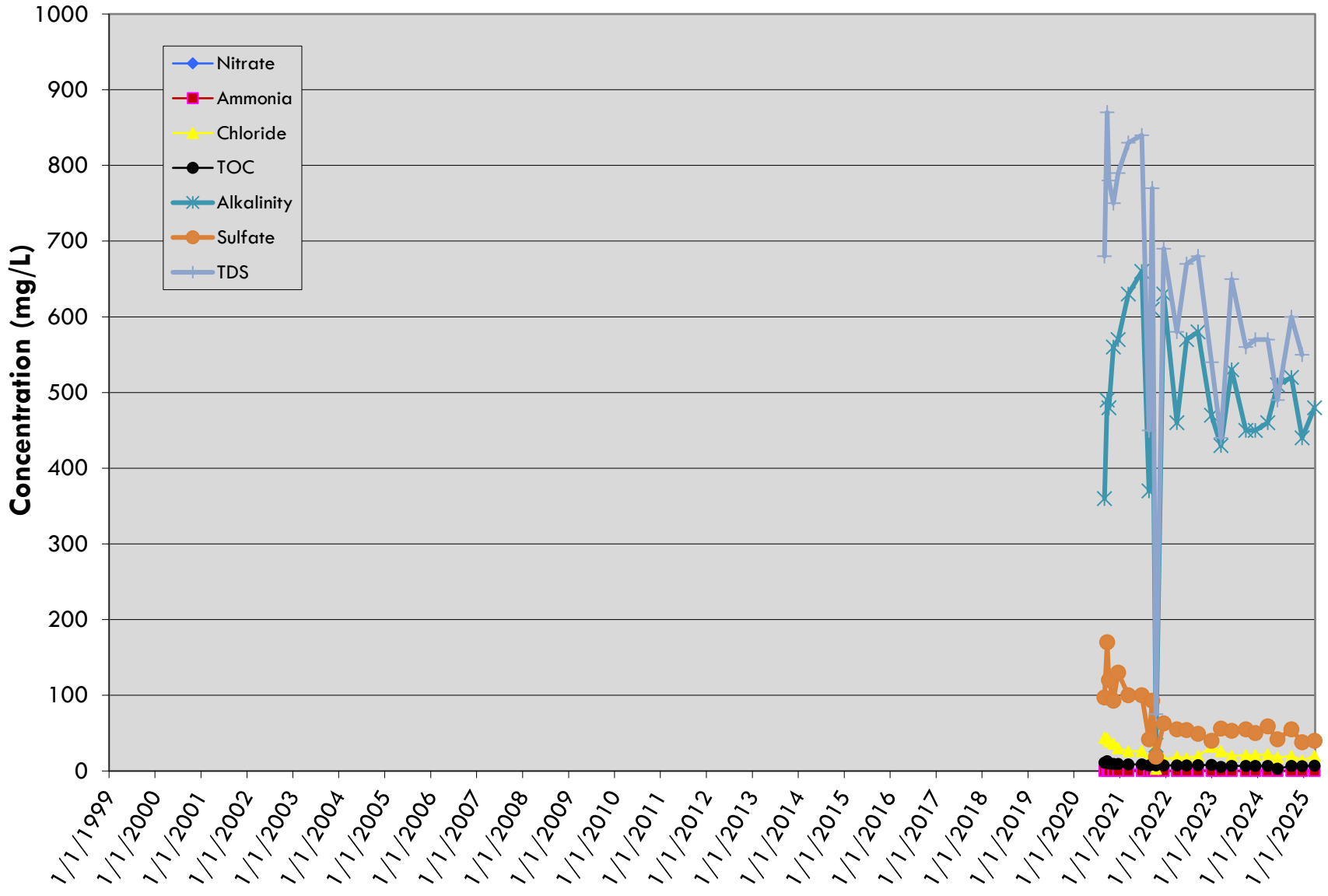


LDCS-6A
LRI Landfill, Pierce County, Washington

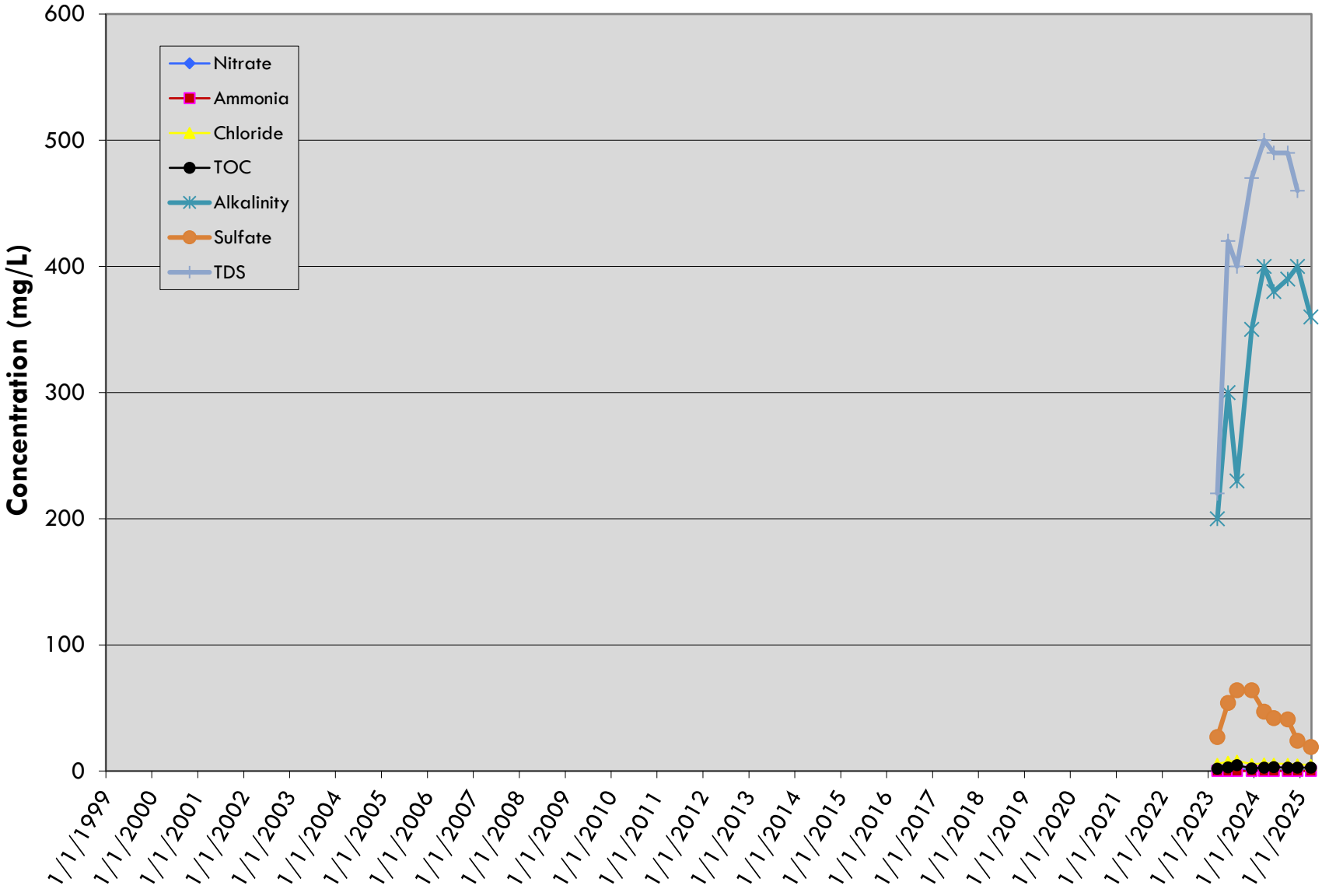



LDCS-7
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
1200
1000
800
600
400
200
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
Sulfate
TDS
LDCS 7, TOC
930 mg/L
9/25/2019
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
1/1/2025

LDCS-8
LRI Landfill, Pierce County, Washington

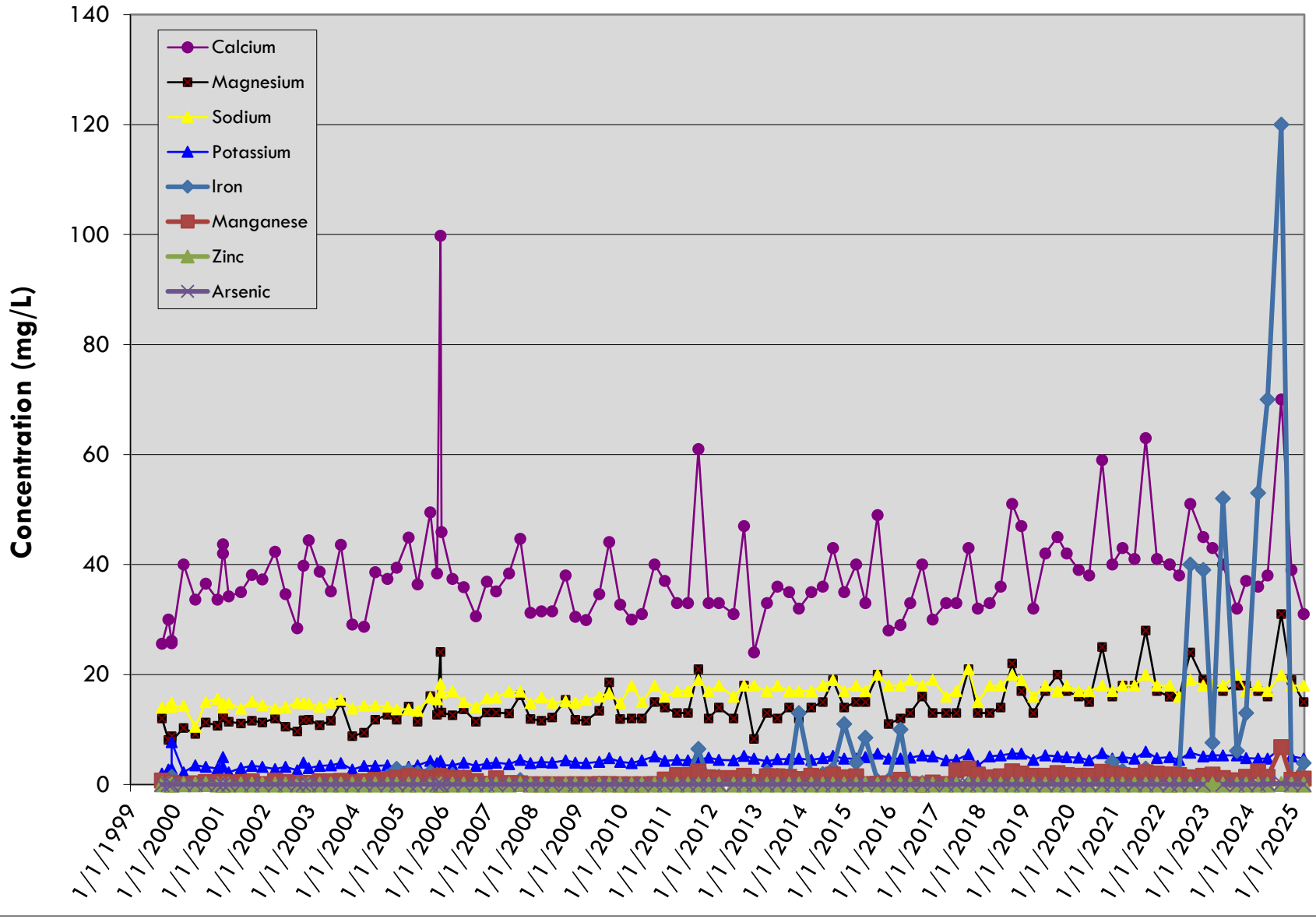


LDCS-9
LRI Landfill, Pierce County, Washington

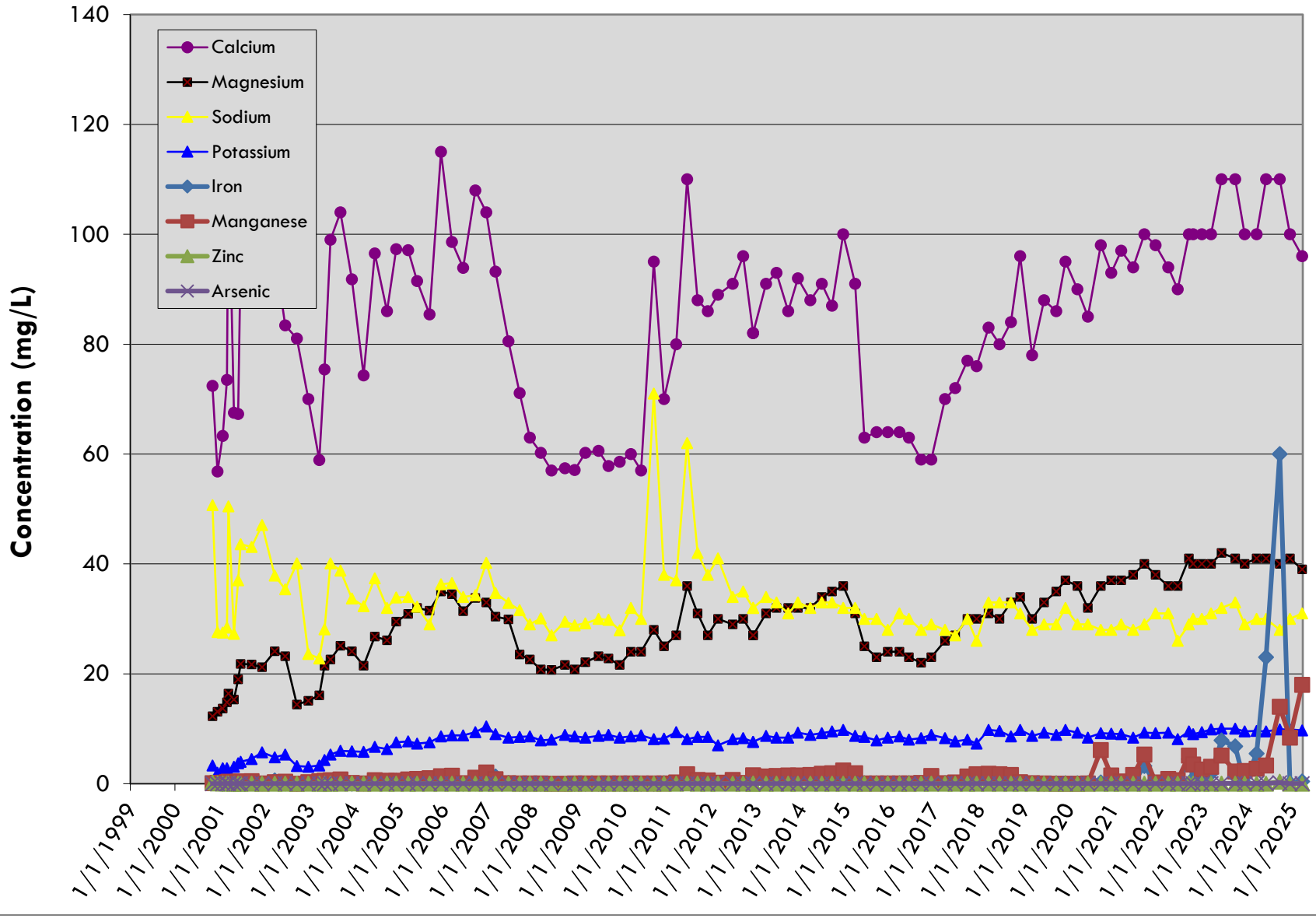


LDCS-1

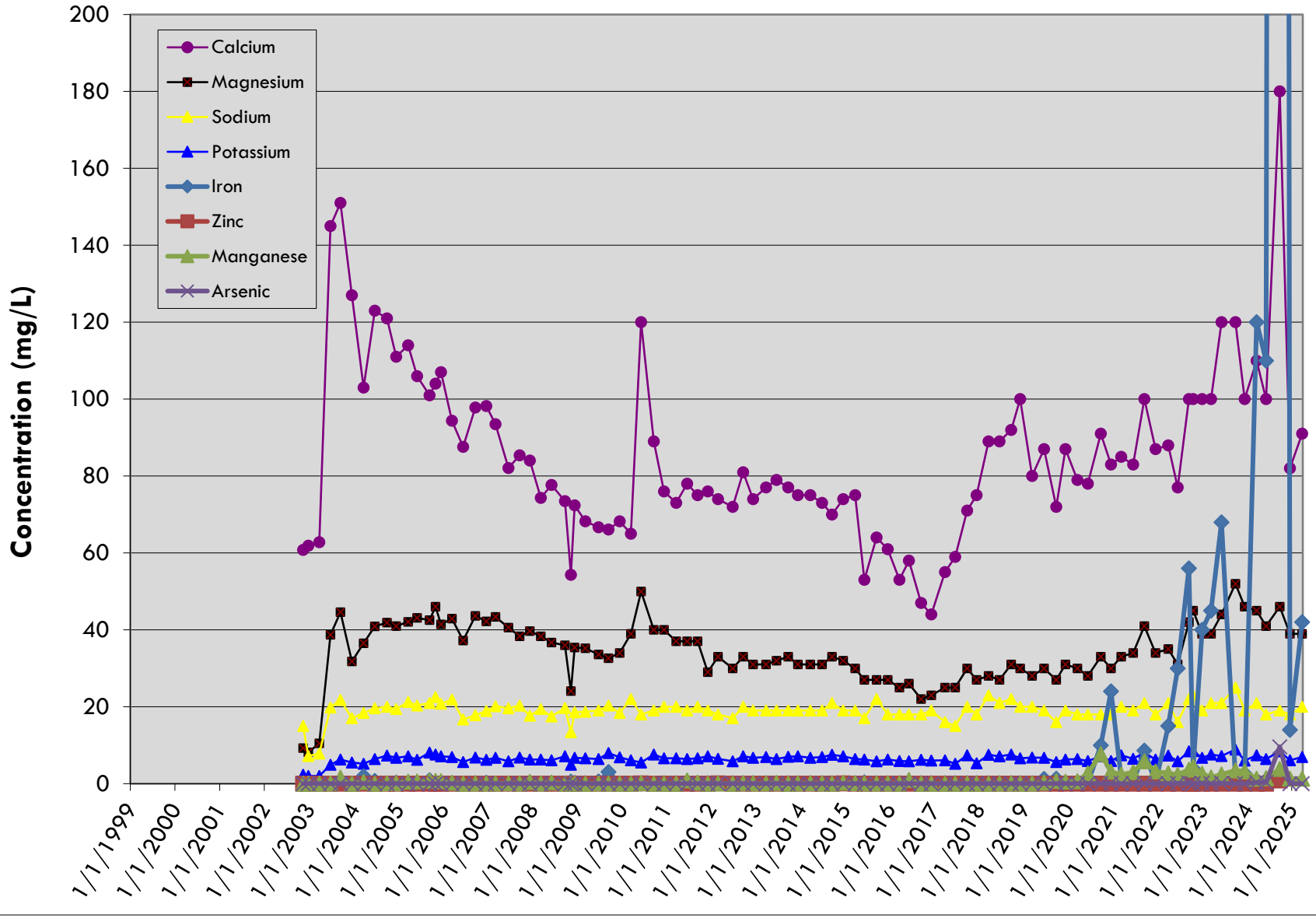
LRI Landfill, Pierce County, Washington



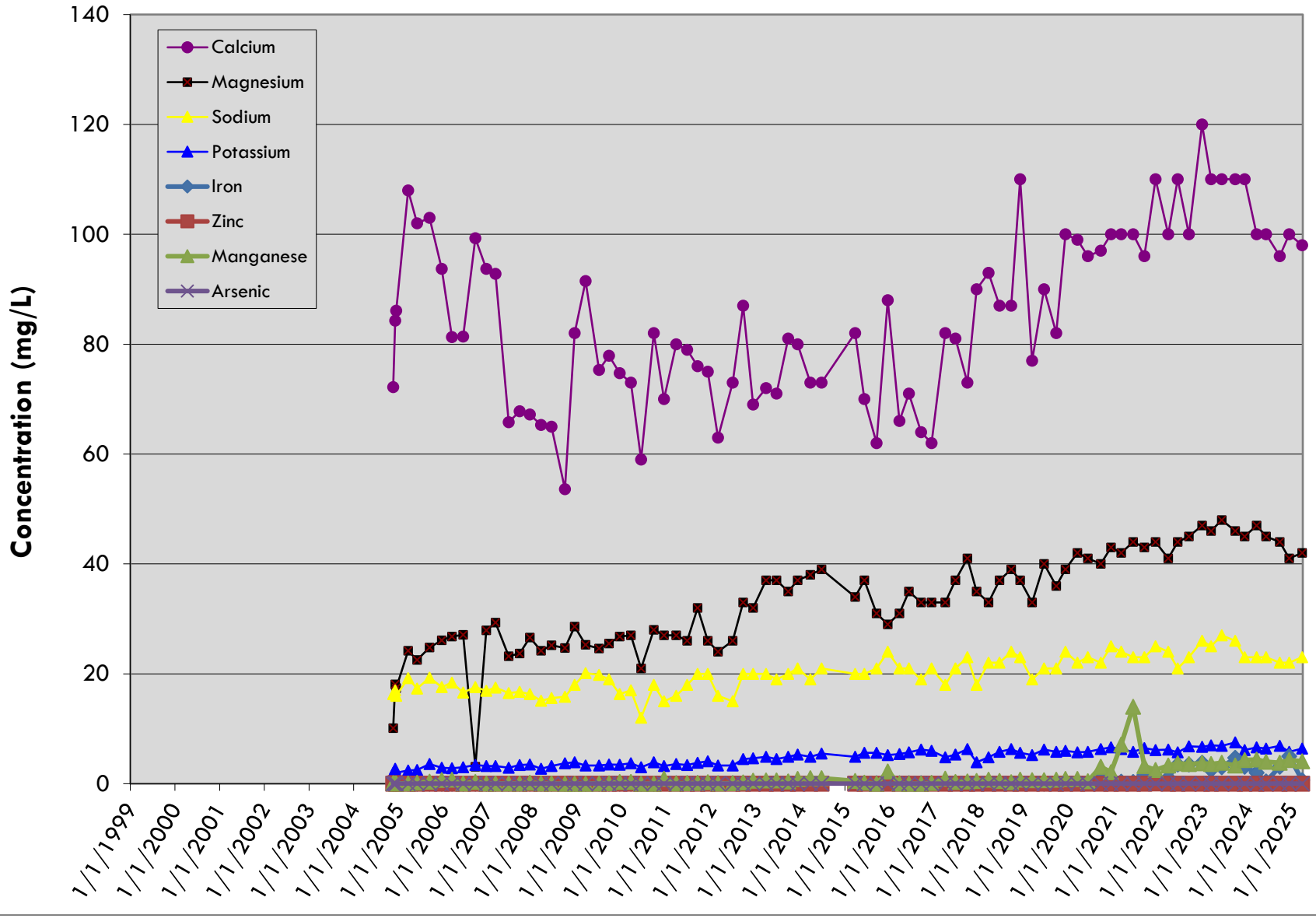
LDCS-2A
LRI Landfill, Pierce County, Washington



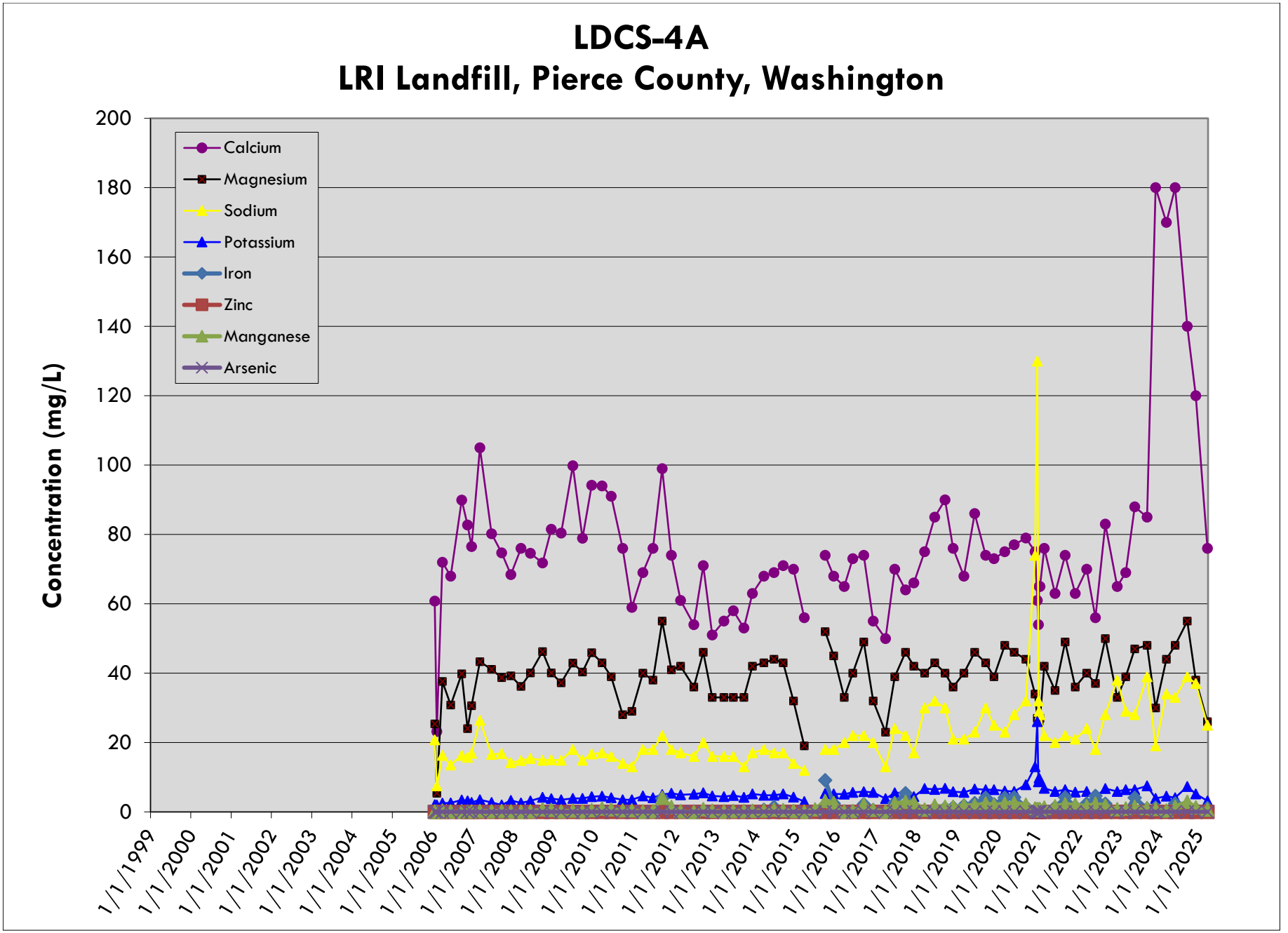
LDCS-2B
LRI Landfill, Pierce County, Washington



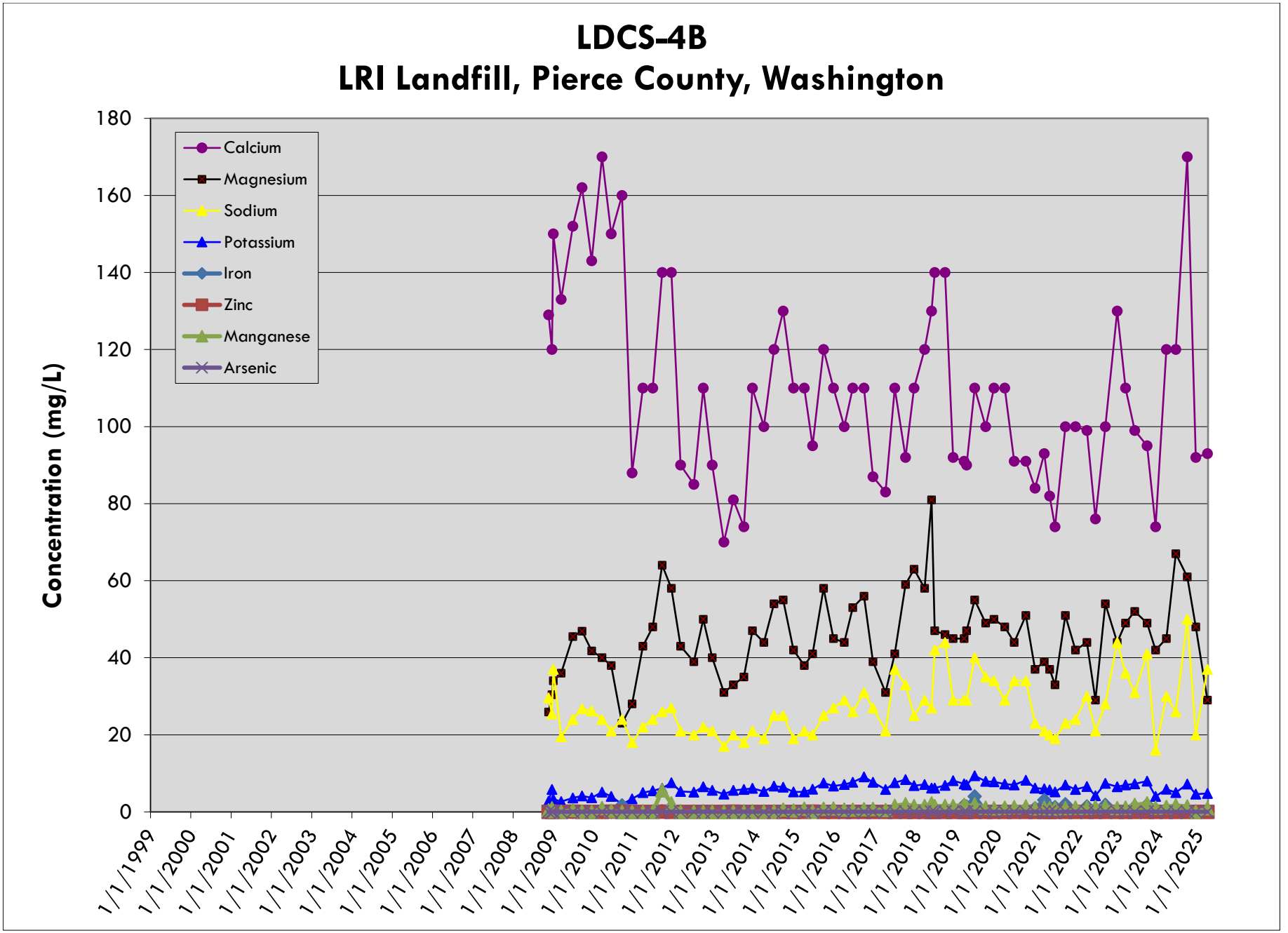
LDCS-3A
LRI Landfill, Pierce County, Washington



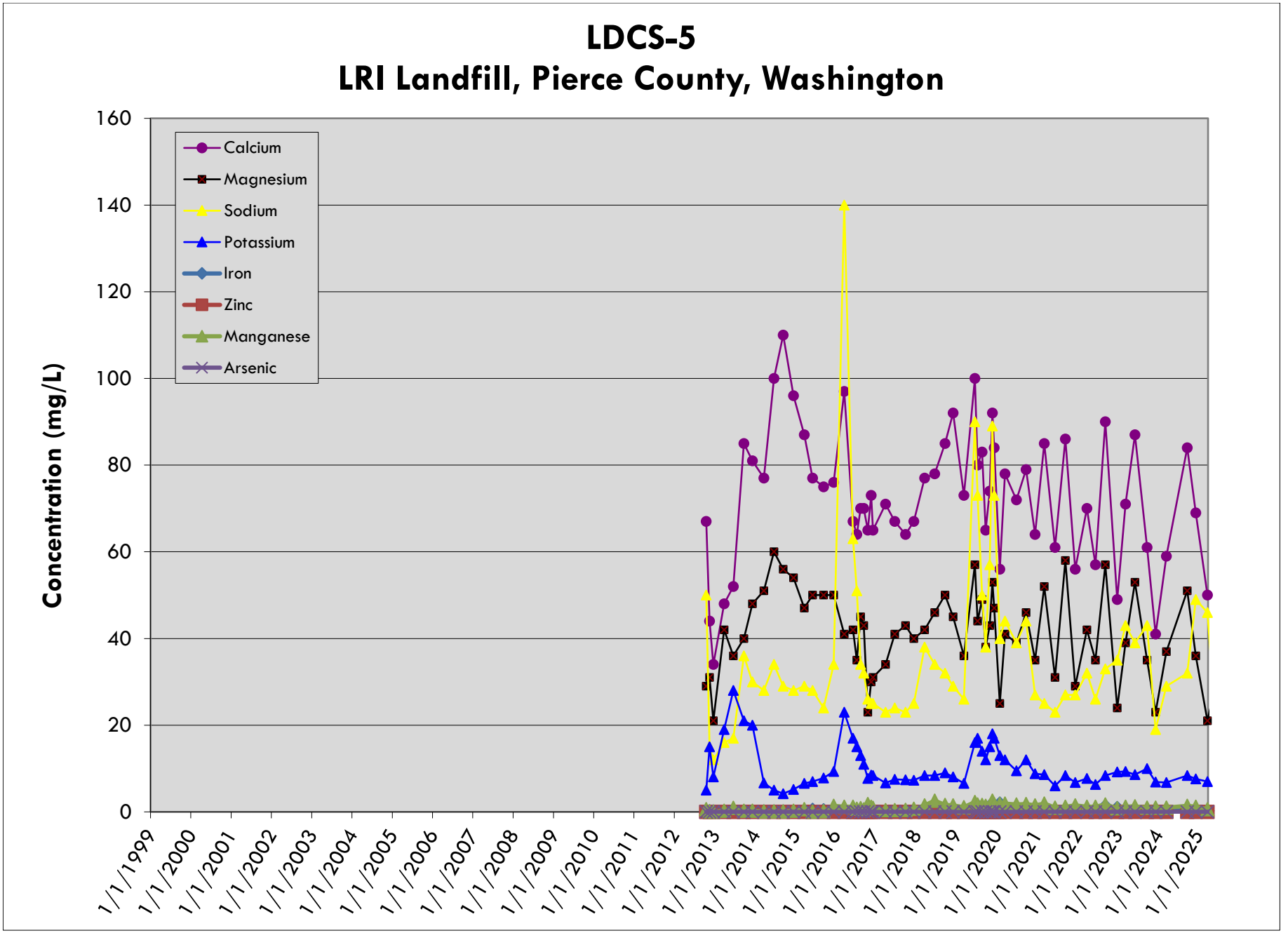
LDCS-4A
LRI Landfill, Pierce County, Washington



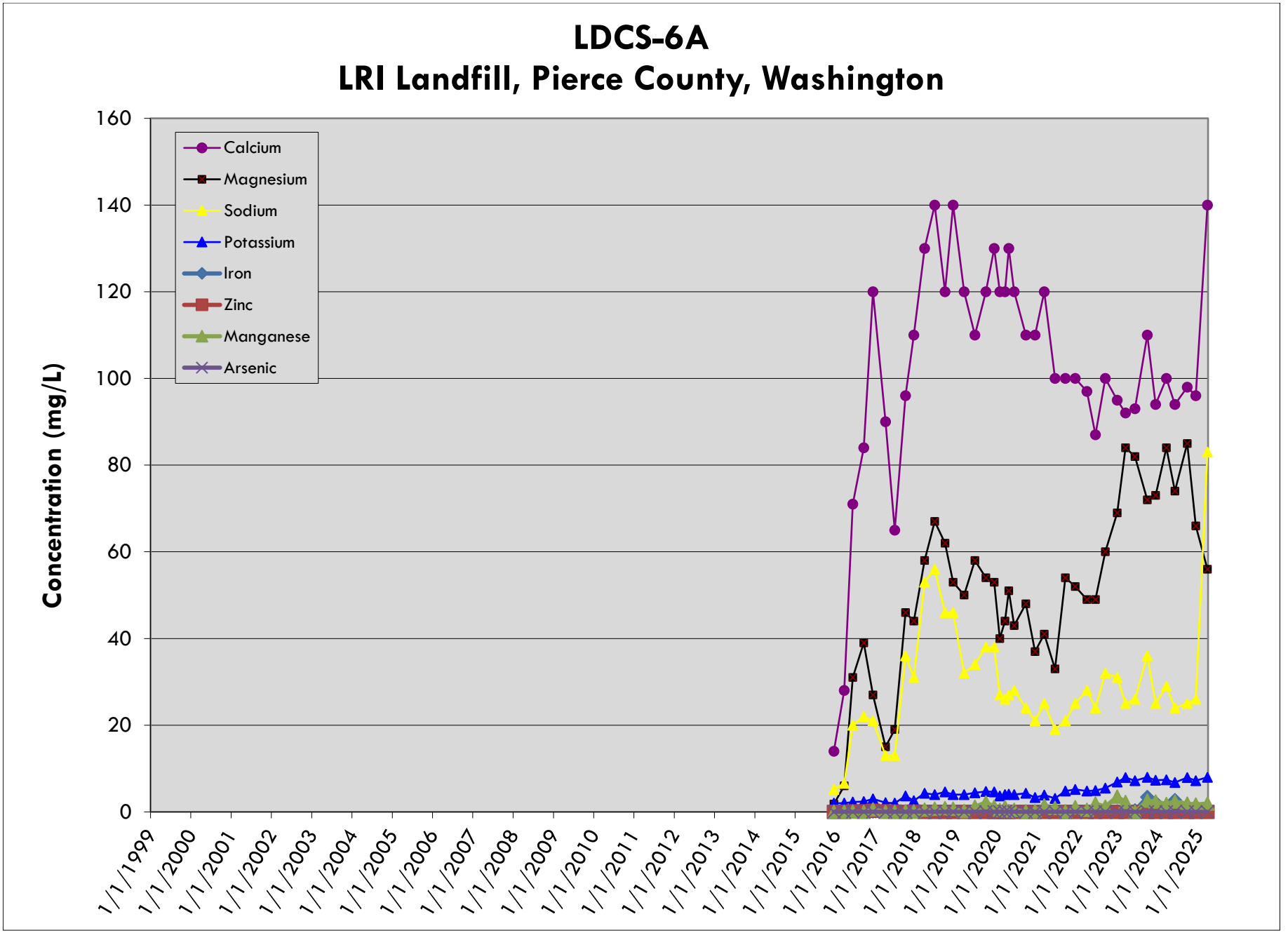
LDCS-4B
LRI Landfill, Pierce County, Washington



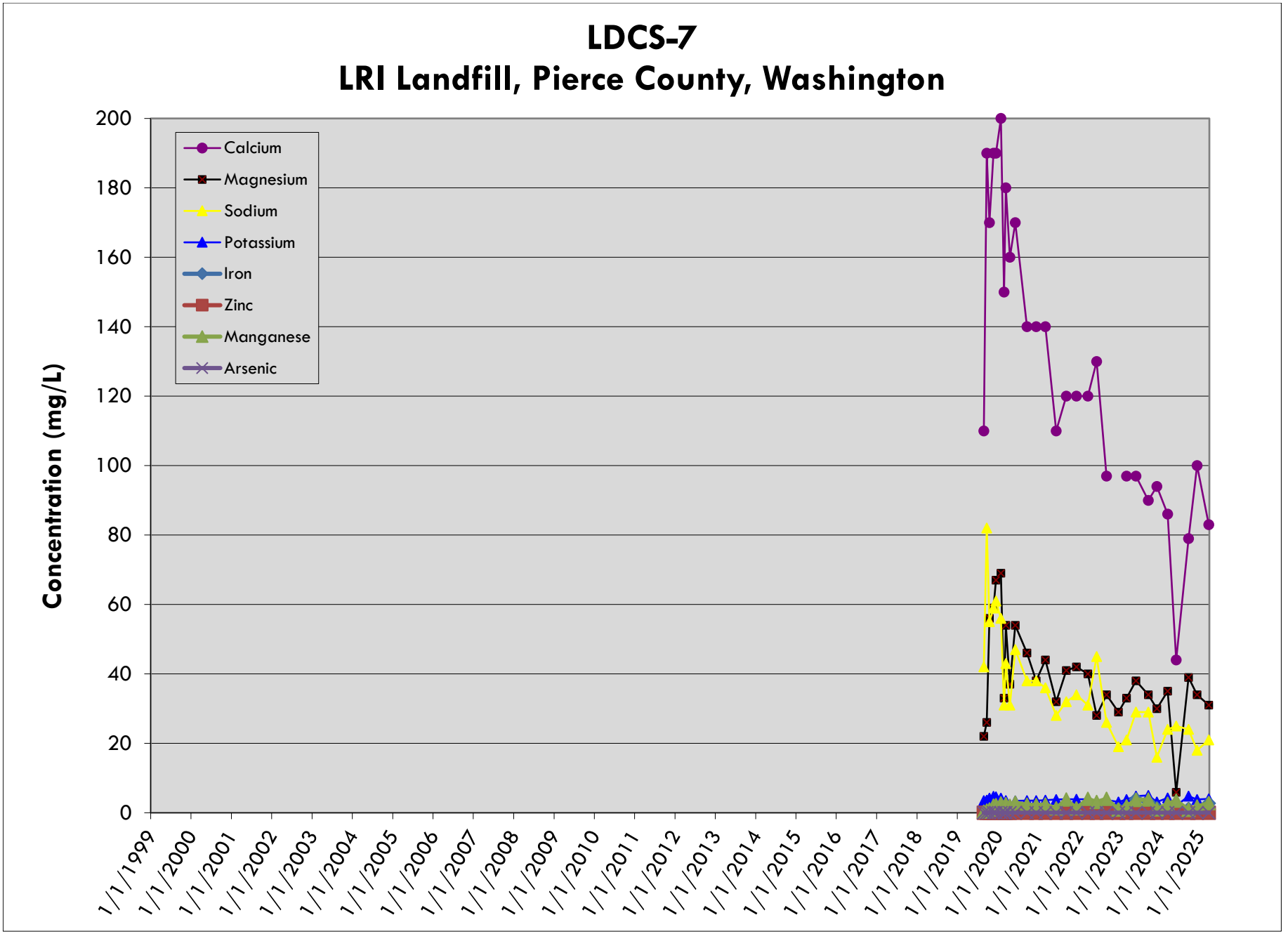
LDCS-5
LRI Landfill, Pierce County, Washington



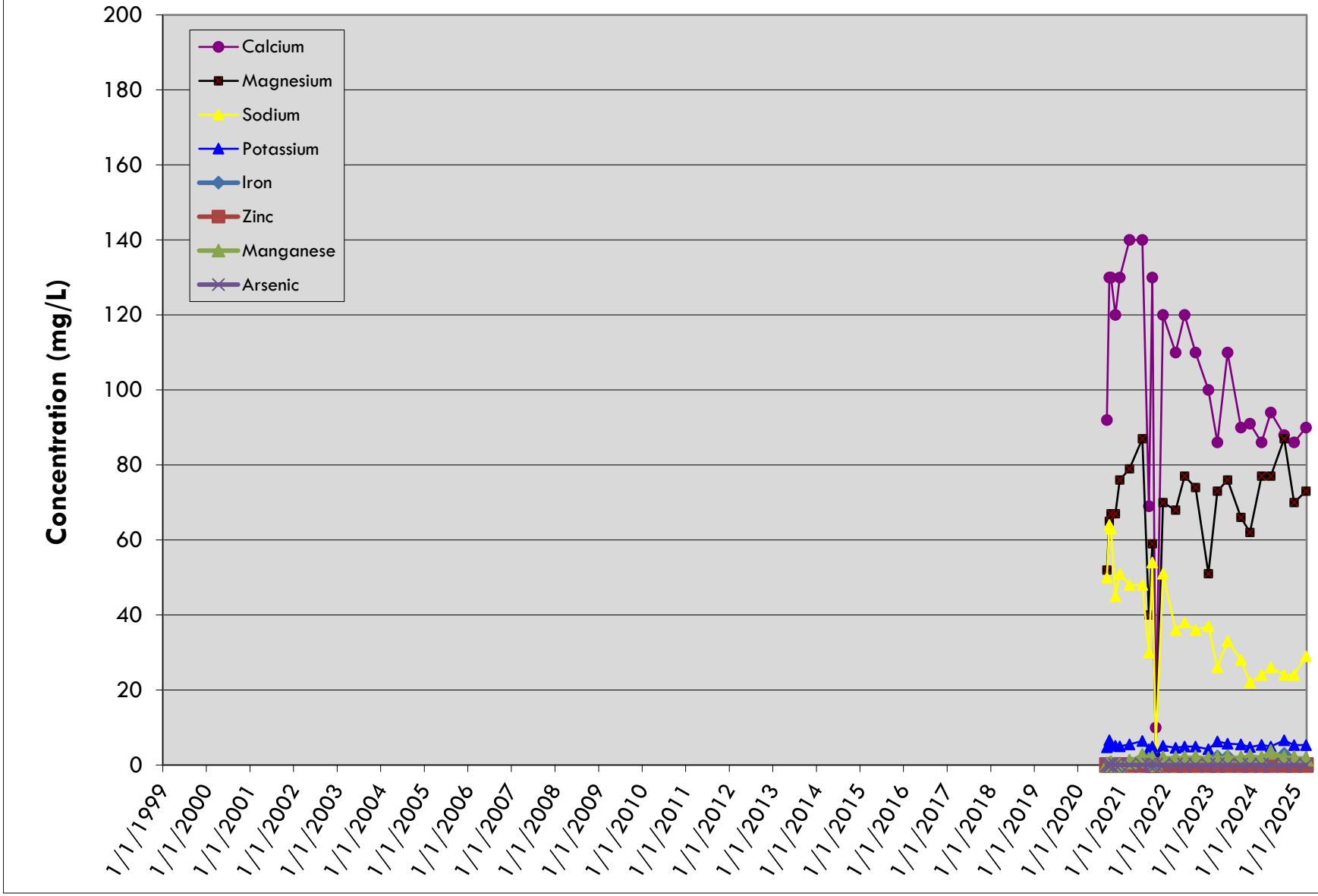
LDCS-6A
LRI Landfill, Pierce County, Washington



