2024 Annual Report

LRI Landfill
Graham, Washington

Pierce County Recycling, Composting
& Disposal, LLC dba LRI
17925 Meridian Street East
Puyallup, Washington 98375

SCS ENGINEERS

04225001.02 | April 10, 2025

2405 140th Avenue NE, Suite 107
Bellevue, WA 98005
425-746-4600

This 2024 Annual Report for the LRI Landfill located in Graham, Washington, was prepared by Alex Deszo and Jovany Estrada and was reviewed by Travis Berndahl and Gregory Helland of SCS Engineers.

April 1, 2024

Alex Deszo
Associate Staff Scientist
SCS ENGINEERS

Jovany Estrada
Project Professional
SCS ENGINEERS

Travis Berndahl
Project Professional
SCS ENGINEERS

Gregory Helland, LG, LHG
Project Director
SCS ENGINEERS

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1.0 INTRODUCTION

This document is the annual report for the LRI Landfill for the 2024 compliance year. The facility is a municipal solid waste landfill that operates in compliance with a *Full Permit for Solid Waste Handling* (Permit No. 27-050) issued by the Tacoma-Pierce County Health Department (TPCHD). The landfill is located approximately 15 miles south of Puyallup at 30919 Meridian East, in Graham, Washington (Figure 1). This report presents a summary of the 2024 solid waste disposal activities and monitoring results and meets the requirements of Section VI (11) of the *Full Permit for Solid Waste Handling*, and Sections 200(11) and 600(3)(ii) of Chapter 173-351 WAC*, Criteria for Municipal Solid Waste Landfills.*

1.1 FACILITY CONTACT INFORMATION

Jose Camacho
Site Manager
LRI Landfill
30919 Meridian East
Graham, Washington 98338
(253) 875-7882 Office
(253) 875-5017 FAX

1.2 FACILITY DESCRIPTION

The landfill property is approximately 320 acres in size and is situated in the west half of Section 10, Township 17N, Range 4E. At completion, the landfill will encompass a footprint of approximately 169.2 acres. Figure 2 provides a site map showing the primary features of the landfill facility.

Eleven refuse disposal cells (Cells 1, 2A, 2B, 3A, 4A, 4B, 5, 6, 7, 8 and 9A/B) with a combined bottom liner area of approximately 143.4 acres (in plan-view) have been constructed to date. As of the end of 2024, each of the disposal cells, have been used for waste disposal. A summary of cell construction information is included in Exhibit 1.

Exhibit 1. Cell Construction Information

Cell	Approximate Acreage	Year Constructed	Initial Waste Placement
Cell 1	15.83	1999	December 1999
Cell 2A	10.57	2000	July 2001
Cell 2B	11.24	2002	April 2003
Cell 3	10.81	2004	December 2004
Cell 4A[(1)]	17.41	2005 - 2007	April 2006
Cell 4B[(2)]	17.63	2008 - 2010	January 2009
Cell 5[(3)]	9.24	2012 - 2013	May 2013
Cell 6[(4)]	12.81	2015 - 2017	June 2017
Cell 7	11.54	2019	December 2019
Cell 8[(5)]	10.42	2020 – 2021	November 2020
Cell 9A	9.70	2022	April 2023

Cell 9B	6.15	2023	May 2024
Total Acreage:	**143.35**		

Notes:
1) Cell 4A was constructed in three phases.
2) Cell 4B was constructed in three phases.
3) Cell 5 was constructed in two phases.
4) Cell 6 was constructed in two phases.
5) Cell 8 was constructed in two phases.

Nine phases of final closure construction, totaling approximately 44.0 acres (in plan-view) have been completed to date over portions of Cells 1, 2A, 2B, 4A, 4B, 5 and 6. A summary of final closure construction information is included in Exhibit 2.

Exhibit 2. Final Closure Construction Information

Cell	Approximate Acreage	Year Constructed
Phase I	4.7	2001
Phase IA	4,500 SF	2006
Phase IIA	5.2	2007
Phase IIB	3.9	2008
Phase IIC	4.2	2009
Phase III	6.3	2011
Phase IVA	6.8	2018 - 2019
Phase VA	8.0	2021
Phase VB	4.8	2022
Phase IVB	6.5	2024/2025
Total Acreage:	**44.0**	

1.3 2024 MONITORING AND REPORTING ACTIVITIES

Groundwater monitoring activities were conducted quarterly during March, June, September, and December following the procedures described in the *LRI Landfill Groundwater Monitoring Plan* (GWMP, March 20, 2014). In addition to water quality sampling, water level measurements were recorded during each monitoring event and are included in Appendix A. Monitoring results are provided in summary data tables in Appendix B and in the groundwater database in Appendix C. A geochemical evaluation including trilinear diagrams is included in Appendix D and groundwater statistical calculations are provided in Appendix E. Water quality time trends for the leak detection and collection system (LDCS) are presented in Appendix F.

Stormwater monitoring was performed weekly, monthly, and quarterly in accordance with the National Pollution Discharge Elimination System (NPDES) Industrial Stormwater General Permit (ISGP Permit No. WAR002557) and the NPDES Construction Stormwater General Permit (CSWGP Permit No. WAR002603). Copies of the 2024 Discharge Monitoring Reports (DMRs) for the construction and industrial permits are included in Appendix G.

Landfill gas probe monitoring was conducted monthly and on-site buildings were monitored quarterly during 2024. Summary results of landfill gas monitoring are provided in Appendix H.

1.4 FINANCIAL ASSURANCE FOR POST-CLOSURE CARE

Summary tables of estimated costs for closure activities, post-closure care, and annual environmental monitoring are included in Appendix I.

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

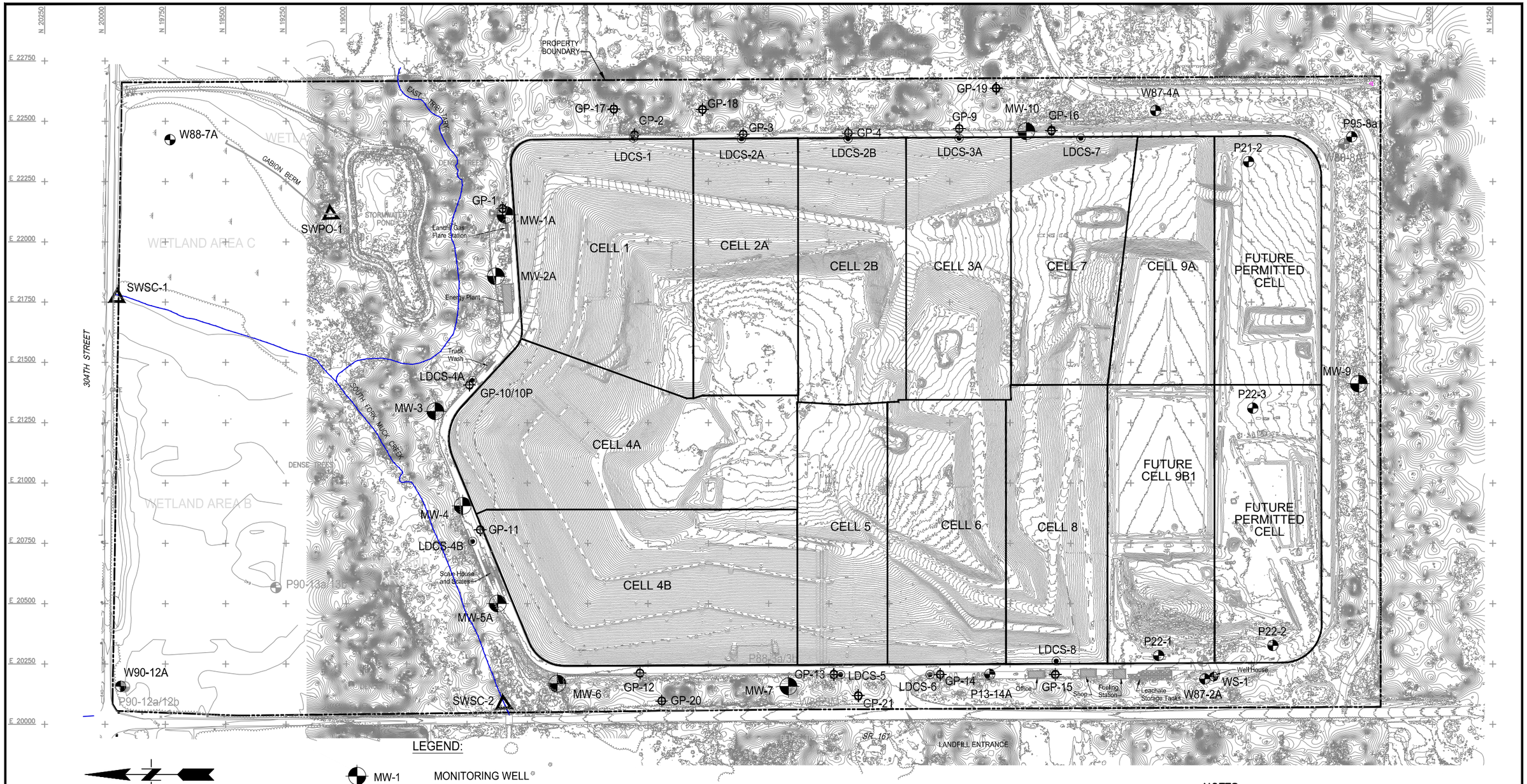
PROJECT NO. 04225001.02	DES BY LEL
SCALE NOT TO SCALE	CHK BY SEG
CAD FILE FIGURE 1	APP BY KGL

SITE LOCATION MAP

LRI LANDFILL
30919 MERIDIAN STREET E.
GRAHAM, WASHINGTON

DATE MARCH 2025

FIGURE 1



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

NOTES:

1. TOPOGRAPHIC BASE MAP PERFORMED BY PROPELLER AEROBOTICS, DATED 2023-10-01.
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.