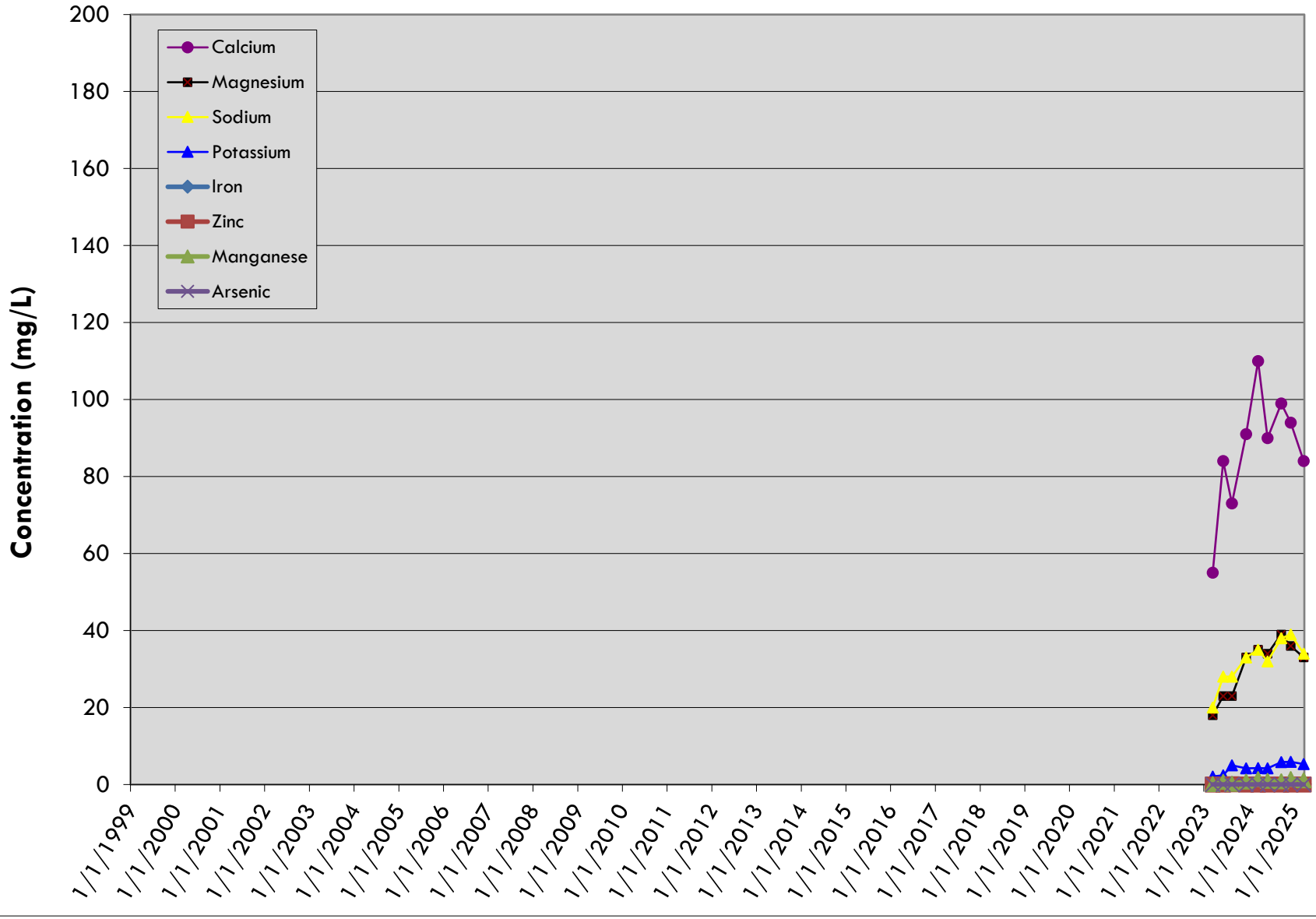
LDCS-7
LRI Landfill, Pierce County, Washington



LDCS-8
LRI Landfill, Pierce County, Washington



LDCS-9
LRI Landfill, Pierce County, Washington



Attachment H

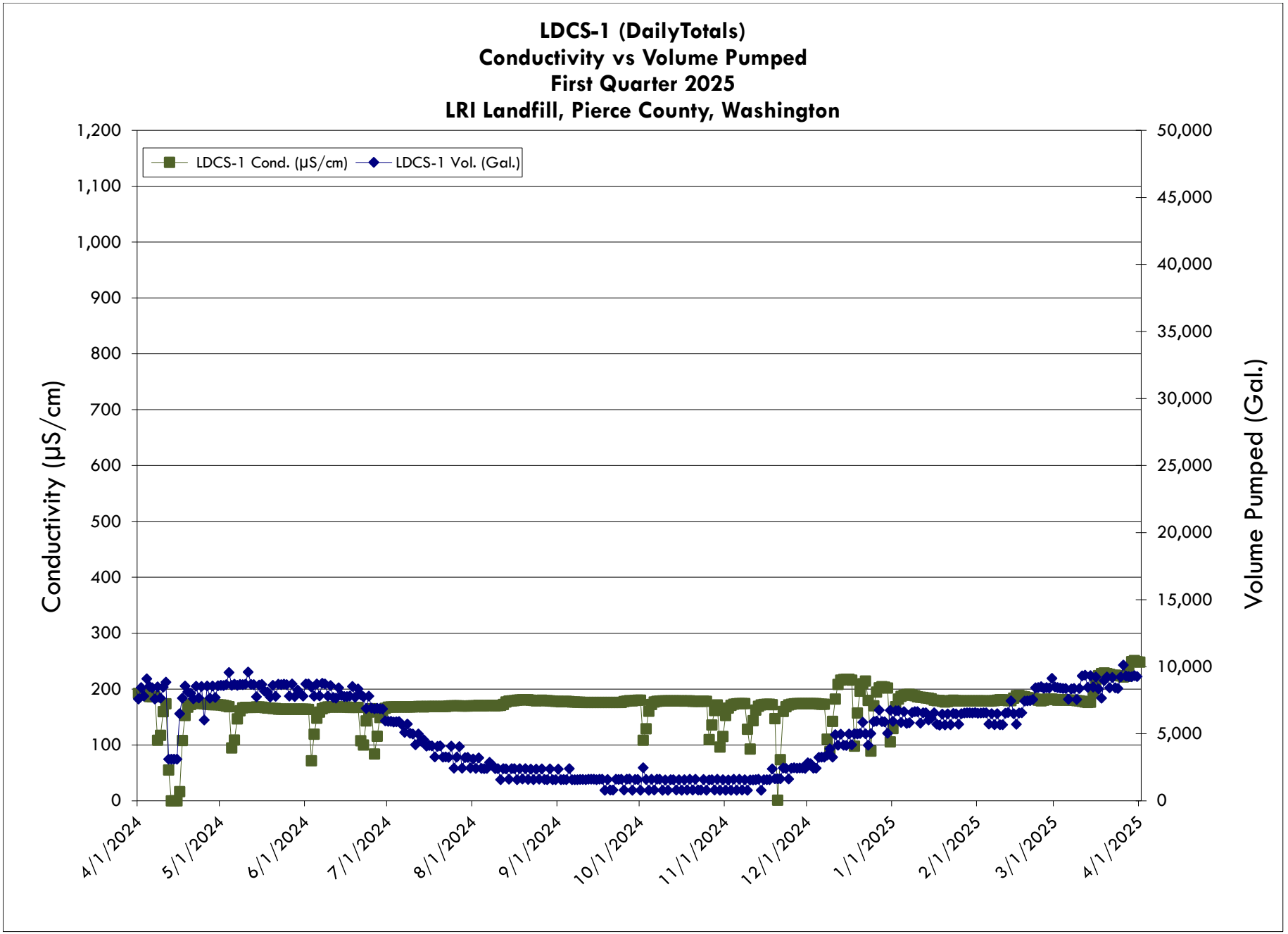
LDCS & Leachate Pumping Records and Conductivity Measurements

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

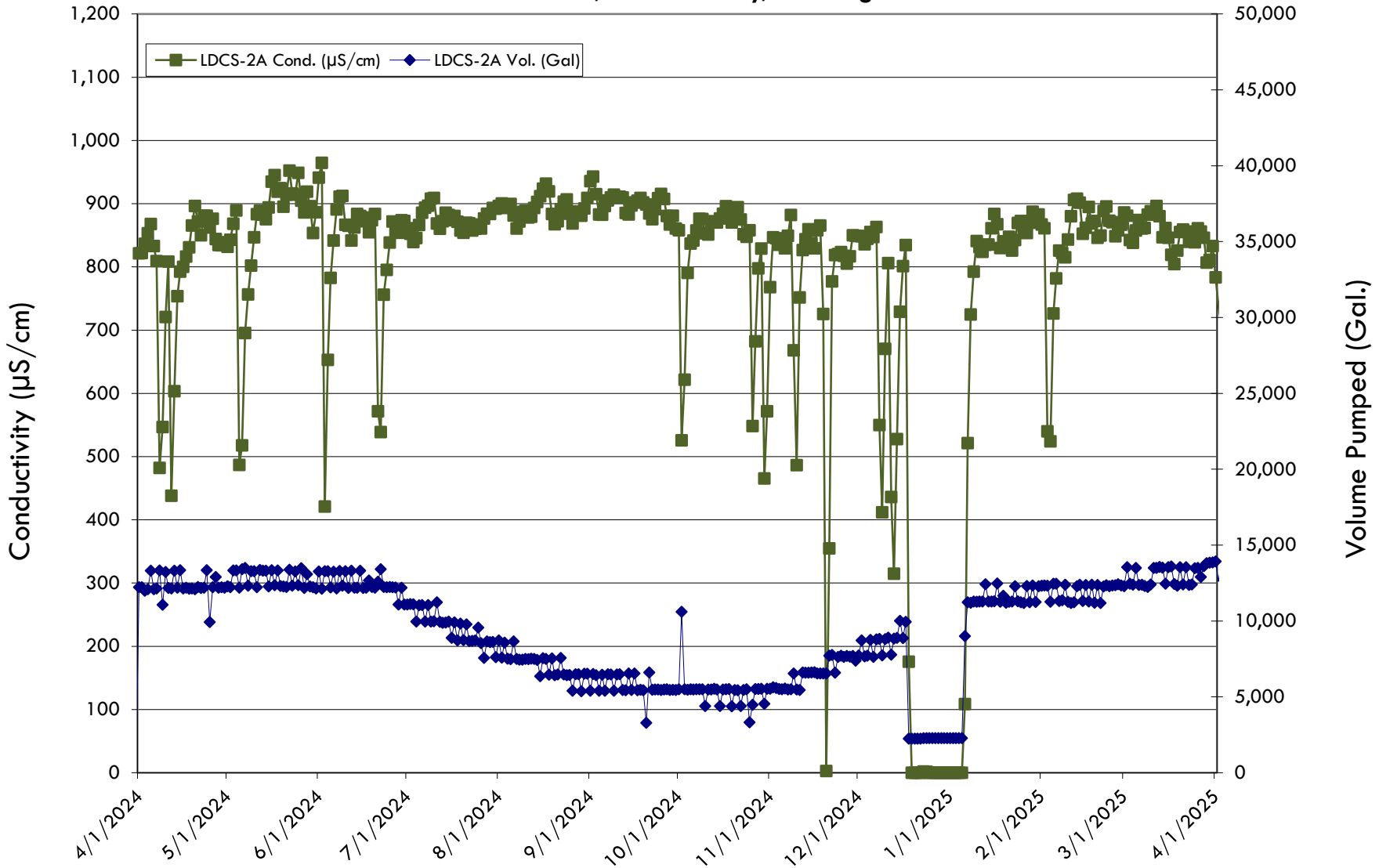
Date	Rainfall	LDCS-1 Vol. (Gal.)	LDCS-1 Cond. (µS/cm)	LDCS-2A Vol. (Gal)	LDCS-2A Cond. (µS/cm)	LDCS-2B Vol. (Gal)	LDCS-2B Cond. (µS/cm)	LDCS-3A Vol. (Gal)	LDCS-3A Cond. (µS/cm)	LDCS-4A Vol. (Gal)	LDCS-4A Cond. (µS/cm)*	LDCS-4B Vol. (Gal)	LDCS-4B Cond. (µS/cm)	LDCS-5 Vol. (Gal)	LDCS-5 Cond. (µS/cm)	LDCS-6 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)*
1/1/2025	0.03	5,920	129	2,280	0	0	694	5,980	835	7,760	1000	28,902	1,557	0	0	0	0	0	0	1,628	-	-	-
1/2/2025	0.01	6,720	169	2,280	0	0	654	5,980	838	7,630	1000	30,212	1,576	8,691	664	0	954	2,110	0	1,901	-	-	-
1/3/2025	0.05	6,710	182	2,280	0	0	638	6,580	841	7,560	1000	30,030	1,577	0	566	3,457	953	5,431	0	1,900	-	-	-
1/4/2025	0.48	5,840	187	2,280	0	0	671	5,970	836	7,490	1000	32,182	1,599	0	0	0	0	0	0	1,626	-	-	-
1/5/2025	0.24	6,650	189	2,280	0	0	650	5,960	833	7,490	1000	37,486	1,565	0	0	0	0	0	0	1,900	-	-	-
1/6/2025	0.00	5,770	190	9,010	109	2,114	637	5,370	832	7,430	1000	36,752	1,573	12,262	689	33	966	6,411	0	1,625	-	-	-
1/7/2025	0.00	5,830	191	11,230	521	663	632	5,980	831	7,400	1000	35,674	1,601	0	532	3,521	894	0	0	1,626	-	-	-
1/8/2025	0.05	6,580	190	11,210	725	0	630	5,360	833	7,350	1000	33,682	1,582	1,420	603	0	911	5,111	0	1,624	-	-	-
1/9/2025	0.00	6,650	188	11,280	792	0	659	5,950	836	7,250	1000	33,060	1,558	1,895	581	0	904	0	0	1,894	-	-	-
1/10/2025	0.00	6,650	186	11,270	841	792	748	5,970	840	7,130	1000	32,356	1,606	0	609	0	905	4,594	0	1,626	-	-	-
1/11/2025	0.14	5,790	185	11,280	831	0	679	5,350	838	7,060	1000	33,214	1,610	0	0	0	0	0	0	1,623	-	-	-
1/12/2025	0.00	6,570	185	11,280	824	0	699	5,380	835	6,960	1000	32,994	1,556	1,035	0	0	0	0	0	1,623	-	-	-
1/13/2025	0.01	6,560	184	12,430	835	2,044	773	4,780	448	6,840	1000	32,348	1,560	3,482	692	762	948	6,310	0	1,629	-	-	-
1/14/2025	0.00	6,020	184	11,290	836	656	831	5,480	332	6,720	1000	32,780	1,586	12	586	2,502	919	169	0	1,625	-	-	-
1/15/2025	0.00	6,160	182	11,290	861	722	813	5,380	501	6,570	1000	33,446	1,572	1,376	714	25	931	0	0	1,630	-	-	-
1/16/2025	0.00	6,560	180	11,300	884	659	805	5,370	717	6,420	1000	29,608	1,548	505	658	1,477	925	5,134	0	1,896	-	-	-
1/17/2025	0.03	5,710	179	12,480	868	661	843	4,790	795	6,350	1000	24,070	1,533	0	662	793	925	0	0	1,623	-	-	-
1/18/2025	0.00	5,640	180	11,260	830	0	886	5,360	821	6,160	1000	21,154	1,828	0	0	0	0	0	0	1,627	-	-	-
1/19/2025	0.00	6,460	178	11,670	841	0	920	4,770	834	6,040	1000	22,800	1,973	579	0	0	0	0	0	1,627	-	-	-
1/20/2025	0.00	5,660	177	11,200	838	1,977	933	4,780	840	5,930	1000	16,470	2,120	66	808	724	960	5,130	0	1,624	-	-	-
1/21/2025	0.00	6,480	178	11,270	848	724	939	4,770	840	5,820	1000	23,342	2,153	4	839	1,865	947	0	0	1,626	-	-	-
1/22/2025	0.00	5,680	179	11,280	826	658	940	4,170	839	5,840	1000	16,084	2,317	15	872	747	941	4,975	0	1,624	-	-	-
1/23/2025	0.00	6,520	180	12,300	842	723	940	4,770	840	6,150	1000	14,250	2,202	12	904	589	946	0	762	1,624	-	-	-
1/24/2025	0.00	6,480	179	11,300	869	655	941	4,170	841	6,050	1000	20,782	1,788	0	932	49	964	0	762	1,620	-	-	-
1/25/2025	0.00	5,700	179	11,240	873	0	939	4,180	841	5,920	1000	14,296	2,006	0	0	0	0	0	0	1,623	-	-	-
1/26/2025	0.00	6,500	179	11,190	862	0	937	4,170	841	5,790	1000	15,976	2,203	0	0	0	0	0	0	1,627	-	-	-
1/27/2025	0.00	6,540	179	12,310	854	1,907	936	4,170	842	5,630	1000	18,088	2,253	0	998	131	1,009	6,284	734	1,621	-	-	-
1/28/2025	0.00	6,560	179	11,240	870	656	935	4,180	843	5,530	1000	15,152	2,295	0	1,000	32	1,017	4,935	734	1,623	-	-	-
1/29/2025	0.00	6,560	179	12,340	887	592	934	4,160	845	5,440	1000	12,980	2,466	0	1,000	24	1,024	0	734	1,620	-	-	-
1/30/2025	0.00	6,540	179	11,250	880	660	933	3,580	845	5,330	1000	12,582	2,498	0	1,000	45	1,026	0	734	1,894	-	-	-
1/31/2025	0.34	6,580	179	12,300	883	662	934	4,770	845	5,220	1000	320	1,967	0	1,000	16	1,036	3,302	797	1,899	-	-	-
2/1/2025	0.06	6,530	179	12,330	867	0	933	4,780	840	5,090	1000	312	1,721	0	0	0	0	0	0	1,907	-	-	-
2/2/2025	0.04	6,550	179	12,340	861	0	932	4,790	833	4,940	1000	264	1,861	0	0	0	0	0	0	1,625	-	-	-
2/3/2025	0.01	6,560	179	12,320	540	2,235	931	4,780	838	4,790	1000	282	2,222	0	1,000	54	1,048	5,791	701	1,900	-	-	-
2/4/2025	0.00	6,570	179	11,260	524	594	932	4,780	843	4,750	1000	118	3,096	0	1,000	25	1,057	5,401	825	1,625	-	-	-
2/5/2025	0.03	5,730	179	12,450	726	729	932	4,800	845	4,640	1000	404	4,175	0	1,000	0	1,061	0	719	1,899	-	-	-
2/6/2025	0.00	6,490	179	12,450	782	727	932	4,780	844	4,480	1000	232	3,897	0	1,000	0	1,060	0	696	1,622	-	-	-
2/7/2025	0.00	5,680	179	11,310	826	725	932	4,780	847	4,320	1000	98	3,874	0	1,000	23	1,064	5,167	825	1,621	-	-	-
2/8/2025	0.05	6,500	180	11,370	822	0	931	4,780	849	4,140	1000	114	3,732	0	0	0	0	0	0	1,620	-	-	-
2/9/2025	0.03	5,670	181	12,390	815	0	929	4,180	852	4,000	1000	176	3,638	0	0	0	0	0	0	1,893	-	-	-
2/10/2025	0.00	5,670	181	11,260	843	2,069	926	4,790	853	3,840	1000	156	3,655	1	1,000	43	1,066	5,281	823	1,623	-	-	-
2/11/2025	0.00	6,530	180	11,190	880	592	924	4,170	851	3,800	1000	136	3,677	0	1,000	4	1,067	0	702	1,625	-	-	-
2/12/2025	0.00	6,580	179	11,240	906	655	921	5,360	848	3,760	1000	80	3,650	0	1,000	3	1,068	0	673	1,893	-	-	-
2/13/2025	0.00	7,450	179	12,290	908	661	918	4,800	844	3,730	1000	44	3,965	0	1,000	49	1,065	5,126	827	1,900	-	-	-
2/14/2025	0.00	6,500	184	12,390	901	660	915	4,200	839	3,710	1000	12	3,885	0	1,000	125	1,071	0	758	1,899	-	-	-
2/15/2025	0.05	5,710	188	11,310	852	0	914	4,760	825	3,580	1000	20	3,233	0	0	0	0	0	0	1,627	-	-	-
2/16/2025	0.35	6,550	188	12,380	862	0	913	4,780	828	3,460	1000	114	2,671	4	0	0	0	0	0	2,163	-	-	-
2/17/2025	0.50	6,570	187	11,290	895	2,121	912	4,780	839	3,340	1000	46	2,272	0	1,000	0	1,070	5,256	790	2,176	-	-	-
2/18/2025	0.01	7,440	186	12,390	869	797	911	4,760	843	3,240	1000	34	2,060	0	1,000	0	1,074	6,316	799	2,164	-	-	-
2/19/2025	0.25	7,460	185	11,210	873	727	910	4,800	846	3,190	1000	262	2,048	0	1,000	0	1,069	0	736	1,890	-	-	-
2/20/2025	0.00	7,470	184	12,370	846	798	907	4,770	837	3,100	1000	68	2,174	0	1,000	1	1,072	4,704	818	1,890	-	-	-
2/21/2025	0.29	7,550	184	11,180	850	727	900	4,770	836	3,020	1000	238	2,321	0	1,000	2	1,072	666	750	1,887	-	-	-
2/22/2025	0.62	8,420	182	12,280	889	0	799	5,350	845	2,970	1000	212	2,509	0	0	0	0	0	0	2,155	-	-	-
2/23/2025	0.56	8,440	180	12,360	896	0	823	5,370	849	2,930	1000	932	2,640	0	0	0	0	0	0	2,456	-	-	-
2/24/2025	0.30	8,510	179	12,300	873	2,408	783	5,940	845	2,900	1000	660	2,598	0	1,000	1	1,074	12,415	710	2,164	-	-	-
2/25/2025	0.73	8,400	180	12,350	871	931	803	5,400	843	2,890	1000	360	2,730	0	1,000	0	1,078	642	667	2,445	-	-	-
2/26/2025	0.00	8,440	182	12,360	848	799	859	5,370	835	2,890	1000	362	3,198	0	1,000	0	1,075	5,937	679	1,889	-	-	-
2/27/2025	0.00	8,410	182	12,420	858	793	878	5,380	839	2,850	1000	216	3,494	0	1,000	8	1,075	0	650	1,886	-	-	-
2/28/2025	0.00	9,130	182	12,340	867	727	883	5,970	846	2,900	1000	288	3,959	0	1,000	5	1,073	591	716	1,885	-	-	-

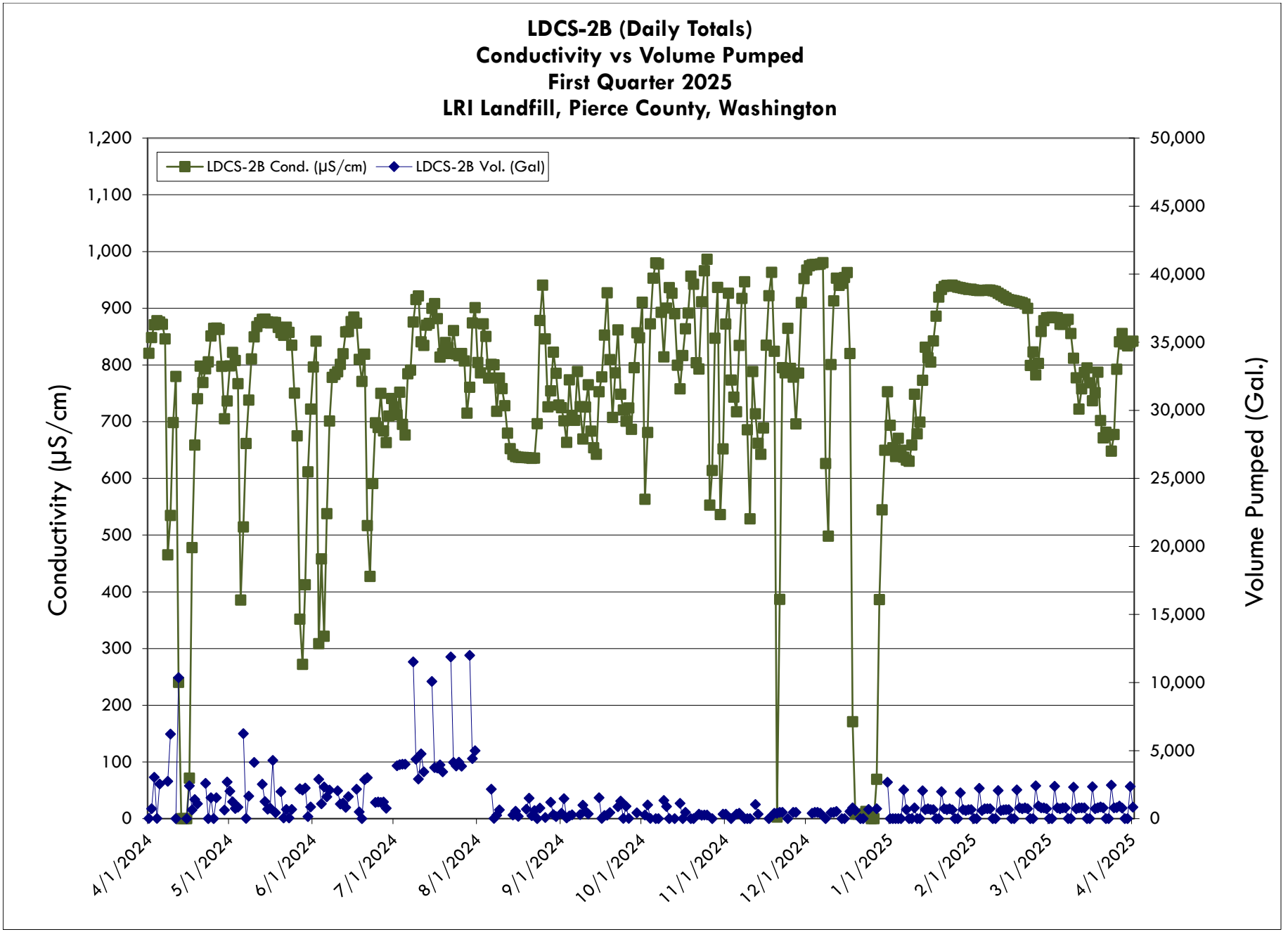
Summary of LDCS Volumes Pumped and Conductivity Data
First Quarter 2025
LRI Landfill, Pierce County, Washington

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)*
3/1/2025	0.00	8,500	181	12,290	886	0	884	5,370	852	2,870	1000	142	4,385	0	0	0	0	0	0	1,887	-	-	-
3/2/2025	0.09	8,440	180	13,540	881	0	884	5,970	855	2,860	1000	318	3,772	0	0	0	0	0	0	1,887	-	-	-
3/3/2025	0.02	8,410	180	12,450	843	2,385	884	5,380	852	2,850	1000	86	3,620	0	1,000	5	1,071	6,784	664	2,163	-	-	-
3/4/2025	0.22	8,380	181	12,390	838	795	883	5,370	851	2,540	526	140	2,507	0	1,000	0	1,075	5,455	0	2,161	-	-	-
3/5/2025	0.00	8,380	181	13,490	858	729	872	5,370	852	2,480	662	154	3,739	0	1,000	0	1,077	0	674	1,890	-	-	-
3/6/2025	0.00	7,570	180	12,380	874	791	872	5,990	853	2,470	876	376	4,793	0	1,000	0	1,077	5,408	815	1,889	-	-	-
3/7/2025	0.00	8,350	180	12,390	861	797	878	5,370	851	2,430	954	24	5,213	0	1,000	0	1,077	0	728	1,889	-	-	-
3/8/2025	0.03	8,380	180	12,310	861	0	881	5,360	852	2,400	983	54	5,138	0	0	0	0	0	0	2,158	-	-	-
3/9/2025	0.56	7,560	179	12,250	883	0	856	4,760	852	2,270	994	38	5,242	0	0	0	0	0	0	1,892	-	-	-
3/10/2025	0.00	8,370	179	12,410	888	2,314	812	5,380	851	2,330	998	178	5,711	0	1,000	0	1,085	5,007	707	2,166	-	-	-
3/11/2025	0.03	9,310	178	13,500	884	728	777	5,970	846	2,270	999	122	6,018	0	1,000	0	1,083	6,016	743	2,159	-	-	-
3/12/2025	0.32	9,370	177	13,500	897	794	722	5,350	842	2,230	1000	288	6,058	0	1,000	0	1,085	0	675	2,432	-	-	-
3/13/2025	0.58	8,460	176	13,560	880	796	758	5,990	839	2,200	1000	246	6,337	0	1,000	0	1,086	6,228	759	2,459	-	-	-
3/14/2025	0.02	9,330	177	13,520	847	794	787	5,380	832	2,170	1000	504	6,905	0	1,000	1	1,088	2,460	763	2,167	-	-	-
3/15/2025	0.64	8,480	194	12,450	862	0	795	5,990	832	2,150	1000	182	7,025	10,735	0	0	0	0	0	2,443	-	-	-
3/16/2025	0.17	9,240	216	13,540	846	0	769	5,400	835	2,110	1000	108	7,216	19,490	0	0	0	0	0	2,444	-	-	-
3/17/2025	0.25	8,350	224	13,600	819	2,344	737	5,380	840	2,080	1000	238	7,117	19,298	1,000	0	1,100	13,682	652	2,160	-	-	-
3/18/2025	0.00	7,650	228	12,440	804	731	751	5,370	842	2,050	1000	86	6,813	19,244	1,000	2	1,096	0	618	1,889	-	-	-
3/19/2025	0.03	8,960	229	12,320	826	795	787	5,340	845	2,010	1000	0	6,605	11,811	1,000	0	1,100	4,611	741	2,161	-	-	-
3/20/2025	0.19	9,230	228	13,550	855	862	702	5,370	847	1,980	1000	52	6,448	1,553	1,000	0	1,102	840	684	2,167	-	-	-
3/21/2025	0.36	8,420	226	12,400	859	797	671	5,370	846	1,960	1000	170	6,762	2,785	1,000	0	1,105	0	641	2,167	-	-	-
3/22/2025	0.02	9,200	225	13,540	856	0	681	5,360	842	1,950	1000	188	7,012	2,609	0	0	0	0	0	2,164	-	-	-
3/23/2025	0.72	8,420	225	12,380	840	0	676	4,770	842	1,930	1000	414	6,738	3,935	0	0	0	0	0	2,443	-	-	-
3/24/2025	0.40	8,380	224	12,400	843	2,461	648	5,340	848	1,920	1000	352	6,114	4,200	1,000	0	1,101	14,588	749	2,725	-	-	-
3/25/2025	0.00	9,240	224	13,480	839	795	677	5,310	851	1,910	1000	470	5,298	2,640	1,000	1,216	1,098	1,371	645	2,428	-	-	-
3/26/2025	0.48	10,130	221	13,490	861	817	793	5,350	857	1,920	1000	2,908	4,945	1,436	1,000	8,428	1,383	5,976	693	2,159	-	-	-
3/27/2025	0.07	9,300	223	12,910	856	926	841	5,350	849	1,900	1000	2,608	5,036	3,738	1,000	0	1,365	0	667	3,083	-	-	-
3/28/2025	0.16	9,270	239	13,620	846	786	856	4,770	845	1,890	1000	132	5,377	1,404	1,000	0	1,356	6,460	701	2,276	-	-	-
3/29/2025	0.07	9,250	249	13,810	807	0	837	5,350	844	1,880	1000	52	5,741	1,080	0	0	0	0	0	1,692	-	-	-
3/30/2025	0.08	9,340	251	13,850	811	0	834	5,340	847	1,850	1000	88	5,676	800	0	0	0	0	0	2,270	-	-	-
3/31/2025	0.20	9,270	249	13,860	833	2,364	840	4,780	858	1,810	1000	88	5,413	722	1,000	0	1,276	5,606	667	2,253	-	-	-


LDCS-1 (DailyTotals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-1 Cond. (µS/cm)
LDCS-1 Vol. (Gal.)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

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




LDCS-2B (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-2B Cond. (µS/cm)
LDCS-2B Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
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11/1/2024
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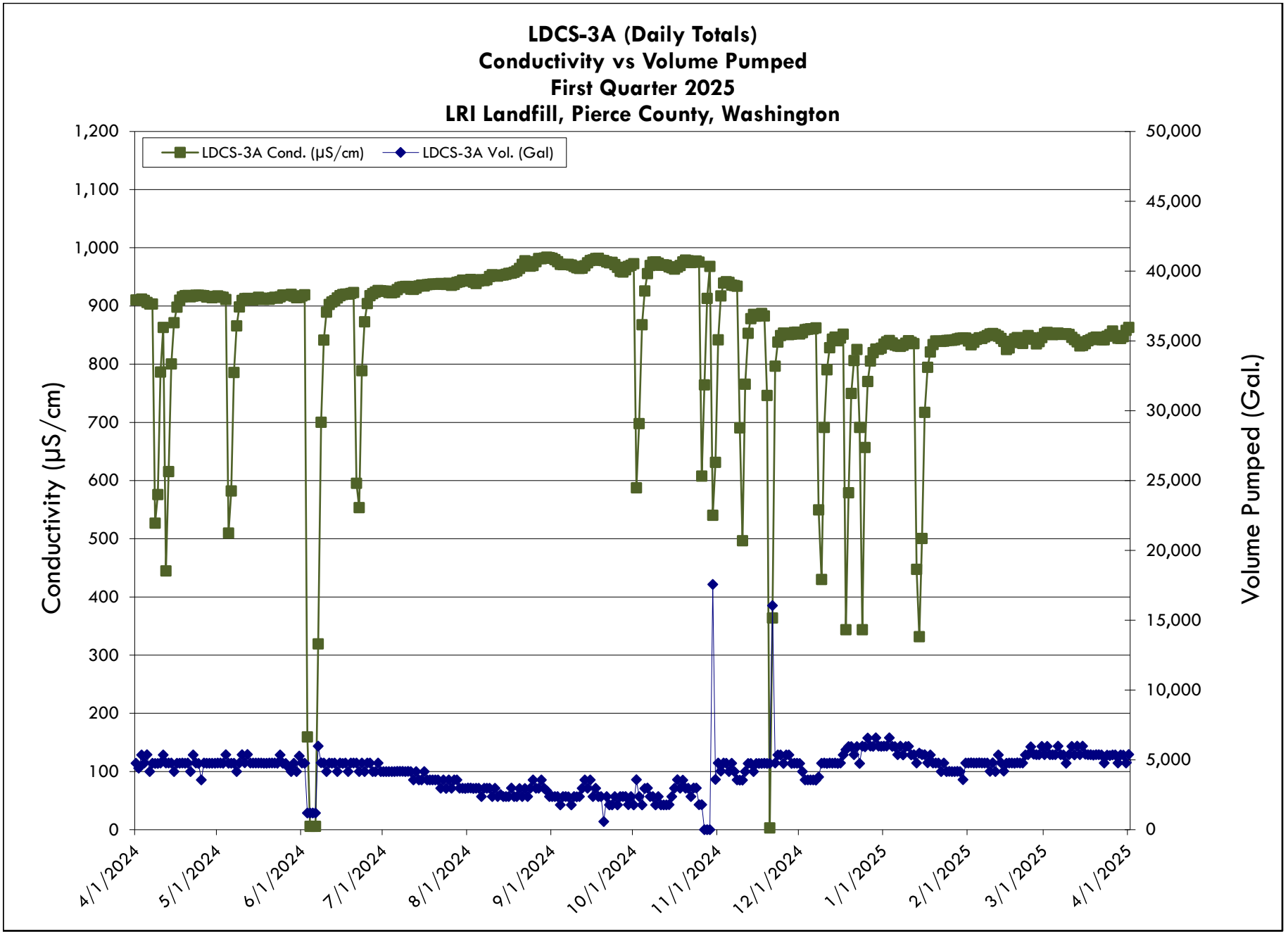
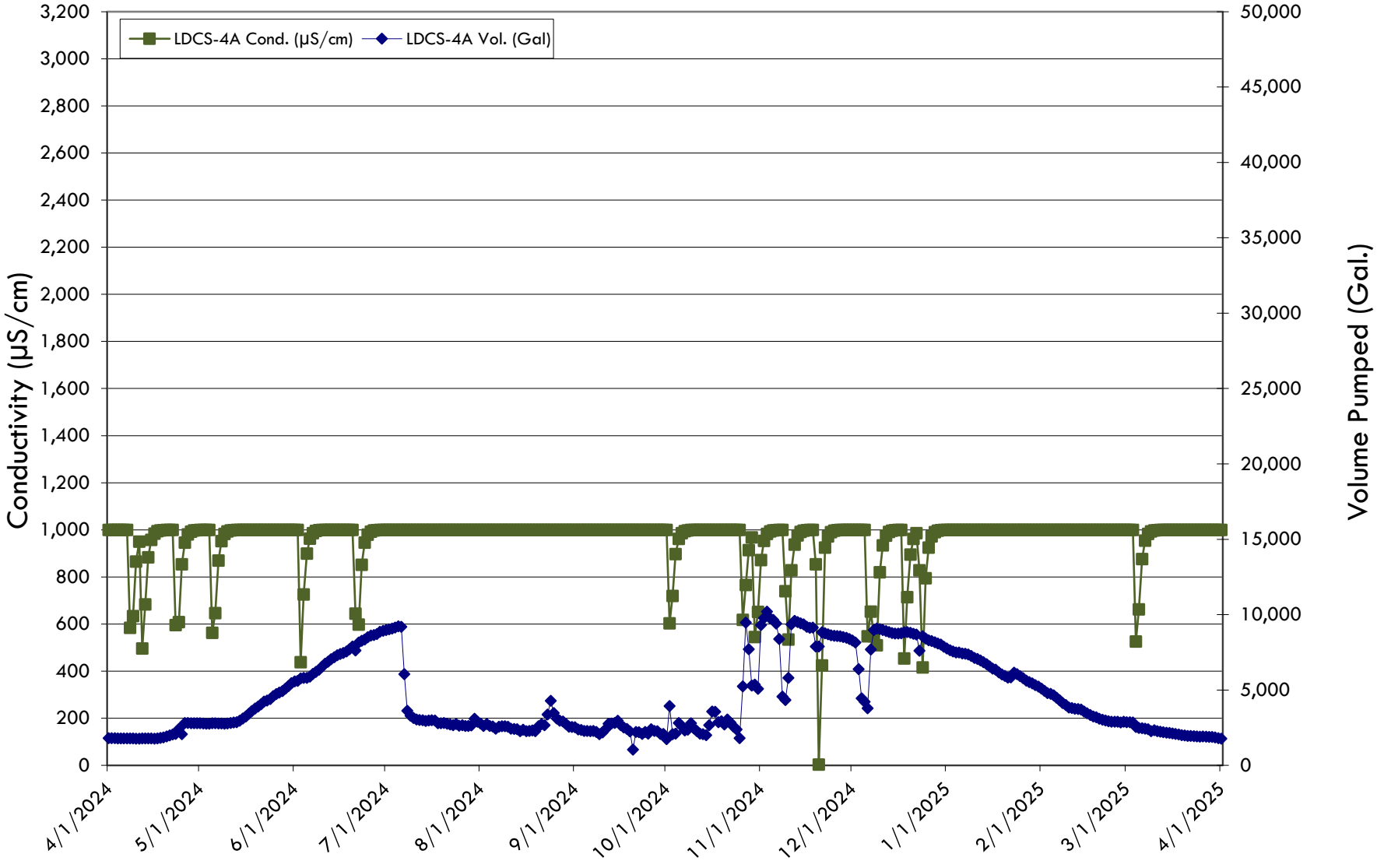
1/1/2025
2/1/2025
3/1/2025
4/1/2025

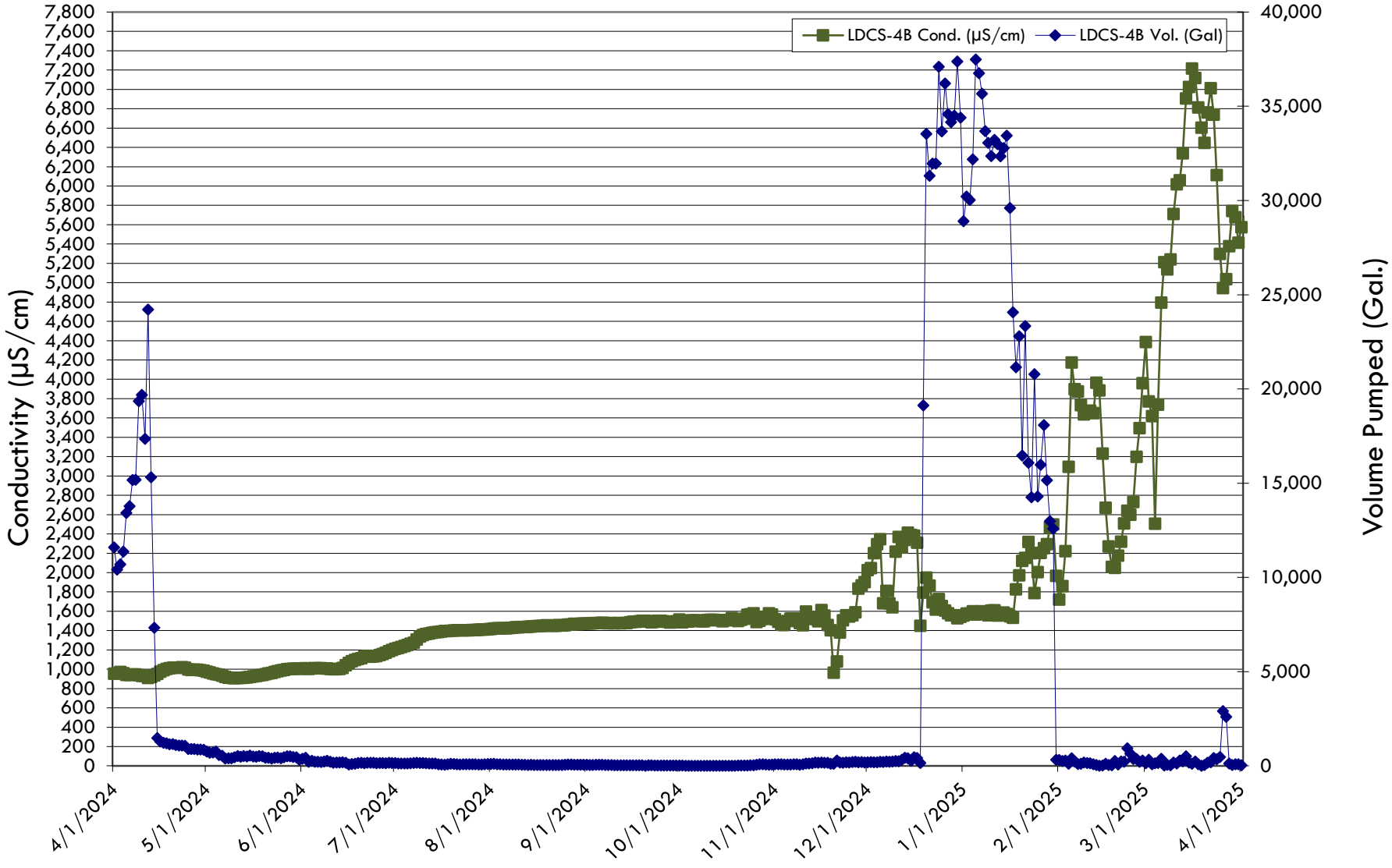

LDCS-3A (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-3A Cond. (µS/cm)
LDCS-3A Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