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

PROJECT NO. 04225001.02	DES BY AMD	SITE MAP	DATE MARCH 2025
SCALE AS SHOWN	CHK BY KGL	LRI LANDFILL 30919 MERIDIAN STREET EAST GRAHAM, WASHINGTON	FIGURE 2
CAD FILE FIGURE 2	APP BY KGL		

G:\04225\001\06 - LRI - Xrefs IS Landfill\2.1 Drawings - general\Site Maps\Figure 2 - Site Plan 03-01-2024.dwg Figure 2, 1/4/2024 4:46:14 PM, DWG To PDF.pc3

2.0 2024 REPORT FORM AND FACILITY CAPACITY INFORMATION

The tonnage of waste materials landfilled at the LRI Landfill during 2024 was approximately 1,039,382 tons. The total tonnage landfilled at the LRI Landfill since opening in December 1999 through December 31, 2024, accrues to approximately 24,739,382 tons. The in-place density of combined waste placed between December 1999 and December 31, 2024, is estimated to be approximately 2,100 pounds per cubic yard (lbs/CY). This estimate is based on the tonnage of waste landfilled and the calculated volume of fill from aerial photo topography data with an assumed allowance for ongoing densification of the waste over time. Based on the in-place density estimate of 2,100 lbs/CY, the volume of airspace consumed through December 31, 2024, was approximately 23,185,500 million cubic yards, or approximately 67 percent of the 34.6 million cubic yard total facility capacity estimate (not including volume consumed by daily and interim soil cover).

A copy of the LRI Landfill 2024 Annual Report Form for Municipal Solid Waste Landfills required by the Washington Department of Ecology (Ecology) is included in Appendix J.

3.0 LEACHATE MONITORING

3.1 LEACHATE VOLUMES

Leachate is collected from the eleven active landfill cells with depth-activated submersible pumps. Collected leachate is pumped via force-main to sixteen above ground storage tanks, with a combined storage capacity of approximately 218,400 gallons. Leachate collected during 2024 was truck-hauled to the Hidden Valley Landfill where it was pre-treated and subsequently discharged to the Pierce County sewer system in accordance with the Pierce County Utilities Department Industrial Discharge Permit Number PC03096. In addition, leachate was truck-hauled to the City of Tacoma in Tacoma, Washington, and the City of Salem in Salem, Oregon for appropriate disposal. The volume of leachate produced at the landfill was measured with flow meters installed at each sump using a programmable logic controller (PLC) system, and by recorded volumes of leachate truck-hauled off-site for proper disposal. A summary of the fourth quarter 2024 leachate pumping records is included in Appendix F. A summary of 2024 leachate volumes truck-hauled off site for proper disposal is shown in Exhibit 3.

Exhibit 3. 2024 Leachate Volume Data

Month	Leachate Production (gallons)	Monthly Rainfall (inches)
January	5,191,007	6.87
February	4,863,281	2.87
March	3,127,021	1.78
April	2,727,925	2.66
May	3,348,614	2.45
June	2,634,788	2.46
July	2,610,703	0.18
August	2,100,729	1.23
September	2,323,923	0.70

October	2,864,881	3.48
November	3,092,095	5.44
December	3,598,619	6.94
Totals	38,483,586	37.06
Notes: Leachate was truck-hauled off-site for proper disposal. Leachate volumes were determined by trucking records kept on a daily basis. Rainfall totals were obtained from an on-site rain gauge and from Weather Underground Station KWAGRA.		

3.2 LEACHATE QUALITY

Leachate samples were obtained from each individual sump location during December 2024. The leachate samples were collected using sampling ports installed near the leachate riser pipes, or as grab samples. The collected leachate samples were submitted to Eurofins TestAmerica of Denver, Colorado and analyzed for the parameters listed in Appendix I and II of WAC 173-351. The results of leachate monitoring are included on summary tables in Appendix B and with the groundwater database in Appendix C. No significant changes in leachate quality were noted in 2024 (see attached leachate database in Appendix C).

4.0 LEAK DETECTION MONITORING

The LRI Landfill includes a Leak Detection/Collection System (LDCS) that consists of a high-permeability gravel layer beneath the composite liner of each of the disposal cells. The LDCS is designed to monitor groundwater quality beneath the composite liner for early leak detection and to collect any leachate in the event a leak develops in the liner. Each landfill cell has one LDCS sump where groundwater is removed and monitored (see Figure 2 for sump locations). The PLC system is used to monitor the LDCS daily at each landfill cell for the total volume of water pumped and specific conductance (conductivity). In addition, samples are collected quarterly and analyzed for the parameters listed in Appendix I and II of WAC 173-351. Metals are analyzed as dissolved metals. Samples for laboratory testing were submitted to Eurofins TestAmerica of Denver, Colorado.

Summary tables of LDCS water quality results for each quarter are provided in Appendix B along with the groundwater monitoring results. Groundwater data generated from monitoring activities in 2024 were validated and input into a database utilizing Microsoft Office Access 2016 software. Field sampling data sheets and a data validation summary from the fourth quarter 2024 groundwater monitoring event are provided in Appendix B. A copy of the groundwater database for 2024 is included in Appendix C. Trilinear diagram plots of water quality data from the LDCS sumps are included in Appendix D.

Water quality results from the LDCS are evaluated for primary and secondary leachate indicator parameters and for landfill gas indicator parameters (see Section 12.5 of the GWMP). Primary leachate indicator parameters include acetone and 2-butanone (MEK). These constituents are consistently present in the leachate at elevated concentrations and are typically not naturally present in the groundwater. Secondary leachate indicator parameters include ammonia and chloride. These constituents are consistently present in the leachate at elevated concentrations and are naturally present in the groundwater at low concentrations. In addition, monitored increases in specific conductance (conductivity), total dissolved solids, alkalinity, sodium, potassium, and total organic carbon are further indications of potential leachate effects on water quality.

Landfill gas indicator parameters include dichlorodifluoromethane (Freon 12) and trichlorofluoromethane (Freon 11). These compounds are highly volatile, mobile, dissolve readily in water, and are not naturally present in the groundwater.

4.1 LDCS DAILY MONITORING

Groundwater is removed from the LDCS using dedicated submersible pumps that are activated by high (on) and low (off) float switches or transducers. LDCS monitoring data were uploaded from the PLC and supplemented with manually recorded data by LRI staff. Summaries of daily rainfall totals, daily discharge from the LDCS, and daily conductivity measurements for each LDCS sump are included in Appendix F. Also included are time-series plots that show the volume of water pumped, precipitation, and groundwater conductivity. The volume of water pumped from the LDCS increases during periods of sustained rainfall as illustrated by the time series plots. This correlation is believed to be the result of lateral inflow of water perched on top of the low permeability glacial till present beneath the landfill.

During 2024, operation and maintenance activities associated with the LDCS included replacing flowmeters and sampling pumps, checking electrical connections, and calibrating equipment within the vaults (pumps and meters) as needed. In addition, there were periods when the LDCS

conductivity meters incorrectly reported either zero or 1,000 µS/cm values due to equipment failures. These data points have been removed from the time series plots.

Conductivity data from the LDCS sumps generally trended within typical historical ranges during 2024.

4.2 LDCS QUARTERLY MONITORING

Groundwater samples were collected quarterly from each LDCS monitoring location. Samples were obtained from the LDCS sump riser pipes using disposable bailers at LDCS-1, LDCS-2A and LDCS-2B, and from dedicated low-flow QED bladder pumps at LDCS-3A, LDCS-4A, LDCS-4B, LDCS-5, LDCS-6, and LDCS-7. Samples from LDCS-8 were collected as grab samples from the concrete channel discharge line. Samples from LDCS-9 were collected from the temporary Cell 9B sump during the first, second, third and fourth quarter monitoring events.

Samples were submitted to Eurofins TestAmerica of Denver, Colorado. Field and laboratory data results for the LDCS samples are included on summary tables in Appendix B and in the groundwater database in Appendix C.