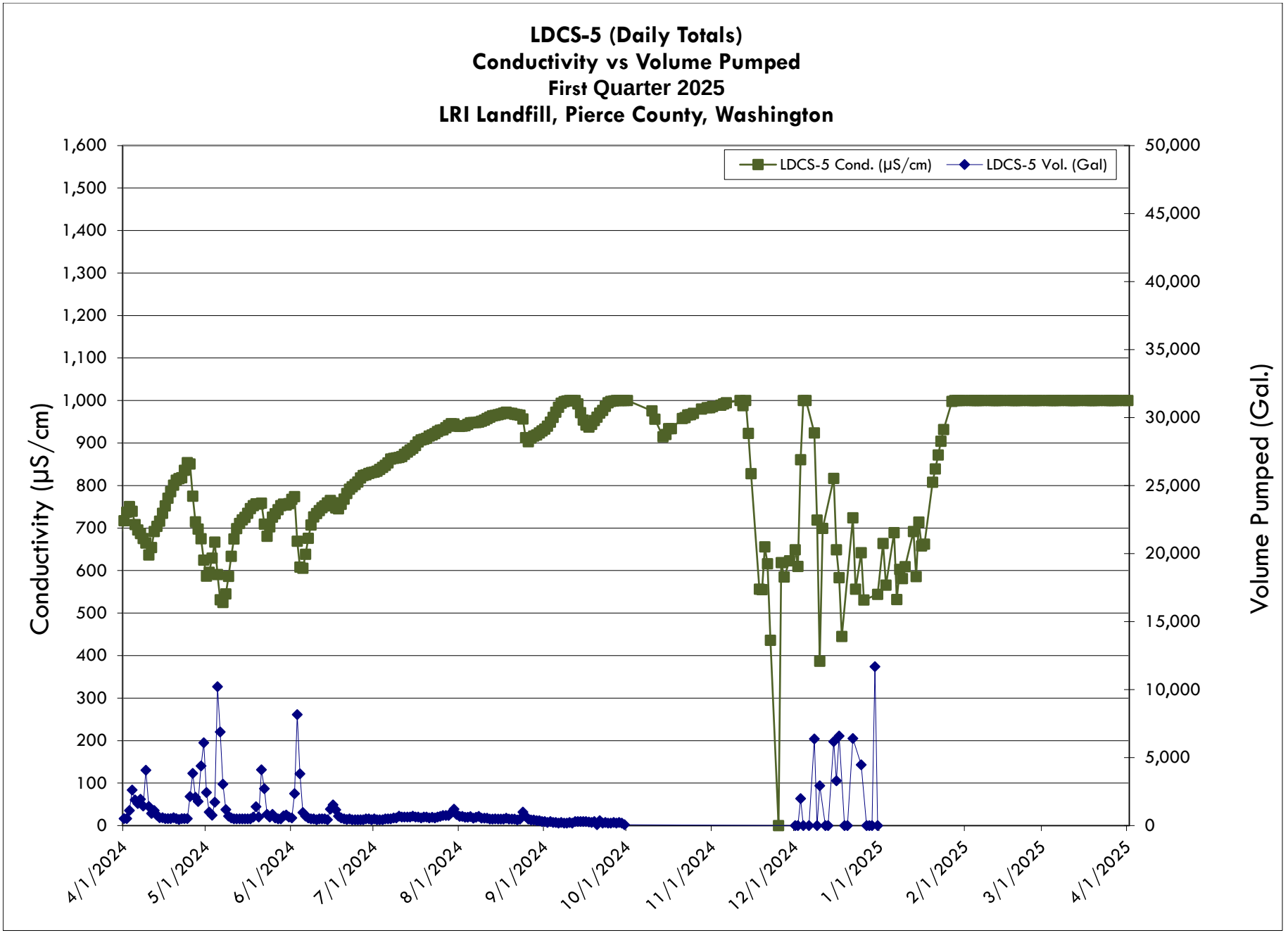
LDCS-4A (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington

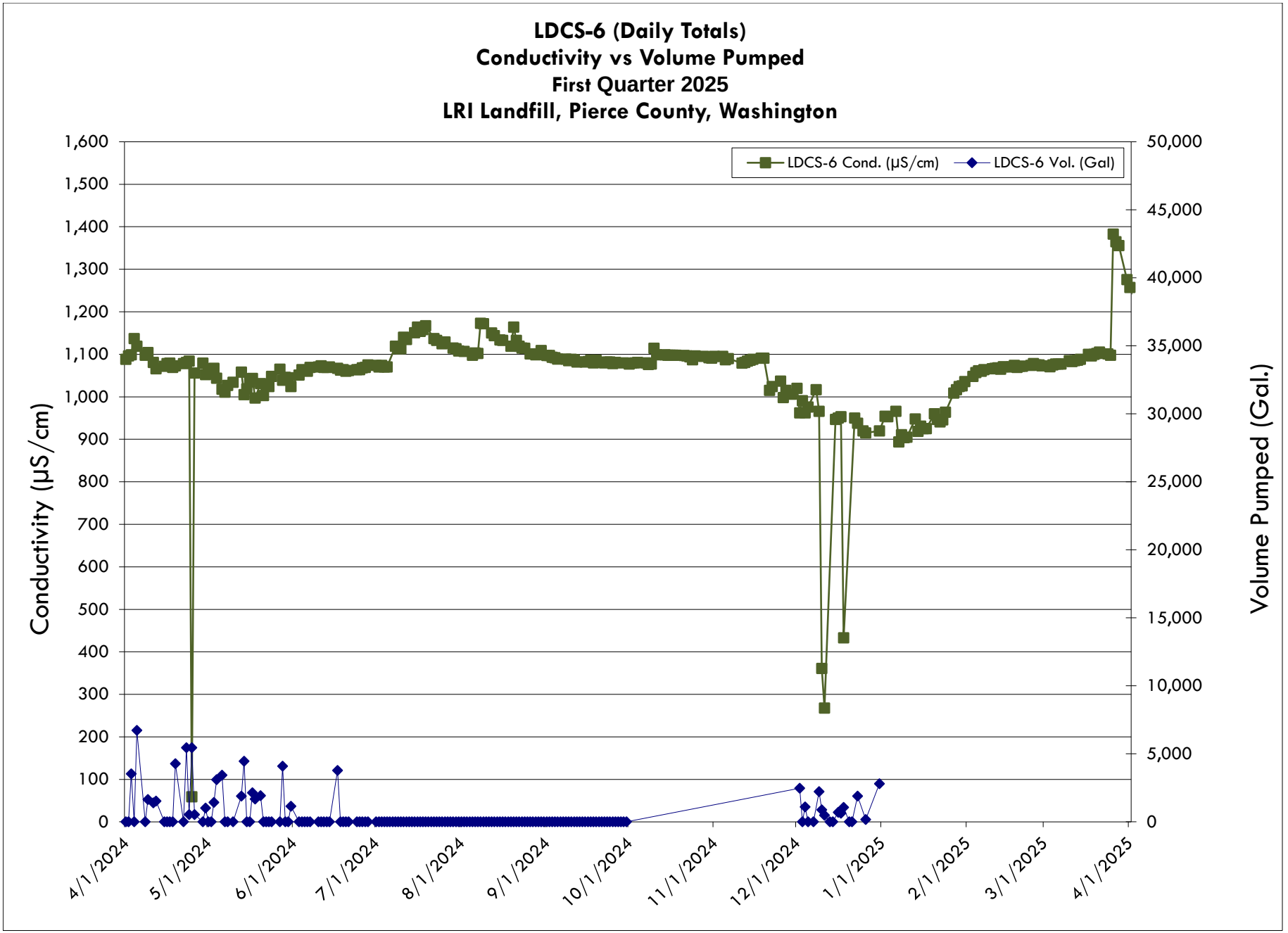


LDCS-4B (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington

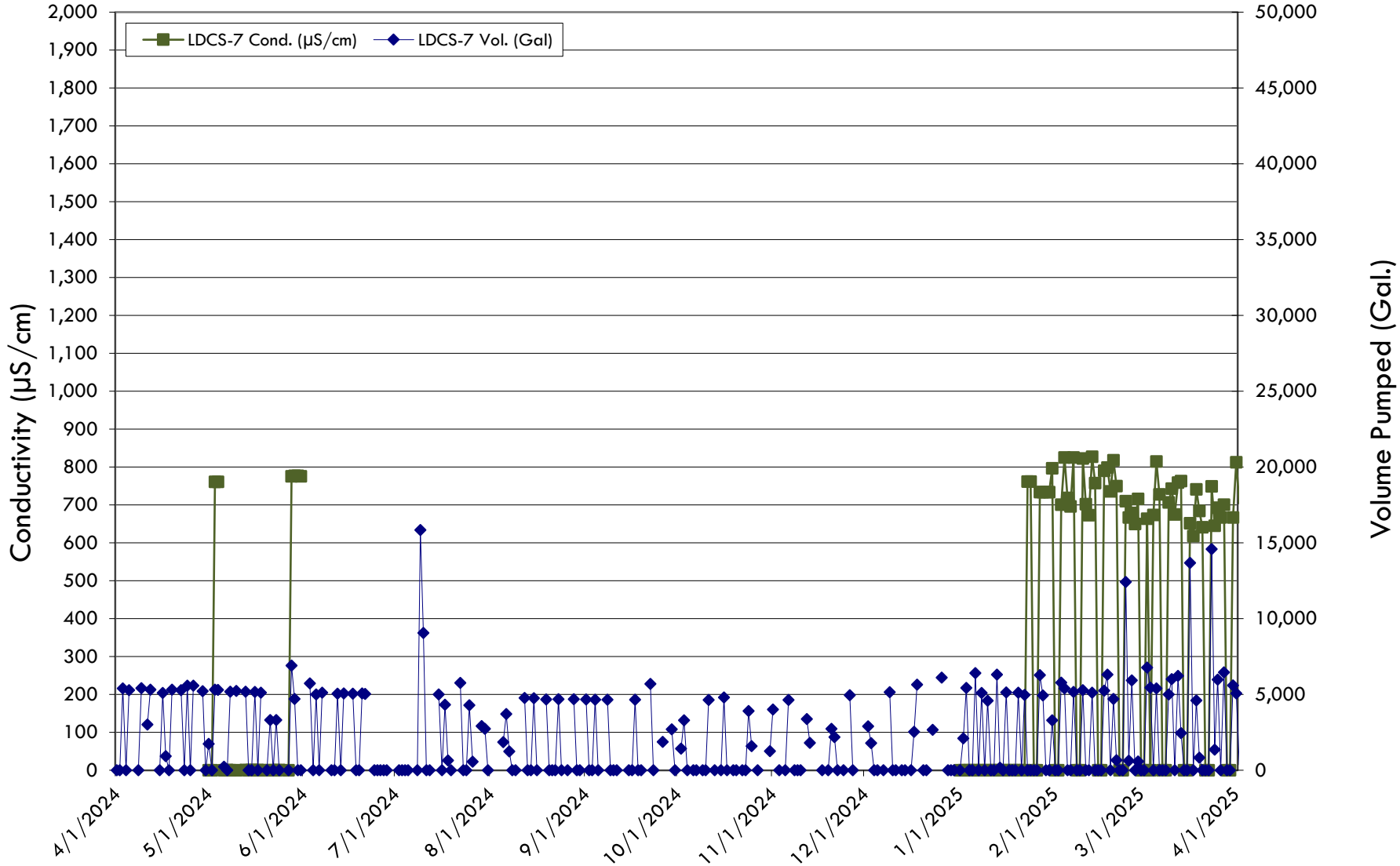
Spike in flow from mid December through the end of January due to solids accumulation in pump. Pump was cleaned and flow was restored at the end of January.




LDCS-5 (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-5 Cond. (µS/cm)
LDCS-5 Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

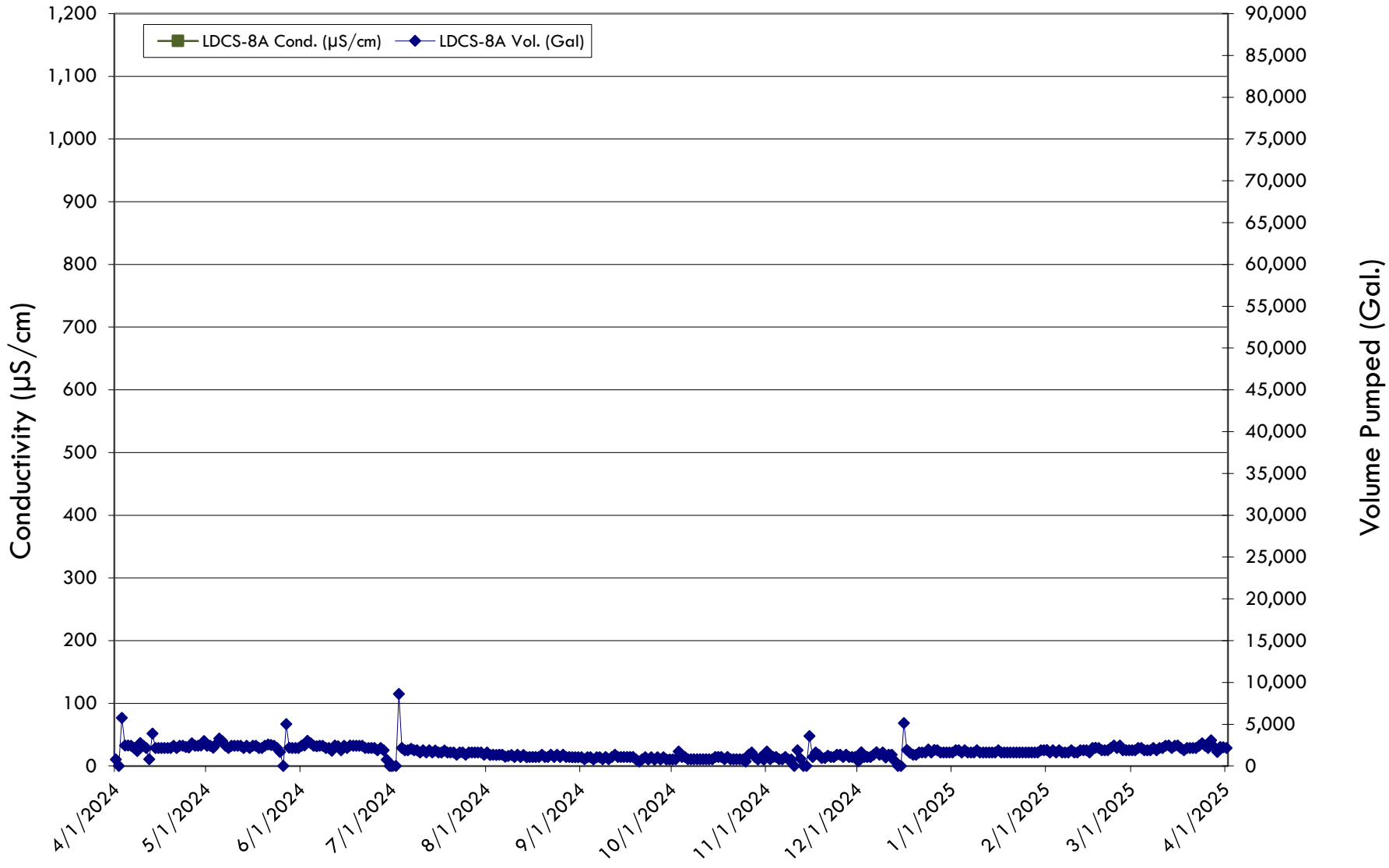

LDCS-6 (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-6 Cond. (µS/cm)
LDCS-6 Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

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



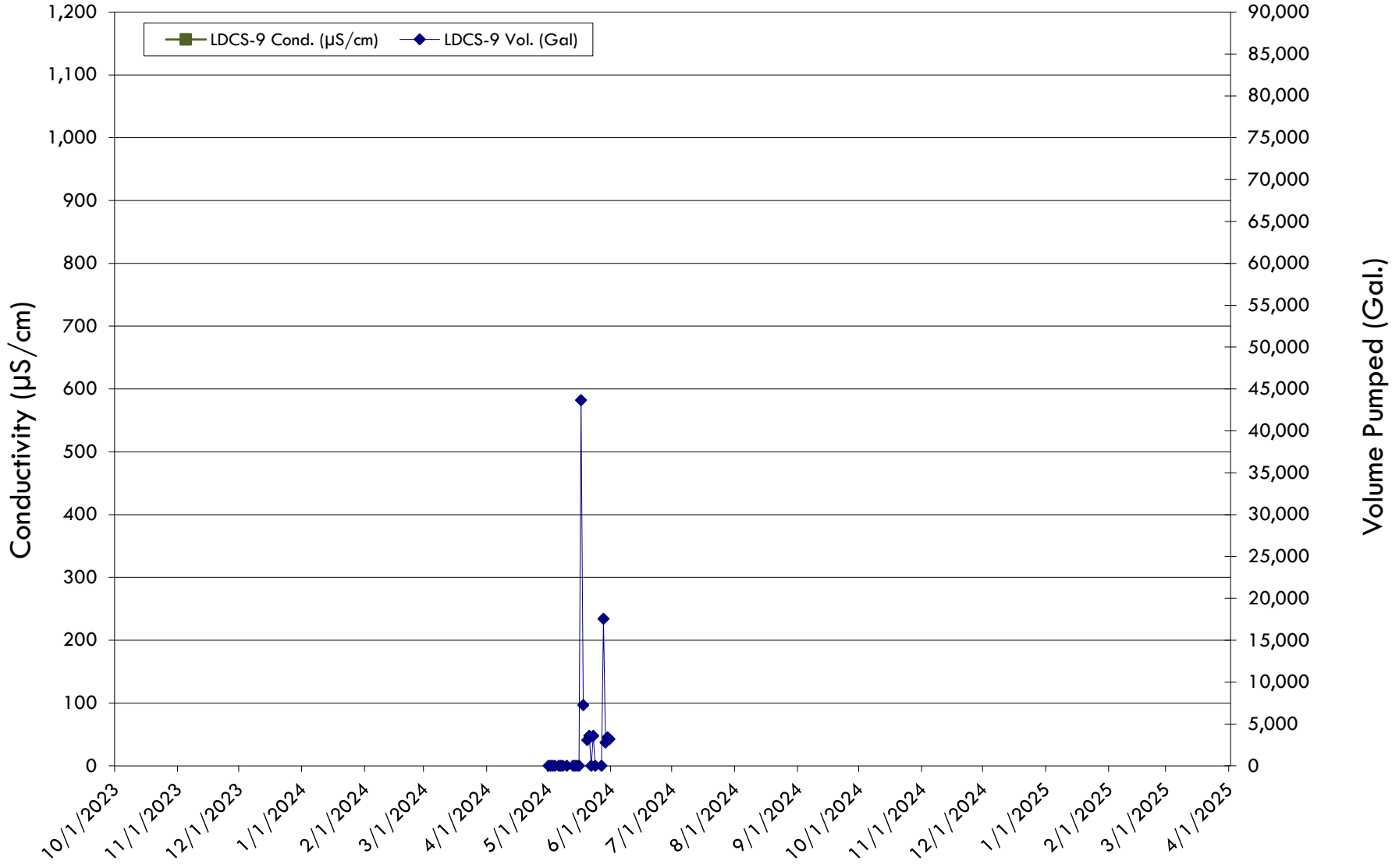
LDCS-8 (Daily Totals)
Conductivity vs Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington

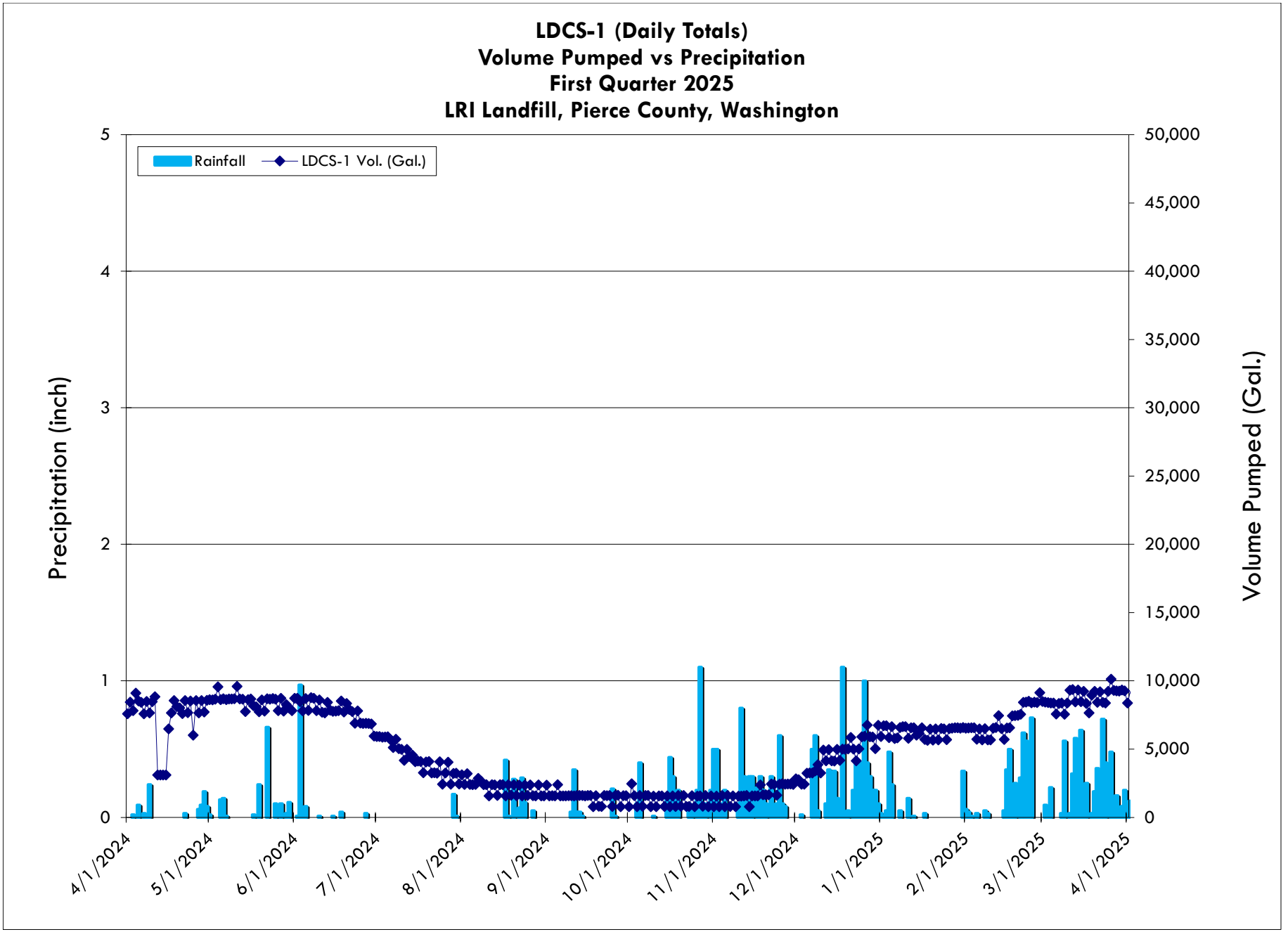
*Conductivity Probe malfunction June 2023 through December 2024



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

*Conductivity Probe and pump malfunction August 2023 through March 2025




LDCS-1 (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-1 Vol. (Gal.)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
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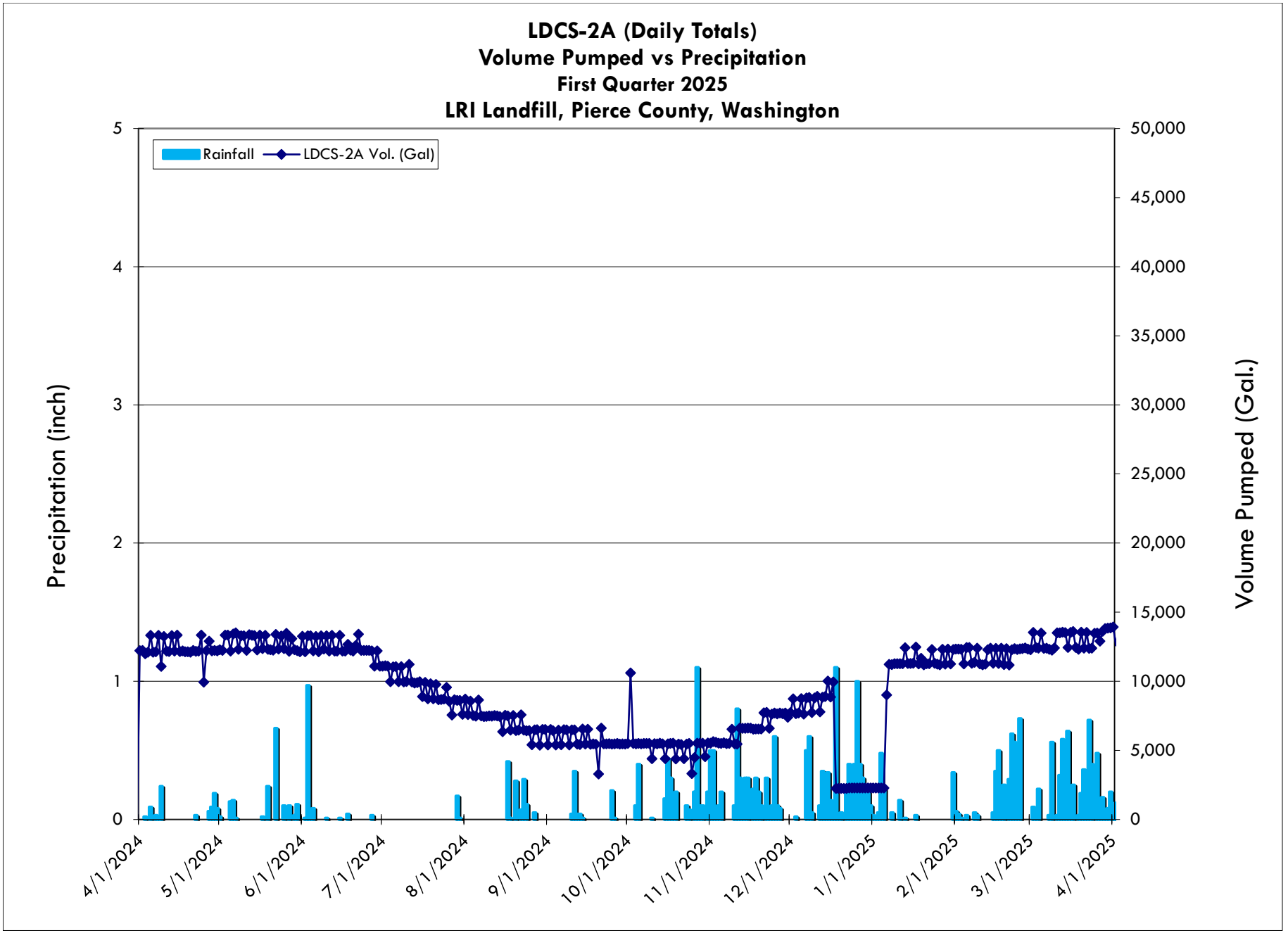
4/1/2025


LDCS-2A (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-2A Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
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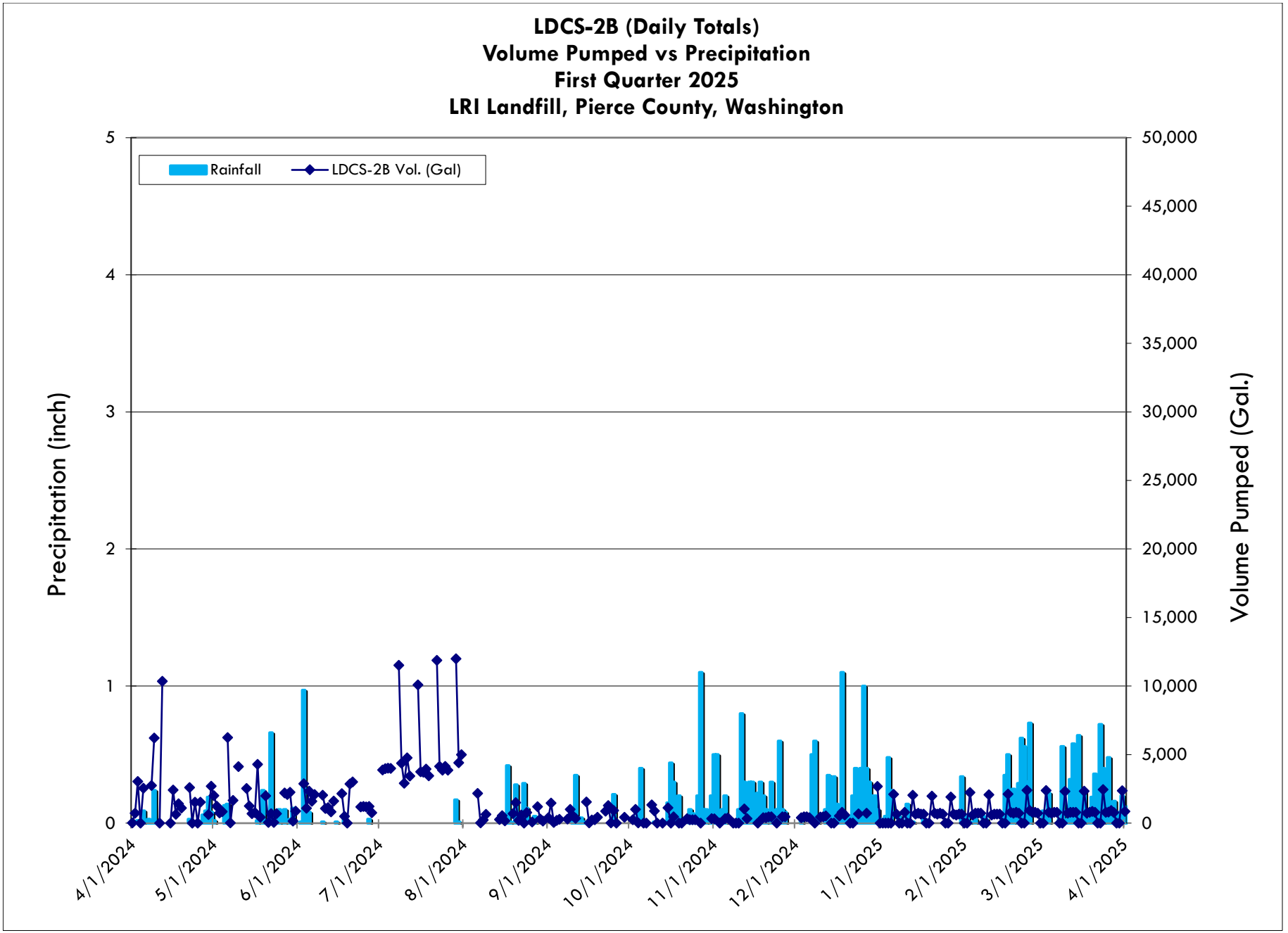
4/1/2025


LDCS-2B (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-2B Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
5
4
3
2
1
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
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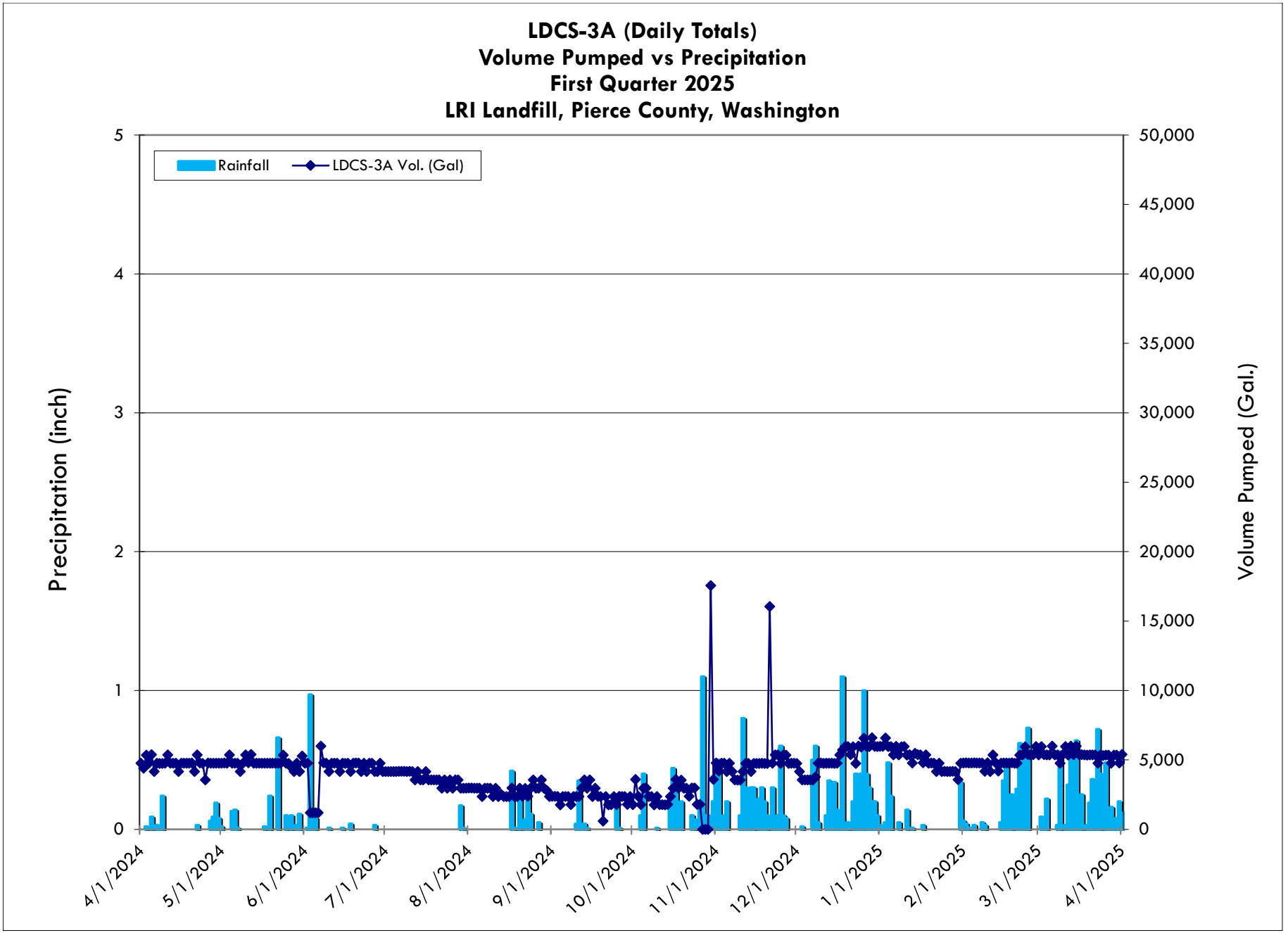
1/1/2025
2/1/2025
3/1/2025
4/1/2025


LDCS-3A (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-3A Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
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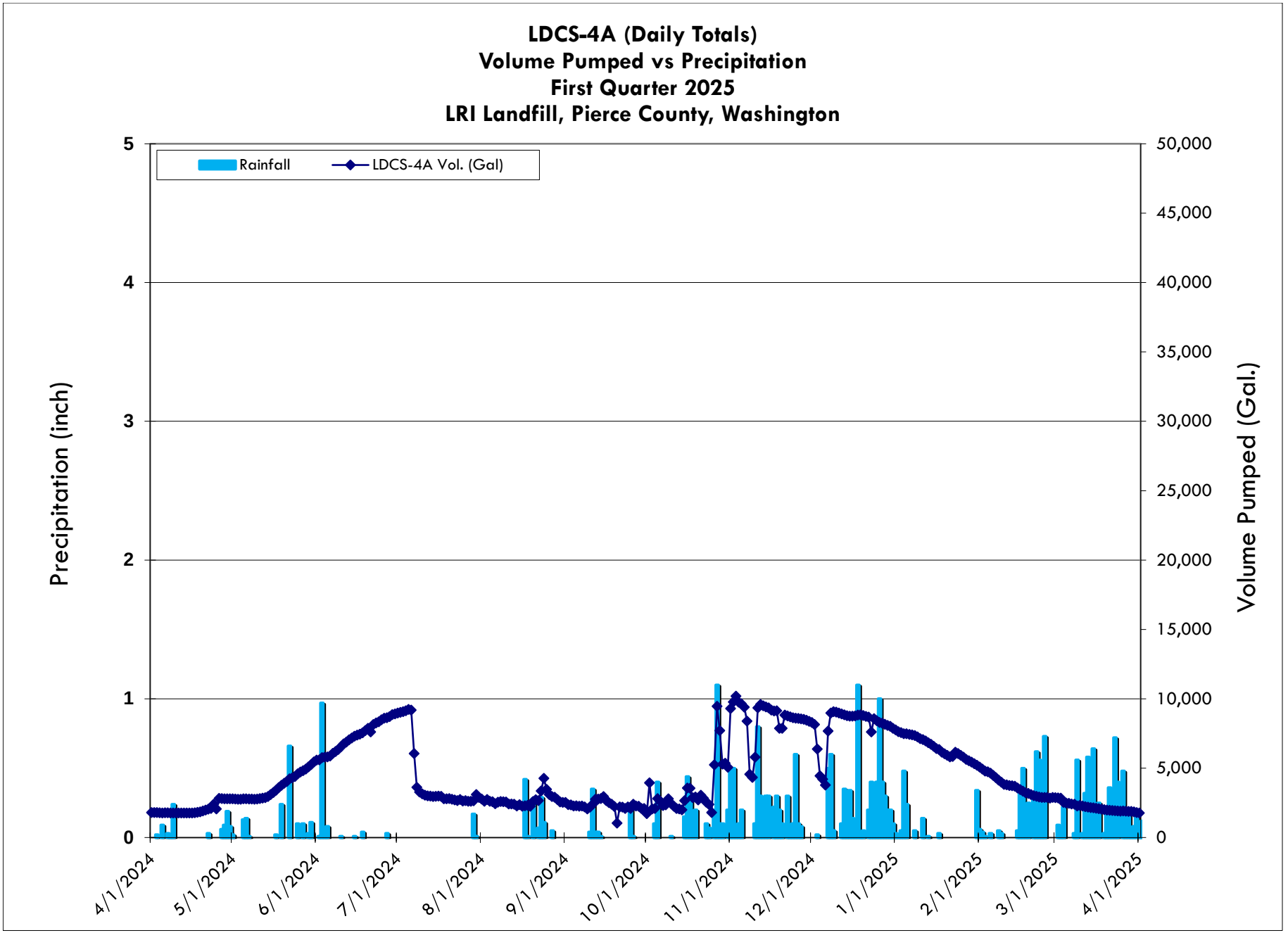
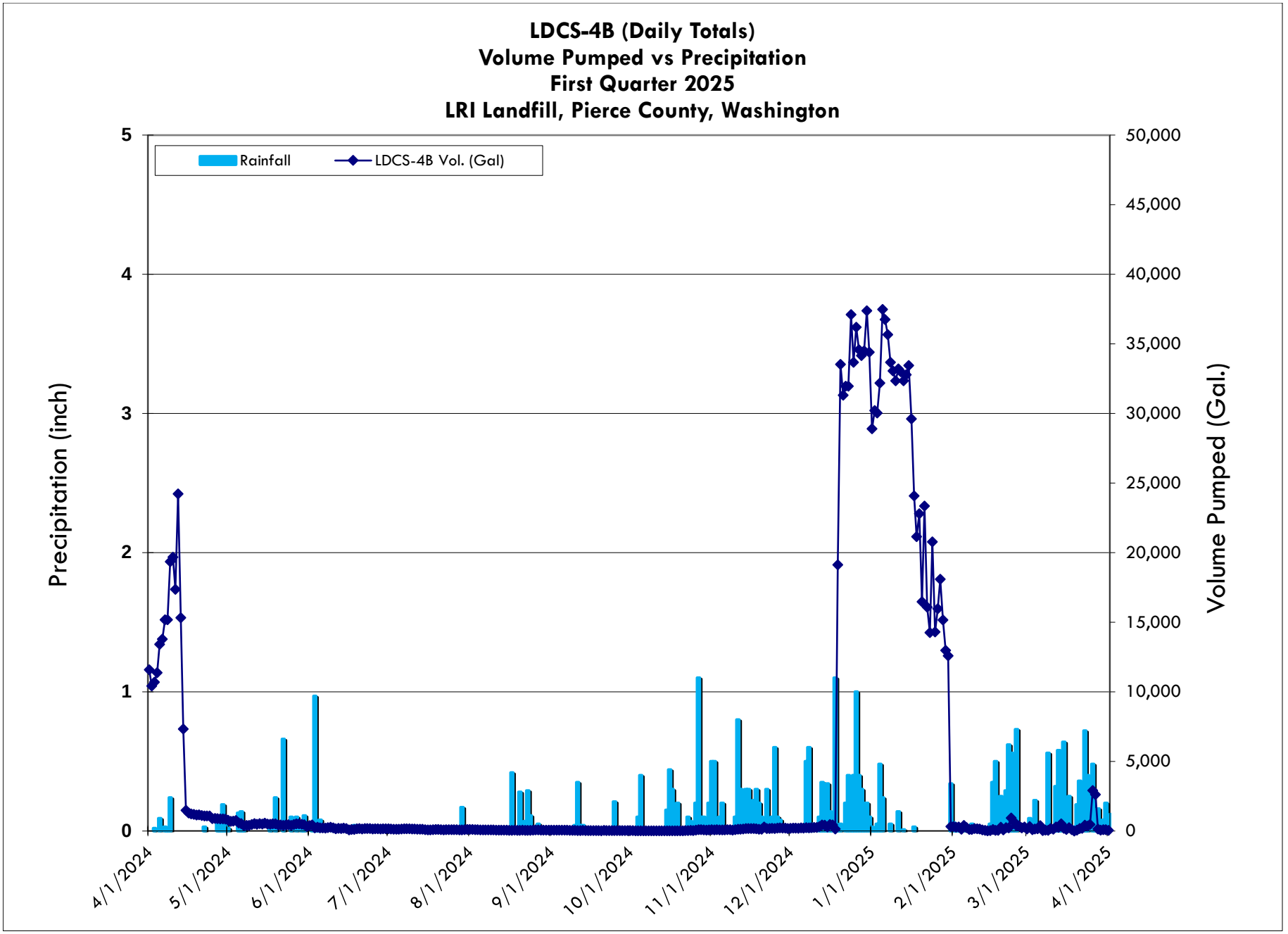
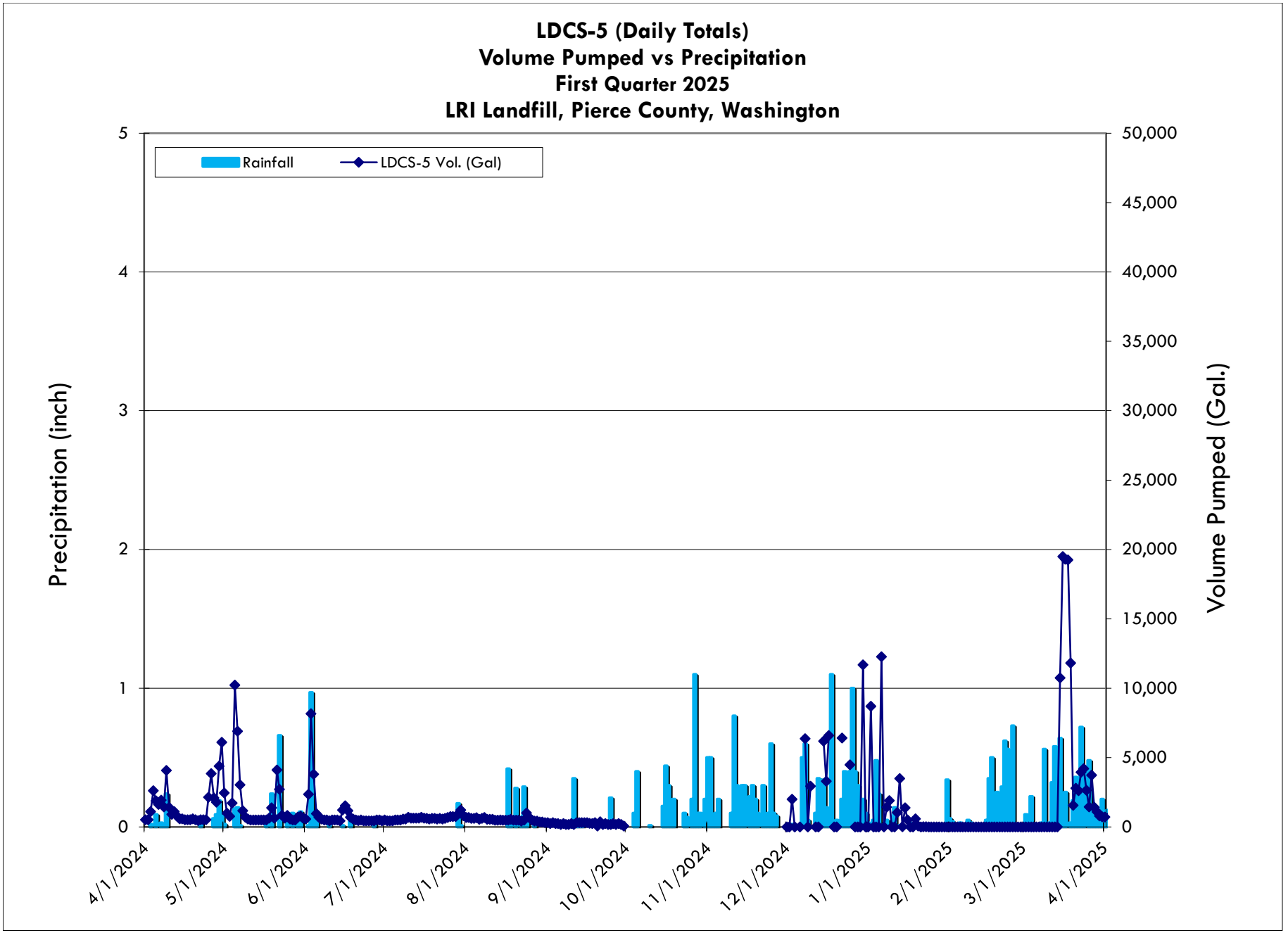
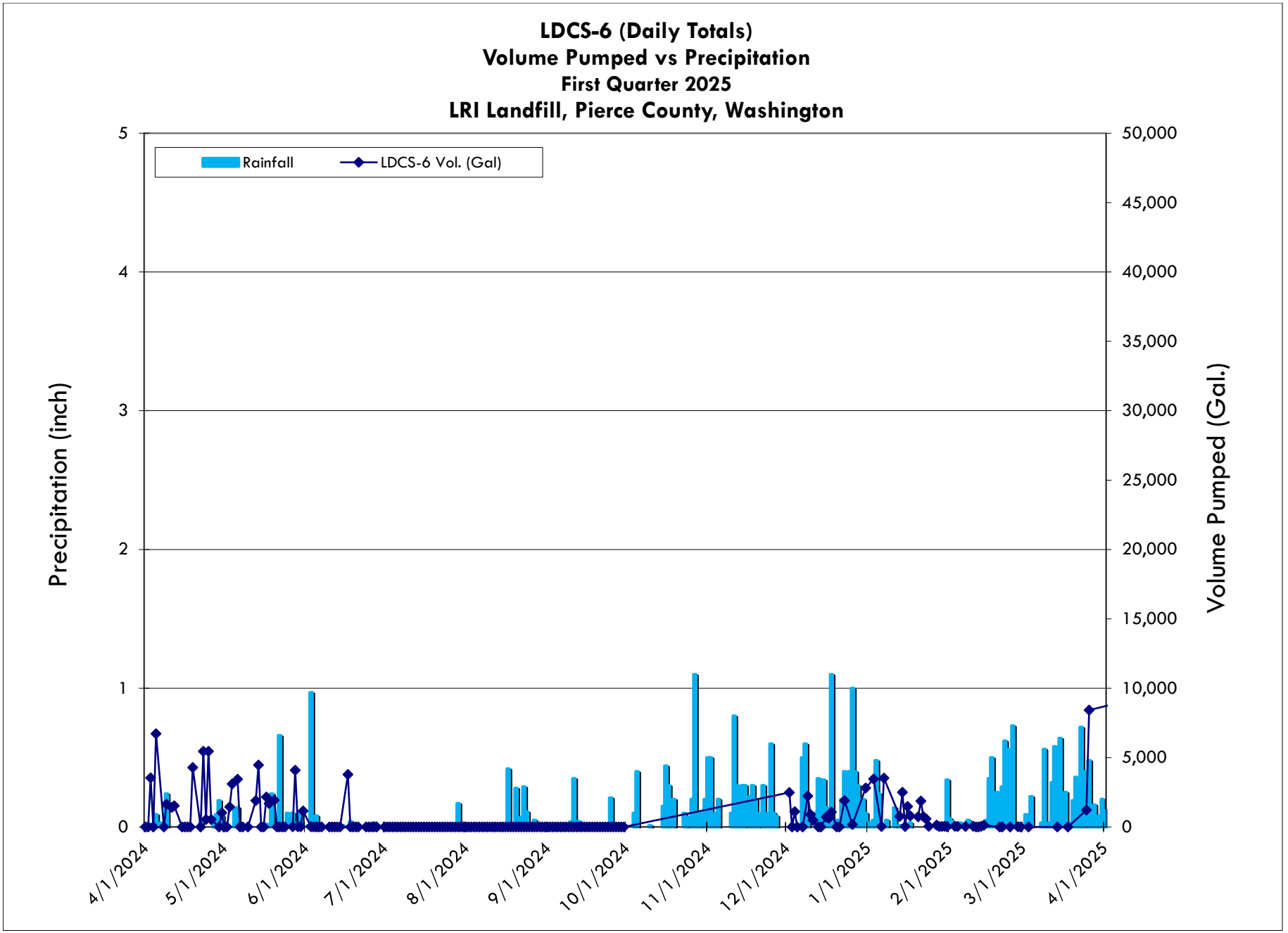
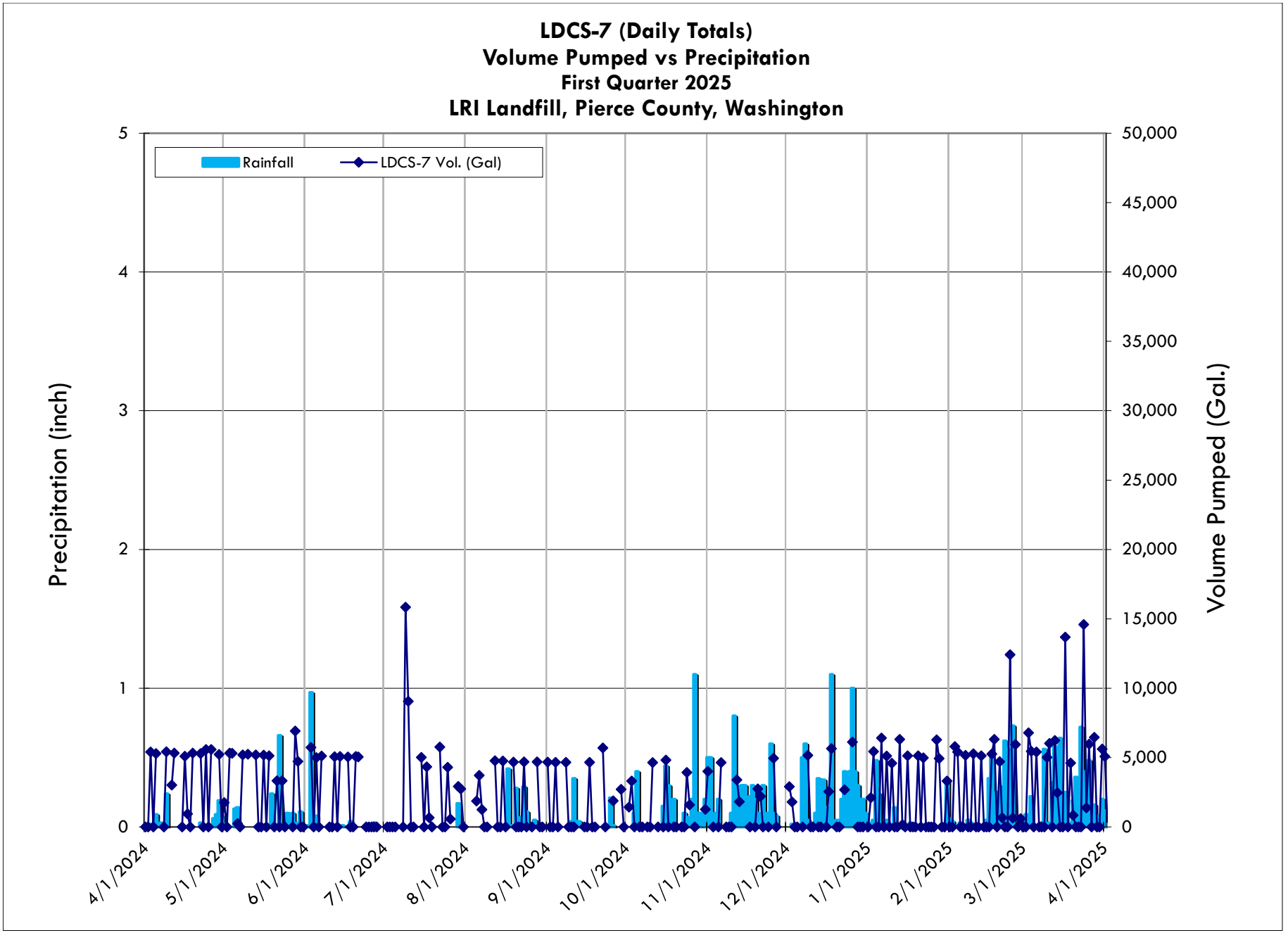
4/1/2025