Time-trend plots for inorganic parameter and dissolved metal concentrations at the LDCS sumps are included in Appendix F. These plots provide a means of tracking water quality trends in the LDCS system. The following four plots are included for each leak detection sump:

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

Water quality results from the leak detection sumps during 2024 were generally consistent with previously measured values (see Appendix F), except as noted below.

Ammonia was reported at concentrations up to 2.80 mg/L at each of the LDCS sumps during one or more quarters in 2024. Low-level concentrations of ammonia (up to 0.26 mg/L) were also reported in most of the groundwater monitoring wells during 2024. These ammonia detections appear to be consistent with historic data.

Chloride concentrations continue to display a very slowly increasing trend at LDCS-4A and LDCS-4B, and more recently at LDCS-2B and LDCS-6 (see the time trend plots in Attachment F). In addition, higher chloride concentrations continued to be reported at LDCS-5 during 2024 monitoring events. However, in each case the remaining leachate indicator parameters remained low or non-detect, therefore, the water quality trends noted above do not appear to be the result of leachate.

Dissolved iron concentrations greater than 1.0 mg/L (up to 1900 mg/L, LDCS-2B in third quarter) were reported at each of the LDCS locations in 2024 during at least one quarter, with the exception of LDCS-4B, LDCS-5 and LDCS-9. Dissolved manganese concentrations greater than 1.0 mg/L (up to 14 mg/L, LDCS-2A in third quarter) were reported at each of the LDCS locations in 2024 during at least one quarter. These elevated concentrations are likely due to the presence of iron and manganese bacteria that may be present in shallow soils surrounding the landfill.

Total organic carbon results for LDCS-1, LDCS-2A, LDCS-2B, LDCS-5 and LDCS-7 included elevated concentrations (>10 mg/L) during one or more quarterly monitoring events in 2024.

Low-level detections of 1,4-dichlorobenzene (up to 2.2 µg/L, LDCS-1 third quarter) were reported in all 2024 samples collected from LDCS-1 and from LDCS-2A during the first, third and fourth quarter monitoring events. However, as discussed above, secondary indicator parameters ammonia and chloride remained consistent with historic results (see time trend plots included in Appendix F). Additionally, primary indicator parameter, 2-butanone, was not detected at any of these LDCS locations during 2024. Therefore, the reported VOC detections do not appear to be related to leachate.

Acetone was detected at LDCS-1, LDCS-2A and LDCS-2B during several quarterly monitoring events, including at 57 µg/L during the third quarter in LDCS-2A. However, primary leachate indicator parameter, 2-butanone, was not detected and secondary indicator parameters, ammonia and chloride, (4.5 mg/L and 34 mg/L, respectively, at LDCS-2A during the third quarter) remained low. Therefore, the acetone detections do not appear to be the result of leachate.

Benzene was detected during all quarterly monitoring events at LDCS-7 (up to 2.4 µg/L). It was also detected during the first three quarters at LDCS-8 and in third quarter at LDCS-1. However, primary leachate indicator parameters acetone and 2-butanone were not detected, and secondary indicator parameters, ammonia and chloride remained at low concentrations. Therefore, the benzene detections do not appear to be the result of leachate.

No other VOCs were detected in samples collected from the LDCS in 2024.

5.0 GROUNDWATER LEVELS AND FLOW DIRECTIONS

5.1 LOCAL HYDROGEOLOGY

The LRI Landfill site is located on low-permeability glacial till and transitional till that is approximately 45 feet thick. Beneath the glacial till layer is a saturated glacial outwash deposit that forms a confined aquifer. Intermediate and deeper groundwater systems are present at the site, each of which is separated by layers of low permeability (aquitard) deposits. Summary descriptions of the individual hydrogeologic units are presented in Section 2 of the GWMP.

5.2 WATER LEVEL MEASUREMENTS

Depth to water level measurements were collected quarterly in 2024. The water level database and water level contour maps for each quarter are included in Appendix A. Groundwater flow in the confined aquifer was to the northwest during all monitoring events. Horizontal hydraulic gradients in the confined aquifer ranged from approximately 0.007 to 0.012 beneath the active area of the landfill. This flow pattern is consistent with previous data. The horizontal hydraulic conductivity of the confined aquifer is inferred to range from 1×10^{-4} centimeters per second (cm/sec) to 1×10^{-2} cm/sec. This range of values is based on rising head slug test data and on observations of groundwater discharge during drilling. The effective porosity of the aquifer is assumed to be 25 to 40 percent, based on values documented in the scientific literature (Freeze and Cherry, 1979). Based on a horizontal hydraulic gradient of 0.0125, a horizontal hydraulic conductivity of 1×10^{3} cm/sec, and a porosity of 30 percent, the horizontal flow rate of water in the confined aquifer is estimated to be approximately 43 feet per year in the area of Cell 1.

6.0 GROUNDWATER MONITORING

The groundwater monitoring network for the LRI Landfill in 2024 included two background wells (MW-9 and MW-10) and seven downgradient wells (MW-1A, MW-2A, MW-3, MW-4, MW-5A, MW-6, and MW-7). Quarterly groundwater monitoring was conducted in March, June, September, and December using micro-purge techniques and dedicated QED Well Wizard pumps, or a non-dedicated QED Sample Pro pump (at MW-4). Groundwater samples were analyzed for the parameters listed in Appendix I and Appendix II of WAC 173-351. Samples were submitted to Eurofins TestAmerica of Denver, Colorado. Groundwater sampling locations are depicted in Figure 2.

Summary tables of water quality results for each quarter are provided in Appendix B. Data provided in the tables include field parameters, laboratory parameters, and duplicate samples. Groundwater data generated from monitoring activities in 2024 were validated and input into a database utilizing Microsoft Office Access 2016 software and will be uploaded into Ecology's Environmental Information Management (EIM) database system. Time trend plots, field sampling data sheets, and a data validation summary for the fourth quarter 2024 groundwater monitoring event are provided in Appendix B. A copy of the groundwater database for 2024 is included in Appendix C. Trilinear diagram plots and anion/cation balance equations are included in Appendix D. Statistical calculations performed on groundwater data are presented in Appendix E. The groundwater database was provided to the TPCHD as a Microsoft Office Access file in electronic format (on compact disk) and analytical laboratory reports were provided as paper hardcopies under a separate submittal.

6.1 BACKGROUND DATA

The background water quality data set includes a minimum of eight rounds of water quality data collected from each downgradient monitoring well prior to the placement of waste in an upgradient landfill cell. In addition, ongoing background water quality data is collected each quarter from upgradient wells MW-9 and MW-10.

Low levels of inorganic parameters including alkalinity, ammonia, chloride, nitrate, sulfate, total organic carbon, and total dissolved solids, as well as low levels of total metals including barium, calcium, magnesium, potassium, sodium, vanadium, and zinc were reported in the background groundwater samples. VOCs, with two exceptions, have not been reported in the background samples.

6.2 GROUNDWATER QUALITY EVALUATION

Consistent with the GWMP, a nonparametric inter-well prediction limit approach is used to evaluate water quality results for Appendix I parameters (15 metals plus nitrate). Using this procedure, the highest concentration of each parameter in the background data set is selected as the prediction limit for that parameter. For total metals, prediction limits for non-detected metals were set equal to the method reporting limit (MRL). If more than one MRL was used over the eight-quarter evaluation period, the higher value was selected as the prediction limit.

Prediction limits are updated when water quality changes are observed from ongoing monitoring at upgradient (background) wells MW-9 and MW-10. The groundwater prediction limits remained unchanged in 2024. Nitrate and total metal concentrations measured at downgradient monitoring wells were less than or equal to prediction limit values during 2024 except at MW-4, where chromium and vanadium exceeded their prediction limits by 0.04 mg/L and 0.013 mg/L respectively.

Downgradient water quality results were also compared to the groundwater quality criteria listed in WAC 173-200. Inorganic parameters and metals results measured at downgradient monitoring wells that exceeded their respective groundwater quality criteria are included below in Exhibit 4. The values listed in Exhibit 4 remained typical of previous results, are interpreted to be within natural background variation. The MRL for arsenic is 0.005 milligrams per liter (mg/L), which is greater than the WAC 173-200 criterion of 0.00005 mg/L. Therefore, all arsenic results were greater than the WAC 173 200 criterion. With the exception of a first quarter arsenic detection at MW-4 of 0.011 mg/L, all reported arsenic detections were less than or equal to the Federal primary drinking water maximum contaminant level (MCL) of 0.010 mg/L.

Exhibit 4. 2024 Groundwater Results Greater Than WAC 173-200 Criteria

Parameter	Event	Ground-water Criteria	MW-1A	MW-2A	MW-3	MW-4	MW-5A	MW-6	MW-7
Arsenic, Total	Q1	0.00005	0.02	**	**	0.011	0.0060	0.0079	0.0056
	Q2		**	**	**	0.013	0.0053	0.0076	0.0057
	Q3		**	**	**	**	**	0.0071	0.0051
	Q4		**	**	**	0.017	**	0.0076	0.0058
Iron, Dissolved	Q1	0.30	1.1	0.86	*	*	*	*	*
	Q2		0.15	0.65	*	*	*	*	*
	Q3		*	0.71	*	*	*	*	*
	Q4		*	0.94	*	*	*	*	*
Manganese, Dissolved	Q1	0.05	0.19	0.29	0.39	0.16	0.17	0.23	0.22
	Q2		0.089	0.29	0.37	0.12	0.19	0.28	0.23
	Q3		0.19	0.28	0.26	0.074	0.12	0.19	0.28
	Q4		0.031	0.34	0.29	*	0.17	0.28	0.26

Notes:
* = concentration less than WAC 173-200 criterion
** = analyte not detected at or above the MRL, but MRL is greater than the WAC 173-200-040 Groundwater Criteria
Bold value = exceeds the site-specific prediction limit in addition to the WAC 173-200-040 GW Quality Criteria

Time-trend plots for inorganic parameters, total and dissolved metal concentrations at the monitoring wells are included in Appendix B. The following four plots are included for each monitoring well:

- Plot 1 — nitrate, ammonia, chloride, TOC
- Plot 2 — alkalinity, sulfate, TDS
- Plot 3 — calcium, magnesium, sodium, potassium
- Plot 4 — iron, manganese, zinc, arsenic

Chloride and nitrate concentrations remain higher at upgradient well MW-10 compared to downgradient water quality. The pH values at MW-10 were below the WAC 173-200 criterion of 6.5 during each quarter in 2024, and the pH values at upgradient well MW-9 were below the WAC 173-200 criterion of 6.5 during the second quarter monitoring event. Since MW-9 and MW-10 are upgradient of the landfill, these values are interpreted to reflect background water quality conditions.

As shown on the referenced time-trend plots, downgradient dissolved metal and inorganic parameter concentrations during 2024 were consistent with previously measured values, except as noted below.

Low-level detections of ammonia (ranging between 0.10 and 0.28 mg/L) were reported at downgradient wells MW-1A, MW-2A, MW-3, MW-4, MW-5A, MW-6, and MW-7. These low-level ammonia detections appear to be consistent with historical data.

A geochemical evaluation of Appendix II parameters was conducted quarterly at each well. This evaluation includes an examination of the cation/anion balance and the plotting of major ions on trilinear diagrams. Trilinear plots of major cations and anions are included in Appendix D. These plots demonstrate the inherent water quality difference between groundwater from the monitoring wells and LDCS system, versus leachate (see Appendix D).

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). A threshold of ten percent difference is used if the total cation-anion sums are less than 5.0 meq/L, and a threshold of five percent difference is used if the total cation-anion sums are greater than or equal to 5.0 meq/L. During 2024, cation-anion balance evaluations exceeded the appropriate threshold at background monitoring well MW-10 during the third and fourth quarters. In addition, cation-anion balance thresholds were exceeded at downgradient monitoring wells MW-2A (third, fourth quarter), MW-3A (fourth quarter) MW-4 (fourth quarter), MW-5 (second, third and fourth quarter), MW-6 (second and fourth quarter) and MW-7 (fourth quarter). These latter balances may reflect the presence of ions outside the parameter suite being analyzed, possible errors associated with analytical limitations in the measurements or may be due to background water quality conditions (see summary tables in Appendix B).

The following statistics were performed using background groundwater quality data:

- The background mean
- The background variance
- The standard deviation of the background data
- The coefficient of variation of the background data
- The standard error of the background data

The statistical method accounted for data below the limit of detection by using a simple substitution of one-half the value of the method reporting limit. The groundwater data tables used for statistical analyses, including prediction limits, are included in Appendix E.

No VOCs were reported in groundwater samples collected from the monitoring wells in 2024.

6.3 MONITORING WELL CONSTRUCTION/MAINTENANCE

No significant well construction or well maintenance activities occurred in 2024.

7.0 STORMWATER MONITORING

Stormwater monitoring was performed weekly, monthly, and quarterly in accordance with the National Pollution Discharge Elimination System (NPDES) Industrial Stormwater General Permit (ISGP Permit No. WAR002557) and the NPDES Construction Stormwater General Permit (CSWGP Permit No. WAR002603).

Weekly monitoring per the CSWGP consisted of visual site inspections and stormwater sampling for turbidity. Monthly monitoring included visual site inspections. Quarterly monitoring per the ISGP consisted of visual site inspections and stormwater sampling for field parameters of turbidity and pH, and laboratory analyses of ammonia, biological oxygen demand (BOD), copper (total), zinc (total), total suspended solids (TSS), total petroleum hydrocarbons (TPH) as oil and grease (visual inspection), and semi-volatile organic compounds (SVOCs) including benzoic acid, alpha-terpineol, p-Cresol (4-methylphenol), and phenol. Samples for laboratory testing were submitted to Eurofins TestAmerica of Fife, Washington.

Construction stormwater and industrial stormwater were treated using Chitosan enhanced sand filtration (CESF) systems in 2024. The construction stormwater treatment system is located near the southwest corner of the future landfill footprint area. Treated construction stormwater is discharged into the concrete stormwater channel that conveys stormwater to the site's detention pond. The industrial stormwater treatment system is situated on the east side of the stormwater detention pond. Treated industrial stormwater is discharged through the outlet piping at the detention pond.

No stormwater benchmarks or water quality effluent limits were exceeded in 2024. Copies of the 2024 Discharge Monitoring Reports (DMRs) for the construction and industrial permits are included in Appendix G.

8.0 LANDFILL GAS MONITORING

8.1 GAS PROBE MONITORING

The landfill gas monitoring network consists of thirteen gas probes installed adjacent to the landfill within the perimeter berm (performance gas probes GP-1, GP-2, GP-3, GP-4, GP-9, GP-10, GP-10P, GP-11, GP-12, GP-13, GP-14, GP-15 and GP-16) and five soil probes that were installed in September of 2022 within native soils closer to the facility property boundary (compliance gas probes GP-17, GP-18, GP-19, GP-20, and GP-21).

Gas probe monitoring was conducted monthly during 2024 using a Landtec GEM 2000/5000 or Elkins Earthworks Envision.

Methane was not measured above the lower explosive limit of 5 percent methane by volume at performance gas probes, GP-2, GP-3, GP-4, GP-9, GP-11, GP-13, GP-14, GP-15 and GP-16. Concentrations of methane greater than 5 percent by volume were recorded at least once at performance probes GP-1, GP-10A, GP-10B, and GP-12. Methane was not measured at detectable levels in any of the five compliance probes in 2024. Table H-1 in Appendix H provides a summary of landfill gas monitoring results for 2024.

The performance gas probes are designed to allow for the early detection of landfill gas before subsurface migration to the property line (point of compliance) could occur. On May 4, 2023, a barhole survey was performed for GP-1 and GP-10/10P that exhibited methane concentrations greater than 5.0%. The locations selected were immediately adjacent to the perimeter berm located within native soils. Barhole samples were taken approximately every 50-feet in either direction parallel to the perimeter berm near these performance probes. No methane was detected in any barhole reading within the native soils. These results were consistent with previous barhole monitoring surveys conducted for GP-2 and GP-12 which have shown that the methane levels reported above in the performance probes do not result in the migration of landfill gas to the property line.

8.2 ON-SITE BUILDING MONITORING

On-site buildings were monitored once per quarter in 2024. Measurements were obtained using a GasTech or Photovac MicroFID (FID). No significant levels of methane were reported at any of the buildings in 2024. For more details regarding the on-site building monitoring see Appendix H.