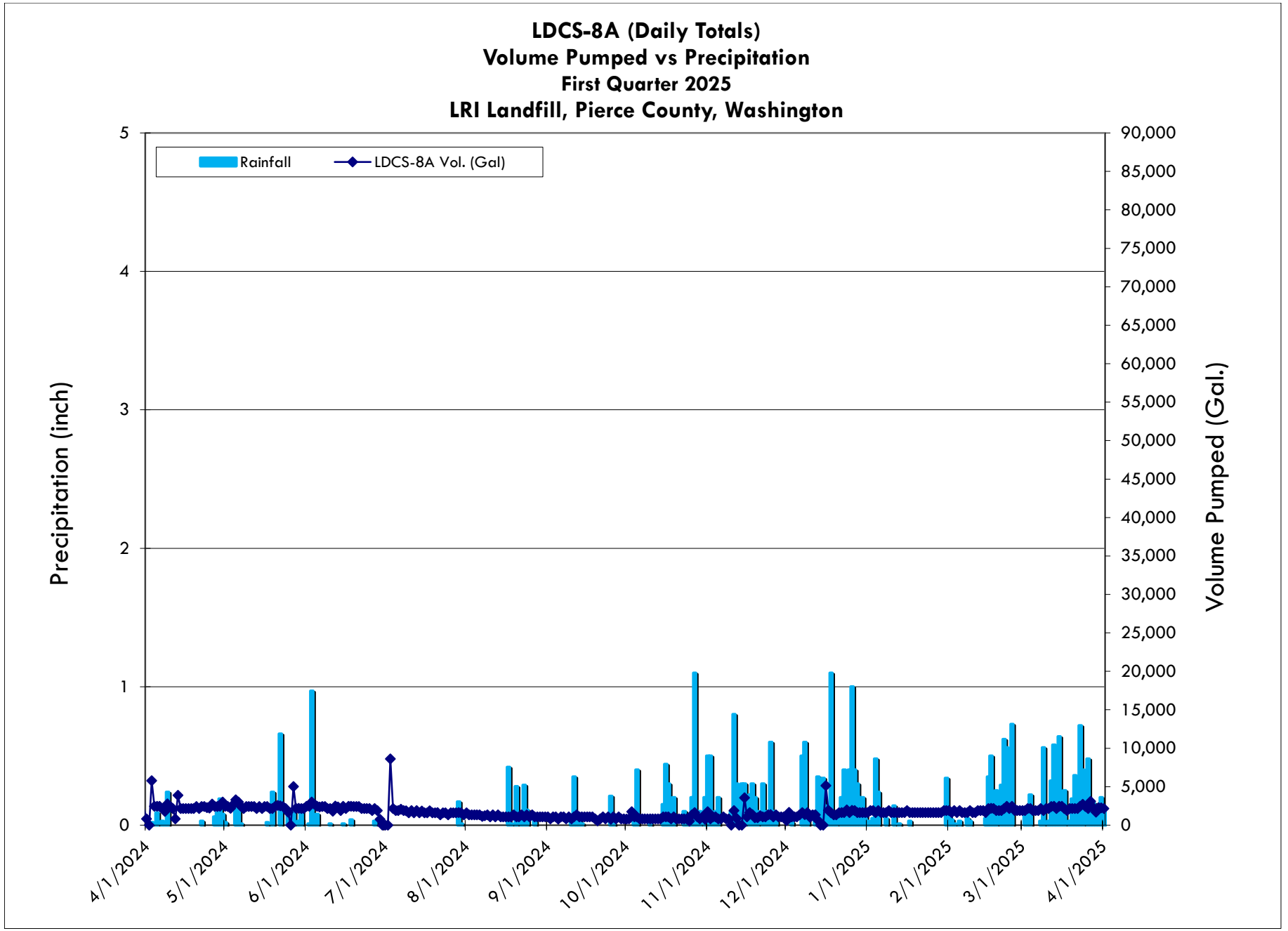

LDCS-4A (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-4A Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025


LDCS-4B (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-4B Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025


LDCS-5 (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-5 Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

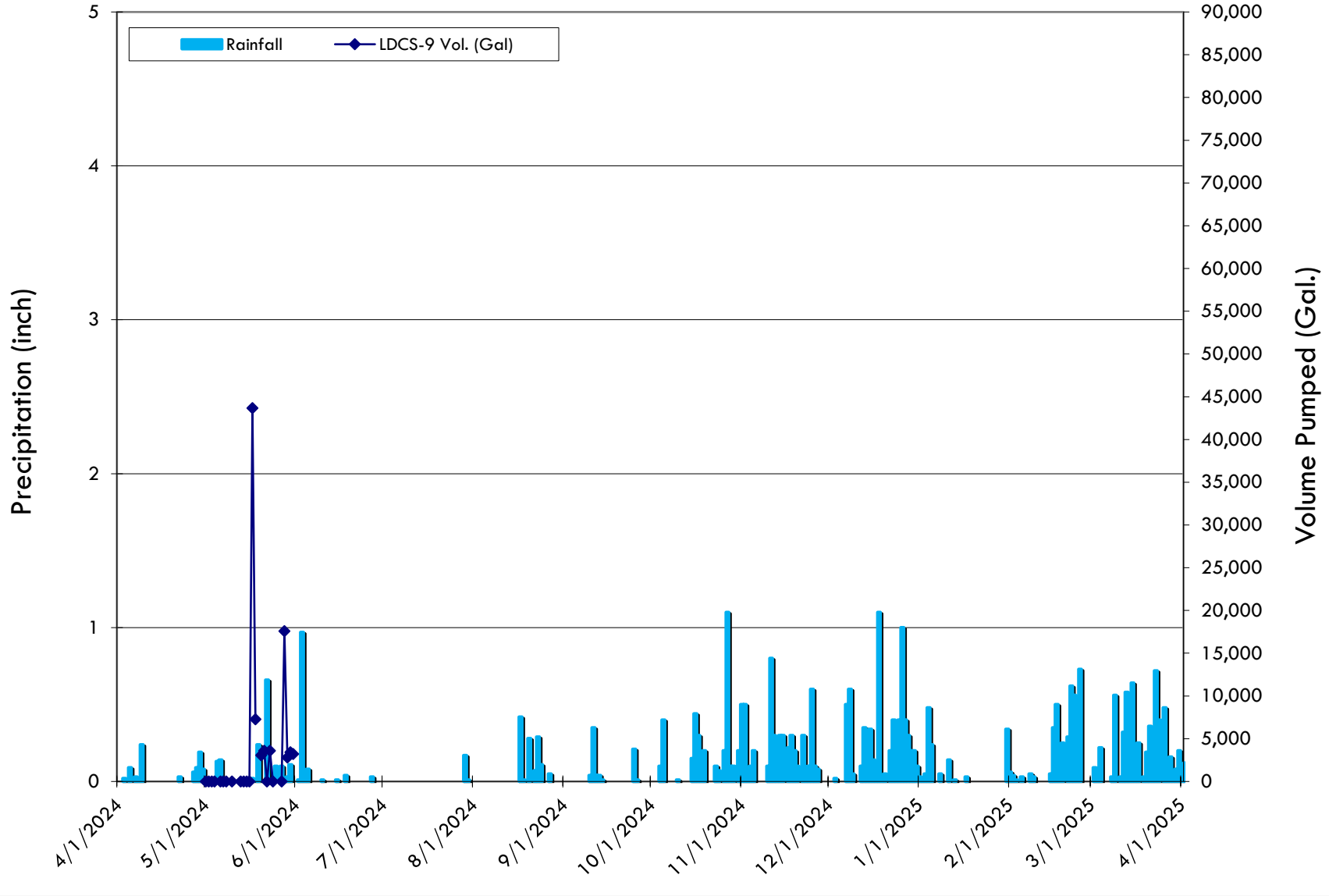

LDCS-6 (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-6 Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

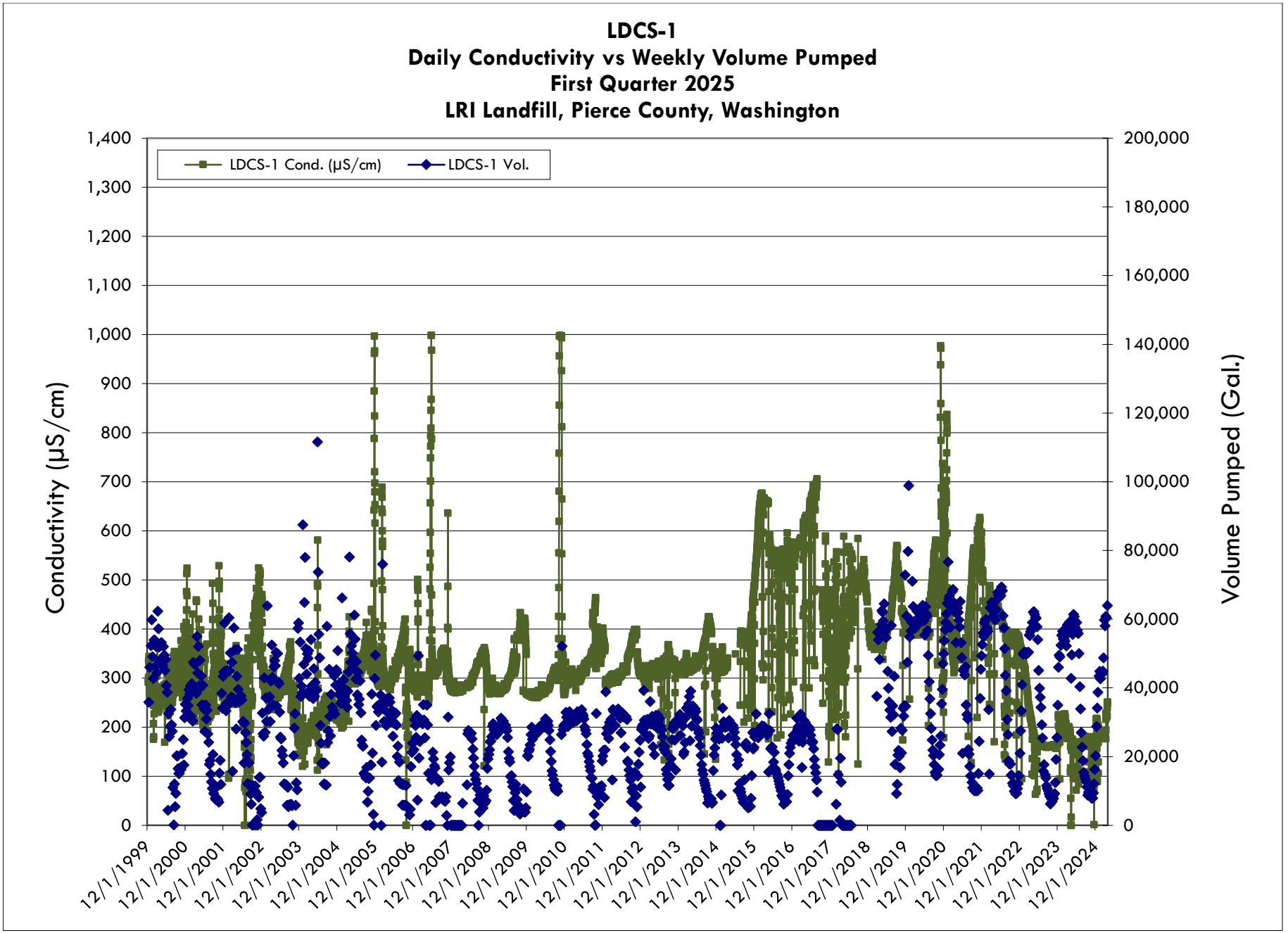

LDCS-7 (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-7 Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

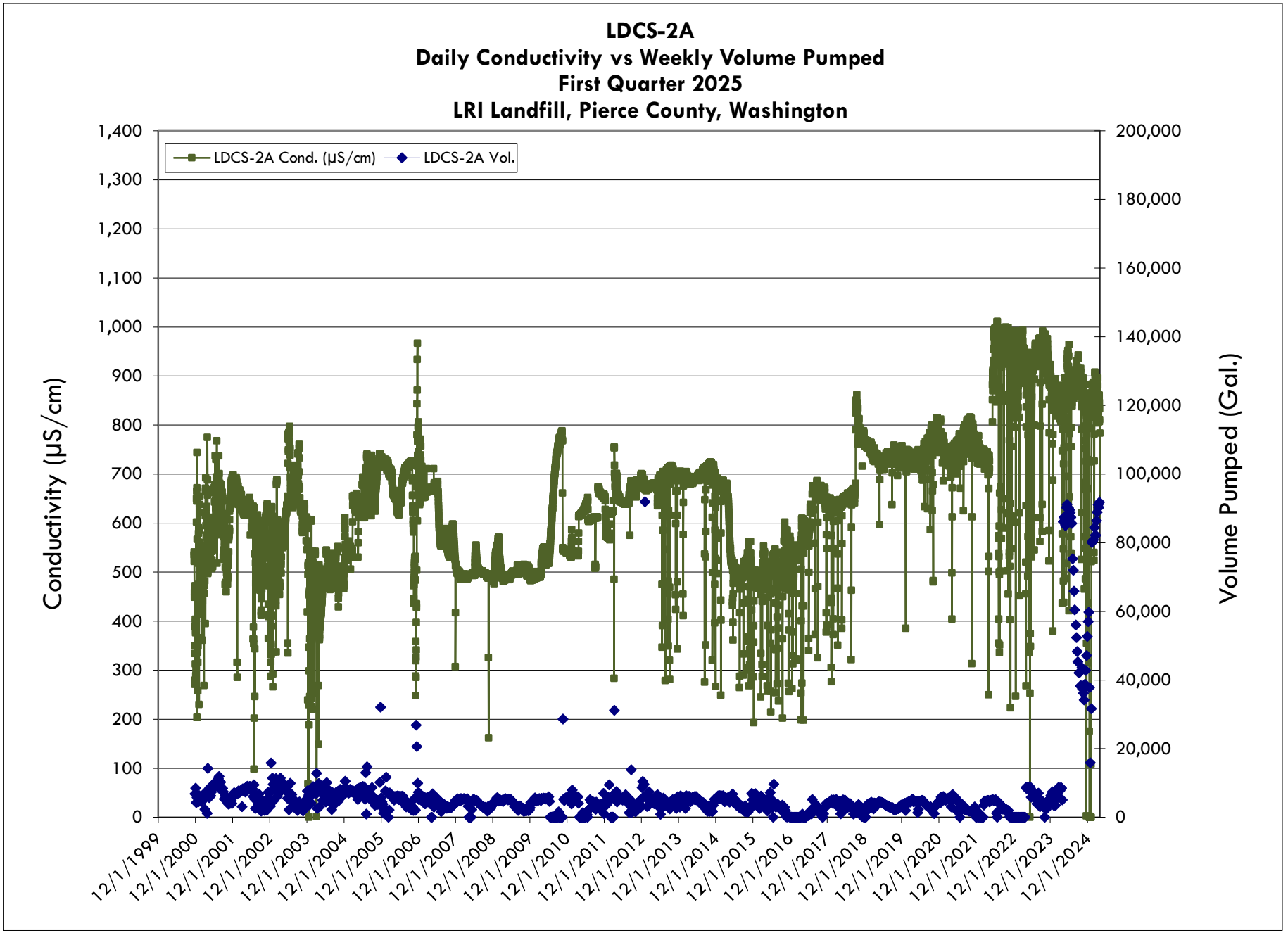

LDCS-8A (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-8A Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
5
4
3
2
1
0
90,000
85,000
80,000
75,000
70,000
65,000
60,000
55,000
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025
2/1/2025
3/1/2025
4/1/2025

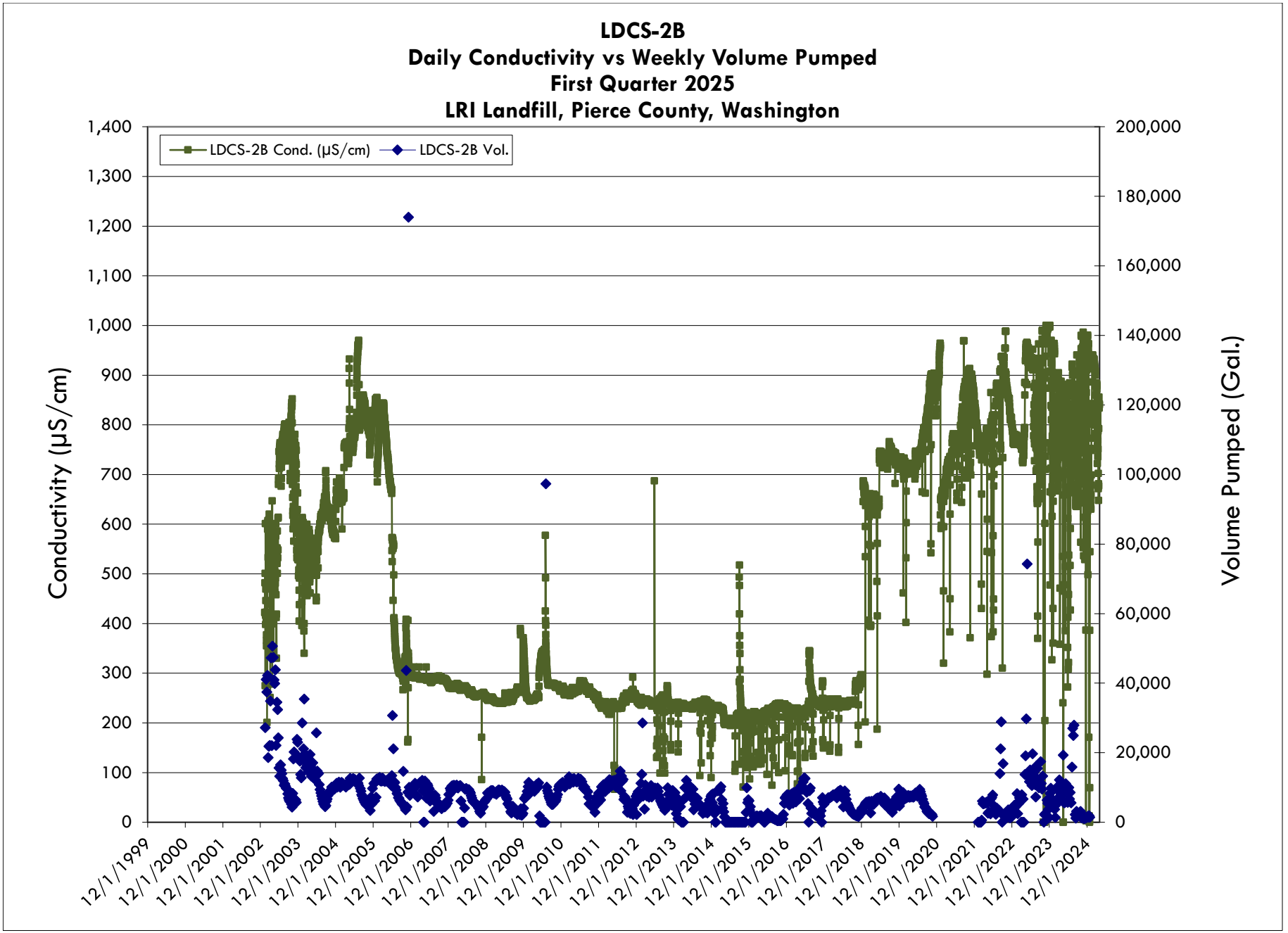
LDCS-9 (Daily Totals)
Volume Pumped vs Precipitation
First Quarter 2025
LRI Landfill, Pierce County, Washington

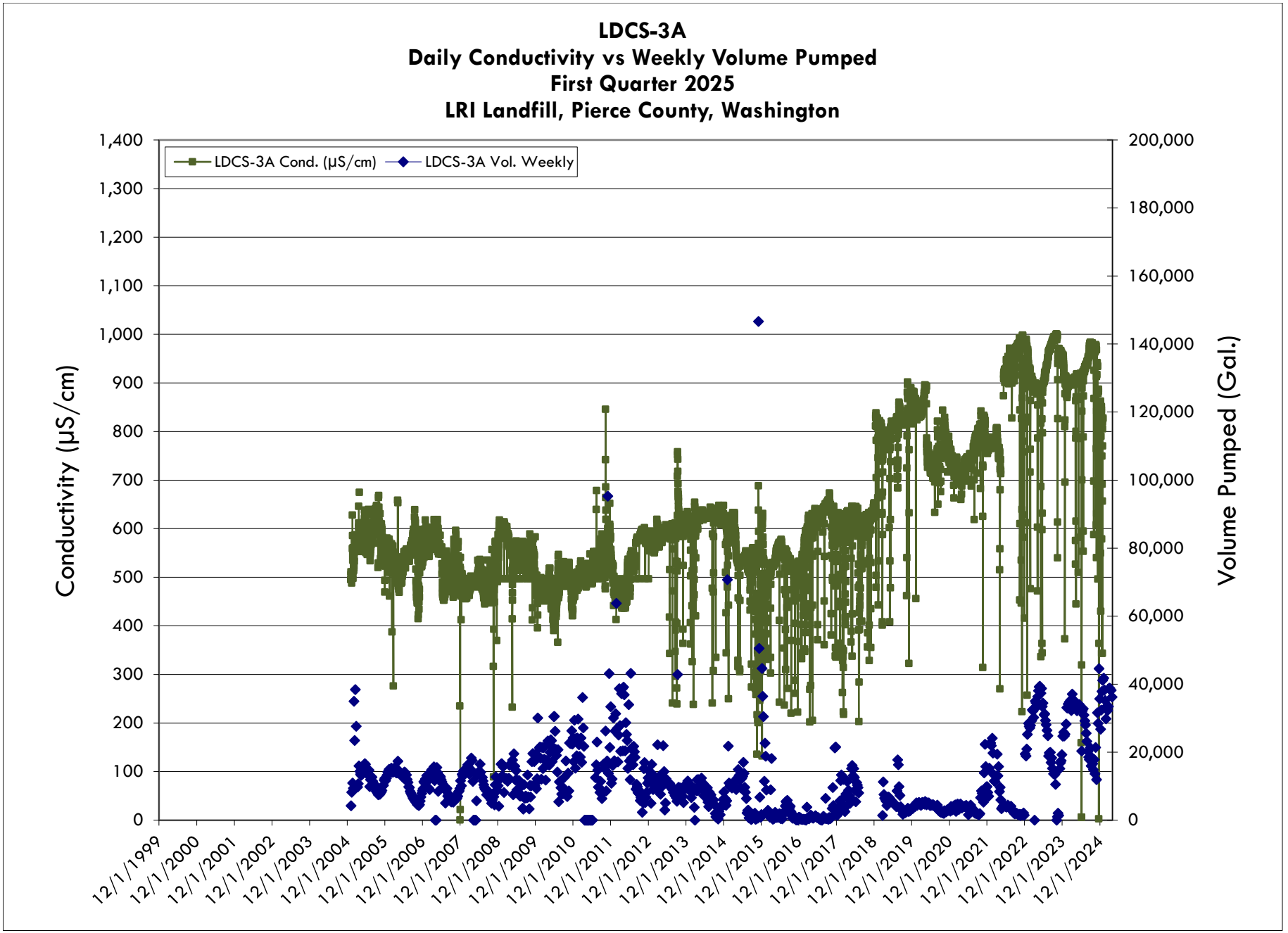
Probe malfunction from August 2023 through May 2024 and July 2024 through March 2025



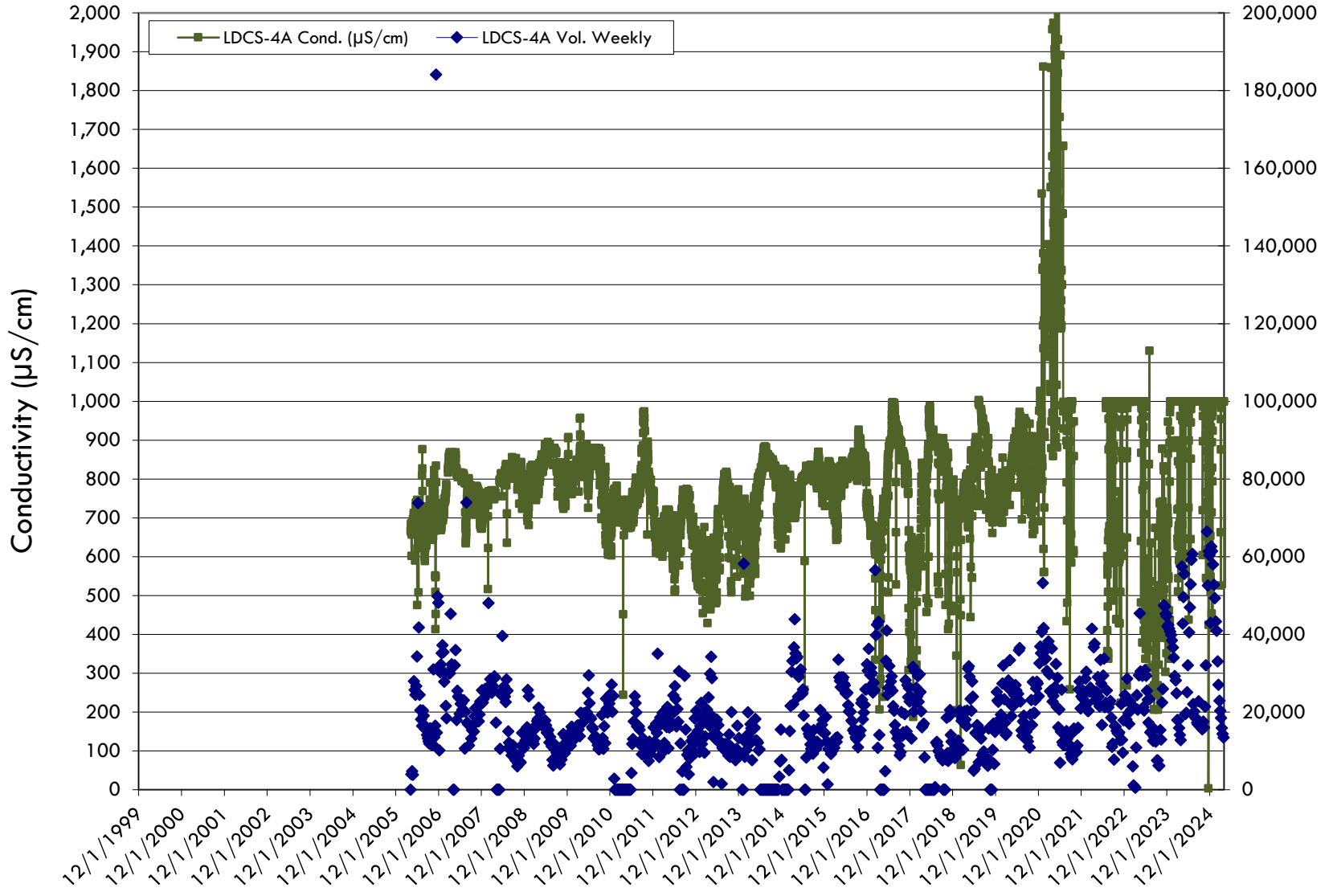

LDCS-1
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-1 Cond. (µS/cm)
LDCS-1 Vol.
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

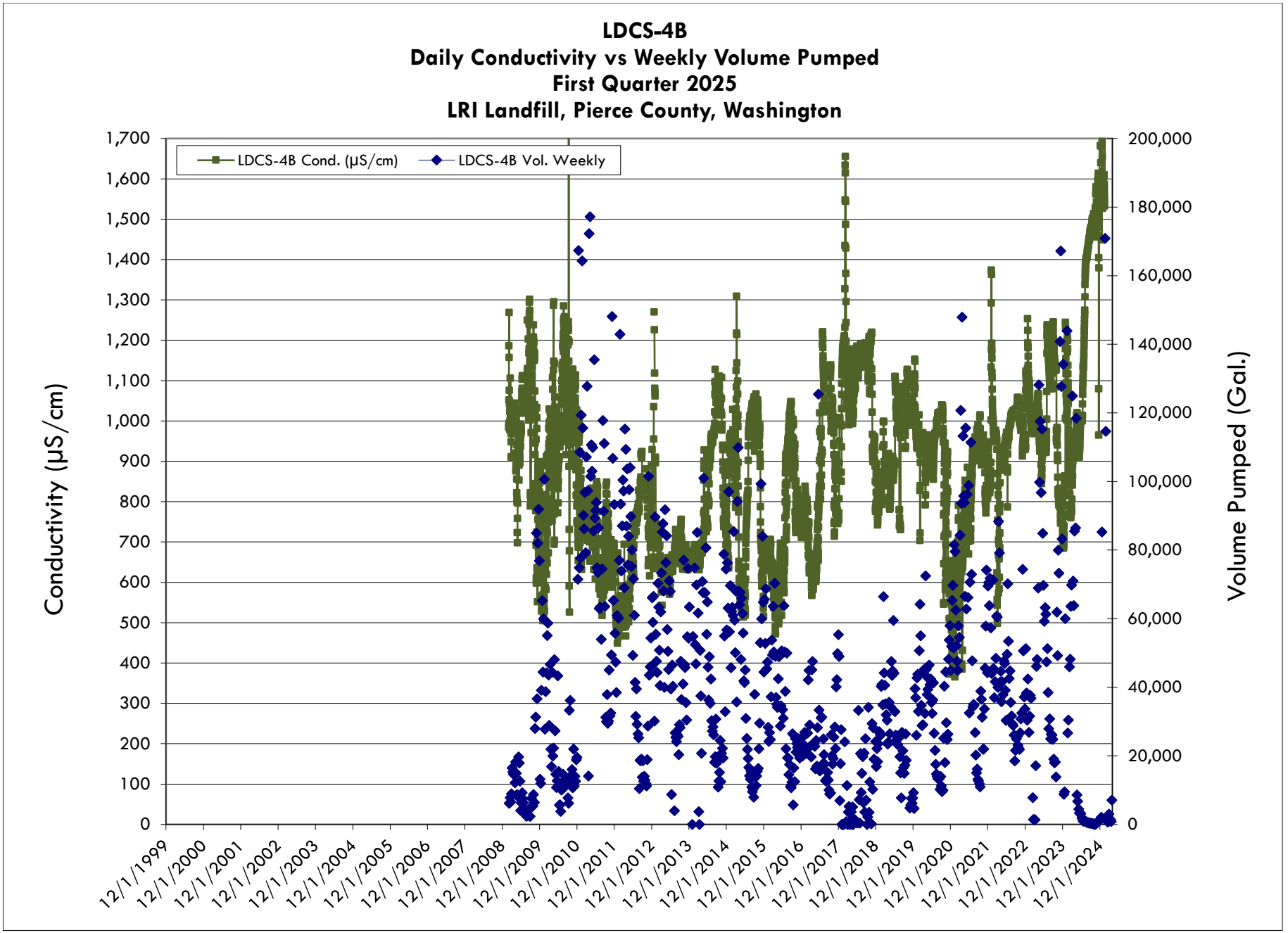

LDCS-2A
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-2A Cond. (µS/cm)
LDCS-2A Vol.
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

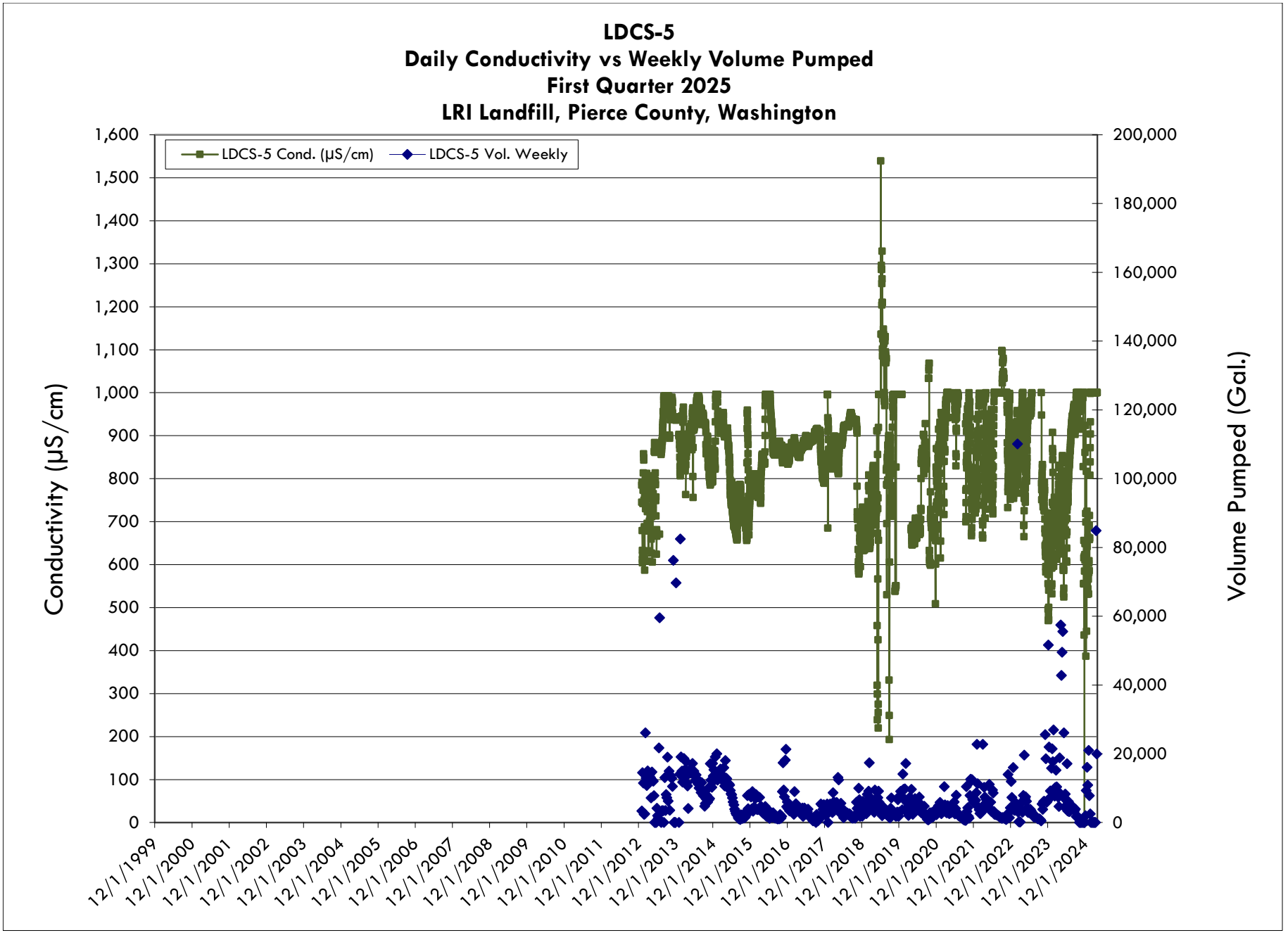

LDCS-2B
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-2B Cond. (µS/cm)
LDCS-2B Vol.
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

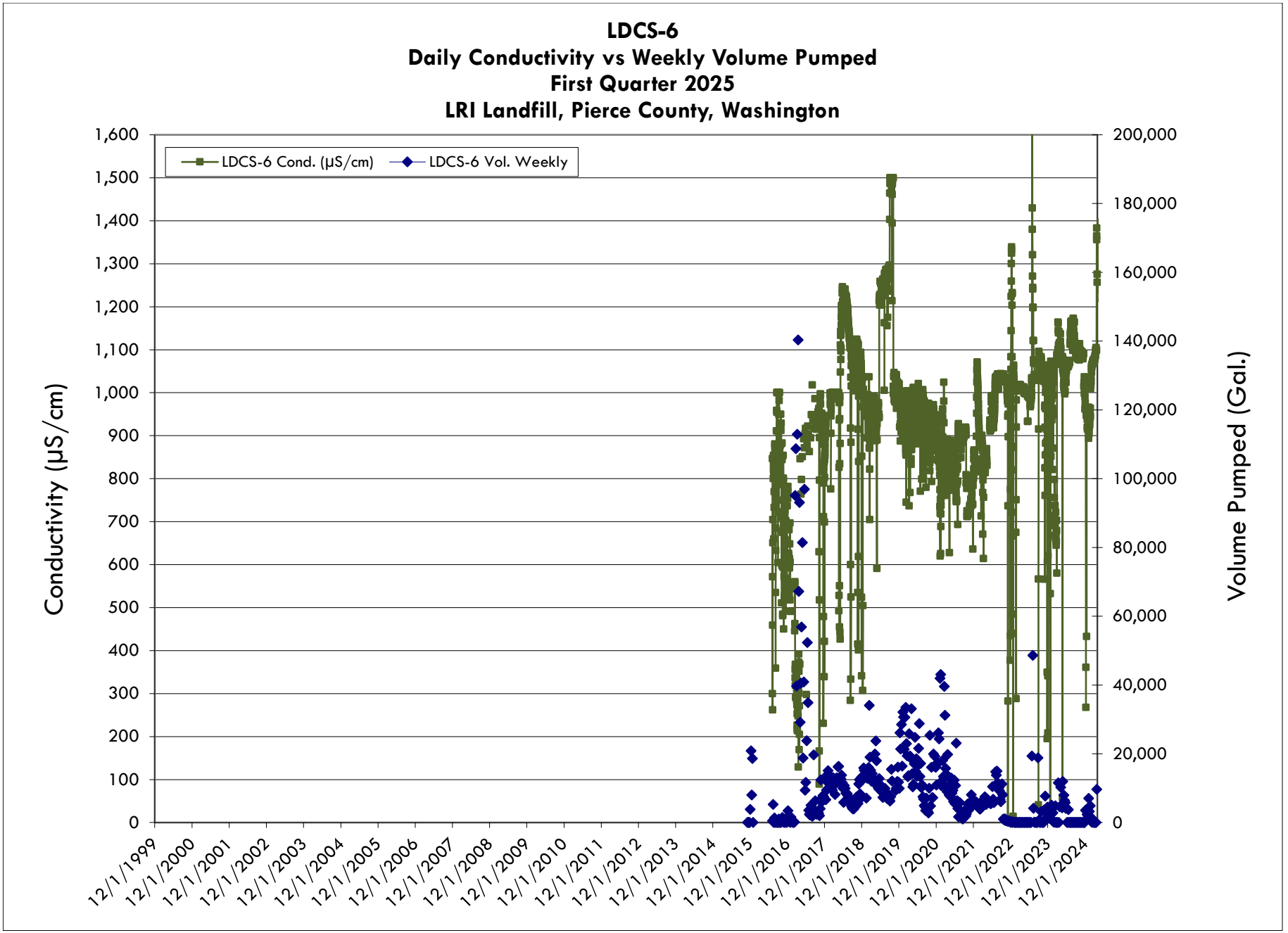

LDCS-3A
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-3A Cond. (µS/cm)
LDCS-3A Vol. Weekly
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