8.3 LANDFILL GAS EXTRACTION WELL CONSTRUCTION

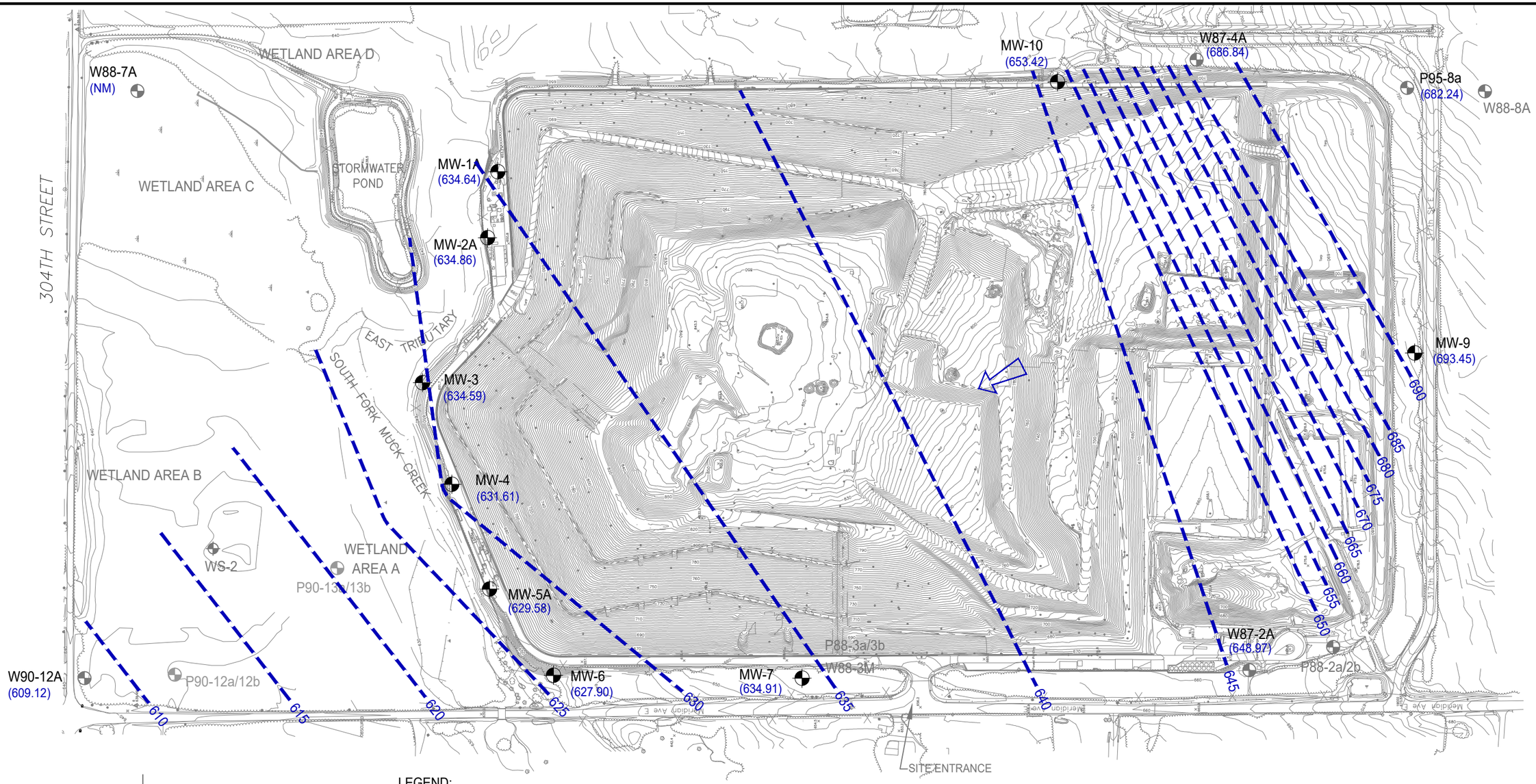
Thirty seven (37) new landfill gas extraction wells were installed in two phases at the LRI Landfill in 2024. Copies of the three Gas Extraction Well Installation Reports that summarize the work are included in Appendix H.

9.0 FINANCIAL ASSURANCE COST ESTIMATES

Cost estimates for constructing the final closure over the refuse, as well as performing annual monitoring and maintenance are included in Appendix I. As required in Chapter 173-351-600(3)(a), the estimates are in current dollars for the total cost of hiring a third party to perform the work. Costs for post-closure monitoring and maintenance are based on the most expensive costs of post-closure care during the post-closure period. The closure and post-closure cost estimates are reviewed annually and updated as appropriate.

Appendix A

Water Level Data



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:

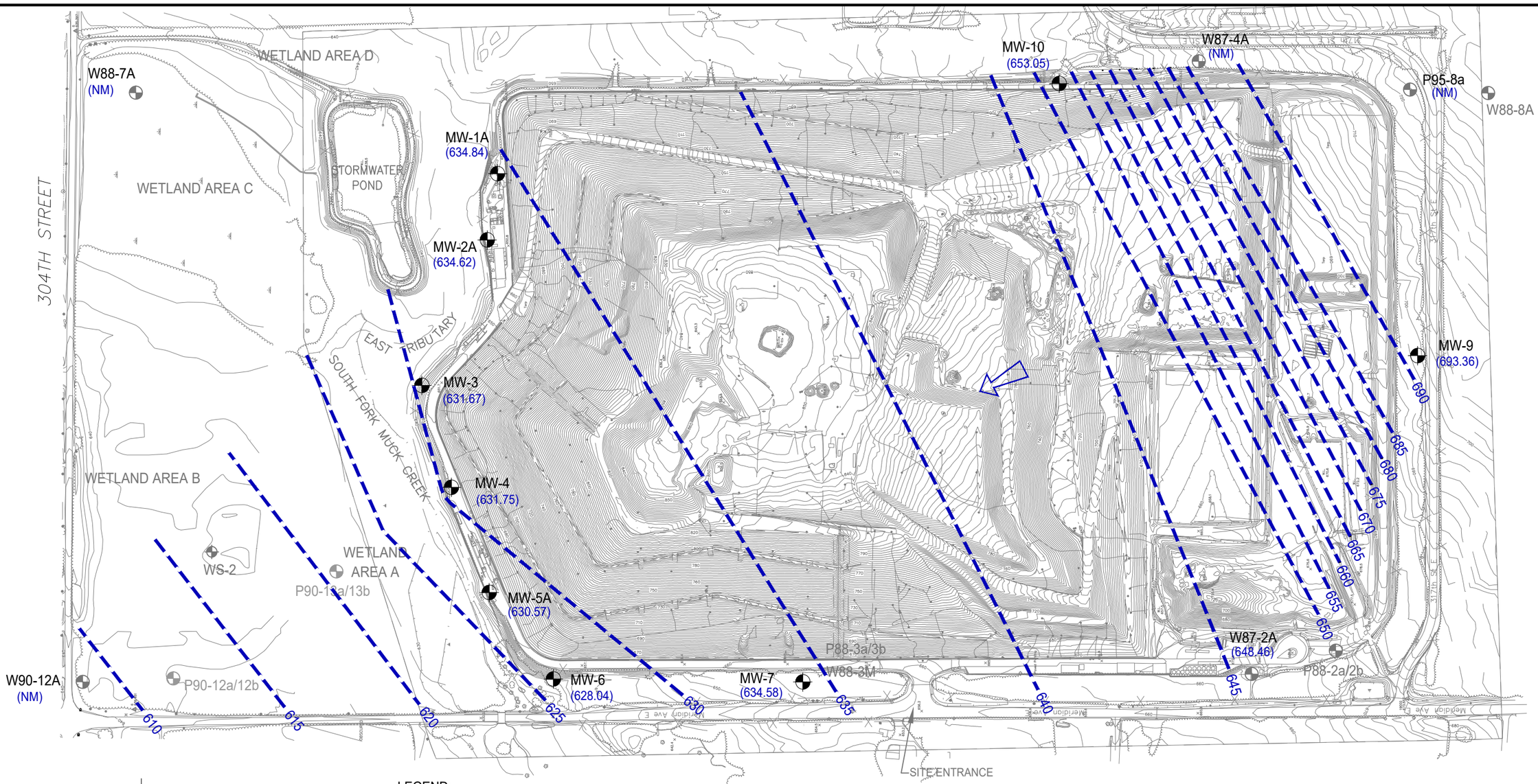
VERTICAL DATUM - BASED ON PIERCE COUNTY BENCH NO. 112-28, ELEVATION 660.29 NGVD29

0 400 800

SCALE (ft)

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

PROJECT NO. 04224001.02	DES BY AMD	POTENTIOMETRIC SURFACE CONTOUR MAP MARCH 19, 2024	DATE MAY 2024
SCALE AS SHOWN	CHK BY KGL	LRI LANDFILL 30919 MERIDIAN STREET E. GRAHAM, WASHINGTON	FIGURE 1
CAD FILE FIGURE 1	APP BY KGL		



LEGEND:

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

NOTES:

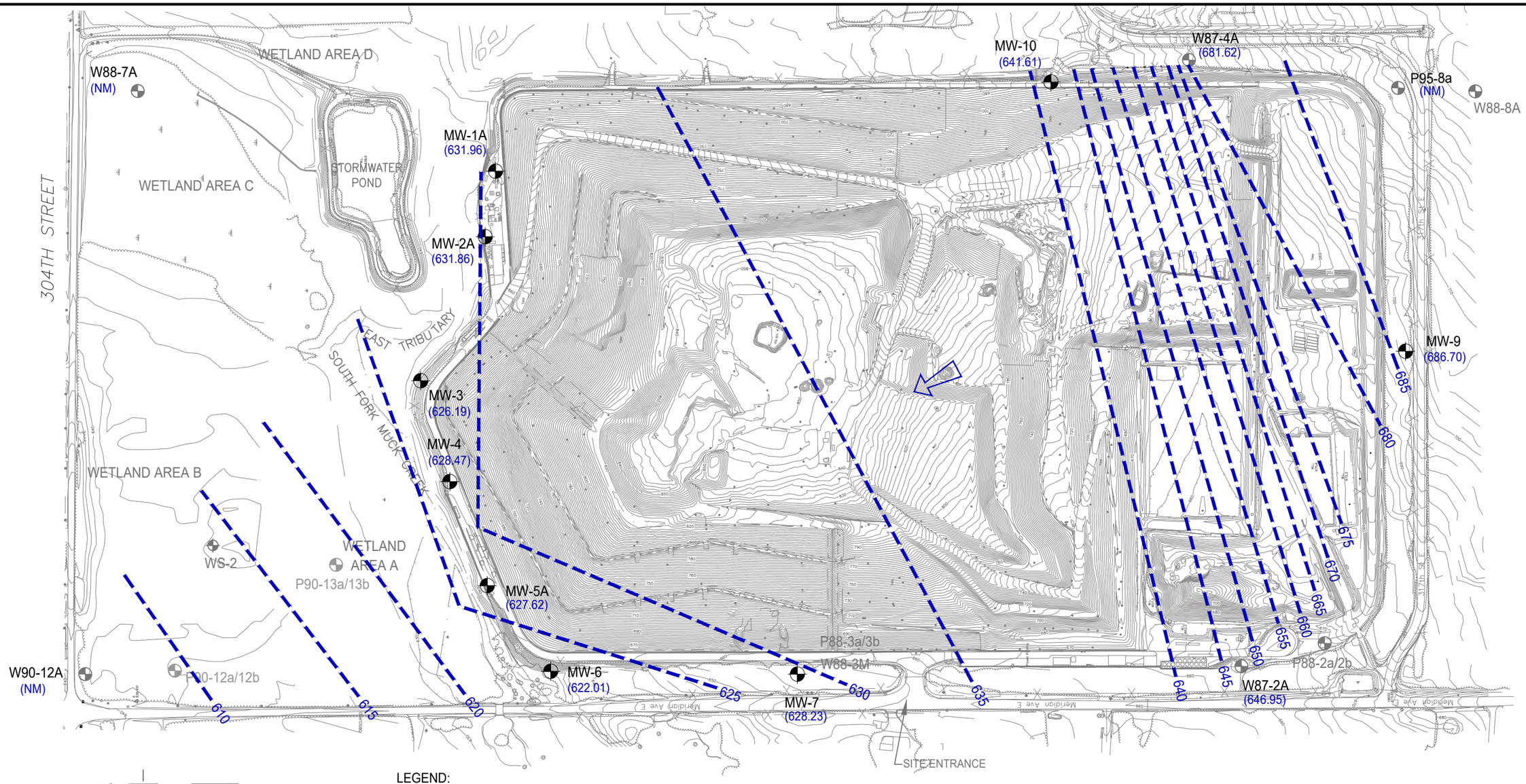
VERTICAL DATUM - BASED ON PIERCE COUNTY BENCH NO. 112-28, ELEVATION 660.29 NGVD29

0 400 800

SCALE (ft)

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

PROJECT NO. 04224001.02	DES BY J.E.	POTENTIOMETRIC SURFACE CONTOUR MAP JUNE 5, 2024	DATE SEPT 2024
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-1A	MONITORING WELL
W87-2A	CHARACTERIZATION WELL/ PIEZOMETER
(646.95)	GROUNDWATER ELEVATION (IN FEET ABOVE MSL)
	INFERRED GROUNDWATER FLOW DIRECTION
(NM)	NOT MEASURED

NOTES:

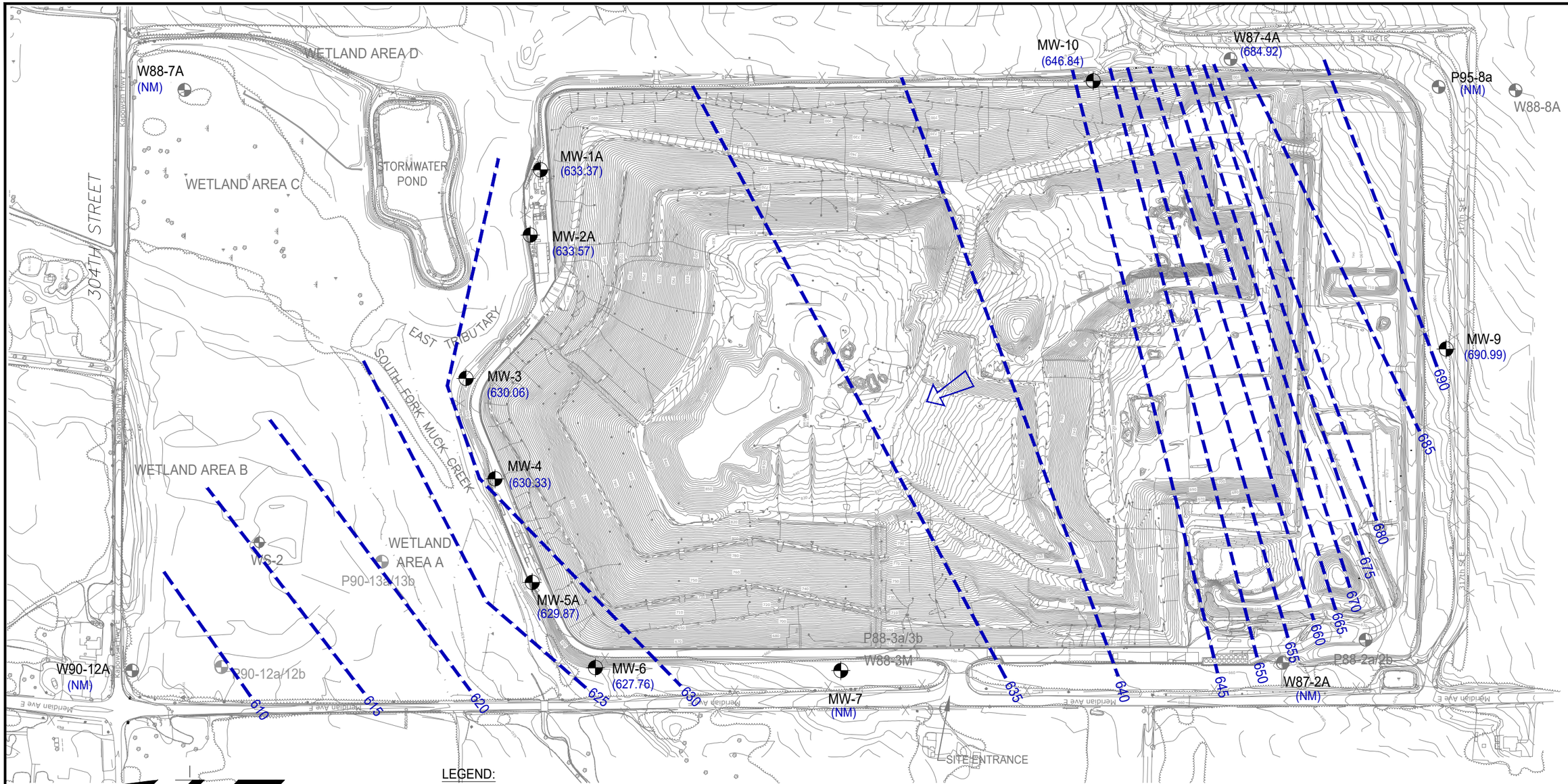
VERTICAL DATUM - BASED ON PIERCE COUNTY BENCH NO. 112-28, ELEVATION 660.29 NGVD29

0 400 800

SCALE (ft)

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

PROJECT NO. 04224001.02	DES BY J.E.	POTENTIOMETRIC SURFACE CONTOUR MAP SEPTEMBER 24, 2024	DATE DECEMBER 2024
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-1A	MONITORING WELL
W87-2A	CHARACTERIZATION WELL/ PIEZOMETER
(633.37)	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)

SCS ENGINEERS
Environmental Consultants and Contractors
2405 140th Avenue NE, Suite 107
Bellevue, Washington 98005
(425) 746-4600 FAX: (425) 746-6747

PROJECT NO. 04225001.02	DES BY J.E.	POTENTIOMETRIC SURFACE CONTOUR MAP DECEMBER 12, 2024	DATE APRIL 2025
SCALE AS SHOWN	CHK BY A.D.	LRI LANDFILL 30919 MERIDIAN STREET E. GRAHAM, WASHINGTON	FIGURE 1
CAD FILE FIGURE 1	APP BY G.H.		