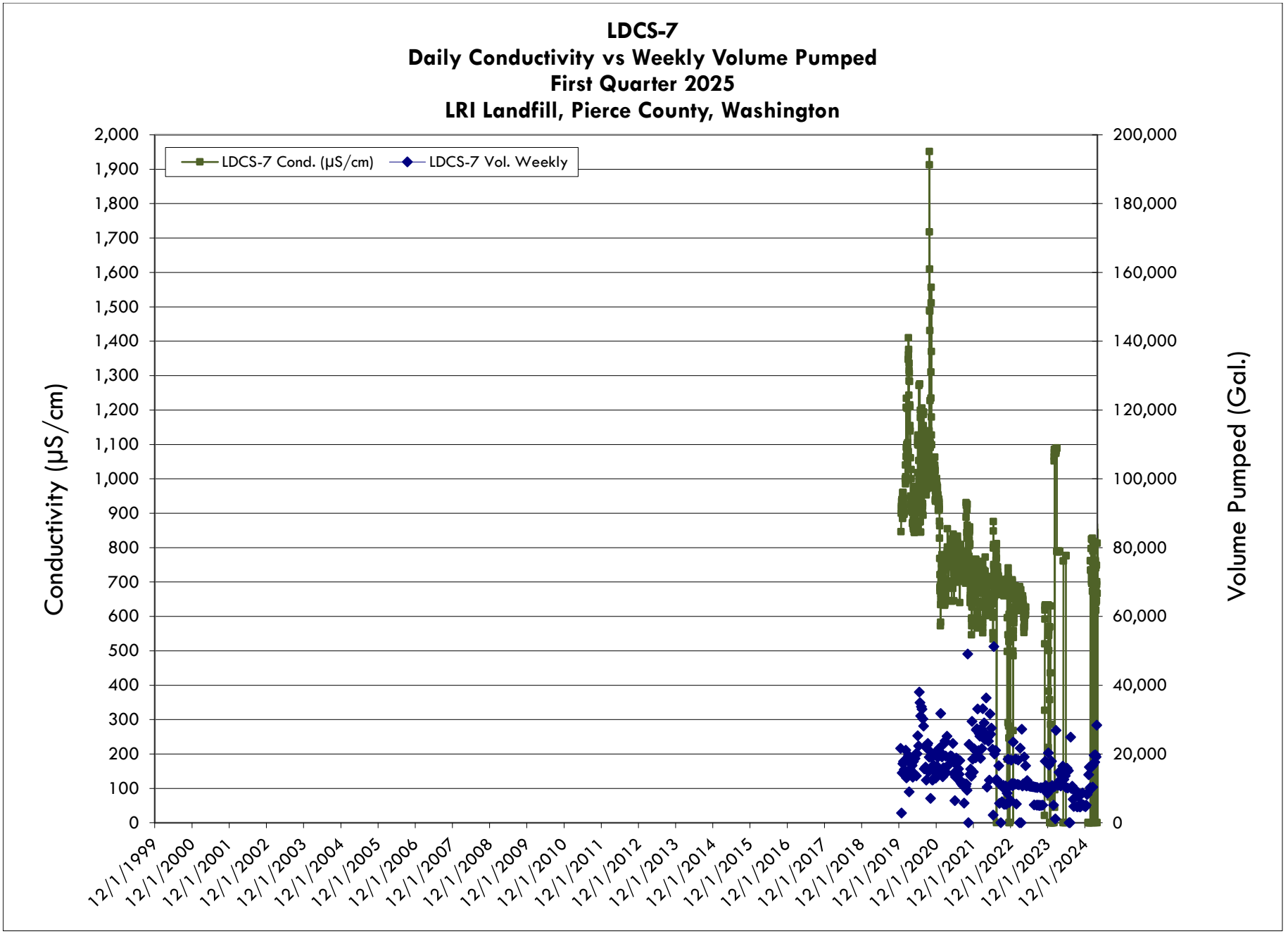
LDCS-4A
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington



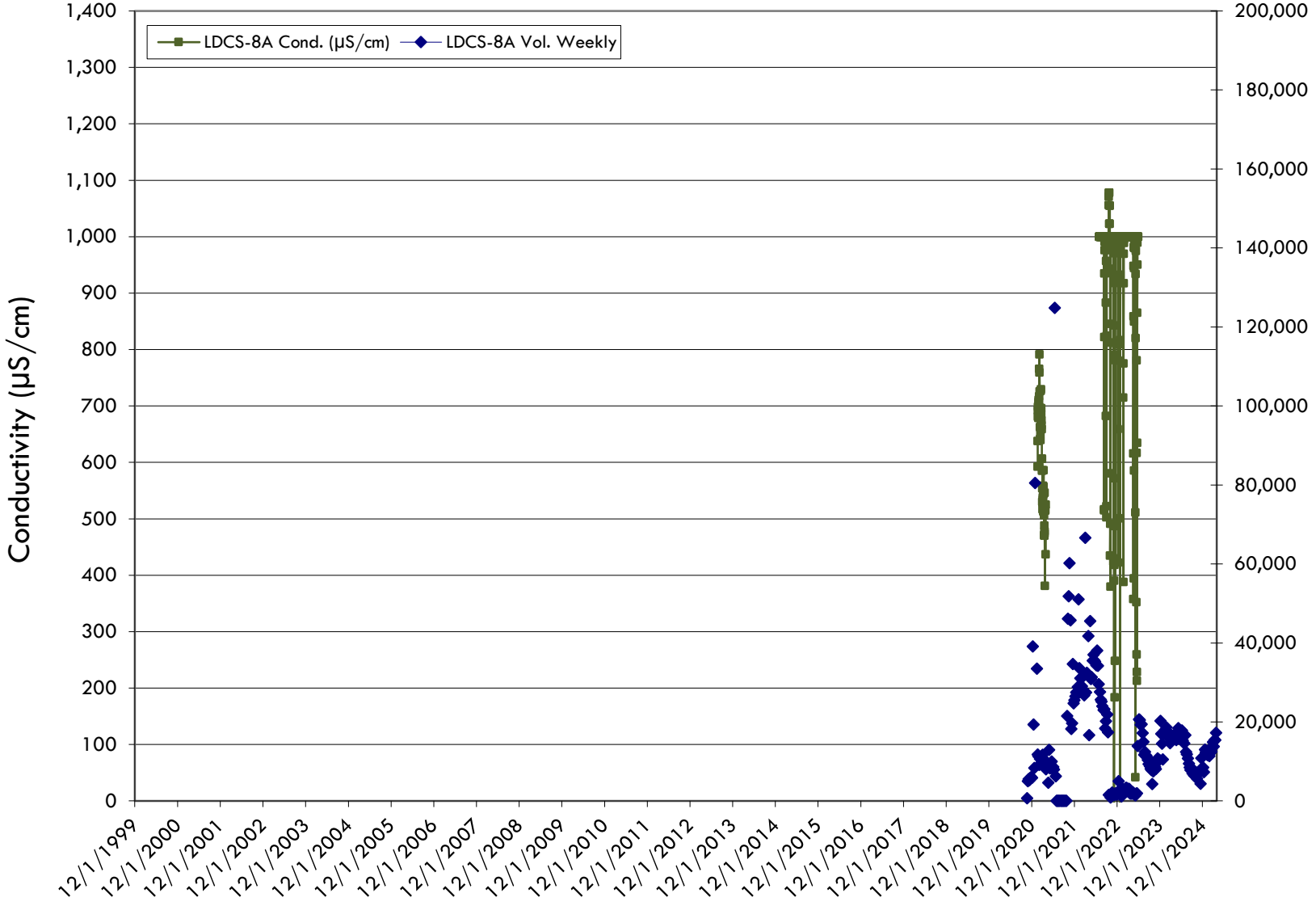

LDCS-4B
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-4B Cond. (µS/cm)
LDCS-4B Vol. Weekly
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,700
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024


LDCS-5
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-5 Cond. (µS/cm)
LDCS-5 Vol. Weekly
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

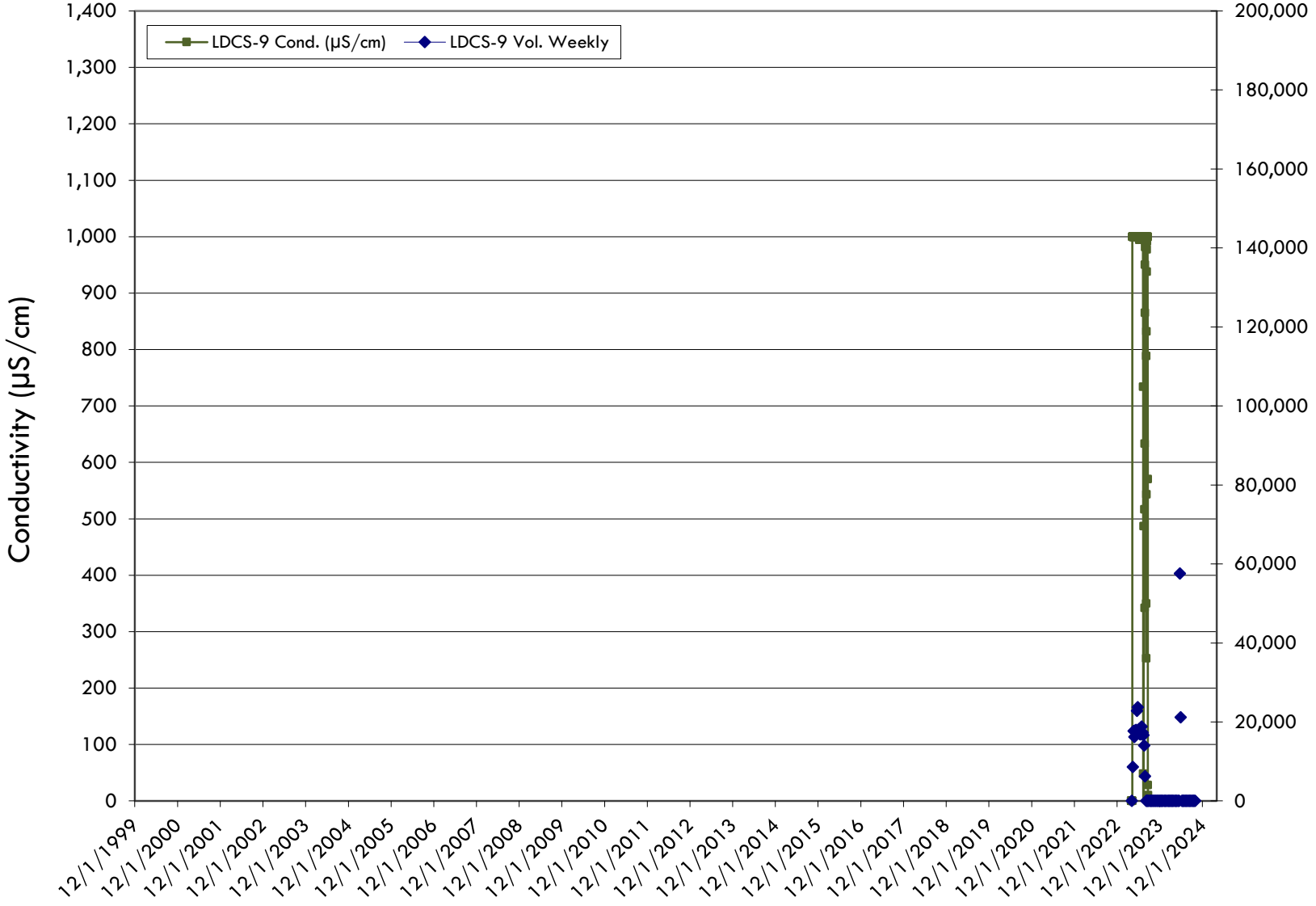

LDCS-6
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-6 Cond. (µS/cm)
LDCS-6 Vol. Weekly
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024


LDCS-7
Daily Conductivity vs Weekly Volume Pumped
First Quarter 2025
LRI Landfill, Pierce County, Washington
LDCS-7 Cond. (µS/cm)
LDCS-7 Vol. Weekly
Conductivity (µS/cm)
Volume Pumped (Gal.)
2,000
1,900
1,800
1,700
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
12/1/1999
12/1/2000
12/1/2001
12/1/2002
12/1/2003
12/1/2004
12/1/2005
12/1/2006
12/1/2007
12/1/2008
12/1/2009
12/1/2010
12/1/2011
12/1/2012
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

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



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



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

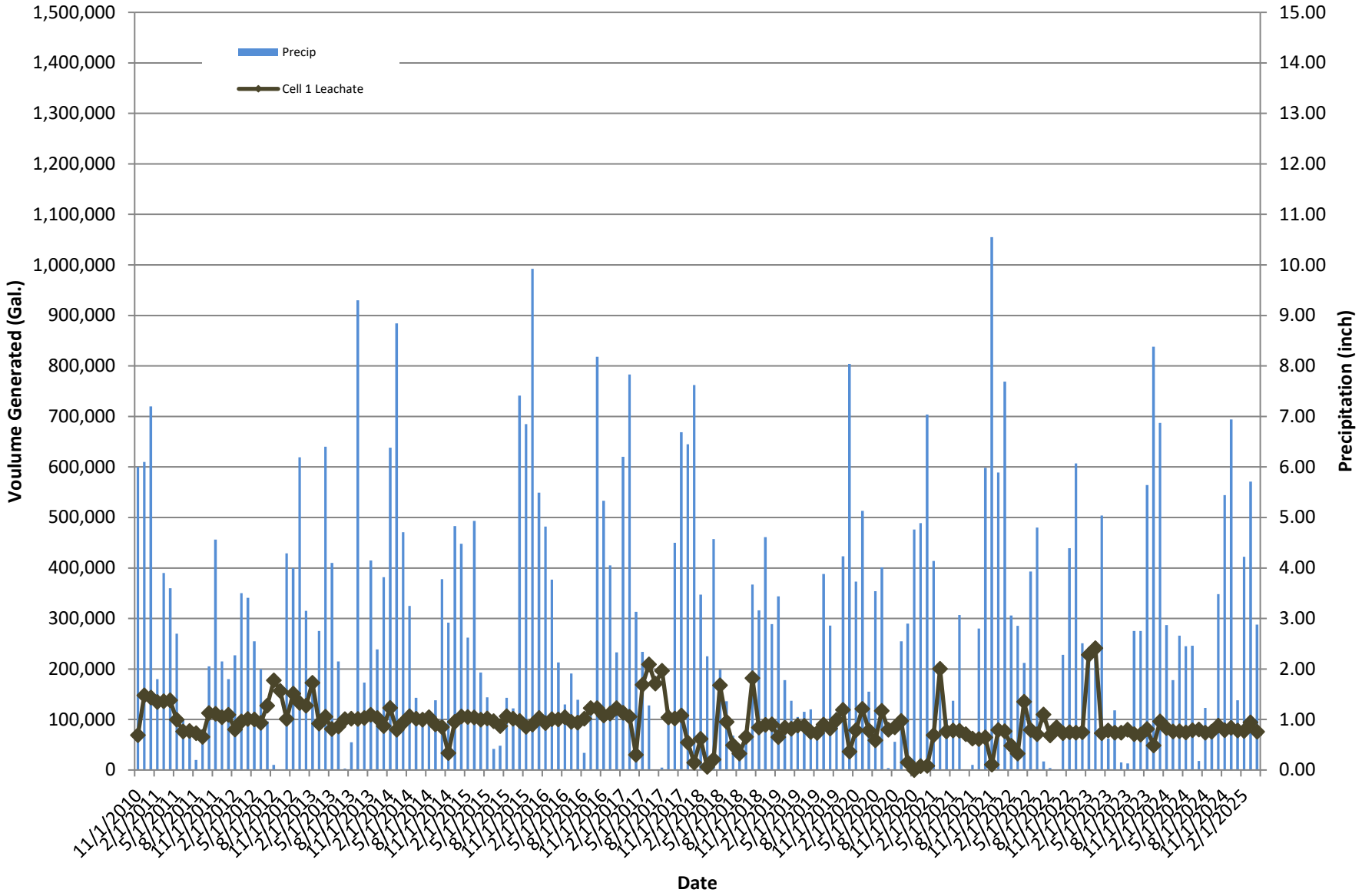
Date	Cell 1 Leachate Volume (GPD)	Cell 1 Leachate Level (in.)	Cell 2A Leachate Volume (GPD)	Cell 2A Leachate Level (in.)	Cell 2B Leachate Volume (GPD)	Cell 2B Leachate Level (in.)	Cell 3A Leachate Volume (GPD)	Cell 3A Leachate Level (in.)	Cell 4A Leachate Volume (GPD)	Cell 4A Leachate Level (in.)	Cell 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.)
1/1/2025	3,469	10.9	1,383	0.0	4,284	9.6	9,430	10.6	6,682	9.3	13,090	9.4	0	0.0	0	0.0	0	0.0	26,608	21.0	0	0.0
1/2/2025	3,198	10.9	1,383	21.4	4,307	9.6	8,696	12.0	13,193	8.6	13,504	9.4	6,565	14.4	32,935	13.4	38,918	11.1	22,966	15.6	87,394	12.1
1/3/2025	2,058	10.9	1,383	22.2	4,387	9.5	8,062	16.5	6,898	9.2	14,032	9.5	3,119	9.2	18,471	11.8	18,415	15.2	46,571	20.1	38,153	12.2
1/4/2025	3,379	11.0	1,383	0.0	4,218	9.5	6,322	13.4	6,995	8.7	15,206	9.5	0	0.0	0	0.0	0	0.0	37,294	14.9	0	0.0
1/5/2025	0	11.4	1,383	0.0	4,042	9.5	7,840	9.9	6,999	8.9	15,926	9.5	0	0.0	0	0.0	0	0.0	50,550	20.9	0	0.0
1/6/2025	1,708	11.1	1,389	24.6	4,003	9.5	8,457	7.4	13,321	9.3	13,694	9.5	9,510	14.6	51,140	13.7	57,294	12.8	21,810	15.5	128,018	11.9
1/7/2025	3,500	10.8	0	26.0	4,056	9.5	8,040	8.3	6,790	8.4	13,196	9.4	2,697	14.0	10,762	15.3	13,898	13.0	21,723	19.7	41,190	11.9
1/8/2025	1,547	10.9	552	27.3	4,150	9.5	7,464	8.8	20,764	9.2	12,334	9.4	3,003	14.5	17,538	13.3	15,208	14.2	31,614	14.6	37,032	12.1
1/9/2025	3,370	10.9	820	28.5	4,116	9.5	6,703	10.9	3,328	8.8	13,266	9.4	3,568	14.2	12,458	15.6	13,678	15.2	22,439	20.0	44,293	11.9
1/10/2025	1,826	11.2	19,172	30.2	4,061	9.5	7,819	13.2	6,444	9.0	13,206	9.4	3,580	9.5	11,730	14.1	22,618	14.1	30,850	15.1	37,134	12.2
1/11/2025	2,990	11.0	1,518	0.0	3,963	9.5	1,574	2.2	6,728	8.9	13,336	9.4	0	0.0	0	0.0	0	0.0	22,137	20.3	0	0.0
1/12/2025	1,563	11.0	1,232	0.0	4,038	9.5	0	0.0	19,684	9.0	12,794	9.5	0	0.0	0	0.0	0	0.0	17,904	15.9	0	0.0
1/13/2025	3,252	10.8	768	0.1	3,963	9.7	241	0.0	6,418	8.6	12,762	9.4	8,763	15.0	47,388	14.2	42,557	14.1	17,956	20.8	125,520	12.1
1/14/2025	1,649	10.9	3	2.9	4,041	9.5	1,512	6.2	6,704	9.0	12,238	9.4	2,885	14.6	10,224	15.9	13,311	14.4	18,058	15.9	42,608	12.2
1/15/2025	5,044	10.6	2	6.1	4,100	9.5	2,180	12.8	6,711	9.0	12,950	9.5	3,166	13.9	15,671	14.1	13,320	15.5	22,742	20.0	39,801	12.0
1/16/2025	1,627	10.8	3	8.2	4,090	9.5	2,139	13.4	6,596	9.1	13,532	9.4	3,133	13.6	10,342	15.8	18,305	9.8	19,776	15.8	41,109	12.0
1/17/2025	1,476	11.1	92	8.6	4,051	9.5	3,274	12.6	6,762	9.1	14,242	9.5	3,219	9.0	15,098	15.3	15,598	13.7	22,871	20.5	42,476	12.2
1/18/2025	3,162	11.0	15	0.0	4,226	9.5	2,180	13.2	12,239	9.2	13,886	9.3	0	0.0	0	0.0	0	0.0	17,193	15.9	0	0.0
1/19/2025	1,557	11.0	1	0.0	4,076	9.3	3,253	13.6	13,335	9.7	13,668	9.9	0	0.0	0	0.0	0	0.0	21,750	19.5	0	0.0
1/20/2025	3,160	10.8	5,396	15.7	4,084	9.5	3,229	13.1	3,716	9.3	13,258	9.3	9,000	9.2	40,681	14.6	39,801	15.4	16,026	16.0	124,257	12.1
1/21/2025	1,759	10.9	0	8.3	4,010	9.5	2,174	12.7	24,611	7.5	20,892	9.5	2,995	14.7	14,097	14.3	19,469	12.9	21,302	19.7	45,569	12.0
1/22/2025	3,139	10.7	4,806	10.4	3,927	10.6	3,253	12.8	3,405	9.9	21,720	9.5	2,765	6.2	14,545	12.9	12,786	13.4	15,164	16.1	39,424	12.2
1/23/2025	1,623	11.0	0	4.5	4,074	12.2	2,218	13.1	10,050	8.5	20,072	9.5	3,082	11.9	9,262	15.9	12,673	14.8	20,688	19.6	45,157	10.6
1/24/2025	3,111	10.9	0	6.7	4,299	12.3	3,149	12.5	12,877	8.3	15,530	9.5	3,172	11.7	13,631	15.8	12,405	15.7	15,591	16.1	40,299	6.8
1/25/2025	1,528	11.0	0	0.0	4,085	12.2	3,263	12.7	6,928	8.7	14,034	9.3	3,155	11.7	0	0.0	0	0.0	22,065	20.0	0	0.0
1/26/2025	2,900	10.9	0	0.0	4,359	12.2	3,260	12.7	6,585	9.1	13,712	9.2	3,198	11.8	0	0.0	0	0.0	15,483	16.1	0	0.0
1/27/2025	2,916	11.0	0	12.8	4,102	12.2	3,226	12.7	6,626	9.0	13,242	9.2	3,152	11.8	43,144	15.3	48,432	14.5	21,332	19.9	130,180	8.6
1/28/2025	2,168	10.9	0	15.3	4,364	12.2	3,227	12.7	6,666	9.0	13,820	9.3	3,281	11.8	16,592	10.0	12,496	15.6	15,449	16.2	39,999	9.2
1/29/2025	3,037	10.8	0	16.9	4,220	12.1	3,217	12.7	6,908	9.0	14,226	9.3	3,468	11.7	12,704	14.7	17,381	10.0	21,422	19.9	39,801	11.2
1/30/2025	3,059	10.8	0	19.1	4,415	12.2	3,248	12.9	11,970	9.3	14,134	9.4	3,244	11.7	15,425	10.1	14,325	14.4	15,050	16.2	43,016	11.4
1/31/2025	3,567	10.8	3	21.5	4,352	12.2	3,251	12.9	27,766	7.5	15,426	9.5	3,904	11.4	15,572	15.3	15,330	16.8	52,427	20.4	44,951	8.8
2/1/2025	1,731	11.0	0	0.0	4,129	12.2	4,353	12.4	28,915	7.8	17,392	9.5	3,732	11.6	0	0.0	0	0.0	26,455	15.4	0	0.0
2/2/2025	2,922	10.9	3	0.0	4,403	12.2	3,305	13.0	10,173	8.6	16,614	9.4	3,806	11.1	0	0.0	0	0.0	22,063	20.8	0	0.0
2/3/2025	2,956	10.9	0	26.7	4,424	12.2	4,177	12.2	11,706	7.8	16,402	9.3	3,861	11.3	57,170	10.9	55,549	15.9	17,335	15.9	145,828	10.3
2/4/2025	2,832	11.0	17	25.4	4,406	12.2	4,319	13.0	6,768	8.9	16,512	9.2	3,586	11.4	15,827	14.8	14,107	11.1	22,787	20.8	48,092	8.1
2/5/2025	1,388	11.0	639	25.9	4,091	12.3	3,200	12.2	6,586	9.4	14,346	9.2	3,460	11.3	15,772	13.7	16,996	14.9	16,760	16.0	45,554	11.6
2/6/2025	3,341	11.0	0	26.7	4,354	12.2	3,205	13.0	12,288	9.1	14,490	9.4	3,292	11.4	14,705	14.1	12,538	11.9	21,135	19.9	45,124	10.0
2/7/2025	72	11.1	751	27.2	4,022	12.3	3,697	12.8	1,321	9.0	13,378	9.2	3,203	11.4	16,107	13.0	17,615	13.8	13,938	16.3	42,734	8.3
2/8/2025	1,250	11.3	0	0.0	4,062	12.3	2,658	12.7	6,631	8.9	12,466	9.3	2,956	11.5	0	0.0	0	0.0	23,180	20.4	0	0.0
2/9/2025	2,549	10.9	0	0.0	4,048	12.3	3,191	12.6	6,807	8.8	12,198	9.2	2,973	11.7	0	0.0	0	0.0	21,116	15.7	0	0.0
2/10/2025	2,475	11.0	21,251	32.1	4,043	12.3	3,187	12.7	6,794	8.8	12,456	9.1	3,023	11.7	37,660	12.9	39,368	15.2	20,204	19.8	137,912	11.9
2/11/2025	3,425	10.9	816	0.0	4,037	12.3	3,169	12.8	6,560	9.1	12,240	9.1	3,121	11.6	14,124	13.8	11,946	15.8	13,926	16.3	44,758	7.9
2/12/2025	3,120	11.0	3	3.4	4,190	12.4	4,286	12.6	6,758	9.0	13,552	9.2	3,559	11.4	14,086	14.2	18,926	13.9	20,753	19.9	42,529	11.1
2/13/2025	3,682	10.9	3	7.1	4,279	12.3	3,267	12.5	6,877	8.9	15,192	9.2	3,726	11.2	13,113	14.2	12,528	16.0	16,632	16.0	45,648	7.9
2/14/2025	1	11.0	234	6.9	4,330	12.4	4,247	12.6	6,675	8.9	13,052	9.3	3,357	11.6	13,842	14.2	19,046	14.5	27,163	20.5	45,341	7.3
2/15/2025	2,806	11.1	7	0.0	4,111	12.3	3,250	12.5	13,440	9.1	13,934	9.3	3,161	11.8	0	0.0	0	0.0	18,559	15.9	0	0.0
2/16/2025	3,340	10.9	1	0.0	4,078	12.3	3,230	12.7	13,471	8.1	13,942	9.5	3,305	11.6	0	0.0	0	0.0	50,920	20.5	0	0.0
2/17/2025	1,333	11.1	2	14.3	3,824	12.2	4,305	12.6	6,757	9.1	15,732	9.5	3,714	11.5	52,445	14.9	54,033	10.8	56,737	16.5	0	7.4
2/18/2025	3,582	10.9	1,491	12.8	3,829	12.3	3,287	12.7	6,798	9.2	16,182	9.5	3,225	11.7	13,451	17.3	19,321	9.2	21,276	20.4	0	11.3
2/19/2025	1,748	10.9	1	15.3	4,049	12.3	4,288	12.4	6,584	8.7	13,442	9.5	3,388	11.6	11,691	18.7	13,664	14.5	22,695	15.5	50,063	11.7
2/20/2025	1,510	11.1	0	15.9	3,741	12.4	3,247	12.9	6,791	9.1	13,058	9.4	3,202	11.7	16,706	11.3	13,554	15.1	19,538	19.9	52,782	9.8
2/21/2025	2,817	11.0	15	18.8	4,113	12.2	4,369	12.3	6,612	9.1	13,296	9.4	3,173	11.7	13,958	14.4	13,375	15.2	16,266	16.1	47,108	7.9
2/22/2025	3,134	11.0	1	0.0	3,835	12.3	3,236	12.9	6,796	8.9	13,766	9.5	3,433	11.3	0	0.0	0	0.0	31,536	22.0	0	0.0
2/23/2025	3,674	10.8	0	0.0	4,069	12.3	4,399	12.3	7,014	8.5	17,716	9.5	3,709	10.8	0	0.0	0	0.0	79,100	20.1	0	0.0
2/24/2025	3,225	10.9	643	24.0	4,145	12.2	4,387	12.5	7,445	9.2	19,382	9.6	3,721	10.7	63,159	11.0	61,688	13.9	37,073	21.5	194,018	10.4
2/25/2025	0	11.1	0	21.7	3,773	12.4	4,248	12.7	14,502	8.2	16,354	9.5	3,699	10.6	18,633	12.7	20,409	14.1	46,153	15.4	68,250	9.8
2/26/2025	2,729	10.9	16,634	24.7	3,784	12.3	3,303	12.8	7,108	9.3	16,278	9.3	3,133	11.2	16,622	13.6	12,979	10.4	20,226	20.7	61,194	9.1
2/27/2025	2,822	10.9	3	0.9	3,999	12.3	4,267	12.3	7,034	9.2	13,672	9.3	3,298	11.0	13,274	8.7	14,061	15.6	16,382	15.5	54,703	9.3
2/28/2025	2,980	11.0	514	4.1	3,833	12.2	3,255	12.7	13,135	8.5	13,482	9.2	3,413	10.9	10,231	12.7	14,801	15.8	19,995	20.7	51,014	7.0

Summary of Leachate Volume and Depth Data
First 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.)
3/1/2025	3,340	10.9	12	0.0	3,772	12.3	4,316	12.8	6,539	8.7	12,714	9.2	3,545	11.1	0	0.0	0	0.0	18,156	15.3	0	0.0
3/2/2025	2,713	11.1	0	0.0	4,226	12.4	3,221	12.3	7,235	9.8	12,316	9.4	3,250	11.1	0	0.0	0	0.0	20,665	20.8	0	0.0
3/3/2025	1,268	11.2	1	10.2	3,765	12.2	3,228	12.6	6,042	9.0	12,622	9.4	3,147	11.3	45,512	11.8	48,960	15.9	24,613	15.0	153,405	8.9
3/4/2025	2,693	10.9	0	13.0	4,057	12.4	3,208	12.7	6,755	8.9	14,340	8.9	3,138	11.2	15,933	12.3	19,138	14.0	22,704	21.0	51,540	9.6
3/5/2025	2,754	11.0	1	14.8	3,792	12.2	3,216	12.8	6,913	8.9	12,300	9.1	3,197	10.9	22,285	15.2	12,829	15.4	24,623	15.0	50,177	11.0
3/6/2025	3,177	10.9	1	16.5	3,799	12.3	3,217	12.8	6,808	8.9	12,762	8.9	3,363	11.0	20,863	13.0	18,975	14.2	22,089	21.5	50,098	8.9
3/7/2025	1,482	11.1	142	18.0	4,049	12.3	4,258	12.7	6,499	9.0	12,266	9.0	3,074	11.1	14,739	10.2	12,282	15.7	18,308	15.1	45,512	9.8
3/8/2025	2,867	11.0	22	0.0	3,781	12.2	3,186	12.5	6,704	8.9	11,930	8.9	3,126	11.0	0	0.0	0	0.0	20,671	21.1	0	0.0
3/9/2025	3,564	10.8	1	0.0	3,842	12.2	3,238	12.7	6,789	8.9	12,004	8.9	3,017	10.9	0	0.0	0	0.0	21,206	15.0	0	0.0
3/10/2025	2,878	11.0	673	23.4	3,773	12.3	3,227	12.2	6,987	9.0	13,812	8.8	3,307	10.8	54,318	19.3	55,173	10.8	36,184	22.0	149,106	11.0
3/11/2025	3,327	11.0	14,750	23.1	4,129	12.2	3,294	12.5	6,978	8.9	13,540	9.0	3,408	10.7	20,815	15.0	15,852	15.1	20,766	15.1	53,592	10.7
3/12/2025	3,501	11.0	5	1.5	4,163	12.2	4,374	12.6	13,977	8.9	15,008	8.9	3,668	10.5	21,338	16.2	18,740	14.5	25,010	21.7	46,916	11.8
3/13/2025	3,643	10.5	2	3.1	4,132	12.3	3,226	12.8	7,268	8.6	15,400	8.9	3,757	10.4	26,581	15.0	23,321	15.5	55,527	16.0	57,325	11.5
3/14/2025	5,446	10.3	392	7.0	4,233	12.3	4,368	12.3	6,983	8.9	16,960	9.0	3,540	10.6	22,001	14.1	16,363	15.7	27,072	22.3	53,977	7.7
3/15/2025	3,364	10.4	26	0.0	4,261	13.1	3,665	12.8	8,811	9.6	14,840	8.8	3,443	10.5	0	0.0	0	0.0	50,455	16.5	0	0.0
3/16/2025	3,554	10.4	1	0.0	4,399	12.3	3,979	12.1	19,271	8.0	16,196	8.9	3,456	10.7	0	0.0	0	0.0	55,081	20.0	0	0.0
3/17/2025	1,090	10.6	1,736	8.5	4,071	12.5	3,212	12.6	6,484	9.3	15,238	8.9	3,076	10.9	50,609	10.8	52,151	10.3	22,360	15.0	187,440	9.3
3/18/2025	2,841	10.3	1	10.8	3,763	12.5	3,187	12.8	3,321	9.3	13,154	8.7	2,913	11.0	9,314	13.6	14,363	13.8	22,272	21.9	49,374	9.6
3/19/2025	4,408	10.4	0	14.7	3,798	12.3	3,246	12.6	4,271	9.1	12,366	8.7	2,906	10.9	13,567	10.6	12,559	14.1	19,093	15.2	50,300	10.2
3/20/2025	3,310	10.4	0	15.1	4,039	12.4	3,215	12.8	12,750	7.9	11,518	8.6	3,140	10.8	21,338	13.8	12,257	15.1	25,899	21.7	62,481	8.4
3/21/2025	3,767	10.3	12	17.4	4,232	12.3	3,235	12.4	7,037	9.1	11,858	8.6	3,178	10.9	21,553	20.3	12,682	15.9	43,441	14.4	36,739	11.0
3/22/2025	2,021	10.5	240	0.0	3,526	12.3	3,186	12.7	6,786	9.2	12,914	8.7	3,197	11.1	0	0.0	0	0.0	29,646	22.2	0	0.0
3/23/2025	1,368	10.8	0	0.0	3,812	12.3	3,252	12.6	6,063	9.6	13,460	8.7	3,230	10.4	0	0.0	0	0.0	52,848	14.6	0	0.0
3/24/2025	3,249	10.4	396	20.7	3,796	12.3	4,278	12.6	18,778	8.4	14,150	8.8	3,223	11.1	70,578	24.4	51,772	13.7	44,322	21.1	164,332	12.0
3/25/2025	2,453	10.6	399	21.6	4,109	12.4	3,219	12.3	1,578	9.1	12,366	9.2	3,288	11.0	10,815	14.8	12,375	15.1	26,435	14.9	58,637	11.2
3/26/2025	5,344	10.3	412	23.1	3,818	12.2	3,241	12.5	6,653	8.9	14,214	9.1	3,387	11.0	15,276	12.7	12,610	15.8	27,596	21.6	51,501	10.1
3/27/2025	2,812	10.6	14,985	22.7	4,443	12.3	4,431	12.5	13,760	8.2	16,228	8.9	3,503	10.8	19,831	15.2	20,589	15.2	43,425	15.9	60,716	8.6
3/28/2025	2,072	10.5	933	-0.4	4,095	12.4	3,221	12.5	6,796	9.4	14,286	8.7	3,217	11.0	13,955	12.0	16,062	10.0	24,297	22.0	52,535	7.1
3/29/2025	2,984	10.3	62	0.0	3,808	12.3	4,294	12.8	6,559	8.9	14,100	8.7	3,070	11.2	0	0.0	0	0.0	21,700	15.2	0	0.0
3/30/2025	4,291	10.3	4	0.0	4,067	12.4	3,200	12.3	6,673	9.0	13,022	8.8	3,241	11.0	0	0.0	0	0.0	21,569	21.7	0	0.0
3/31/2025	2,581	10.4	3	8.0	3,788	12.3	3,223	12.9	13,038	8.3	13,548	8.6	3,243	10.7	37,768	15.6	37,862	14.8	22,463	15.1	149,887	8.3

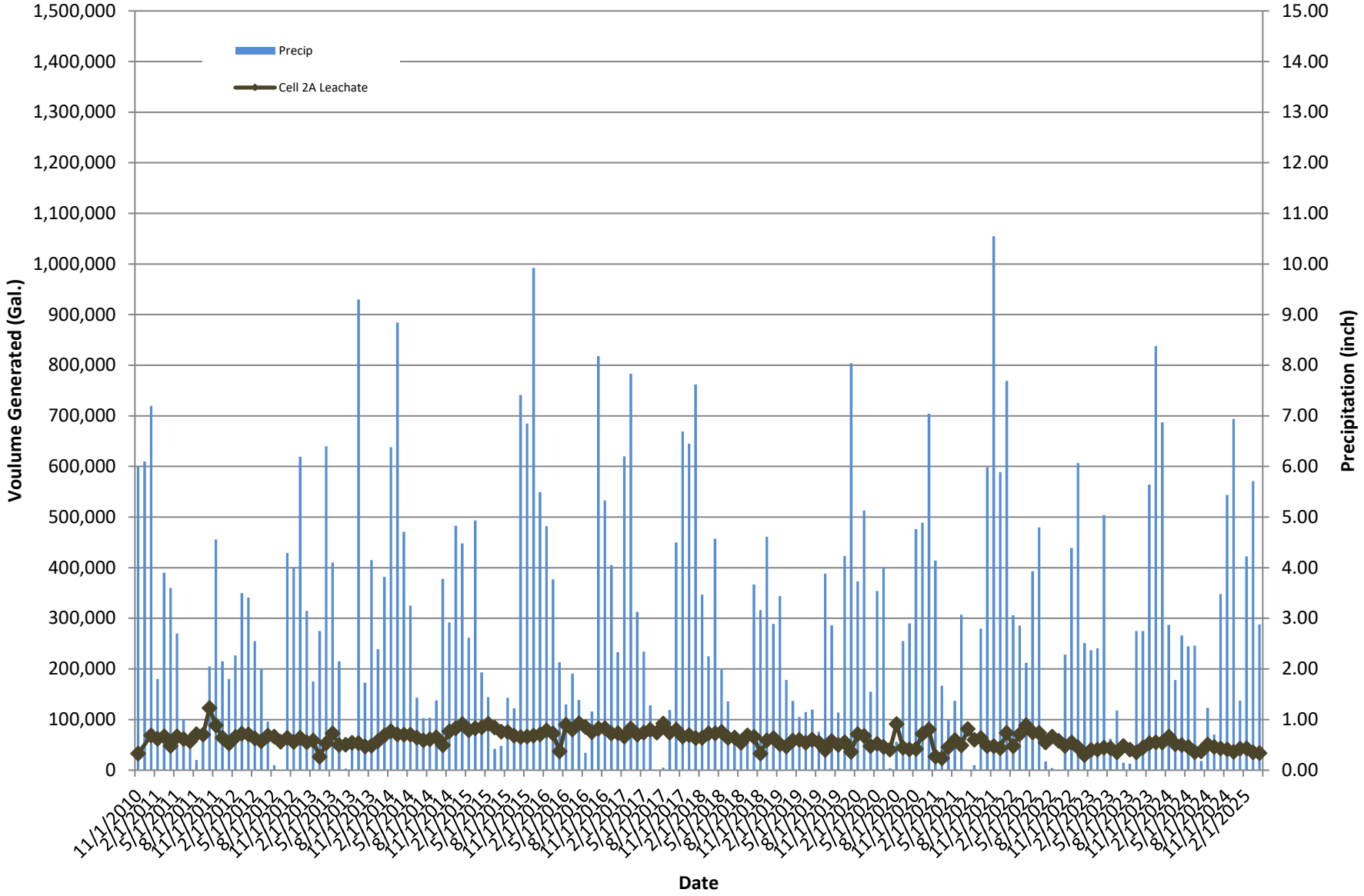
Cell 1 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



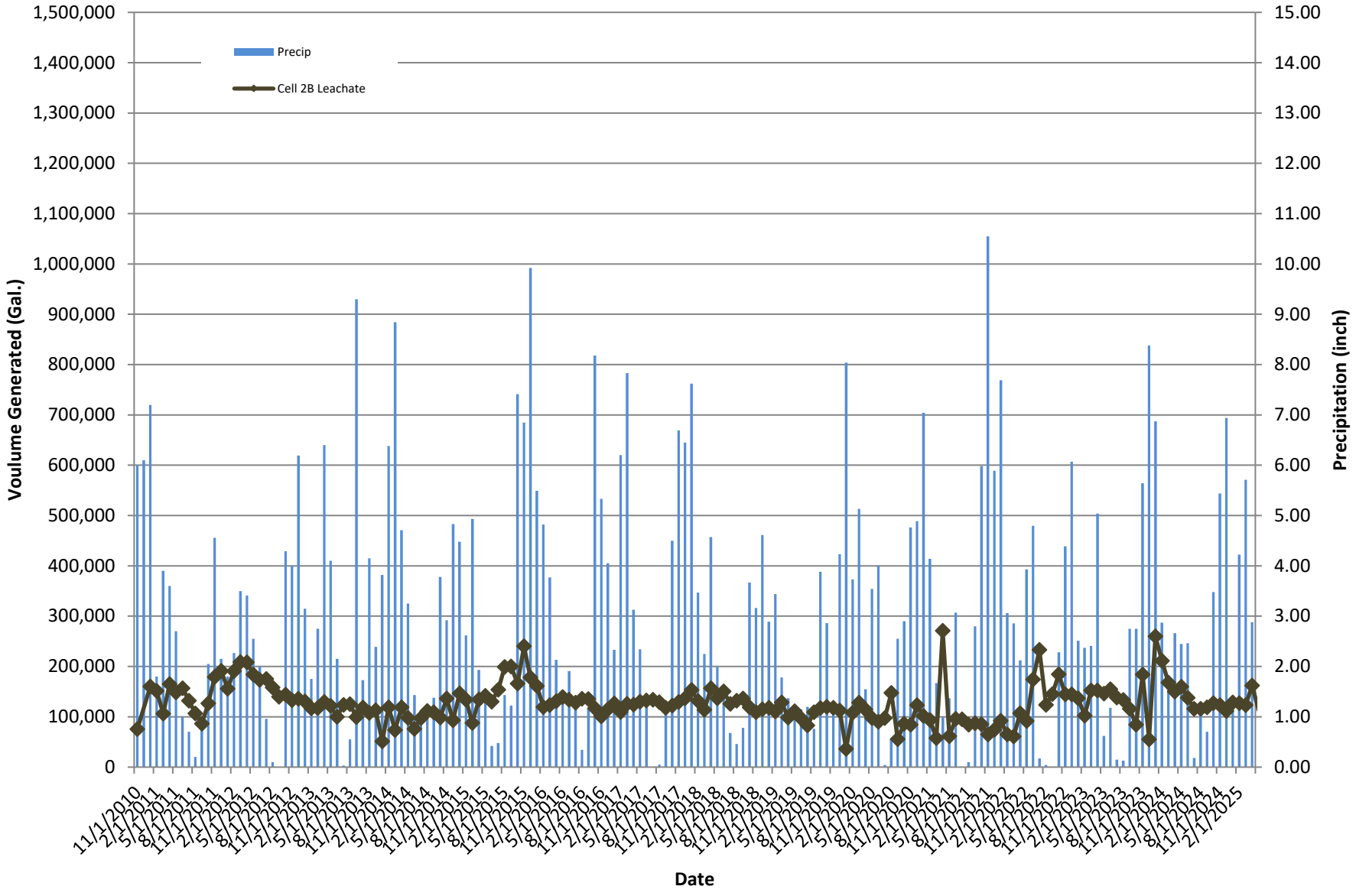
Cell 2A Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



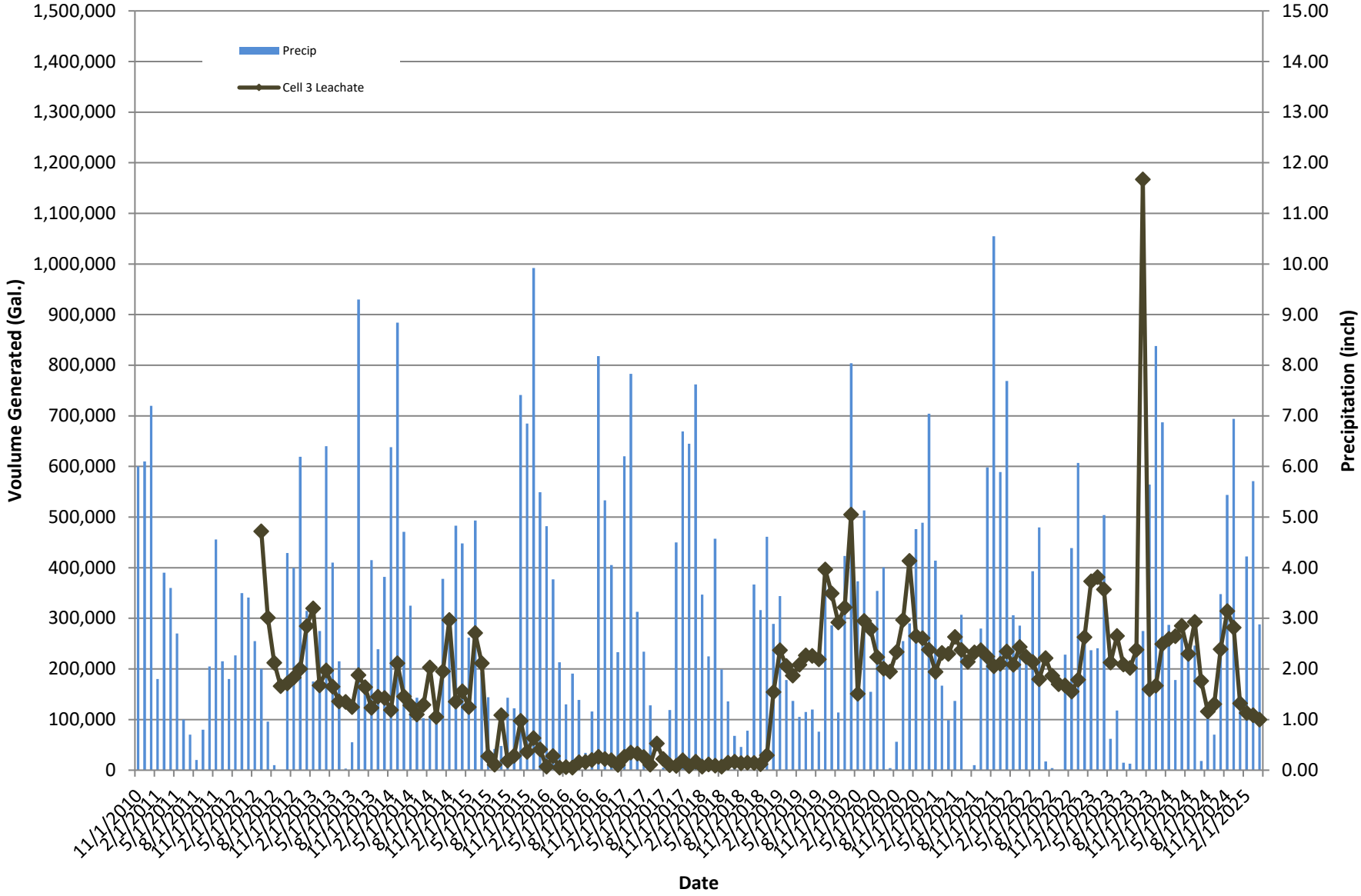
Cell 2B Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