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	WELL CASING ELEVATION	11/6/1987	7/13/1988	7/26/1988	9/8/1988	12/22/1988	1/17/1989	2/27/1989	3/21/1989	4/11/1989	5/19/1989	7/5/1989	8/21/1989	9/22/1989	10/19/1989	11/13/1989	12/4/1989	12/21/1989	1/29/1990
W87-1A	661.27	649.01	653.52	650.48	650.25	656.26	656.32	656.36	656.44	656.38	655.51	653.13	650.80	649.55	648.87	649.61	655.43	655.76	656.26
W87-2A	664.01	648.28	651.18	648.71	645.31		653.66	651.41	651.95	652.31	651.64	649.58	647.12	646.34	646.52	647.39	649.73	650.69	652.01
W88-3M	658.11						649.88		650.30	650.41	650.06	649.04	647.23	646.07	645.80	645.82	647.45	648.45	650.72
W87-4a	693.29	681.38	685.21	683.23	683.17		687.80	687.86	687.77	687.64	686.52	684.68	683.14	682.20	681.53	683.47	687.11		687.69
W88-5A	645.26						634.45	636.09	636.09	635.96	635.22	633.24	631.05	630.20	629.75	630.91	634.81	635.53	635.83
W88-6A	652.23							646.99	646.42	646.01	645.05	642.74	643.34	639.23	638.45	639.87	646.99	646.60	647.23
W88-7A	632.51							628.25	628.52	628.44	627.25	625.71		623.33	623.42	625.20	627.21	627.41	
W88-8M	721.05								684.20	684.28	683.42	682.49	681.68	681.26	681.17	681.85	682.86	683.05	683.98
W90-12A	640.84																		
W95-14A	680.49																		
MW-1	649.51																		
MW-1A	652.57																		
MW-2	639.25																		
MW-2A	651.93																		
MW-3	637.41																		
MW-4	652.37																		
MW-5	654.40																		
MW-5A	655.55																		
MW-6	635.71																		
MW-7	656.03	630.52	636.18	633.64	632.01	638.96	639.03	639.35	639.72	639.56	638.29	636.03	632.87	631.72	631.08	633.03	637.68	638.80	638.88
MW-9	701.77																		
MW-10	678.37																		
P88-1a	662.16					658.69	658.67	658.87	658.73	658.62	658.24	655.39	652.95	651.51	650.69	651.72	658.78	658.35	658.75
P88-1b	661.86					656.20	656.35	656.44	656.44	656.36	655.59	653.19	650.87	649.59	648.90	649.66	655.46	655.86	656.16
P88-2a	663.96						660.29	660.48	660.44	660.34	659.53	656.60	654.31	653.20	652.57	653.40	659.37	659.95	660.41
P88-2b	663.48						653.80	653.75	654.05	654.17	653.21	651.05	648.35	647.33	647.12	647.77	652.15	653.25	653.61
P88-3a	656.20					649.60	649.09	649.35	649.54	649.30	648.04	643.97	640.42	639.34	638.56	639.61	646.37	648.67	649.30
P88-3b	655.98					645.54	645.44	645.69	645.51	645.24	643.89	640.59	636.20	636.05	635.33	636.70	642.57	644.52	644.89
P87-4M	693.21	680.80	682.61	680.90	681.35		683.90	683.93	684.13	683.98	683.22	682.34	681.44	681.08	680.90	681.65	682.82	682.95	683.29
P88-5a	644.83						637.46	637.42	637.34	637.09	636.05	633.99	632.08	631.26	630.70	631.20	634.36	635.95	637.18
P88-5b	644.60						635.13	636.26	635.90	635.74	635.01	632.88	630.79	629.89	629.42	630.75	634.39	635.51	635.60
P95-8a	722.07																		
P88-9a	653.28							646.75	646.62	646.56	645.85	643.56	640.44	639.16	638.43	640.86	645.76	646.11	
P88-9b	652.79							641.52	641.53	641.47	640.58	638.47	635.76	634.66	634.00	634.98	639.88	640.88	641.30
P88-10a	665.70						661.33	661.68	661.60	661.45	660.00	657.45	654.46	652.77	651.59	652.13	659.04	660.27	661.42
P88-10b	665.48						655.58	655.66	655.70	655.73	654.82	652.65	649.87	648.49	647.77	648.25	653.73	654.77	654.99
P90-12a	640.79																		
P90-12b	640.73																		
P90-13a	645.19																		
P90-13b	643.63																		
P13-14A	665.96																		
GP-1P	652.00																		
GP-2P	656.61																		
GP-3P	658.51																		
GP-4P	662.01																		
GP-5P	653.59																		
GP-6P	652.39																		
GP-7P	658.12																		
GP-8P	659.18																		
GP-9P	674.03																		
GP-10	649.86																		
GP-14																			
GP-15																			
GP-16																			
WS-1	646.07	613.37	617.99		612.73				619.27	619.86	618.55	616.37	608.54	613.09	612.91	613.44	616.55	618.43	617.39
SG-1	632.79																		
SG-2	629.95																		
LDCS-1	657.26																		
LDCS-2A	659.24																		
LDCS-2B	661.70																		

Well MW-4 casing adjusted from 639.35 to approximately 643.05 in September 2005, to 652.37 in May 2006
Well MW-5 adjusted from 644.83 to 654.40 in August 2008
Well MW-10 casing adjusted from 673.87 to 678.37 in August 2019
Well W88-3M casing adjusted from 656.03 to 658.11 in September 2000
Well MW-6 was previously referred to as MW-11A
Well MW-7 was previously referred to as MW-3A
Well P13-14A was previously referred to as P13-14b

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	3/5/1990	4/17/1990	6/19/1990	9/24/1990	10/17/1990	11/19/1990	12/18/1990	1/25/1991	3/14/1991	5/2/1991	6/10/1991	7/11/1991	10/2/1991	10/23/1991	11/21/1991	12/13/1991	1/15/1992	3/25/1992	5/7/1992	6/25/1992
W87-1A	656.14	656.07	656.08	650.00	649.72	655.18	656.27	656.17	656.33	656.10	655.82	653.94	649.74	649.19	650.66	655.56	655.96	656.02	655.77	651.61
W87-2A	652.26	652.55	652.74	647.98	648.42	650.31	651.74	651.91	652.43	653.15	653.05	651.46	648.63	648.48	649.01	650.88	651.94	652.80	652.69	649.35
W88-3M	651.18	651.05	651.08	646.90	646.81	648.08	649.85	650.18	650.44	650.26	650.12	649.99	646.95	646.63	646.78	648.10	648.90	649.96	650.08	645.01
W87-4a	687.85	687.17	687.16	682.94	683.05	686.78	687.70	687.43	687.83	687.17	686.58	685.27	682.70		684.23	686.93	687.39	687.22	686.76	684.03
W88-5A	635.67	635.71	635.62	630.59	630.63	634.59	636.05	635.76	636.03	635.88	635.50	634.17	630.63		631.84	635.20	635.81	635.80	635.49	632.00
W88-6A	646.38	645.97	645.40	643.54	639.29	645.78	646.48	645.11	645.56	644.90	644.56	643.16	639.26		640.18	644.48	644.86	644.75	644.38	640.68
W88-7A	626.84	626.72		623.10	624.15	626.83	628.09	627.89		628.20	627.62	626.51	623.56		625.48	627.26	627.70	627.73	627.38	625.72
W88-8M	684.17	683.81	683.95	681.85	682.04	682.84	684.08	684.12	684.05	684.12	683.76	683.16	681.78		682.33	683.11	683.33	683.85	683.58	682.41
W90-12A					606.11	610.40	612.46	612.72	613.50	614.36	613.71	611.72	607.30		608.87	611.05	612.33	613.03	612.84	607.30
W95-14A																				
MW-1																				
MW-1A																				
MW-2																				
MW-2A																				
MW-3																				
MW-4																				
MW-5																				
MW-5A																				
MW-6					625.93	629.27	629.63	629.05	629.56	628.45	627.48	626.64	625.02		628.26	629.12	628.89	628.48	627.85	625.91
MW-7	639.03	639.23	639.16	632.12	631.13	637.87	639.92	639.03	640.00	639.61	638.98	637.23	632.27	631.85	634.62	638.34	639.18	639.54	639.21	634.34
MW-9																				
MW-10																				
P88-1a	658.41	658.45	658.27	651.73	651.32	658.76	658.86	658.49	658.91	658.54	658.17	656.22	651.37	650.60	653.93	658.49	658.65	658.55	658.02	653.81
P88-1b	656.18	656.12	656.12	650.06	649.96	655.17	656.30	656.18	656.40	656.12	655.84	653.94	649.72	649.19	650.67	655.56	655.98	656.01	655.79	651.65
P88-2a	660.19	659.84	660.18	654.10	653.40	659.51	660.47	660.26	660.22	660.44	659.98	658.31	653.99	653.46	654.98	659.49	660.33	660.29	659.88	655.75
P88-2b	653.85	653.90	654.07	648.27	648.38	652.16	653.87	653.84	654.37	654.40	654.07	652.42	648.48	648.13	649.05	652.93	653.80	654.18	653.99	650.04
P88-3a	649.03	649.20	648.99	639.84	639.52	646.95	649.66	649.20	649.77	649.41	648.66	646.02	639.73	639.13	641.39	647.69		649.34	648.65	642.02
P88-3b	644.77	644.95	644.87	636.54	636.39	643.06	645.62	645.05	645.65	645.34	644.64	642.39	636.61	636.12	638.44	643.80		645.37	644.84	638.68
P87-4M	683.95	683.61	683.78	681.52	681.90	682.59	683.63	683.87	683.63	683.69	683.48	682.85	681.54		682.18	683.01	683.23	683.63	683.51	682.07
P88-5a	636.82	634.54	634.86	631.67	631.49	634.21	637.39	636.85	636.32	637.24	636.74	635.26	631.84		632.08	637.99	637.26	637.17	636.76	633.37
P88-5b	635.39	635.35	635.23	630.21	630.21	634.35	635.75	635.42	635.87	635.49	635.08	633.72	630.23		631.64	634.90	635.47	635.42	635.02	631.67
P95-8a																				
P88-9a	646.47	646.56	646.53	639.84	639.65	645.97	646.74	646.66	646.92	646.73	646.43	644.94	639.75		641.34	646.12	646.65	646.65	645.38	642.34
P88-9b	641.25	641.29	641.24	635.15	635.05	639.87	641.36	641.38	641.77	641.49	641.10	639.58	635.20		635.99	640.50	641.30	641.37	641.10	637.02
P88-10a	660.96	660.40	660.93	653.25	652.46	659.18	661.31	661.10	661.66	661.43	660.66	658.88	652.90		653.13	659.54	661.00	661.04	660.65	656.02
P88-10b	655.60	655.39	655.48	649.02	648.67	653.60	655.45	655.48	655.66	655.66	655.26	653.84	648.89		649.25	654.43	655.30	655.48	655.28	651.28
P90-12a					636.03	638.60	638.72	638.47	638.15	638.39	637.84	636.53	634.20		638.28	638.43	638.45	638.21	637.48	635.41
P90-12b					634.03	637.13	637.36	636.99	636.60	637.02	636.62	635.23	632.58		636.51	636.94	637.02	636.79	636.21	633.78
P90-13a					632.30	639.60	640.40	639.94	640.84	640.11	639.21	637.34	632.84		633.36	639.61	640.14	639.77	639.37	635.00
P90-13b					632.23	639.42	640.31	639.74	640.50	639.85	638.91	637.11	632.65		633.73	639.40	639.91	639.56	639.11	634.78
P13-14A																				
GP-1P																				
GP-2P																				
GP-3P																				
GP-4P																				
GP-5P																				
GP-6P																				
GP-7P																				
GP-8P																				
GP-9P																				
GP-10																				
GP-14																				
GP-15																				
GP-16																				
WS-1	617.21	617.51	617.87	612.47	613.24	616.44	618.54	618.41	618.18	619.78	618.42									
SG-1								628.55	629.45	628.23	627.94	627.63	626.79		628.15	628.72	628.31	628.13		628.75
SG-2								626.21	626.76	626.12	625.95	625.72			626.38	626.59	626.32	626.19		625.33
LDCS-1																				
LDCS-2A																				
LDCS-2B																				