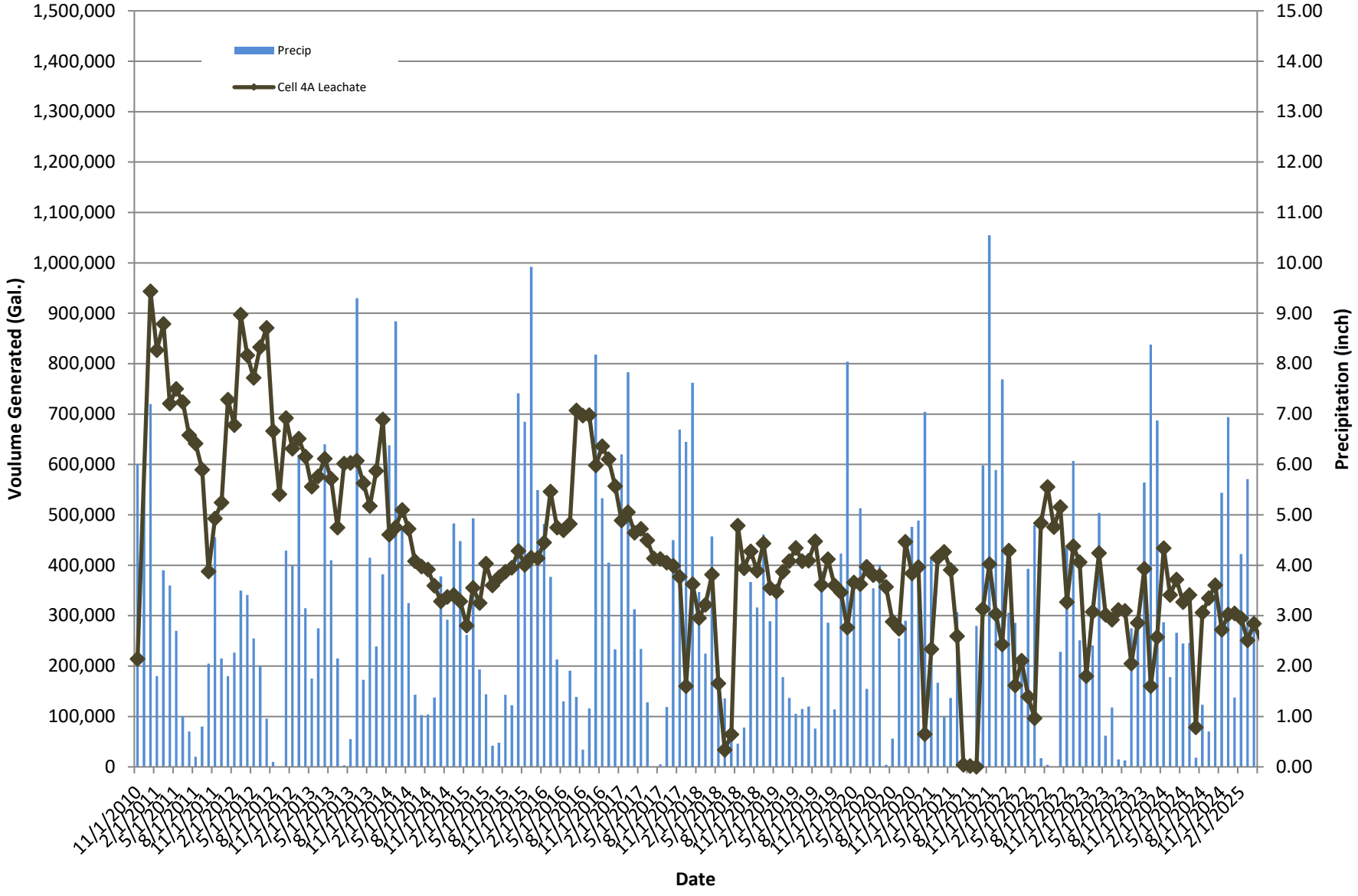
Cell 3A Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



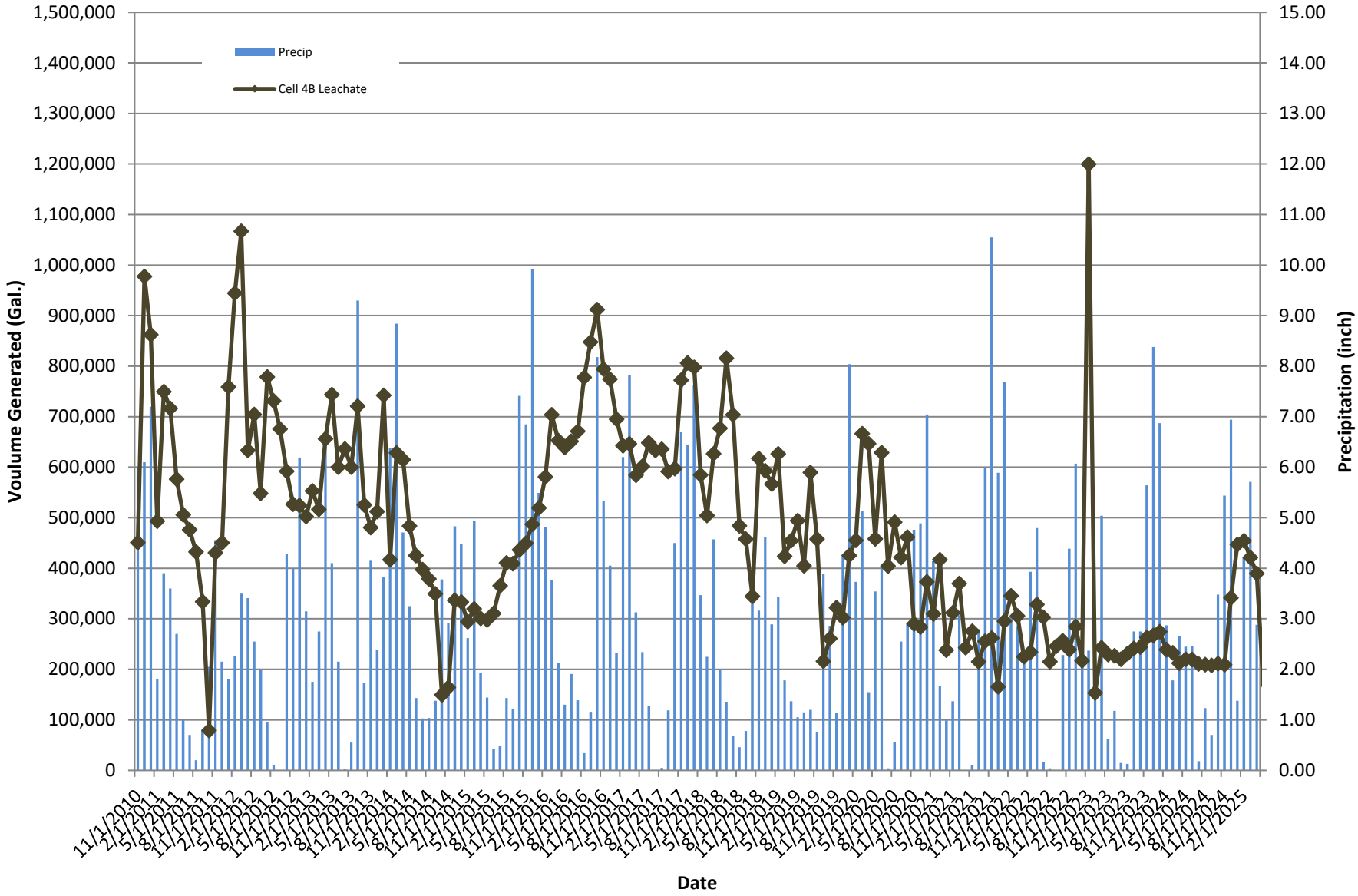
Cell 4A Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



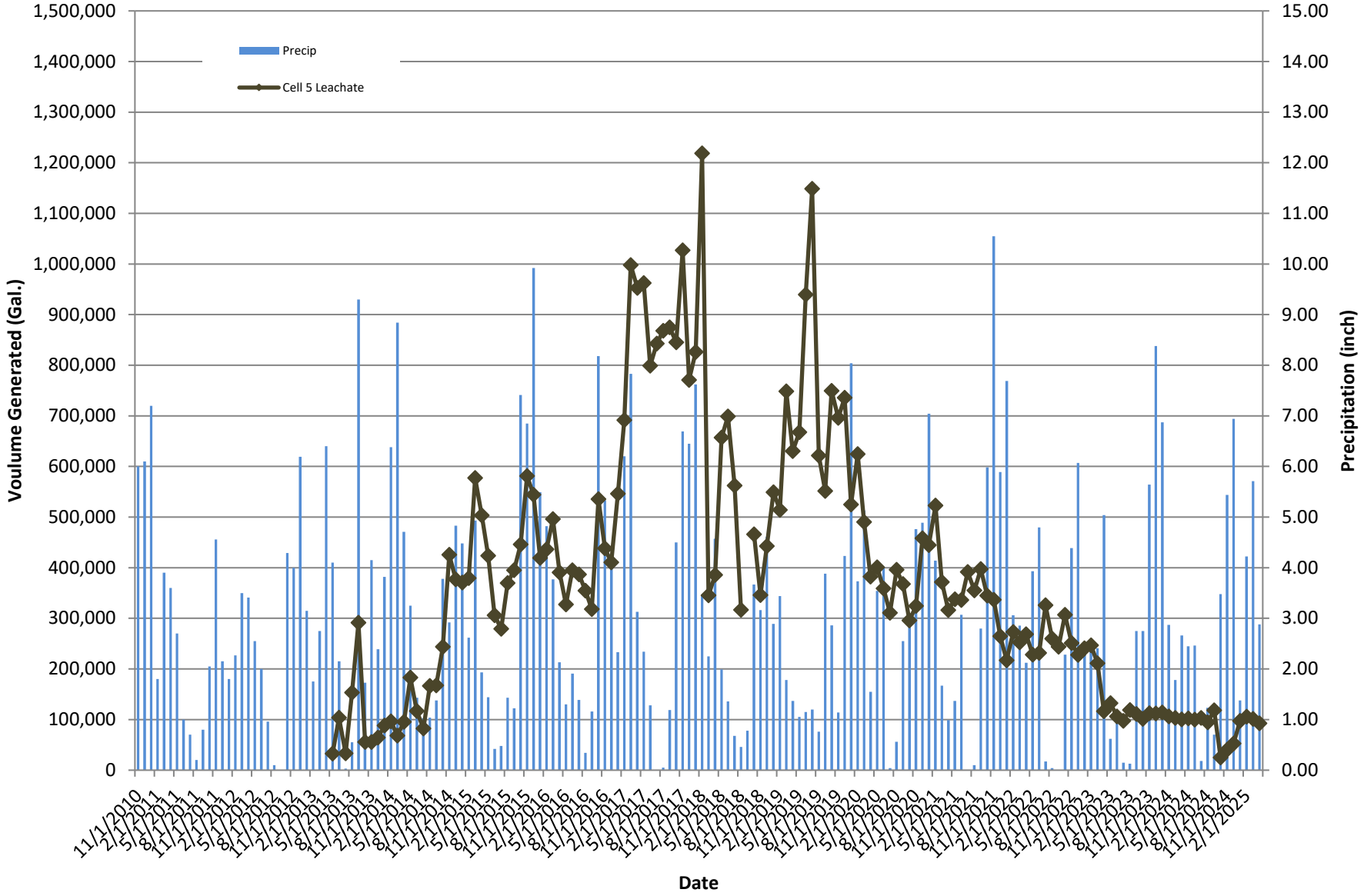
Cell 4B Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



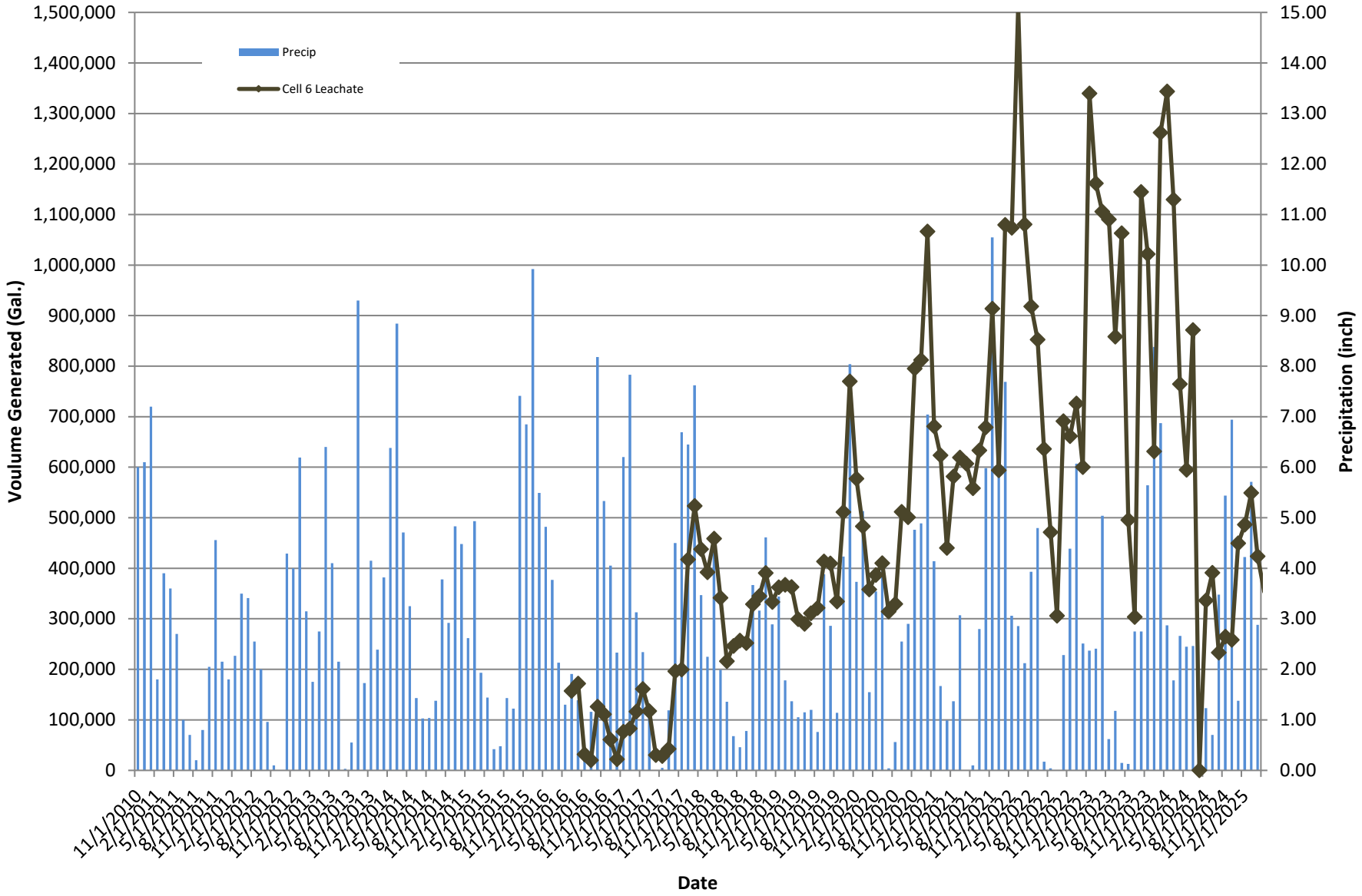
Cell 5 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



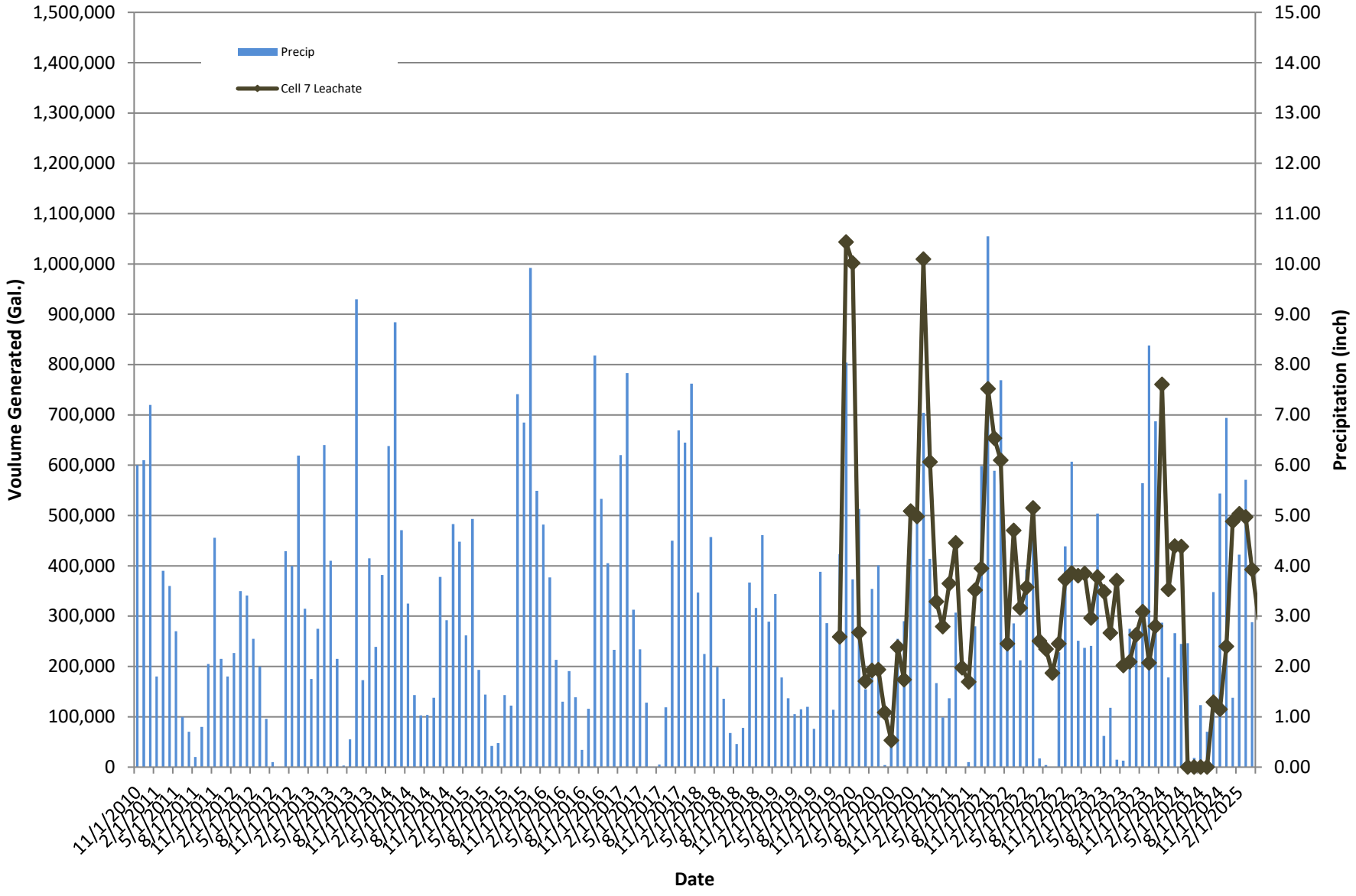
Cell 6 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



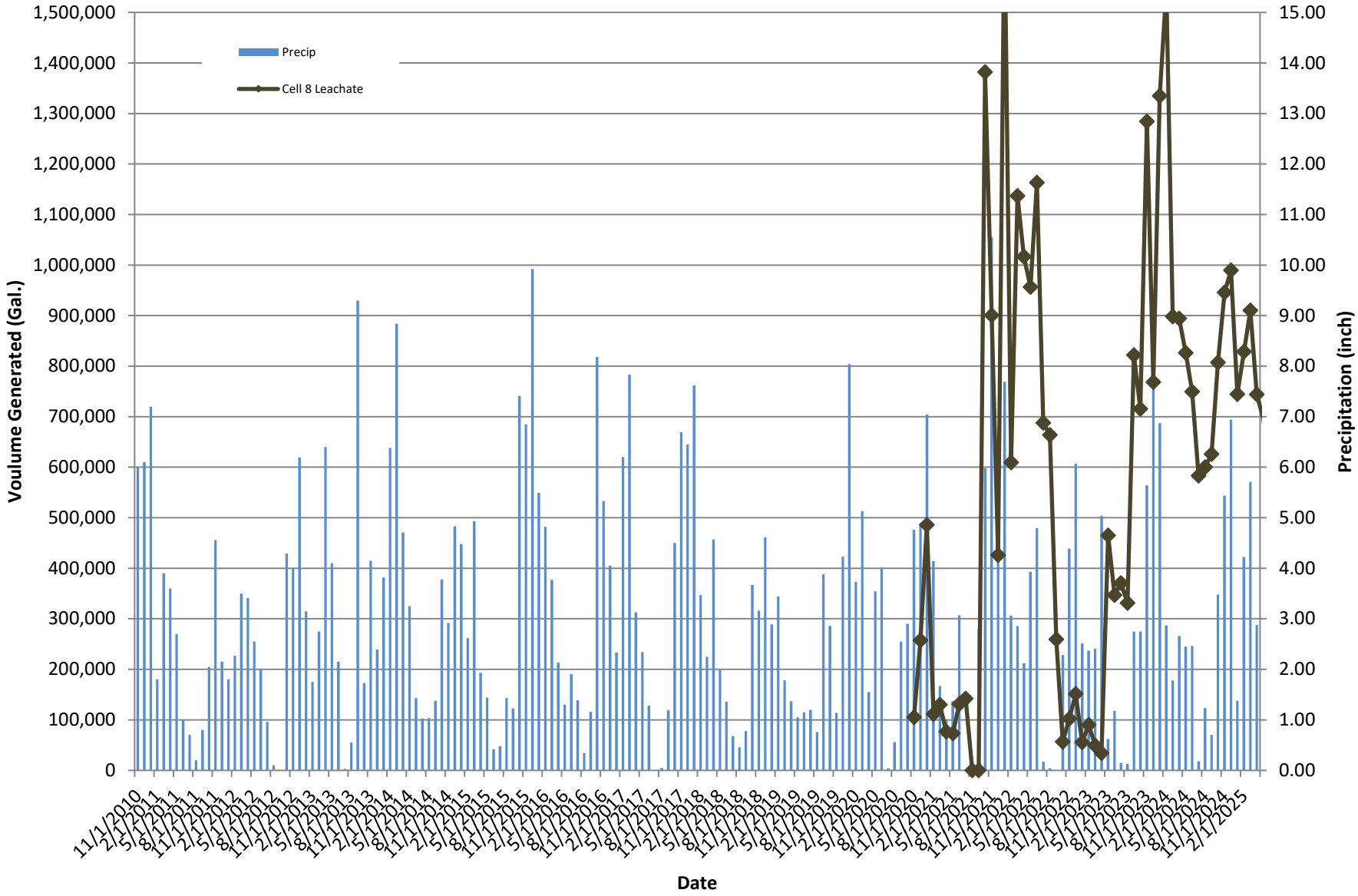
Cell 7 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



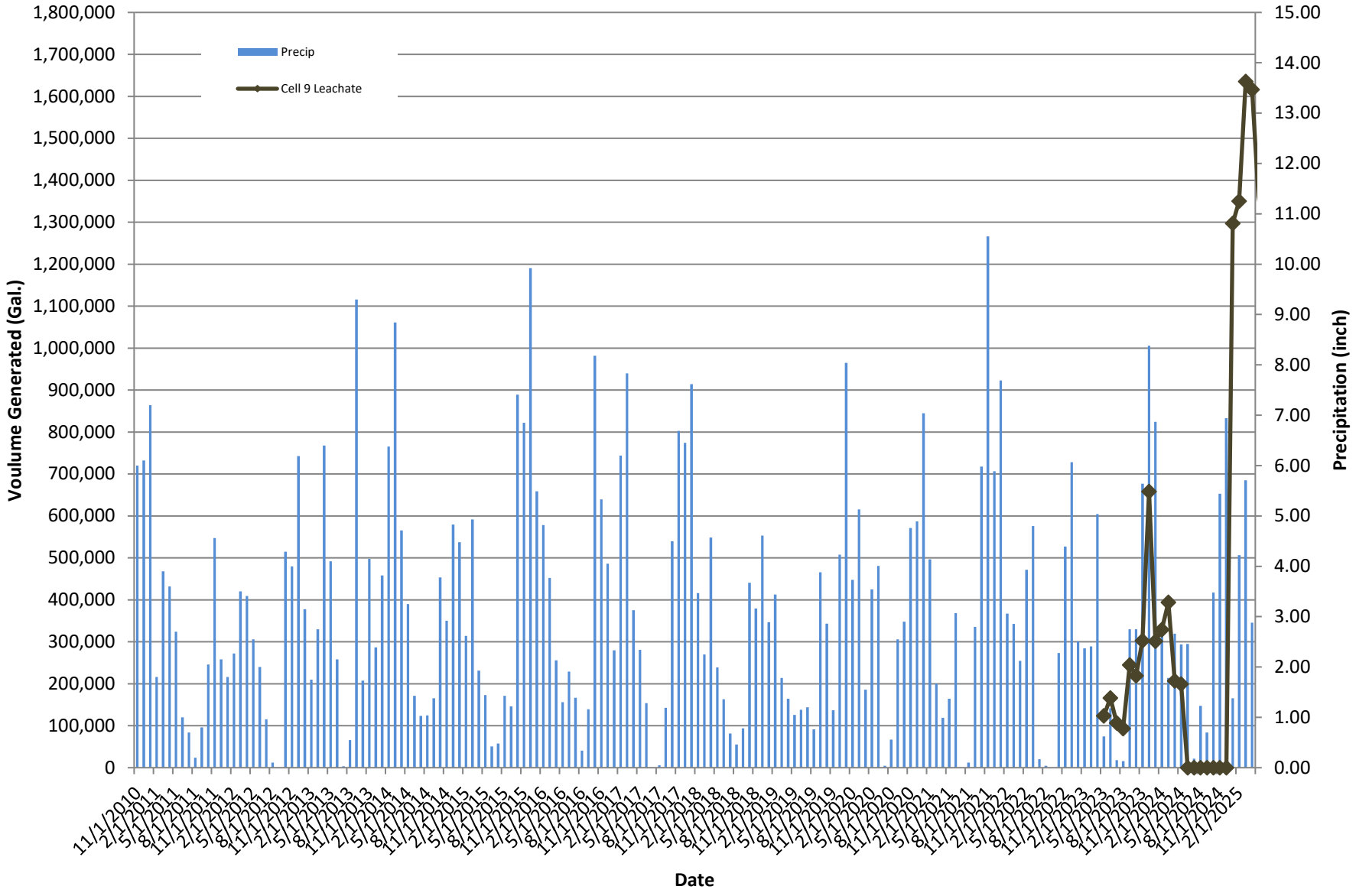
Cell 8 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



Cell 9 Monthly Leachate Generation vs Precipitation

LRI Landfill, Pierce County, WA



Attachment I

Surface Water Monitoring Data

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR002603 **Permittee:** LRI 304th Street Landfill

Facility County: Pierce **Receiving Waterbody:** South Creek

Monitoring Period: 01/01/2025 - 01/31/2025 **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-Th	**1/2/25**	3.8	7.1				
1-F	**1/3/25**	7.5	7				
2-Su	**1/5/25**	C	C	C	C	C	C
3-Su	**1/12/25**	C	C	C	C	C	C
4-Su	**1/19/25**	C	C	C	C	C	C
5-Su	**1/26/25**	C	C	C	C	C	C
Minimum			7				
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		7.5	7.1				
		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
C8-2	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		Sediment Trap
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.

Kevin Green — **Signature**

2/13/2025 11:21:54 AM — **Date**

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR002603 **Permittee:** LRI 304th Street Landfill

Facility County: Pierce **Receiving Waterbody:** South Creek

Monitoring Period: 02/01/2025 - 02/28/2025 **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-Sa	**2/1/25**	C	M	C	M	C	M
2-Th	**2/6/25**	C	M	C	M	C	M
3-W	**2/12/25**	C	M	C	M	C	M
4-M	**2/17/25**	3.2	M	C	M	C	M
4-T	**2/18/25**	4.2	M	C	M	C	M
5-Su	**2/23/25**	6.6	M	C	M	C	M
5-W	**2/26/25**	C	M	C	M	C	M
Minimum							
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		6.6					
		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, M - Monitoring Is Conditional/Not Req This MP

BMPs

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

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Kevin Green — **Signature**

3/13/2025 8:38:56 AM — **Date**

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR002603 **Permittee:** LRI 304th Street Landfill

Facility County: Pierce **Receiving Waterbody:** South Creek

Monitoring Period: 03/01/2025 - 03/31/2025 **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-Sa	**3/1/25**	C	M	C	M	C	M
2-W	**3/5/25**	C	M	C	M	C	M
3-M	**3/10/25**	2.0	7.3	C	M	C	M
3-Sa	**3/15/25**	4.0	7.4	C	M	C	M
4-W	**3/19/25**	C	M	C	M	C	M
5-M	**3/24/25**	3.3	7.2	C	M	C	M
5-Th	**3/27/25**	3.8	7.5	C	M	C	M
6-M	**3/31/25**	C	M	C	M	C	M
Minimum			7.2				
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		4	7.5				
		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, M - Monitoring Is Conditional/Not Req This MP

BMPs

Monitoring Point	Week	BMP
C8-1		Check Dams
C8-1		Construction Stormwater Chemical Treatment
C8-1		Other
C8-1		Sediment Trap
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**

4/4/2025 2:09:57 PM — **Date**

Washington State Department of Ecology **Discharge Monitoring Report (DMR)**

Permit Number: WAR002557 **Permittee:** LRI - 304th Street Landfill

Facility County: Pierce **Receiving Waterbody:** Discharge from SW pond

Monitoring Period: 01/01/2025 - 03/31/2025 **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
8-M	2/17/25	3.5	7.8	No	6.2	13	B|1.6	B|1.6	B|1.6	B|1.6	B|1.2	B|1.6
Minimum			7.8									
			BM: >= 5.0 (RO)									
Average		3.5			6.2	13	B|1.6	B|1.6	B|1.6	B|1.6	B|1.2	B|1.6
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			7.8									
			BM: <= 9.0 (RO)									
Month 1 Average												
Month 2 Average												
Month 3 Average												

Reporting Codes Used: B - Below Detection Limit/No Detection, J - Estimated Value/Below Quantitation Limit

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

5/7/2025 3:51:31 PM

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-terpineol (3-Cyclohexene-1-methanol,.alpha.,alpha.,4-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
8-M	**2/17/25**	B|2	2.9	J|0.25	B|5.8	B|50	B|10	B|10
Minimum								
Average								
Maximum								
Month 1 Average		B|2	2.9	J|0.25	B|5.8	B|50	B|10	B|10
		<= 37	<= 27	<= 4.9	<= 14	<= 71	<= 16	<= 15
Month 2 Average		B|2	2.9	J|0.25	B|5.8	B|50	B|10	B|10
		<= 37	<= 27	<= 4.9	<= 14	<= 71	<= 16	<= 15
Month 3 Average		B|2	2.9	J|0.25	B|5.8	B|50	B|10	B|10
		<= 37	<= 27	<= 4.9	<= 14	<= 71	<= 16	<= 15

Attachment J

Landfill Gas Monitoring Data

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04225001.04

LRI Landfill

January-25

Location Refer *Design.*	Date	Time	$P_{(well)}$ (in W.C.)	Gas Composition - *Note 1*					Depth to Water *Note 2* (ft-TOC)	Exposed Portion of Perforations - *Note 3*		Comments
				CH_4 Spike (% by vol.)	CH_4 (% by vol.)	CO_2 (% by vol.)	O_2 (% by vol.)	Balance (N_2 & H_2O) (% by vol.)		(ft)	(%)	
Normal Operating Rage:												
(min)			-	-	0.3	-	-				20.0	
(max)			0.00	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	1/17/2025	9:40	0.00	17.8	9.1	6.2	19.2	65.5	13.1	0.0	0.0	
GP-2	1/17/2025	9:40	0.00	--	2.9	15.5	0.0	81.6	15.6	0.0	0.0	
GP-3	1/17/2025	9:40	0.00	--	0.0	3.3	17.7	79.0	9.3	0.0	0.0	
GP-4	1/17/2025	9:40	0.00	--	0.0	5.1	13.5	81.4	9.5	0.0	0.0	
GP-9	1/17/2025	9:40	0.00	--	0.0	9.0	6.1	84.9	10.9	0.0	0.0	
GP-10	1/17/2025	9:40	0.00	--	19.1	28.3	0.0	52.6		0.0	0.0	
GP-10P	1/17/2025	9:40	0.00	5.6	0.4	10.3	13.2	76.1		0.0	0.0	
GP-11	1/17/2025	9:40	0.00	--	1.4	11.9	11.3	75.4		0.0	0.0	
GP-12	1/17/2025	9:40	0.00	--	6.0	39.0	0.0	55.0		0.0	0.0	
GP-13	1/17/2025	9:40	0.00	--	0.1	0.9	21.2	77.8		0.0	0.0	
GP-14	1/17/2025	9:40	0.00	--	0.0	4.0	17.1	78.9	15.7	0.0	0.0	
GP-15	1/17/2025	9:40	0.00	--	2.7	49.2	0.0	48.1	16.6	0.0	0.0	
GP-16	1/17/2025	9:40	0.00	--	0.1	0.2	22.4	77.3	19.4	0.0	0.0	
GP-17	1/17/2025	9:40	0.0	--	0.0	0.2	21.5	78.3	5.8	0.0	0.0	
GP-18	1/17/2025	9:40	0.0	--	0.0	0.1	21.7	78.2	4.0	0.0	0.0	
GP-19	1/17/2025	9:40	0.0	--	0.0	1.5	20.8	77.7	8.1	0.0	0.0	
GP-20	1/17/2025	9:40	0.0	0.2	0.1	0.6	20.2	79.1	dry	0.0	0.0	
GP-21	1/17/2025	9:40	0.0	--	0.0	0.3	21.4	78.3	dry	0.0	0.0	

General Data:

	Beginning	Ending	Average
Weather:	Sunny	Sunny	Sunny
Temperature, T (deg F):	62	69	65.5
Wind Speed (mph):	5	10	7.5
Wind Direction:	292.5	315	303.75
Barometric Pressure, P (in Hg):	29.62	29.61	29.62
24hr Baro.Trend (rising / falling / steady / unsteady)	Falling		

Starting Date:	1/17/2025
Starting Time:	9:40
Finishing Date:	1/17/2025
Finishing Time:	9:40
Monitored by:	AD
Instruments:	Elkins Envision
Calibration Date:	1/17/2025

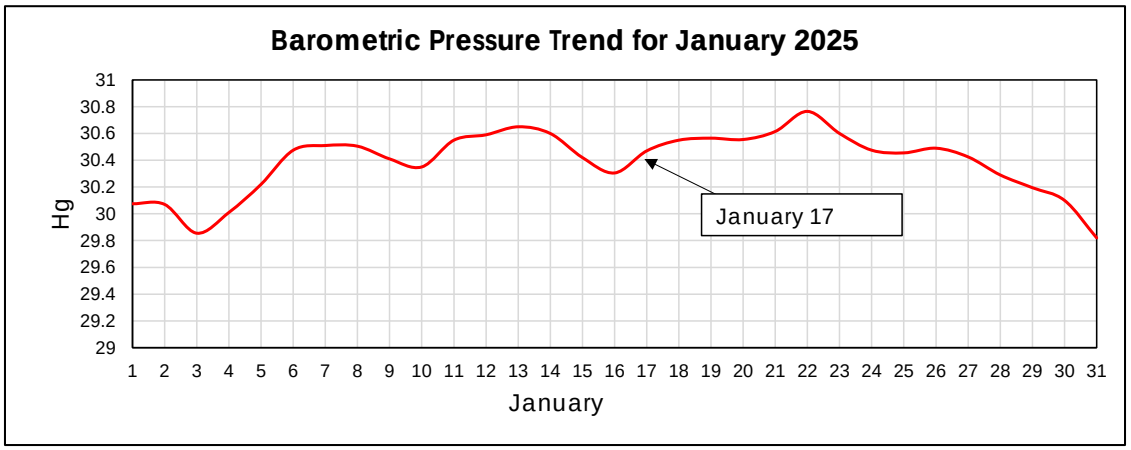
Headings:

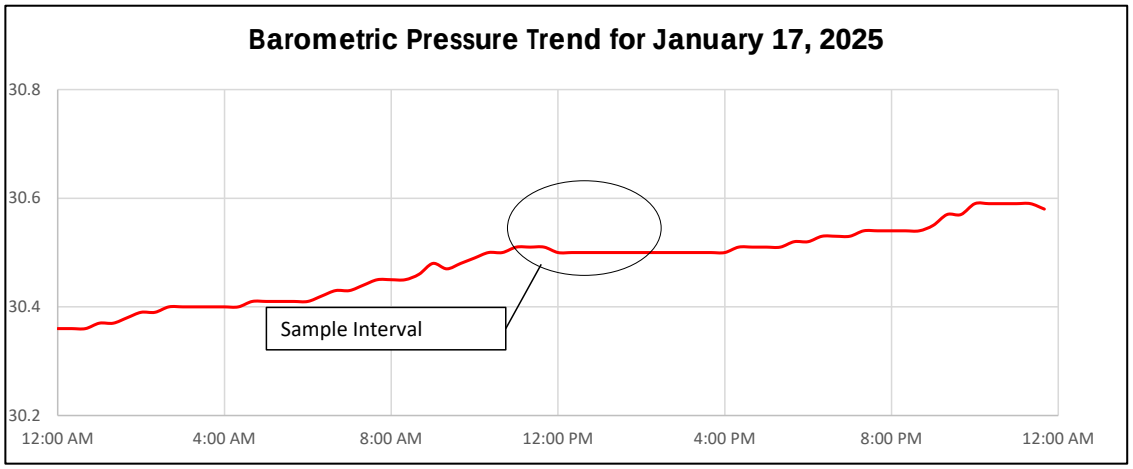
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

Notes:

1. Measurement for spike concentrations of CH_4 and CO_2 are recorded as a comment if observed during sampling.
2. Water level measurements made where gas probe monitoring port allows for measurement, or where there is an adjacent measurement piezometer.
3. Exposed Perforation = perforated pipe section not submerged by liquid.

Barometric Pressure Trend - January 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/KWAGRAHA52/table/2025-01-17/2025-01-17/monthly

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/KWAGRAHA52/table/2025-01-17/2025-01-17/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04225001.04

LRI Landfill

February-25

Location Refer *Design.*	Date	Time	$P_{(well)}$ (in W.C.)	Gas Composition - *Note 1*					Depth to Water *Note 2* (ft-TOC)	Exposed Portion of Perforations - *Note 3*		Comments
				CH_4 Spike (% by vol.)	CH_4 (% by vol.)	CO_2 (% by vol.)	O_2 (% by vol.)	Balance (N_2 & H_2O) (% by vol.)		(ft)	(%)	
Normal Operating Rage:												
(min)			-	-	0.3	-	-				20.0	
(max)			1.63	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	2/14/2025	9:00	-0.05	17.8	12.6	19.8	15.0	52.6		0.0	0.0	
GP-2	2/14/2025	9:00	-0.07	--	0.6	13.8	0.0	85.6		0.0	0.0	
GP-3	2/14/2025	9:00	-0.08	--	0.0	4.4	17.8	77.8		0.0	0.0	
GP-4	2/14/2025	9:00	-0.09	--	0.0	5.5	10.5	84.0		0.0	0.0	
GP-9	2/14/2025	9:00	-0.18	--	0.0	7.7	4.9	87.4		0.0	0.0	
GP-10	2/14/2025	9:00	-0.08	--	15.8	28.7	0.0	55.5		0.0	0.0	
GP-10P	2/14/2025	9:00	-0.09	5.6	0.4	9.4	17.2	73.0		0.0	0.0	
GP-11	2/14/2025	9:00	-0.22	--	1.4	16.2	6.9	75.5		0.0	0.0	
GP-12	2/14/2025	9:00	1.63	--	8.3	36.4	6.0	49.3		0.0	0.0	
GP-13	2/14/2025	9:00	-0.14	--	0.1	6.9	18.2	74.8		0.0	0.0	
GP-14	2/14/2025	9:00	-0.24	--	0.0	1.8	21.5	76.7		0.0	0.0	
GP-15	2/14/2025	9:00	-0.09	--	2.7	0.8	22.2	74.3		0.0	0.0	
GP-16	2/14/2025	9:00	-0.10	--	0.1	0.6	20.8	78.5		0.0	0.0	
GP-17	2/14/2025	9:00	-0.1	--	0.0	2.6	21.7	75.7		0.0	0.0	
GP-18	2/14/2025	9:00	-0.1	--	0.0	1.5	21.8	76.7		0.0	0.0	
GP-19	2/14/2025	9:00	-0.1	--	0.0	0.6	21.5	77.9		0.0	0.0	
GP-20	2/14/2025	9:00	0.0	0.2	0.1	2.0	22.0	75.9		0.0	0.0	
GP-21	2/14/2025	9:00	-0.1	--	0.0	3.9	21.0	75.1		0.0	0.0	

General Data:

	Beginning	Ending	Average
Weather:	Sunny	Sunny	Sunny
Temperature, T (deg F):	62	69	65.5
Wind Speed (mph):	5	10	7.5
Wind Direction:	292.5	315	303.75
Barometric Pressure, P (in Hg):	29.62	29.61	29.62
24hr Baro.Trend (rising / falling / steady / unsteady)	Falling		

Starting Date:	2/14/2025
Starting Time:	9:00
Finishing Date:	2/14/2025
Finishing Time:	9:00
Monitored by:	AD
Instruments:	Elkins Envision
Calibration Date:	2/14/2025

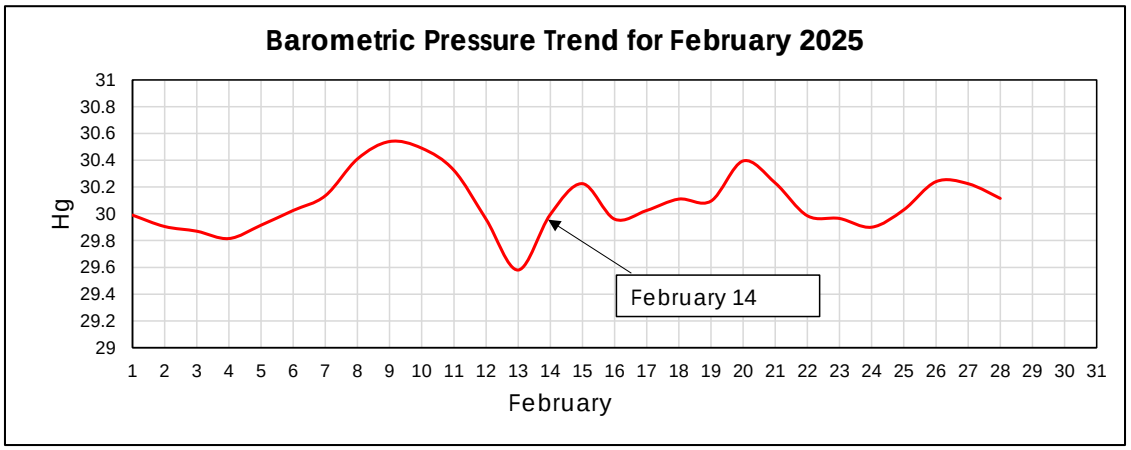
Headings:

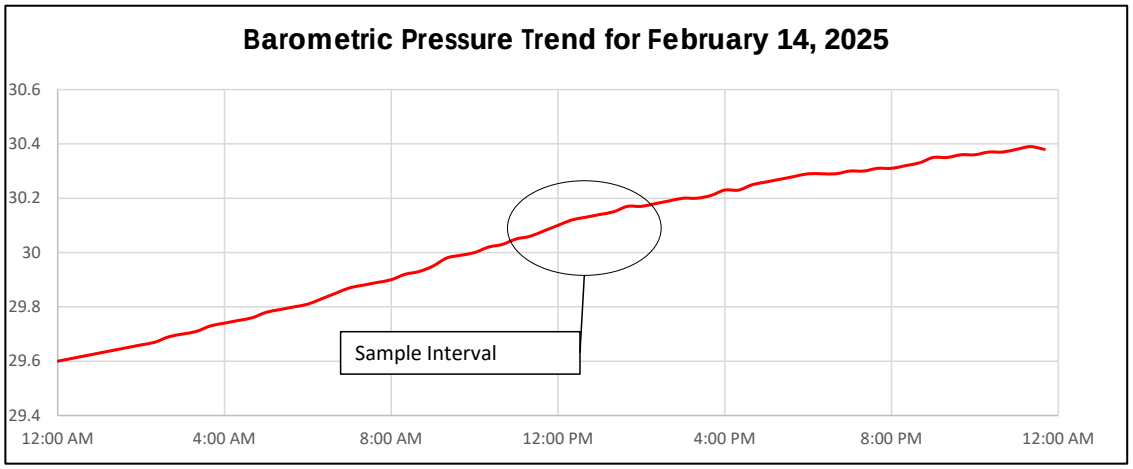
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

Notes:

1. Measurement for spike concentrations of CH_4 and CO_2 are recorded as a comment if observed during sampling.
2. Water level measurements made where gas probe monitoring port allows for measurement, or where there is an adjacent measurement piezometer.
3. Exposed Perforation = perforated pipe section not submerged by liquid.

Barometric Pressure Trend - February 2025
LRI Landfill, Pierce County, Washington





Monthly Data Source: Wunderground.com (South Hill, WA)
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Data Source:
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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/KWAGRAHA52/table/2025-02-14/2025-02-14/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04225001.04

LRI Landfill

March-25

Location Refer *Design.*	Date	Time	$P_{(well)}$ (in W.C.)	Gas Composition - *Note 1*					Depth to Water *Note 2* (ft-TOC)	Exposed Portion of Perforations - *Note 3*		Comments
				CH_4 Spike (% by vol.)	CH_4 (% by vol.)	CO_2 (% by vol.)	O_2 (% by vol.)	Balance (N_2 & H_2O) (% by vol.)		(ft)	(%)	
Normal Operating Rage:												
(min)			-	-	0.3	-	-				20.0	
(max)			0.17	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	3/11/2025	10:22	0.17	36.0	21.3	33.5	10.1	35.1	13.9	0.0	0.0	
GP-2	3/11/2025	10:07	0.00	--	0.1	14.3	0.0	85.6	15.4	0.0	0.0	
GP-3	3/11/2025	9:55	0.00	--	0.0	3.2	18.5	78.3	8.9	0.0	0.0	
GP-4	3/11/2025	9:51	-0.01	--	0.0	1.2	20.4	78.4	9.1	0.0	0.0	
GP-9	3/11/2025	9:47	0.03	--	0.0	7.3	8.6	84.1	10.5	0.0	0.0	
GP-10	3/26/2025	8:35	0.01	--	31.9	31.0	0.0	37.1		0.0	0.0	
GP-10P	3/26/2025	8:35	-0.01	18.0	16.7	27.4	0.1	55.8		0.0	0.0	
GP-11	3/11/2025	10:42	-0.23	--	0.0	17.0	6.9	76.1		0.0	0.0	
GP-12	3/11/2025	10:51	-0.14	--	10.7	33.2	0.0	56.1		0.0	0.0	
GP-13	3/11/2025	10:57	0.03	--	0.0	23.3	3.9	72.8		0.0	0.0	
GP-14	3/11/2025	11:18	-0.07	--	0.0	0.6	21.0	78.4	10.7	0.0	0.0	
GP-15	3/11/2025	11:23	0.15	--	0.0	0.5	21.2	78.3	14.8	0.0	0.0	
GP-16	3/11/2025	9:41	0.00	--	0.0	0.4	22.3	77.3	19.0	0.0	0.0	
GP-17	3/11/2025	10:12	0.0	--	0.0	0.8	22.4	76.8	4.9	0.0	0.0	
GP-18	3/11/2025	10:01	0.0	--	0.0	0.3	22.6	77.1	3.5	0.0	0.0	
GP-19	3/11/2025	13:25	0.0	--	0.0	0.5	21.7	77.8	5.4	0.0	0.0	
GP-20	3/11/2025	11:10	0.0	0.2	0.0	0.4	21.3	78.3	4.6	0.0	0.0	
GP-21	3/11/2025	11:02	0.0	--	0.0	1.1	21.0	77.9	5.6	0.0	0.0	

General Data:

	Beginning	Ending	Average
Weather:	Sunny	Sunny	Sunny
Temperature, T (deg F):	62	69	65.5
Wind Speed (mph):	5	10	7.5
Wind Direction:	292.5	315	303.75
Barometric Pressure, P (in Hg):	29.62	29.61	29.62
24hr Baro.Trend (rising / falling / steady / unsteady)	Falling		

Starting Date:	3/11/2025
Starting Time:	9:41
Finishing Date:	3/26/2025
Finishing Time:	8:35
Monitored by:	AD
Instruments:	Elkins Envision
Calibration Date:	3/11/2025

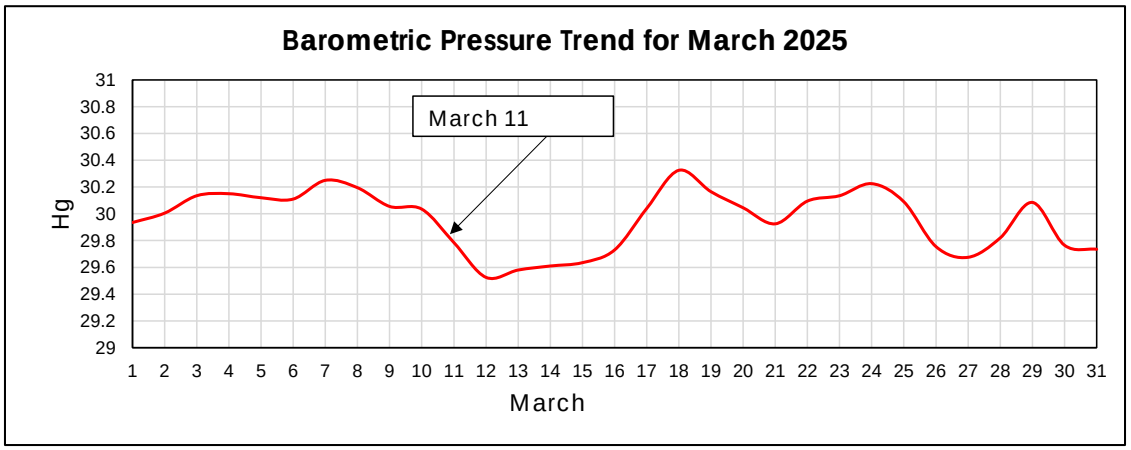
Headings:

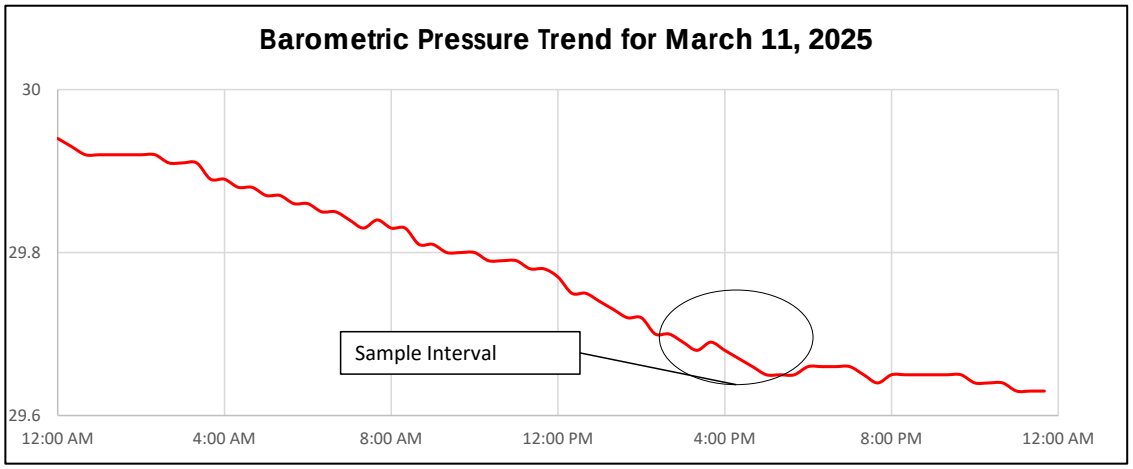
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

Notes:

1. Measurement for spike concentrations of CH_4 and CO_2 are recorded as a comment if observed during sampling.
2. Water level measurements made where gas probe monitoring port allows for measurement, or where there is an adjacent measurement piezometer.
3. Exposed Perforation = perforated pipe section not submerged by liquid.

Barometric Pressure Trend - March 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/KWAGRAHA52/table/2025-03-11/2025-03-11/monthly

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/KWAGRAHA52/table/2025-03-11/2025-03-11/daily

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

Project Number: ~~04223001.04~~ 04225001.04

Date: ~~2/13/25~~ 2/14/25
Weather Conditions: Cloudy, ~~[illegible]~~ F 35°F
Instrument: ~~RAE MINIRAE 3000 PID~~ 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 office 0.0
Down Scale House outside 0.1

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

MAX

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

0.1 ☐ Repair Shop – survey atmosphere conditions throughout (lower height levels).

0.4 ☐ Pay/Scale Booth – interior of building.

3.2 ☐ Work Shop - interior of shed adjacent to stormwater ponds.

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

Signature

April 2025
0601-724-53-00

CONSTRUCTION REPORT
2024 PHASE 3 LANDFILL GAS SYSTEM EXPANSION
(JANUARY 2025 - MARCH 2025)

LRI Landfill

LRI LANDFILL
GRAHAM, WASHINGTON

PREPARED BY

Weaver Consultants Group

CONTENTS

1 INTRODUCTION **1**

2 LFG EXTRACTION WELL CONSTRUCTION **2**

APPENDIX A
Well Drilling/Completion and Installation Reports

APPENDIX B
Daily CQA Logs

APPENDIX C
Construction Photographs

APPENDIX D
Site Plan

1 INTRODUCTION

This report documents the construction activities conducted during the expansion of the landfill gas (LFG) collection and control system (GCCS) at the LRI Landfill.

The project included installing twelve (12) active LFG extraction wells.

The following parties participated in the project:

- Owner/Operator – Pierce Co, Recycling, Composting and Disposal, LLC dba LRI.
- Design Engineer – Weaver Consultants Group, LLC.
- LFG Drilling/Piping Contractor – Continuum Environmental Services, Ltd.
- Construction Quality Assurance – Weaver Consultants Group, LLC
- Surveyor – True Point Services, LLC

2 LFG EXTRACTION WELL CONSTRUCTION

Prior to construction, the LFG extraction well layouts and designs were completed by Weaver Consultants Group, LLC (WCG). Preliminary extraction well surveying was completed by True Point Services, LLC to verify surface elevations prior to drilling. The LFG well drilling and well completion was completed by Continuum Environmental Services, Ltd.

The extraction well casings were field fabricated from 8-inch CPVC polyvinyl chloride (CPVC), SCH-80 pipe and 6-inch piping for the upper portion. A visual inspection of the pipe joints was conducted by the CQA technician on site prior to installation. The PVC pipe was factory perforated with a 5/8-inch hole around the circumference of the pipe. A well settlement joint was installed, and PVC cap was placed onto the bottom of the well casings. The annulus around the perforated sections of pipe was backfilled with 1-inch to 3-inch diameter coarse gravel. The gravel fill extended to approximately 3-foot above the top of the screen perforation interval. Above the course gravel backfill, a geotextile isolation ring, and a 3-foot-thick bentonite seal layer was installed to prevent infiltration of fines into the coarse gravel, bentonite seal constructed with three 1-foot layers, bottom layer consists of 3/8" chips, middle later consist of granular number 8 and top layer consist of 3/8" chips. The remaining wellbore was backfilled with select fill to within approximately three feet of the landfill surface. A 3-foot-thick bentonite seal was placed to 1-foot below ground surface to provide protection from air intrusion when vacuum is applied, bentonite seal was constructed with three 1-foot layers, bottom layer consists of 3/8" chips, middle later consist of granular number 8 and top layer consist of 3/8" chips. A geomembrane well boot was placed around the well casing, and compacted soil was then mounded to slope away from the LFG extraction well to compensate for backfill settlement and to prevent ponding at the well. Temporary PVC slip caps were installed on top of each well casing and secured with lag bolts until wellheads could be installed during the piping installation portion of the project.

All LFG extraction wells were completed in general conformance with the design. The Well Drilling/Completion and Installation Reports completed by WCG for each of the wells have been included in Appendix A. WCG's Daily CQA Logs have been included in Appendix B. LFG extraction well locations are shown on Drawing 1 in Appendix D.

APPENDIX A

WELL DRILLING/COMPLETION AND INSTALLATION REPORTS

LRI Landfill
As-Built LFG Well Schedule
2024 Phase 3 LFG System Expansion

Table 1

Identification		Coordinates				Boring Information				Casing Composition				Date Installed	Location (Cell)
Well No.	Well ID.	Northing	Easting	Latitude	Longitude	Surface Elevation[1] (ft msl)	Approx. Bottom of Waste Elevation[2] (ft msl)	Approx. Bottom of Borehole Elevation (ft msl)	Boring Depth (ft)	Well Casing Depth (ft)	Perforated Pipe Length (ft)	Solid Pipe Length Below Grade (ft)	LFG Well Type		
WE-434	00-WE434	17711.39	20996.47	46.973836	-122.29412	857	643	765	92	91	41	50	8-In CPVC	1/30/2025	4A
WE-435	00-WE435	17615.84	21126.85	46.9735822	-122.29359	858	645	695	163	162	83	79	8-In CPVC	2/3/2025	4A
WE-436	00-WE436	17211.66	21143.70	46.9724753	-122.29348	847	649	696	151	150	110	40	8-In CPVC	1/23/2025	4A
WE-439	00-WE439	17564.00	21274.05	46.9734493	-122.29299	859	653	708	151	150	70	80	8-In CPVC	2/5/2025	4A
WE-440	00-WE440	17341.69	21378.29	46.9728464	-122.29256	849	652	696	153	152	112	40	8-In CPVC	1/21/2025	2A
WE-441	00-WE441	17686.58	21439.98	46.9737956	-122.29234	831	651	670	161	147	126	21	8-In Steel	2/11/2025	1
WE-442	00-WE442	17541.66	21478.99	46.9734008	-122.29217	838	658	677	161	160	120	40	8-In CPVC	2/7/2025	1
WE-443	00-WE443	17639.71	21592.39	46.9736766	-122.29173	836	650	670	166	165	138	27	8-In CPVC	2/14/2025	1
WE-444	00-WE444	17439.43	21605.49	46.9731284	-122.29166	846	650	719	127	126	99	27	8-In CPVC	3/8/2025	2A
WE-445	00-WE445	17604.48	21700.37	46.9735868	-122.29129	830	656	690	140	123	105	18	8-In Steel	3/15/2025	1
WE-446	00-WE446	17385.56	21784.02	46.9729919	-122.29094	840	647	700	140	139	114	25	8-In CPVC	3/13/2025	2A
WE-447	00-WE447	16637.09	21457.31	46.9709198	-122.29218	802	667	687	115	114	77	37	8-In CPVC	1/18/2025	3A
12	**# of Wells**							**Total**	1,720	1,679	1,195	484			

Notes:

1) Existing surface elevations based on field survey completed on January 13, 15, & 21 of 2025 by True Point Services, LLC

2) Bottom of waste elevation for wells based on Top of Operations layer drawings provided by LRI and SCS Engineers.

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI

Extraction Well ID: WE-434

Client: Waste Connections

Elevation of Ground Surface (ft): 857

Drilling Company: Continuum Environmental Services

Casing Size, Material: 8-In CPVC 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17711.39 Latitude: 46.97383598

Easting: 20996.47 Longitude: -122.29411987

Cover Soil Depth (ft): 3

Date - Time Drilling Started: 1/27/2025 - 7:48 AM

Borehole Depth (ft): 92

Date - Time Drilling Finished: 1/29/2025 - 12:50 PM

Solid Pipe - BGS (ft): 50

Date - Time Well Completed: 1/30/2025 - 11:30 AM

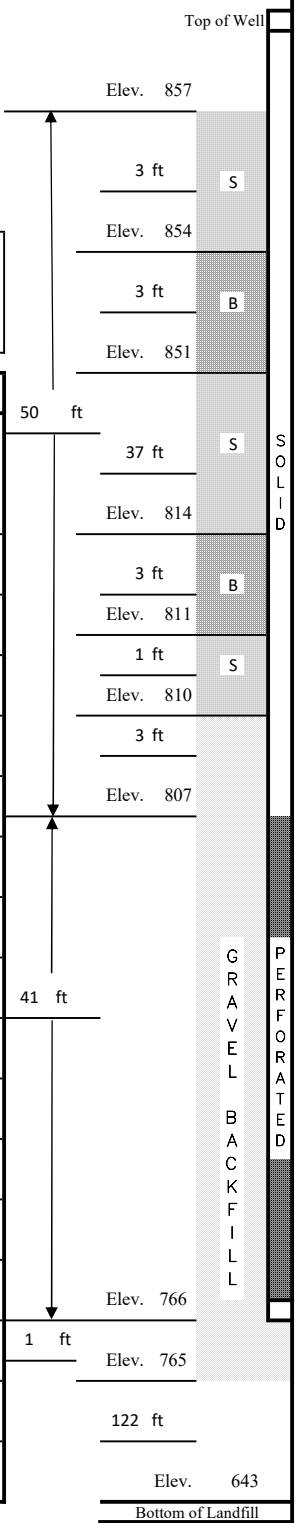
Perforated Pipe (ft): 41

Notes:

Monday - Stopped at 75' - Saturated. Tuesday, hit waste at 92'. Stopped drilling at 115' at 4P. Project group decided to set the well at 117' on 1-29. Covered the well for the night, when back onsite the next day, the well had caved in to 92', Continuum set the well there is save the well.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10						100	Stockpile Material		Normal	53
10 - 20						100	Stockpile Material		Wet	44
20 - 30						100	Stockpile Material		Wet	75
30 - 40						100	Stockpile Material		Wet	75
40 - 50						100	Stockpile Material		Wet	81
50 - 60						100	Stockpile Material		Saturated	88
60 - 70						100	Stockpile Material		Saturated	79
70 - 80						100	Stockpile Material		Saturated	61
80 - 90						100	Stockpile Material		Saturated	71
90 - 100		10	90			0		Much	Saturated	70
100 - 110	10	80	10			0		Much	Saturated	162
110 - 120	10	70	20			0		Much	Saturated	151
120 - 130						-				
130 - 140						-				
140 - 150						-				
150 - 160						-				



Location (Cell): 4A

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-435

Client: Waste Connections | Elevation of Ground Surface (ft): 858

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17615.84 | Latitude: 46.97358218

Easting: 21126.85 | Longitude: -122.29358902

Cover Soil Depth (ft): 80

Date - Time Drilling Started: 1/30/2025 - 7:45 AM | Borehole Depth (ft): 163

Date - Time Drilling Finished: 2/3/2025 - 12:45 PM | Solid Pipe - BGS (ft): 79

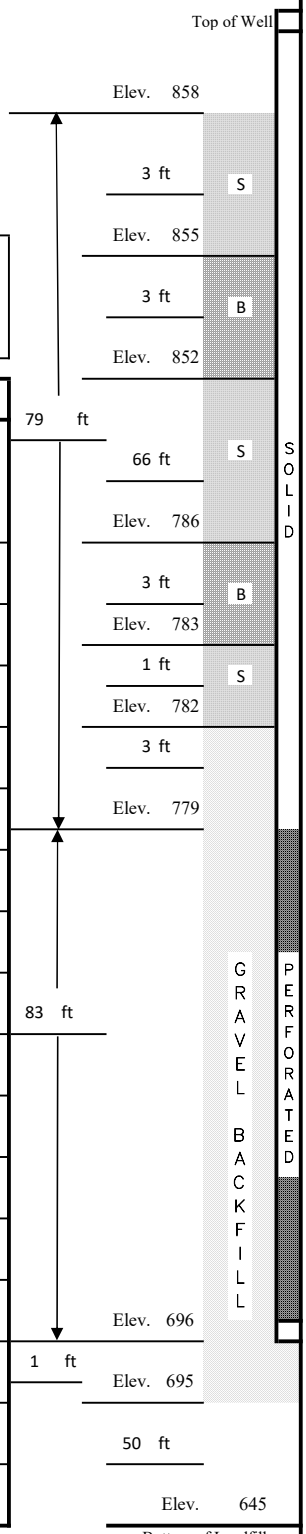
Date - Time Well Completed: 2/3/2025 - 4:30 PM | Perforated Pipe (ft): 83

Notes:

Stopped drilling at 163' due to obstruction.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10						100	100% Stockpile Material		Damp	76
10 - 20						100	100% Stockpile Material		Damp	70
20 - 30						100	100% Stockpile Material		Damp	78
30 - 40						100	100% Stockpile Material		Damp	85
40 - 50						100	100% Stockpile Material		Damp	91
50 - 60						100	100% Stockpile Material		Damp	97
60 - 70						100	100% Stockpile Material		Damp	110
70 - 80	20	50				30	Cover Soil	Much	Damp	136
80 - 90	10	20	50			20	Cover Soil	Much	Damp	146
90 - 100	50	40	10			0		Much	Damp	156
100 - 110	30	60	10			0		Much	Damp	168
110 - 120	30	60	10			0		Much	Damp	180
120 - 130	30	60	10			0		Much	Saturated	179
130 - 140	20	30	50			0		Much	Saturated	197
140 - 150	10	30	60			0		Much	Saturated	205
150 - 160	20	50	30			0		Much	Saturated	161



Location (Cell): 4A

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-436

Client: Waste Connections | Elevation of Ground Surface (ft): 847

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17211.66 | Latitude: 46.97247529

Easting: 21143.70 | Longitude: -122.29348474

Cover Soil Depth (ft): 4

Date - Time Drilling Started: 1/22/2025 - 8:00 AM | Borehole Depth (ft): 151

Date - Time Drilling Finished: 1/23/2025 - 9:30 AM | Solid Pipe - BGS (ft): 40

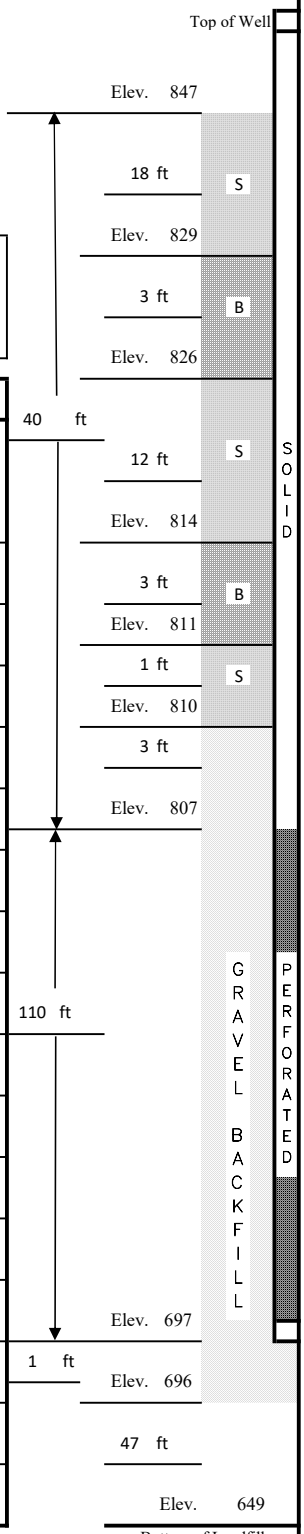
Date - Time Well Completed: 1/23/2025 - 1:36 PM | Perforated Pipe (ft): 110

Notes:

Stopped drilling at 151' because the kelly bars kept sticking, project group decided to set the well.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10	10	10				80	Wood Boards	Little	Normal	110
10 - 20	10	10				80	Wood Boards	Little	Damp	130
20 - 30	10	10				80	Wood Boards	Little	Damp	131
30 - 40	10	80	10			0		Moderate	Damp	143
40 - 50	10	80	10			0		Moderate	Damp	150
50 - 60	70	10	10			10	Metal	Moderate	Damp	154
60 - 70	10	80	10			0		Moderate	Damp	155
70 - 80	10	80	10			0		Moderate	Damp	175
80 - 90			80			20	Wire-10 - Tire Shreads-10	Moderate	Damp	162
90 - 100	10	40	50			0		Much	Damp	176
100 - 110	10	30	60			0		Much	Damp	176
110 - 120	10	30	60			0		Much	Saturated	172
120 - 130	10	30	60			0		Much	Saturated	176
130 - 140	10	30	60			0		Much	Saturated	175
140 - 150	10	40	50			0		Much	Saturated	180
150 - 160						-				



Location (Cell): 4A

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-439

Client: Waste Connections | Elevation of Ground Surface (ft): 859

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17564.00 | Latitude: 46.97344926

Easting: 21274.05 | Longitude: -122.29299480

Cover Soil Depth (ft): 30

Date - Time Drilling Started: 1/4/2025 - 7:45 AM | Borehole Depth (ft): 151

Date - Time Drilling Finished: 2/5/2025 - 1:05 PM | Solid Pipe - BGS (ft): 80

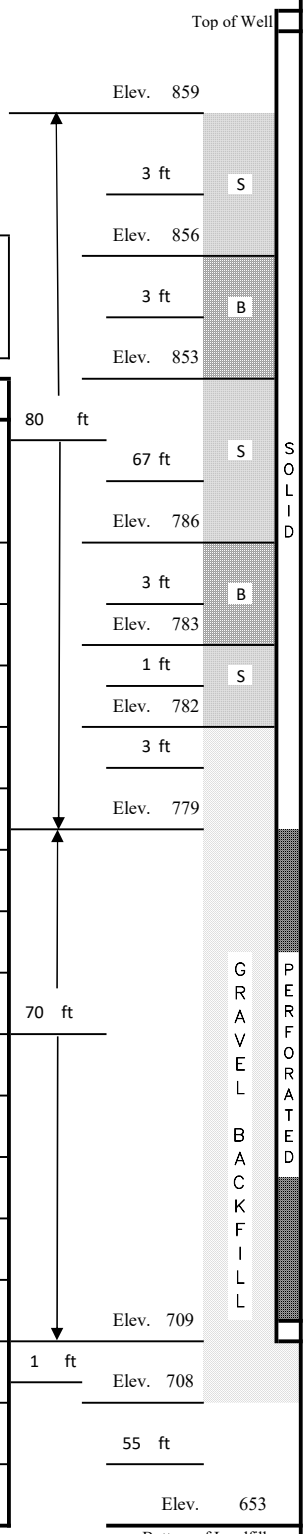
Date - Time Well Completed: 2/5/2025 - 5:30 PM | Perforated Pipe (ft): 70

Notes:

1-4-25 - Stopped drilling at 103', Backfilled to 40' from grade. Continued 2-5-25, drilled to 151'

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10						100	Soil Cover	Little	Damp	61
10 - 20						100	Soil Cover	Little	Damp	101
20 - 30	10	10	80			0		Little	Damp	88
30 - 40			80			20	Soil	Little	Damp	56
40 - 50			80			20	Soil	Little	Damp	113
50 - 60			80			20	Soil	Moderate	Saturated	91
60 - 70	10	70	20			0		Much	Saturated	111
70 - 80	10	40	30			20	Soil	Much	Saturated	122
80 - 90	10	30	50			10	Soil	Much	Saturated	110
90 - 100	10	30	50			10	Soil	Much	Saturated	83
100 - 110	10	50	40			0		Much	Saturated	121
110 - 120	10	50	20			20	Soil	Much	Saturated	138
120 - 130						100	Soil and Road Material	Little	Wet	160
130 - 140		10	90			0		Much	Saturated	115
140 - 150		50	20			30	Soil	Much	Saturated	120
150 - 160						-				



Location (Cell): 4A

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI

Extraction Well ID: WE-440

Client: Waste Connections

Elevation of Ground Surface (ft): 849

Drilling Company: Continuum Environmental Services

Casing Size, Material: 8-In CPVC 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17341.69 Latitude: 46.97284637

Easting: 21378.29 Longitude: -122.29255710

Cover Soil Depth (ft): 3

Date - Time Drilling Started: 1/21/2025 - 8:00 AM

Borehole Depth (ft): 153

Date - Time Drilling Finished: 1/21/2025 - 4:30 PM

Solid Pipe - BGS (ft): 40

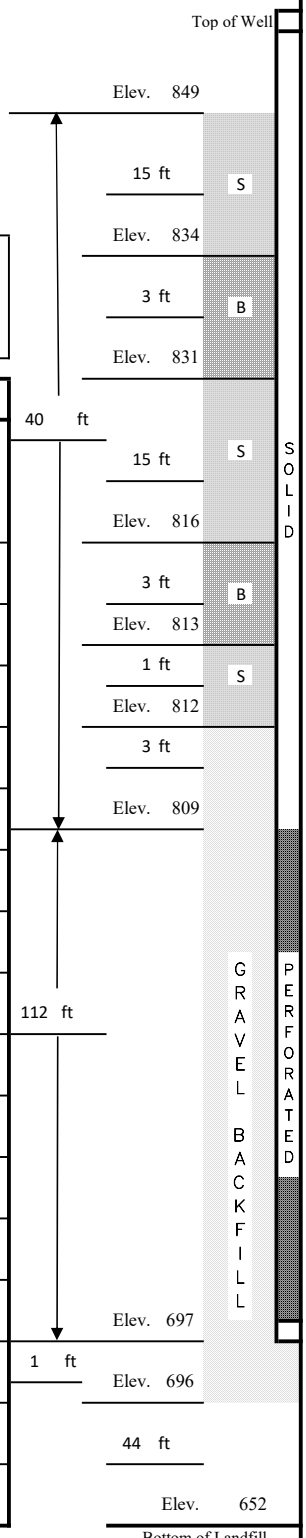
Date - Time Well Completed: 1/21/2025 - 6:35 PM

Perforated Pipe (ft): 112

Notes:

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10	30	60	10			0		Little	Damp	84
10 - 20	10	20	70			0		Moderate	Damp	108
20 - 30	10	20	70			0		Moderate	Damp	117
30 - 40	10	20	70			0		Moderate	Damp	123
40 - 50	10	60	20			10	Concrete	Moderate	Damp	141
50 - 60	20	70				10	Wire	Moderate	Damp	147
60 - 70	10	80	10			0		Moderate	Damp	149
70 - 80		10				90	Cover Soil	Moderate	Damp	160
80 - 90	10	70	20			0		Moderate	Damp	155
90 - 100	10	70	20			0		Moderate	Damp	166
100 - 110	10	70	20			0		Much	Damp	174
110 - 120	20	40	40			0		Much	Damp	180
120 - 130	10	40	50			0		Much	Wet	191
130 - 140	10	40	50			0		Much	Wet	187
140 - 150	10	40	50			0		Much	Wet	192
150 - 160	10	50	40			0		Much	Wet	192



Location (Cell): 2A

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-441

Client: Waste Connections | Elevation of Ground Surface (ft): 831

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In Steel 3/8"X6" Slotted

Wellbore Reinforcement Grate Installed: No

Northing: 17686.58 | Latitude: 46.97379563

Easting: 21439.98 | Longitude: -122.29234141

Cover Soil Depth (ft): 19

Date - Time Drilling Started: 2/10/2025 - 9:00 AM | Borehole Depth (ft): 161

Date - Time Drilling Finished: 2/11/2025 - 1:20 PM | Solid Pipe - BGS (ft): 21

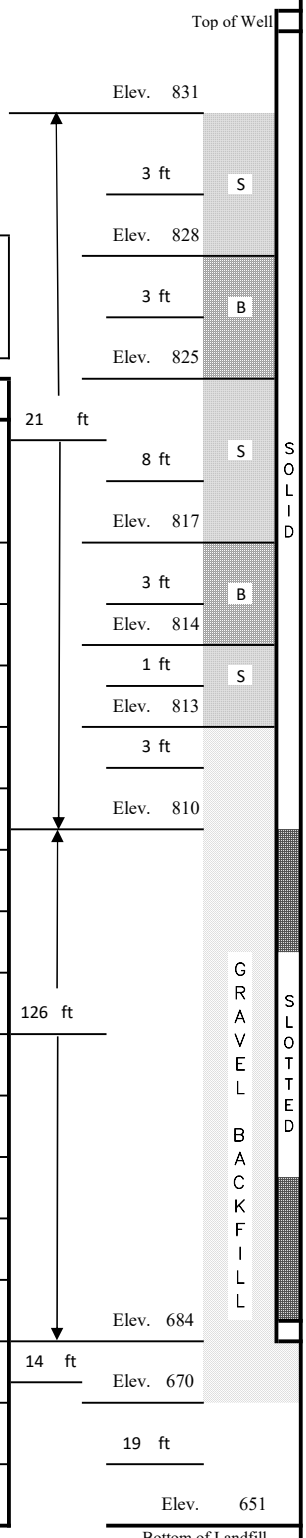
Date - Time Well Completed: 2/11/2025 - 4:00 PM | Perforated Pipe (ft): 126

Notes:

Waste encountered at 20'. Installing Steel pipe, setting pipe at 147' because there is no shorter pieces of steel pipe - Project group agreed.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10						100	Cover Soil		Damp	56
10 - 20	20	80				0		Moderate	Damp	80
20 - 30	20	40	40			0		Much	Damp	105
30 - 40	20	30	50			0		Much	Damp	139
40 - 50	10	60	30			0		Much	Damp	133
50 - 60	10	60	30			0		Much	Damp	141
60 - 70	30					70	Road Material	Much	Wet	147
70 - 80	30					70	Road Material	Much	Wet	148
80 - 90	20	30				50	Soil	Much	Wet	150
90 - 100		30				70	Road Material 50-Soil 20	Much	Wet	178
100 - 110	30	60	10			0		Much	Wet	190
110 - 120	30	60	10			0		Much	Wet	202
120 - 130	20	40	40			0		Much	Wet	208
130 - 140	30	60	10			0		Much	Wet	203
140 - 150	30	50	18			2	Rubber	Much	Wet	201
150 - 160		60	30			10	Wire	Much	Wet	198



Location (Cell): 1

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-442

Client: Waste Connections | Elevation of Ground Surface (ft): 838

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17541.66 | Latitude: 46.97340079

Easting: 21478.99 | Longitude: -122.29217199

Cover Soil Depth (ft): 30

Date - Time Drilling Started: 2/6/2025 - 7:15 AM | Borehole Depth (ft): 161

Date - Time Drilling Finished: 2/7/2025 - 4:00 PM | Solid Pipe - BGS (ft): 40

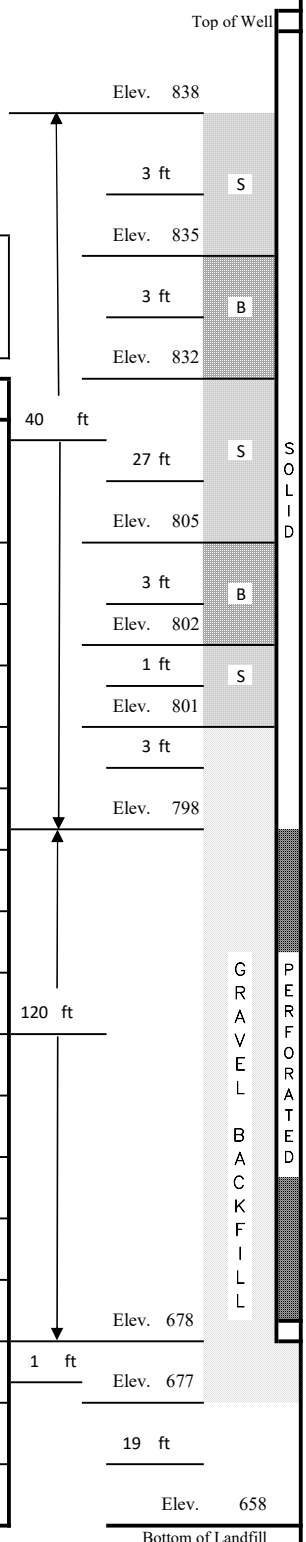
Date - Time Well Completed: 2/7/2025 - 6:00 PM | Perforated Pipe (ft): 120

Notes:

Waste encountered at 23', stopped drilling at 98'. Maintenance completed on the drill rig 2-7-25.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10						100	Cover Soil		Damp	65
10 - 20						100	Cover Soil		Damp	80
20 - 30	20	40	20			20	Wire	Moderate	Damp	110
30 - 40	10	70	10			10	Steel	Much	Damp	130
40 - 50		20	80			0		Much	Damp	134
50 - 60	10	80	10			0		Much	Damp	139
60 - 70	10	50	20			20	Steel	Much	Damp	137
70 - 80			5			95	Road Material, Soil	Much	Wet	144
80 - 90			5			95	Road Material, Soil	Much	Wet	146
90 - 100		70	30			0		Much	Wet	155
100 - 110	10	80	10			0		Much	Wet	165
110 - 120	10	70	20			0		Much	Wet	178
120 - 130	10	70	20			0		Much	Wet	185
130 - 140	20	70	10			0		Much	Wet	184
140 - 150	20	70	10			0		Much	Wet	182
150 - 160	20	30	50			0		Much	Wet	170



Location (Cell): 1

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI

Extraction Well ID: WE-443

Client: Waste Connections

Elevation of Ground Surface (ft): 836

Drilling Company: Continuum Environmental Services

Casing Size, Material: 8-In CPVC 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17639.71 Latitude: 46.97367663

Easting: 21592.39 Longitude: -122.29172679

Cover Soil Depth (ft): 7

Date - Time Drilling Started: 2/12/2025 - 7:22 AM

Borehole Depth (ft): 166

Date - Time Drilling Finished: 2/13/2025 - 9:30 AM

Solid Pipe - BGS (ft): 27

Date - Time Well Completed: 2/14/2025 - 4:30 PM

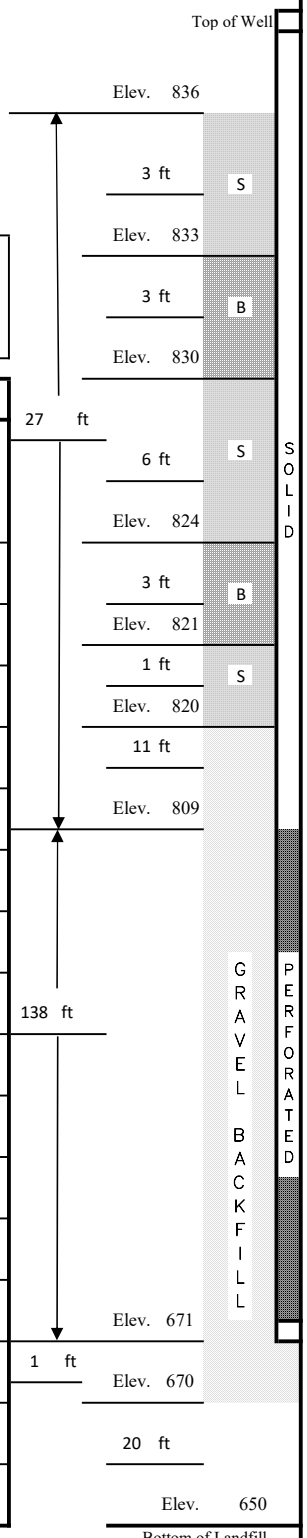
Perforated Pipe (ft): 138

Notes:

Drilled to 140' on 2-12. Continued drilling on 2-13 to full depth, 166'. Over filled the well with stone, crew had to dig down 14.5' and add bentonite plug.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10		10	83			7	Cover Soil	Little	Damp	104
10 - 20		10	10	80		0		Little	Damp	105
20 - 30	8	40	50			2	Wire	Moderate	Damp	117
30 - 40	10	10				80	Wire	Moderate	Damp	134
40 - 50	10	10	80			0		Moderate	Damp	135
50 - 60		10	10			80	Road Material	Moderate	Damp	139
60 - 70	40	40	20			0		Much	Damp	135
70 - 80	5	10	5			80	Road Material	Much	Damp	159
80 - 90		20				80	Road Material	Much	Damp	148
90 - 100	10	80				10	Steel-2 - Soil -8	Much	Damp	175
100 - 110	10	80	8			2	Wire	Much	Damp	166
110 - 120	10	85	5			0		Much	Damp	175
120 - 130	10	80	5			5	Steel	Much	Damp	181
130 - 140	10	10	80			0		Much	Wet	183
140 - 150	10	20	70			0		Much	Wet	173
150 - 160	40	50	10			0		Much	Wet	170



Location (Cell): 1

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-444

Client: Waste Connections | Elevation of Ground Surface (ft): 846

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17439.43 | Latitude: 46.97312844

Easting: 21605.49 | Longitude: -122.29165609

Cover Soil Depth (ft): 4

Date - Time Drilling Started: 3/7/2025 - 7:30 AM | Borehole Depth (ft): 127

Date - Time Drilling Finished: 3/8/2025 - 12:00 PM | Solid Pipe - BGS (ft): 27

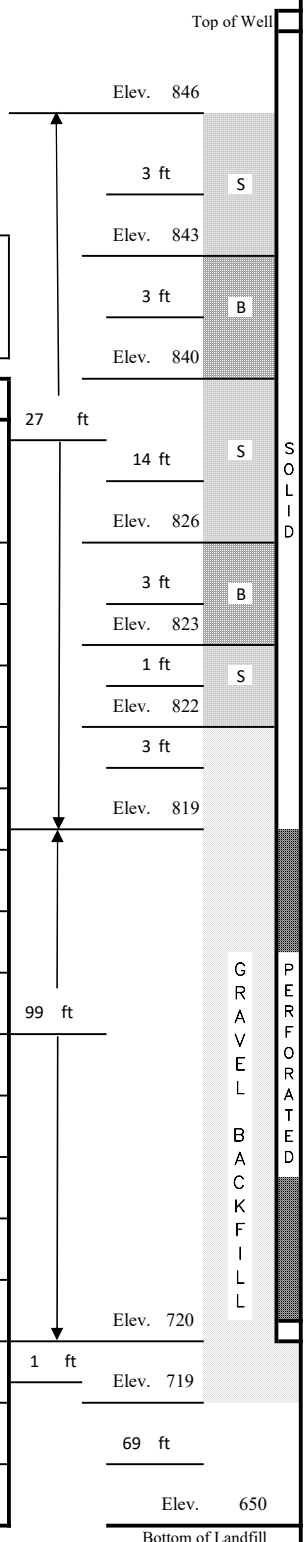
Date - Time Well Completed: 3/8/2025 - 4:30 PM | Perforated Pipe (ft): 99

Notes:

Drilling stoppped at 127' due to obstruction and drilling going down for repairs.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10	30	30		30	10	0		Some	Normal	61
10 - 20	10	40		30	20	0		Some	Damp	80
20 - 30	20	40	10	20	10	0		Moderate	Damp	92
30 - 40	30	40		30		0		Moderate	Wet	95
40 - 50	40	40		10	10	0		Moderate	Wet	102
50 - 60		30	10	10	50	0		Much	Wet	115
60 - 70	10	40	10	20	20	0		Much	Wet	110
70 - 80	20	40		20	20	0		Much	Wet	141
80 - 90		20				80	Rock, dirt	Severe	Wet	151
90 - 100	20	30		10		40	Rock, Dirt	Severe	Wet	158
100 - 110		10		10	40	40	Rock, Dirt	Severe	Saturated	154
110 - 120	10	40		30		20	Rock	Severe	Wet	142
120 - 130		40		40	20	0		Much	Wet	148
130 - 140						-				
140 - 150						-				
150 - 160						-				



Location (Cell): 2A

CQA Technician: James Sandmel

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-445

Client: Waste Connections | Elevation of Ground Surface (ft): 830

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In Steel 3/8"X6" Slotted

Wellbore Reinforcement Grate Installed: No

Northing: 17604.48 | Latitude: 46.97358678

Easting: 21700.37 | Longitude: -122.29129111

Cover Soil Depth (ft): 3

Date - Time Drilling Started: 3/14/2025 - 10:10 AM | Borehole Depth (ft): 140

Date - Time Drilling Finished: 3/14/2025 - 4:00 PM | Solid Pipe - BGS (ft): 18

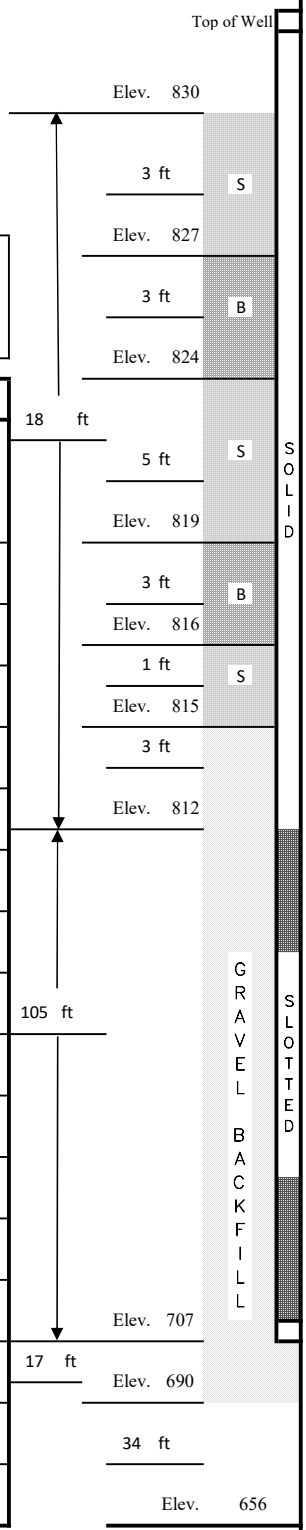
Date - Time Well Completed: 3/15/2025 - 11:30 AM | Perforated Pipe (ft): 105

Notes:

CES Installed Steel well casing.

Material

Depth (ft)	Percentage: Paper/Cardboard	Plastics	Yard Waste	Carpet/Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10	30	30	0	30	0	10	Cover Soil		Dry Refuse	112
10 - 20		20	10	70		0		Moderate	Normal	111
20 - 30	10	60		30		0		Moderate	Normal	109
30 - 40		40	20	40		0		Moderate	Normal	123
40 - 50		20	30	50		0		Moderate	Damp	128
50 - 60		10			80	10	Rock	Moderate	Damp	132
60 - 70		10			90	0		Severe	Damp	140
70 - 80		30				70	C&D	Much	Wet	142
80 - 90		90		10		0		Moderate	Normal	148
90 - 100	20	40		40		0		Moderate	Normal	161
100 - 110		30		30	40	0		Severe	Wet	186
110 - 120		30		60	10	0		Much	Damp	182
120 - 130					90	10	Rock	Severe	Damp	184
130 - 140	10	30		20		40	Wood	Moderate	Normal	172
140 - 150						-				
150 - 160						-				



Location (Cell): 1

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-446

Client: Waste Connections | Elevation of Ground Surface (ft): 840

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 17385.56 | Latitude: 46.97299190

Easting: 21784.02 | Longitude: -122.29093620

Cover Soil Depth (ft): 3

Date - Time Drilling Started: 3/12/2025 - 8:40 AM | Borehole Depth (ft): 140

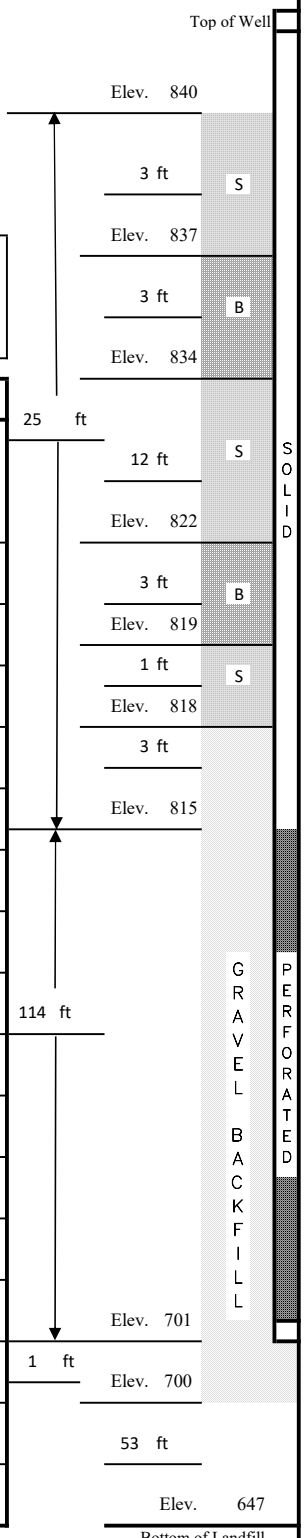
Date - Time Drilling Finished: 3/12/2025 - 3:00 PM | Solid Pipe - BGS (ft): 25

Date - Time Well Completed: 3/13/2025 - 9:00 AM | Perforated Pipe (ft): 114

Notes:

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10	20	60		10		10	Dirt	Little	Dry Refuse	96
10 - 20	20	40	10	30		0		Some	Dry Refuse	120
20 - 30	10	30	10	10	20	20	Rock, Dirt	Moderate	Normal	112
30 - 40					50	50	Rock, Dirt	Severe	Saturated	118
40 - 50					50	50	Rock, Dirt	Severe	Saturated	114
50 - 60		20			40	40	Rock, Dirt	Severe	Saturated	120
60 - 70		10				90	Rock, Concrete	Much	Wet	116
70 - 80			10	10		80	Rock, Wood	Severe	Wet	119
80 - 90		10		10	30	50	Rock, Dirt	Much	Damp	125
90 - 100		20	20	20		40	Rock, Dirt	Much	Normal	131
100 - 110		20				80	Rock, C&D	Much	Normal	129
110 - 120	20	60		20		0		Some	Normal	160
120 - 130	20	40		20	20	0		Moderate	Normal	156
130 - 140			20			80	Rock, C&D	Much	Normal	161
140 - 150						-				
150 - 160						-				



Location (Cell): 2A

CQA Technician: James Sandmel

Bentonite | Soil | Gravel

Gas Extraction Well Drilling Summary

Weaver Consultants Group

Landfill Site: LRI | Extraction Well ID: WE-447

Client: Waste Connections | Elevation of Ground Surface (ft): 802

Drilling Company: Continuum Environmental Services | Casing Size, Material: 8-In CPVC | 5/8" Perforations

Wellbore Reinforcement Grate Installed: No

Northing: 16637.09 | Latitude: 46.97091982

Easting: 21457.31 | Longitude: -122.29217651

Cover Soil Depth (ft): 8

Date - Time Drilling Started: 1/17/2025 - 8:53 AM | Borehole Depth (ft): 115

Date - Time Drilling Finished: 1/18/2025 - 1:15 PM | Solid Pipe - BGS (ft): 37

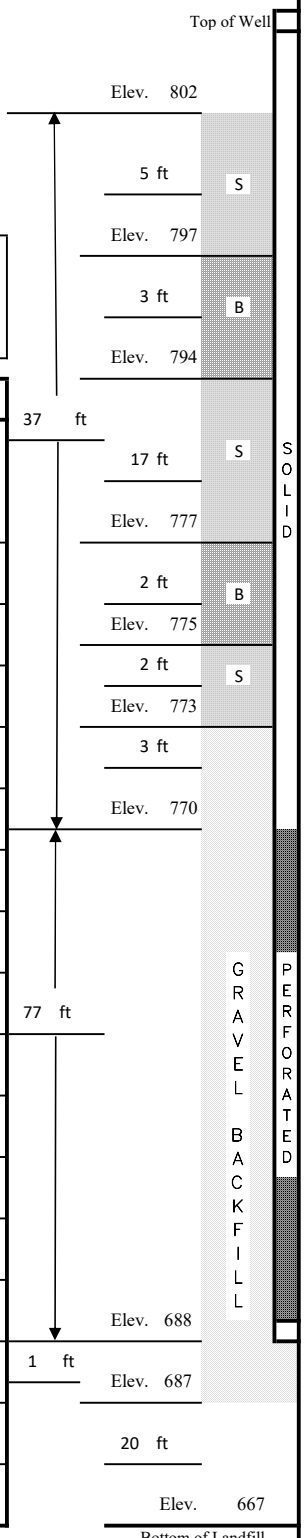
Date - Time Well Completed: 1/18/2025 - 4:15 PM | Perforated Pipe (ft): 77

Notes:

Well drilled to design depth.

Material

Depth (ft)	Percentage: Paper/ Cardboard	Plastics	Yard Waste	Carpet/ Textiles	Indiscernible	Other	Other Items	Decomp.	Moisture	Temp. (°F)
0 - 10		60	10			30	Wood Boards	Little	Normal	84
10 - 20	20	60	10			10	Wire	Little	Damp	145
20 - 30	30	50	10			10	Wire	Moderate	Damp	156
30 - 40	60	30	10			0		Moderate	Damp	183
40 - 50	60	30	10			0		Moderate	Damp	184
50 - 60	30	60	10			0		Much	Damp	178
60 - 70	0	0	0	0	0	100	Soil, Rock	Little	Damp	171
70 - 80	20	70	10			0		Much	Damp	170
80 - 90	20	80				0		Much	Damp	160
90 - 100	10	70	20			0		Much	Wet	150
100 - 110	10	70	20			0		Much	Wet	140
110 - 120						-				
120 - 130						-				
130 - 140						-				
140 - 150						-				
150 - 160						-				



Location (Cell): 3A

CQA Technician: Randy Liggett

Bentonite | Soil | Gravel

APPENDIX B

DAILY CQA LOGS

Weaver Consultants Group

Daily Field Report

Project:	2025 Phase 3 LGS Expansion	Date:	Monday, January 13, 2025
Facility:	LRI Landfill	Weather: AM:	29 ° F Cloudy
Location:	Graham, WA	Weather: PM:	38 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 1:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

LRI had the kick-off meeting and discussed safety concerns about the site.
Weaver helping Survey crew stake the wells to be drilled.
Continuum welding on drill and getting set up.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, January 14, 2025
Facility:	LRI Landfill	Weather: AM:	34 ° F Cloudy
Location:	Graham, WA	Weather: PM:	42 ° F P.Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 1:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HMA Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum getting set up. No drilling today. Some of the 1" to 3" stone delivered today.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Wednesday, January 15, 2025
Facility:	LRI Landfill	Weather: AM:	32 ° F Foggy
Location:	Graham, WA	Weather: PM:	46 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 1:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HMA Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

Wells Staked

Summary of samples collected and delivered:

Stone for wells

Description of work performed:

No drilling today. Continuum continued working on drill today, welding and ECT: Rick with survey and I staked out the rest of the wells to be drilled. Rick returned to survey office to gather data and send to Weaver. Jose and I walked the newly staked wells and Jose said he was ok with the locations. Stone for wells continued to be delivered to site.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, January 16, 2025
Facility:	LRI Landfill	Weather: AM:	34 ° F Cloudy
Location:	Graham, WA	Weather: PM:	42 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 1:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HMA Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

Stone continued to be delivered to site.

Description of work performed:

Continuum continued maintenance on the drill. Continuum finished the maintenance and discovered a bad cable. Continuum changed cable and tracked to well WE-447 and set up to start drilling in the morning. Continuum placed caution tape around the front of drill before leaving for the day.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, January 17, 2025
Facility:	LRI Landfill	Weather: AM:	28 ° F P.Sunny
Location:	Graham, WA	Weather: PM:	41 ° F P.Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HMP Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

Stone continued to be delivered to site.

Description of work performed:

Continuum started to drill WE-447 at 7:53 AM. Drill depth on WE-447 is 115-feet. Temps were reaching 185 Degrees at 40 and 50-feet so we sent out text to the group to let everyone know. At 10:00AM drill blew a hydraulic hose. Continuum covered hole with a 1" thick by 4x8 plate of steel and placed soil over top to keep gas in hole. Hydraulic repair mechanic came to fix hose and did not have all the parts. Hydraulic repair mechanic left the site to find the parts and returned around 3:00PM to finish repairing hose. No drilling was performed after drill was repaired. Continuum will resume in the morning at 50-feet. WE-447 well was covered for the night with caution tape around the hole.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Saturday, January 18, 2025
Facility:	LRI Landfill	Weather: AM:	21 ° F P.Sunny
Location:	Graham, WA	Weather: PM:	41 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck and Rented Water truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

Description of work performed:

Continuum started to drill WE-447 at 7:47AM. Continuum installed the gas well with 77-feet of 8-inch CPCV with 3-Centralizers and 37-feet of 6 inch solid CPVC The well was completed with 1 to 3 inch stone 3-foot over the perforated section with a geotextile ring, 3-foot of bottom hole plug and seal bentonite with water mix, soil and 3-foot of upper bentonite plug and clean soil to grade. WE-447 was completed at 4:15 PM.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Monday, January 20, 2025
Facility:	LRI Landfill	Weather: AM:	22 ° F P.Sunny
Location:	Graham, WA	Weather: PM:	42 ° F P.Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-436 at 7:45AM. 2 foot of cover soil encountered. 93 degrees at 10-feet. At 13-feet hit steel and broke off 3 shanks and a couple of teeth. Decided to move WE-436 to the NE 10-feet. Notified survey crew to locate move. Continuum welded on bucket the rest of day replacing shanks and teeth.. Continuum will move to WE-440 in the morning to start drilling well.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, January 21, 2025
Facility:	LRI Landfill	Weather: AM:	25 ° F Sunny
Location:	Graham, WA	Weather: PM:	43 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 7:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes / Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-440 at 8:00 AM. Drill depth on WE-440 is 177-feet. At 8:10 AM an O-Ring failed. Continuum replaced O-Ring and drill was running by 8:25 AM. At 2:00 PM started to getting back pressure in well at 153-feet so Continuum called the group to see if we could set the well. Group agreed to set well at 153-feet. Continuum installed the gas well with 112-feet of 8-inch perforated CPVC pipe with 3-stabilizers and 40-feet of solid wall CPVC section 1-foot off the bore depth. The well was completed with 1 to 3 inch stone 3-foot over the perforated section with a geocomposite ring, a bottom 3-foot of hole plug bentonite with water mix, clean soil, and a top 3-foot bentonite plug and clean soil to grade. WE-440 was completed at 6:35 PM.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Wednesday, January 22, 2025
Facility:	LRI Landfill	Weather: AM:	28 ° F Sunny
Location:	Graham, WA	Weather: PM:	43 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Group, Ltd		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-436 at 8:00 AM. Target depth on WE-436 is 178-feet. Continuum drilled to 120-feet with damp material and no problems. At 120-feet Continuum drilled into saturated conditions around 12:15 PM. Drilling slowed to 15 to 20-feet per hour. Continuum started their slow drill at 1:15 PM and called the group. The group decided to keep drilling until 4:15 PM and backfill well to the 100-foot mark. Continuum reached the depth of 155-feet at end of day. Continuum filled well up to the 100 foot mark and covered the well with (2) 4x8 plates of steel and covered with soil for the night. Continuum will clean well out soil in the morning and try to reach the target depth of 178-feet.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, January 23, 2025
Facility:	LRI Landfill	Weather: AM:	26 ° F Sunny
Location:	Graham, WA	Weather: PM:	42 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Group, Ltd		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum continued to drill EW-436 at 8:00 AM removing soil that was backfilled to the 100-foot mark. Drill depth on EW-436 is 178-feet. Continuum reached 151 feet and the Kelly started to hang up so called group to set the well. Group agreed to set well at 151 feet. Continuum installed the gas well with 110-feet of 8-inch perforated CPVC pipe with 3-stabilizers and 40-feet of solid wall CPVC because the hole caved in 6 feet while we was installing pipe1-foot off the bore depth. The well was completed with 1 to 3 inch stone 3-foot over the perforated section with a geocomposite ring, a bottom 3-foot of hole plug bentonite with water mix, clean soil, and a top 3-foot bentonite plug and clean soil to grade. EW-436 was completed at 1:30 PM.
Continuum moved to WE-434 on top of stockpile. Continuum worked on drill for a couple of hours and started to drill into stockpile. The drill started to sink so pulled back off well to fill in around tracks. Continuum cleaned up mud around well area to get set up better, moved back onto well and drilled a little and pulled back off because drill was sinking. Ended up drilling 15 feet. Continuum left for the day. Decided to ask George if they could use the mats that was stockpiled out front. George checked with owners and said yes later in the day.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, January 24, 2025
Facility:	LRI Landfill	Weather: AM:	31 ° F Cloudy
Location:	Graham, WA	Weather: PM:	44 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Group, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 10:00 AM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Arrived to work this morning and the driller said he was sick and was not working today. Crew for Continuum stayed and cleaned up around wells WE-447, EW-440, and EW-436 with excavator.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Monday, January 27, 2025
Facility:	LRI Landfill	Weather: AM:	26 ° F Sunny
Location:	Graham, WA	Weather: PM:	46 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Group, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-434 at 7:47 AM. Drill depth on WE-434 is 194-feet. The drill ran into saturated material at 57-feet and installed muck bucket at 9:30 AM. At 10:15 AM the cable failed at 65-feet. Continuum drilled to 75-feet by 3:30PM and never pulled out any trash still in stockpile. Continuum covered the well with steel plate and covered with soil. Decided to continue the next day.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, January 28, 2025
Facility:	LRI Landfill	Weather: AM:	26 ° F Sunny
Location:	Graham, WA	Weather: PM:	46 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Group, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum continued to drill WE-434 at 7:45 AM. Drill depth on WE-434 is 194-feet continued to drill at 72-feet. Continuum continued to remove the saturated material from stockpile. At 92-feet continuum started to remove sledge waste At 100-feet temp was 70 degrees and at 110-feet temp was 162 degrees. Continuum continued to drill to 115-feet by 4:00PM and covered the well with the steel plates.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2025 Phase 3 LGS Expansion	Date:	Wednesday, January 29, 2025
Facility:	LRI Landfill	Weather: AM:	26 ° F Sunny
Location:	Graham, WA	Weather: PM:	48 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

WE-434 was covered from day before and caved-in overnight. Well was drilled to 115-feet day before. Continuum started to drill at 90 feet. (7:45 AM) Continuum drilled to a depth of 117 feet at 12:50 PM and called the group to see if they could set the pipe because of being saturated. Group agreed. While setting pipe hole caved in 22 feet. WE-434 ended up setting well at 92-feet.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, January 30, 2025
Facility:	LRI Landfill	Weather: AM:	28 ° F Cloudy
Location:	Graham, WA	Weather: PM:	44 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum finished setting WE-434 after settling for the night. Added a little more 1 to 3 inch stone, geotextile ring, soil, lower bentonite seal. soil, upper bentonite seal, and soil to grade, well completed at 11:30AM.

Continuum started to drill WE-435 at 7:45 AM. Drill depth on WE-435 is 193-feet. At 10:00AM an O-Ring failed on drill rig. Continuum replaced O-Ring and drill was running by 10:20 AM. Continuum drilled into waste at 80 feet. Started to drill into wet material at 130-feet. 197 degrees at 140-feet / 205 degrees at 145 feet / 204 degrees at 150 feet. Stopped at 150-feet for the day and covered waste and well hole with steel plates with soil over top.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, January 31, 2025
Facility:	LRI Landfill	Weather: AM:	38 ° F Rain
Location:	Graham, WA	Weather: PM:	49 ° F Rain
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 9:00 AM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Rained Out

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, February 4, 2025
Facility:	LRI Landfill	Weather: AM:	29 ° F Sunny
Location:	Graham, WA	Weather: PM:	39 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 2:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-439 at 7:45 AM. Drill depth on WE-439 is 186-feet. Continuum started to hit waste at 30 feet. At 51 foot continuum hit water. Continuum worked through the water until 103 feet where they stopped and filled the well back up to 40 feet below surface with select soil. Temps were low so far on WE439. Continuum covered hole with 2-steel plates and covered plates with soil. LRI has cut the wind defender for the next wells so Continuum started to build roads to the wells.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Wednesday, February 5, 2025
Facility:	LRI Landfill	Weather: AM:	29 ° F Cloudy
Location:	Graham, WA	Weather: PM:	39 ° F Snow
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

1"-3" Stone delivered / 6" CPVC solid pipe delivered

Description of work performed:

Continuum continued to drill WE-439 at 7:15 AM. Continuum removed soil that backfilled. Drill depth on WE-439 is 186-feet. At 10:20 AM the cable got tangled up in the spool, drill was back running by 11:30AM. Continuum drilled to a depth of 151-feet. Group agreed to set well at 151-feet. Continuum installed the well with 70-feet of 8-inch perforated CPVC pipe with 3-stabilizers and 80-feet of solid wall 6" CPVC section 1-foot off the bore depth. The well was completed with 1 to 3 inch stone 3-foot over the perforated section with a geocomposite ring, a bottom 3-foot of hole plug bentonite with water mix, clean soil, and a top 3-foot bentonite plug and clean soil to grade. WE-439 was completed at 5:30 PM.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, February 6, 2025
Facility:	LRI Landfill	Weather: AM:	31 ° F Sunny
Location:	Graham, WA	Weather: PM:	42 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Group, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 2:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

1-3" stone

Description of work performed:

Continuum started to drill WE-442 at 7:15 AM. Drill depth on WE-442 is 160-feet. Continuum started to encounter waste at 30 feet and was wet at 80 feet. The highest temp was 146 degrees. Stopped at 98-feet to weld shanks back on bucket after hitting some steel. 11:00AM, Continuum covered well with steel plates and added soil on plates for overnight.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, February 7, 2025
Facility:	LRI Landfill	Weather: AM:	26 ° F Cloudy
Location:	Graham, WA	Weather: PM:	40 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 6:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum continued to drill WE-442 at 7:00 AM. Drill depth on WE-442 is 160-feet. At 11:00AM the Kelly was hanging up at 145-feet, so Continuum tore Kelly apart so they could clean and grease. The drill was running by 2:50PM. Continuum continued to drill to the target depth of 160-feet. Continuum installed the well with 120-feet of 8-inch perforated CPVC pipe with 3-stabilizers and 40-feet of 6" solid wall CPVC section 1-foot off the bore depth. The well was completed with 1 to 3 inch stone 3-foot over the perforated section with a geocomposite ring, 1-foot of soil, a bottom 3-foot of hole plug bentonite with water mix, clean soil, and a top 3-foot bentonite plug and clean soil to grade. WE-442 was completed at 6:00 PM.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Monday, February 10, 2025
Facility:	LRI Landfill	Weather: AM:	24 ° F Sunny
Location:	Graham, WA	Weather: PM:	39 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-441 at 9:00 AM after a delay. Drill depth on WE-441 is 160-feet. Waste was encountered at 20 feet and the highest temp was 141 at 60-feet. The driller for Continuum said he was on top of water at 60-feet so we stopped drilling because we would not be able to finish well. Continuum covered well with steel plates and soil on top. Continuum will continue on Tuesday.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, February 11, 2025
Facility:	LRI Landfill	Weather: AM:	17 ° F Sunny
Location:	Graham, WA	Weather: PM:	39 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 4:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum continued to drill WE-441 at 7:15 AM. Drill depth on WE-441 is 160-feet. Continuum reached full depth at 12:00PM with temperature's reaching 208 degrees. Group decided to install 8" steel pipe. Continuum installed the well with 126-feet of 8-inch perforated steel pipe with 3-stabilizers and 21-feet of 8" solid steel wall section. The well was completed with 1 to 3 inch stone 3-foot over the perforated section with a geotextile ring, 1-foot of soil, a bottom 3-foot of hole plug bentonite with water mix, clean soil, and a top 3-foot bentonite plug and clean soil to grade. WE-441 was completed at 4:00PM.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Wednesday, February 12, 2025
Facility:	LRI Landfill	Weather: AM:	21 ° F Sunny
Location:	Graham, WA	Weather: PM:	42 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-443 at 7:22 AM. Drill depth on WE-443 is 166-feet. The drill encountered waste at 7 feet. Continuum drilled all day and reached the depth of 140-feet. The hottest temperature was 183 degrees at 140-feet. Continuum covered well with 2-steel plates with soil on top at end of the day and cleaned up the area around well.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, February 13, 2025
Facility:	LRI Landfill	Weather: AM:	25 ° F Cloudy
Location:	Graham, WA	Weather: PM:	39 ° F Snow
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum continued to drill WE-443 at 7:15 AM. Target depth on WE-443 is 166-feet. Continuum continued to drill to the target depth of 166 feet by 9:30 am. Continuum installed the well with 138-feet of 8-inch perforated CPVC pipe with 3-stabilizers. Continuum had some issues with the pipe installation so could not complete. Continuum covered well with 2-steel plates and soil on top, added a 8" cap on 8-inch CPVC. Continuum will finish the well on Friday.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, February 14, 2025
Facility:	LRI Landfill	Weather: AM:	25 ° F Snow
Location:	Graham, WA	Weather: PM:	39 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum already had the 8-inch perforated CPVC pipe with 3-stabilizers along with the 8-foot of solid 8" installed on 2-13-25. Continuum working on the 6-inch sleeve, 8-inch to 6-inch reducer which was screwed on to the top of reducer. 20-feet of 6-inch solid wall CPVC section. The well was completed with 1 to 3 inch stone 3-foot over the perforated section in which Continuum made a mistake of filling borehole to the top of borehole, so Continuum had to excavate along side of borehole to remove the excess stone. Continuum reached a depth of 14-feet 3-inches before adding, Geotextile ring, 1-foot of soil, 60 bags of hydrated bottom bentonite hole plug, clean soil, and another 60 bags of hydrated top bentonite plug and clean soil to grade. WE-443 was completed at 5:00 PM. The material removed along the borehole was taken to the face.
Continuum cleaned up area around the WE-443 borehole after well was completed.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Monday, February 17, 2025
Facility:	LRI Landfill	Weather: AM:	41 ° F Rain
Location:	Graham, WA	Weather: PM:	49 ° F Rain
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 8:00 AM	Departed Site: 4:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

True Point Survey staked out WE-437 and WE-438

Summary of samples collected and delivered:

N/A

Description of work performed:

Isaac with True Point Survey arrived on site and staked out new locations for WE437 and WE438.

Continuum arrived on site to set up on next well to be drilled WE-445.

Rained off and on all day.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, February 18, 2025
Facility:	LRI Landfill	Weather: AM:	40 ° F Cloudy
Location:	Graham, WA	Weather: PM:	51 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 2:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

True Point Survey staked WE-437 and WE-438.

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-445 at 7:15 AM. Drill depth on WE-445 is 154-feet. Continuum drilled to a depth of 38-feet by 9:20AM with the highest temperature at 117 degrees when the shaft broke leaving the kelly bar and bucket stuck in the waste. Continuum has to set up a big crane and man lift to be able to remove the kelly bar and see what the damage is. Crane is supposed to be delivered on the 19th.

The other survey crew arrived on-site to stake WE-437 and WE-438. The stakes were 5-feet from the ones True Point survey staked there's.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Wednesday, February 19, 2025
Facility:	LRI Landfill	Weather: AM:	42 ° F Rain
Location:	Graham, WA	Weather: PM:	49 ° F Rain
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum is finding a big enough crane and man-lift to remove Kelly from well. LRI is trying to decide if they want to drill the remaining wells to 140 feet.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, February 20, 2025
Facility:	LRI Landfill	Weather: AM:	41 ° F Cloudy
Location:	Graham, WA	Weather: PM:	50 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum tried to remove Kelly with Drill, 320 Excavator, D4 Dozer, and man-lift. Continuum had half of the Kelly out when chain broke Kelly came back down around 10:00 AM. Crane company (Barnhart Crane Co) left around 9:30 AM. Continuum set up for crane company to remove Kelly.

Barnhart arrived on site around 11:00 AM and set up. Kelly was removed by 2:30 PM . Crane Company was done and up out of area by 3:30 PM and on the road by 4:00 PM. Continuum took the Kelly up on the hill and brought the drill to the top to apply the other Kelly and bucket by 4:45 PM.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, February 21, 2025
Facility:	LRI Landfill	Weather: AM:	39 ° F Cloudy
Location:	Graham, WA	Weather: PM:	53 ° F Rain
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:30 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum tried to remove lost bucket with drill, but could not. Continuum bought a big hook and tried to retrieve the lost bucket, but could not. Continuum decided to cover WE445 with well grate and plastic with soil on top. They will remove bucket at a later date.
Continuum was setting up to drill WE-437 and WE438 by hauling rock to build road and placing mats at the well locations.
Continuum loaded up Kelly and shipped it to Ohio for repair.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Monday, February 24, 2025
Facility:	LRI Landfill	Weather: AM:	45 ° F Rain
Location:	Graham, WA	Weather: PM:	55 ° F Rain
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-438 at 7:15 AM. Design drill depth on WE-438 was set to 140-feet since they had to switch to the short Kelly. Due to site conditions WE-438 was not drilled and was removed from drilling schedule.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Tuesday, February 25, 2025
Facility:	LRI Landfill	Weather: AM:	40 ° F Rain
Location:	Graham, WA	Weather: PM:	48 ° F Rain
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 1:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum decided not to work today because of weather conditions and site conditions.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Wednesday, February 26, 2025
Facility:	LRI Landfill	Weather: AM:	34 ° F Cloudy
Location:	Graham, WA	Weather: PM:	58 ° F Cloudy
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 5:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum started to drill WE-444 at 8:18AM. At 8:20AM the drill broke down. The packing seal on the cylinder failed. Continuum contacted a mechanic, mechanic scheduled to arrive on 2-27-25 to repair. What was drilled was filled with material to grade and stake replaced.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, February 27, 2025
Facility:	LRI Landfill	Weather: AM:	40 ° F Sunny
Location:	Graham, WA	Weather: PM:	61 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum worked on maintenance and welding on equipment in the morning.

Mechanic arrived to the site at 11:30 am to remove the cylinder from the drill to get repaired.

Mechanic's loaded the 17-foot cylinder onto a pickup and hauled to Tacoma, Washington at 2:30 pm.

Continuum is hoping to have the cylinder back by Monday, but Continuum will know more after cylinder arrives to repair shop.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, February 28, 2025
Facility:	LRI Landfill	Weather: AM:	34 ° F Sunny
Location:	Graham, WA	Weather: PM:	59 ° F Sunny
Project No.:	0601-724-53-00	Precipitation:	N/A
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	Randy Liggett	Arrived On-Site: 7:00 AM	Departed Site: 3:00 PM

Summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, are estimated.

Description of work location:

LRI Landfill

Summary of materials installed:

N/A

List of contractor equipment and personnel:

(1) 730 Haul truck-Water Truck
(1) 289 Skid Steer-D4 Dozer
(1) 323 Excavator
(1) HPM Drill Rig

Summary of meetings, communication, and site visitors:

Colin McInnes/Austin Brazell

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Continuum working on equipment in the morning waiting on 42 inch bucket to arrive.

Continuum has e-mailed the group that the cylinder will not be repaired until 3-6-25 at the earliest and 3-10-25 at the latest.

CQA Rep. Signature: Randy Liggett

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, March 7, 2025
Facility:	LRI Landfill	Weather: AM:	37 °F Overcast
Location:	Graham, WA	Weather: PM:	53 °F Clear
Project No.:	0601-724-53-00	Precipitation:	0.10”
Contractor(s):	Continuum Environmental Services Ltd.		
WCG CQA Rep.:	James Sandmel	Arrived On-Site: 06:30 am	Departed Site: 6:00 pm

An estimated summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, is provided.

Description of work location:

LRI Landfill

Summary of materials installed:

8” PVC Gas Extraction Well

List of contractor equipment and personnel:

Skid steer (1), Drill Rig (1), Cat 323 Excavator (1), Cat 730 Haul Truck(1)

Summary of meetings, communication, and site visitors:

N/A

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Observed CES begin drilling operations of WE-444 at 0730. Waste composition and temperatures recorded every 10 feet. At approximately 115’ a hard obstruction was struck and damaged the drilling bucket and main Kelly bar cable. The Drilling rig was moved to a safe location and the cable was replaced. Drilling was not completed today and will resume tomorrow.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LFS Expansion	Date:	Wednesday, March 12, 2025
Facility:	LRI Landfill	Weather: AM:	43 °F Overcast
Location:	Graham, WA	Weather: PM:	51 °F Overcast
Project No.:	0601-724-53-00	Precipitation:	0.10”
Contractor(s):	Continuum Environmental Services, Ltd		
WCG CQA Rep.:	James Sandmel	Arrived On-Site: 06:30 am	Departed Site: 6:00 pm

An estimated summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, is provided.

Description of work location:

LRI Landfill

Summary of materials installed:

8” CPVC Gas Extraction Well

List of contractor equipment and personnel:

Skid steer (1), Drill Rig (1), Cat 323 Excavator (1), Cat 730 Haul Truck(1)

Summary of meetings, communication, and site visitors:

N/A

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

The drill rig repairs have been made and drilling operations can continue. Observed Continuum began drilling operation of WE-446 at 0840. Waste composition and temperatures were recorded and documented every 10’. No major obstructions or delays were encountered. A maximum depth of 140’ was reached at 1500.

Observed CES begin setting the extraction well, utilizing 8” CPVC piping. The piping was installed with 114’ perf pipe and 25’ of solid pipe. Screening material was used to backfill the borehole along with bentonite and clean soil per the design plan. The extraction well was not complete due to the operating hours of heavy equipment. Installation will resume the following day.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Thursday, March 13, 2025
Facility:	LRI Landfill	Weather: AM:	39 °F Overcast
Location:	Graham, WA	Weather: PM:	57 °F Overcast
Project No.:	0601-724-53-00	Precipitation:	0.10”
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	James Sandmel	Arrived On-Site: 06:30 am	Departed Site: 6:00 pm

An estimated summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, is provided.

Description of work location:

LRI Landfill

Summary of materials installed:

8” CPVC Gas Extraction Well

List of contractor equipment and personnel:

Skid steer (1), Drill Rig (1), Cat 323 Excavator (1), Cat 730 Haul Truck(1)

Summary of meetings, communication, and site visitors:

N/A

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Observed Continuum made preparation to begin drilling WE-437. Road material and wooden mats were placed to allow the drill rig to maneuver to the staked location. CES began drilling at the staked location. At approximately 8’ the borehole began to collapse. The collapsing hole was undercutting the bench under the drill rig. For concerns of safety WE-437 and WE-438 have been removed from the well schedule until the surrounding area has dried.

Observed CES complete the extraction well installation at WE-446. The boot and remaining clean soil backfill was placed and the area cleaned up.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Friday, March 14, 2025
Facility:	LRI Landfill	Weather: AM:	41 °F Overcast
Location:	Graham, WA	Weather: PM:	49 °F Overcast
Project No.:	0601-724-53-00	Precipitation:	0.10”
Contractor(s):	Continuum Environmental Services, Ltd.		
WCG CQA Rep.:	James Sandmel	Arrived On-Site: 06:30 am	Departed Site: 6:00 pm

An estimated summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, is provided.

Description of work location:

LRI Landfill

Summary of materials installed:

8” Steel Gas Extraction Well

List of contractor equipment and personnel:

Skid steer (1), Drill Rig (1), Cat 323 Excavator (1), Cat 730 Haul Truck(1)

Summary of meetings, communication, and site visitors:

N/A

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

Observed Continuum make preparation to begin drilling WE-445. The location was offset 10’ to the northwest due to the previous location blocked. Drilling began at 1010. At approximately 110’ depth, temperature reached 186 degrees. The frequency of temperature testing increased to every 5’. A final depth of 140’ was reached at 1630. Continuum switched the extraction well material from PVC to steel due to the elevated temperatures.

Observed Continuum begin installation of steel piping. The 21’ sections were installed and bolted together. While installing the pipe, the borehole collapsed at the bottom approximately 10’. Heavy equipment operating hours expired and will continue installation the following day.

CQA Rep. Signature:

Weaver Consultants Group

Daily Field Report

Project:	2024 Phase 3 LGS Expansion	Date:	Saturday, March 15, 2025
Facility:	LRI Landfill	Weather: AM:	38 °F Overcast
Location:	Graham, WA	Weather: PM:	41 °F Overcast
Project No.:	0601-724-53-00	Precipitation:	0.10”
Contractor(s):	Continuum Environmental Services, Ltd		
WCG CQA Rep.:	James Sandmel	Arrived On-Site: 06:30 am	Departed Site: 11:55 am

An estimated summary of technical and/or engineering services performed, including field test data, locations, elevations, and depths, is provided.

Description of work location:

LRI Landfill

Summary of materials installed:

8” CPVC Gas Extraction Well

List of contractor equipment and personnel:

Skid steer (1), Drill Rig (1), Cat 323 Excavator (1), Cat 730 Haul Truck(1)

Summary of meetings, communication, and site visitors:

N/A

Summary of survey performed:

N/A

Summary of samples collected and delivered:

N/A

Description of work performed:

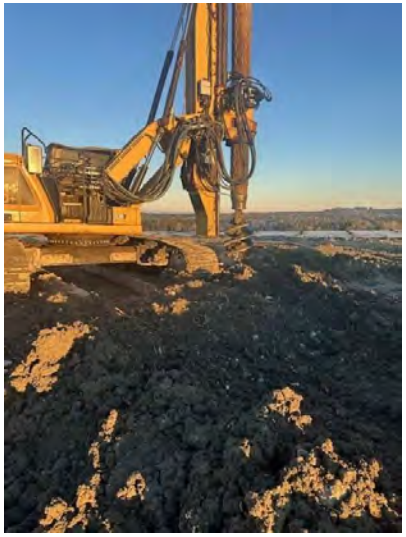
Observed Continuum continue the installation of WE-445. Due to the collapsing of the bore hole, only 105’ of perf and 21’ feet of solid to be installed. The piping was held in place and screening material backfilled to close the void and set the well. Clean soil and bentonite backfilled as per the design plan to complete the well installation. WE-445 was complete at 11:30 am. The remaining areas and benches were cleaned up and removed.

CQA Rep. Signature:

APPENDIX C

CONSTRUCTION PHOTOGRAPHS

Photograph 1: Drill Rig Broken Cable Swap



Photograph 2: WE-434 - 45-feet

Photograph 3: WE-434 - 50-feet

Photograph 4: WE-434 - 57-feet - Changed to muck bucket

Photograph 5: WE-434 - 70-feet

Photograph 6: WE-434 - 90-feet

Photograph 7: WE-434 - 92-feet

Photograph 8: WE-434 - 100-feet

Photograph 9: WE-434 - 110-feet

Photograph 10: WE-434 - Covered for the night

Photograph 11: WE-434 - Drill Rig Stage

Photograph 12: WE-434 - Overnight settlement

Photograph 13: WE-434 - Stake ID

Photograph 14: WE-434 - Well Casing Installation(1)

Photograph 15: WE-434 - Well Casing Installation(2)

Photograph 16: WE-434 - Well Casing Installation(3)

Photograph 17: WE-434 - Well Casing Installation(4)

Photograph 18: WE-434 - Well Casing Installation

Photograph 19: WE-435 - 30-feet

Photograph 20: WE-435 - 60-feet

Photograph 21: WE-435 - 70-feet

Photograph 22: WE-435 - 80-feet

Photograph 23: WE-435 - 90-feet

Photograph 24: WE-435 - 100-feet

Photograph 25: WE-435 - 110-feet

Photograph 26: WE-435 - 120-feet

Photograph 27: WE-435 - 130-feet

Photograph 28: WE-435 - 140-feet

Photograph 29: WE-435 - 145-feet

Photograph 30: WE-435 - 155-feet

Photograph 31: WE-435 - 160-feet

Photograph 32: WE-435 - 164-feet

Photograph 33: WE-435 - Bentonite Backfill

Photograph 34: WE-435 - Centralizer

Photograph 35: WE-435 - Covered for end of day

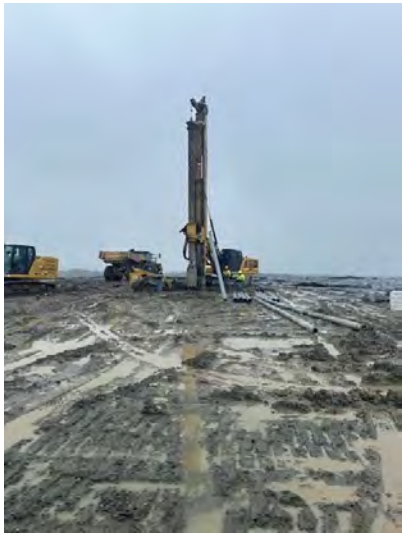
Photograph 36: WE-435 - Material Staging

Photograph 37: WE-435 - Rock Backfill

Photograph 38: WE-435 - Well Casing Installation (2)

Photograph 39: WE-435 - Well Casing Installation (3)

Photograph 40: WE-435 - Well Casing Installation (4)



Photograph 41: WE-435 - Well Casing Installation

Photograph 42: WE-436 - 70-feet

Photograph 43: WE-436 - 80-feet

Photograph 44: WE-436 - 90-feet

Photograph 45: WE-436 - 100-feet

Photograph 46: WE-436 - 110-feet

Photograph 47: WE-436 - 120-feet

Photograph 48: WE-436 - 130-feet

Photograph 49: WE-436 - 140-feet

Photograph 50: WE-436 - 150-feet

Photograph 51: WE-436 - Bentonite Backfill

Photograph 52: WE-436 - Bentonite Backfill

Photograph 53: WE-436 - Covered at end of day

Photograph 54: WE-436 - Pipe Install

Photograph 55: WE-436 - Pipe Install

Photograph 56: WE-436 - Pipe Install

Photograph 57: WE-436 - Pipe Install

Photograph 58: WE-436 - Pipe Install

Photograph 59: WE-436 - Pipe Install

Photograph 60: WE-436 - Pipe Install

Photograph 61: WE-436 - Pipe Install

Photograph 62: WE-436 - Pipe Install

Photograph 63: WE-436 - Pipe Install

Photograph 64: WE-436 - Pipe Install

Photograph 65: WE-436 Drill Stage

Photograph 66: WE-439 - 30-feet

Photograph 67: WE-439 - 40-feet

Photograph 68: WE-439 - 70-feet

Photograph 69: WE-439 - 80-feet

Photograph 70: WE-439 - 90-feet

Photograph 71: WE-439 - 100-feet

Photograph 72: WE-439 - 120-feet

Photograph 73: WE-439 - 130-feet

Photograph 74: WE-439 - 140-feet

Photograph 75: WE-439 - 150-feet

Photograph 76: WE-439 - Centralizer

Photograph 77: WE-439 - Covered end of day

Photograph 78: WE-439 - Stake

Photograph 79: WE-439 - Well Casing Installation

Photograph 80: WE-439 -Stockpile Material

Photograph 81: WE-439 -Well Casing Installation (2)

Photograph 82: WE-440 - Pipe Installation (1)

Photograph 83: WE-440 - Pipe Installation (2)

Photograph 84: WE-440 - Pipe Installation (3)

Photograph 85: WE-440 - Pipe Installation (5)

Photograph 86: WE-440 - Pipe Installation (6)

Photograph 87: WE-440 - Pipe Installation (7)

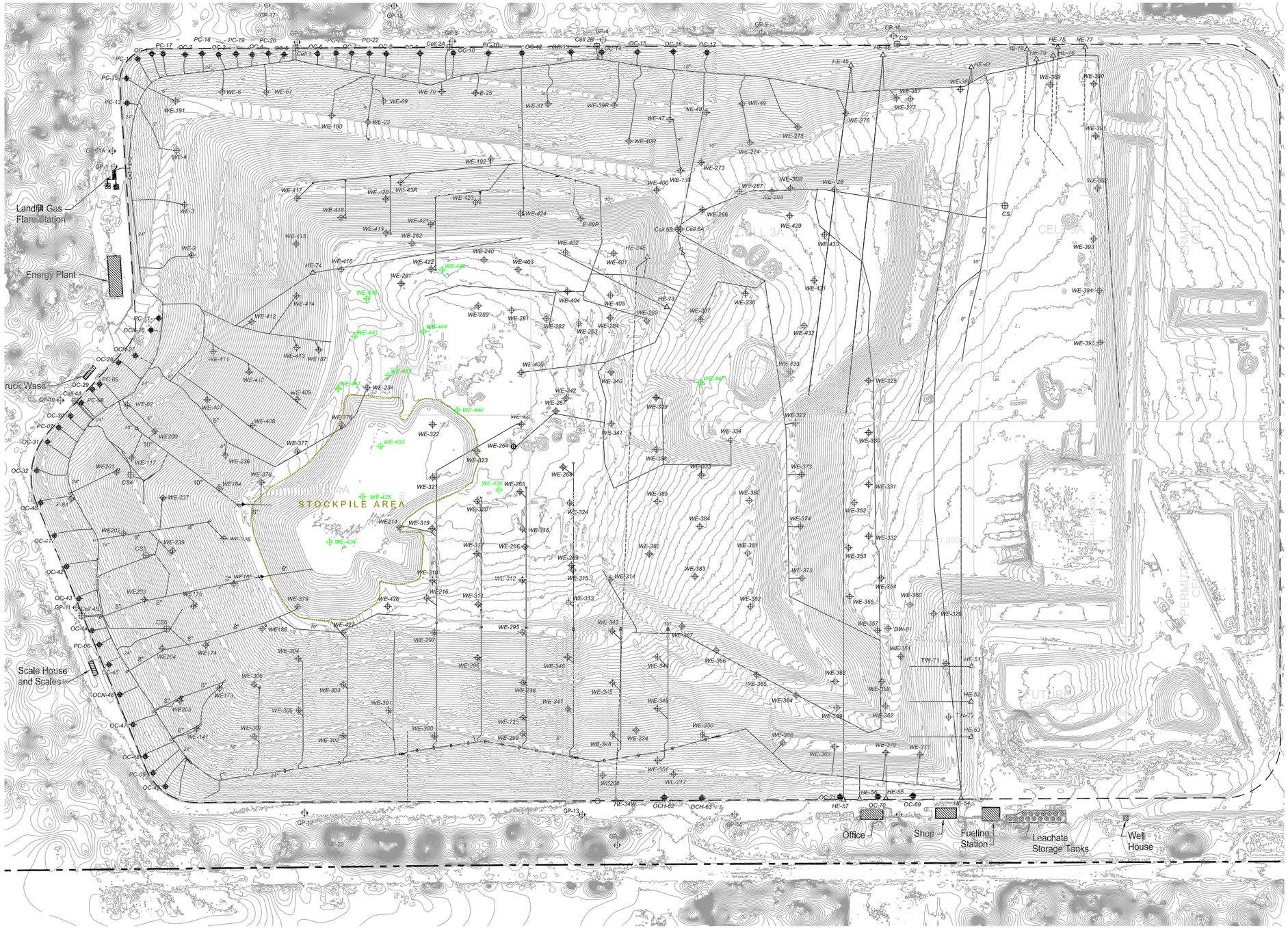
Photograph 88: WE-440 - Pipe Installation (8)

Photograph 89: WE-440 - Pipe Installation

Photograph 90: WE-440 8-inch CPVC Well Casing

APPENDIX D

SITE PLAN


Landfill Gas Flare Station
Energy Plant
Scale House and Scales
STOCKPILE AREA
Office
Shop
Fueling Station
Leachate Storage Tanks
Well House
CELL 3A
CELL 3B
CELL 4A
CELL 4B
FUTURE CELL 5
PERMITTED CELL 5
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GP-13
GP-20
GP-19
GP-10
GP-11
GP-1
GP-2
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GP-4
GP-5
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GP-9
GP-14
GP-15
GP-16
GP-17
GP-18
E-64
E-89R
TW-71
DW-01
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CS3
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