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	10/1/1992	10/29/1992	12/4/1992	1/15/1993	4/20/1993	6/2/1993	9/20/1993	11/3/1993	11/30/1993	1/25/1994	5/12/1994	6/21/1994	9/15/1994	10/21/1994	11/4/1994	12/13/1994	12/30/1994	1/30/1995	4/5/1995	5/24/1995
W87-1A	647.61	647.65	653.88	655.18	655.79	655.70	650.34	650.13	650.59	655.53	655.14	654.27	648.07	647.13	649.37	654.31	655.59	655.55	655.48	655.00
W87-2A	646.32	646.78	648.53	650.07	651.06	650.81	648.95	648.70	648.55	650.61	651.78	650.85	646.51	646.49	647.27	649.37	650.21	651.32	651.90	651.70
W88-3M	646.86	637.31	638.19	644.93	647.85		638.64	637.33	640.19	646.62	648.05	642.43	636.37	635.77	639.81	643.21	645.92	646.94	648.04	648.16
W87-4a	681.74	681.53	686.29	686.80	687.55	687.67	684.02	683.36	683.46	687.12	686.21	685.86	682.35	681.43	683.22	686.68	687.85	687.53	687.00	686.43
W88-5A	628.84	628.95	633.11	635.04	635.74	635.81	631.33	631.05	631.40	635.60	634.98	634.06	629.19	628.45	630.57	634.23	635.64	635.67	635.48	635.07
W88-6A	637.43	637.64	643.12	644.22	644.79	644.82	640.50	640.19	640.80	644.73	644.02	643.32	638.05	637.10	641.96	645.20	645.53	645.40	644.69	644.39
W88-7A	623.14	623.72	625.70	626.92	627.94	627.57	623.94	624.67	625.37	627.60	626.80	626.41	622.57	622.53	624.89		628.00	627.68	627.74	627.40
W88-8M	681.34	681.54	682.61	682.99	684.13	683.91	682.49	682.09	682.48	683.67	683.37	683.26	681.69	681.39	682.28	683.05	684.21	683.92	684.00	683.41
W90-12A	605.29	606.26	608.66	610.74	612.09	611.37	608.23	608.89	608.82	611.66	610.96	609.79	605.14	605.74	607.45	609.79	611.44	612.14	612.73	612.14
W95-14A																				
MW-1																				
MW-1A																				
MW-2																				
MW-2A																				
MW-3																				
MW-4																				
MW-5																				
MW-5A																				
MW-6	625.27	625.66	629.01	628.20	629.29	629.53	625.99	626.13	626.73	629.31	627.32	627.30	625.47	625.29	628.39	629.73	629.53	629.46	628.27	
MW-7	630.50	630.56	636.34	638.24	639.64	639.43	634.12	633.33	632.55	639.44	638.47	637.64	631.14	630.30	633.25	637.35	639.50	639.44	639.49	638.66
MW-9																				
MW-10																				
P88-1a	649.59	649.28	658.49	657.94	658.74	658.86	653.95	653.21	653.79	658.74	657.94	657.73	650.95	649.65	651.80	658.80	658.72	658.81	658.48	657.69
P88-1b	647.66	647.63	653.93	655.27	655.82	655.80	650.43	650.22	650.67	655.61	655.21	654.35	648.17	647.20	649.42	654.36	655.61	655.63	655.56	655.00
P88-2a	652.67	652.50	658.72	659.59	660.19			655.05	654.93	660.18	659.65	659.18	653.40	652.60	653.57	658.67	660.13	660.36	660.22	659.31
P88-2b	646.76	646.90	650.97	652.80	653.14			651.39	650.07	653.34	653.53	652.63	647.41	646.86	647.71	651.40	653.22	653.57	653.75	653.32
P88-3a	637.93	637.54	644.80	648.18	649.52	649.40		640.88	640.59	649.33	648.12	646.89	638.99	637.79	639.69	645.56	649.40	649.48	649.33	648.05
P88-3b	634.89	634.68	641.26	644.24	645.51	645.44		637.81	637.34	645.37	644.31	643.09	635.82	634.76	637.02	642.18	645.45	645.51	645.38	644.31
P87-4M	681.12	681.03	682.51	682.93	683.89	683.77	682.27	682.04	682.29	683.60	683.16	683.12	681.56	681.14	682.06	682.52	683.98	683.79	683.80	683.23
P88-5a	630.91	630.64	633.36	636.57	637.72	637.83	633.45	632.83	632.93	637.50	636.67	636.41	631.93	631.12	631.58	634.13	637.66	637.65	637.33	636.72
P88-5b	629.05	629.10	633.45	634.87	635.52	635.65	631.59	631.39	631.83	635.44	634.64	634.29	629.61	628.90	630.80	634.34	635.50	635.54	635.23	634.67
P95-8a																				
P88-9a	638.18	637.99	645.10	646.08	646.59	646.56	642.22	641.12	641.08	646.57		645.51	639.02	638.06	641.47	645.57	646.66	646.61	646.48	646.06
P88-9b	633.28	633.24	638.35	640.53	641.19	641.14	636.66	636.01	636.00	641.02		639.63	633.87	632.95	635.01	639.21	641.01	641.07	640.99	640.54
P88-10a	651.03	650.70	658.42	660.32	661.38	661.20	655.86	653.96	653.61	661.05	660.51	659.40	652.55	651.14	652.50	658.88	660.97	661.22	661.20	660.26
P88-10b	646.93	646.87	652.62	654.66	655.16	655.01	651.03	649.98	649.95	655.15	654.96	654.04	647.91	646.93	648.25	653.25	655.02	655.17	655.28	654.82
P90-12a	634.96	635.84	638.40	637.54	638.48	638.61	635.43	636.10	637.48	638.61	637.09	637.88	635.61	632.85	638.21	638.57	637.89	638.60	637.76	637.01
P90-12b	633.09	634.00	636.87	636.05	637.04	637.16	634.00	634.59	635.63	637.25	635.77	636.54	633.67	632.90	636.44	637.10	637.01	637.22	636.45	635.82
P90-13a	631.51	631.03	639.31	639.03	640.62	640.79	635.07	633.63	633.38	640.17	638.94	638.55	632.79	631.78	634.25	640.01	640.37	640.32	639.78	638.94
P90-13b	631.29	630.62	639.11	638.85	640.37	640.55	634.92	633.50	633.32	640.01	638.73	638.42	632.65	631.30	634.13	639.77	640.13	640.10	639.57	638.75
P13-14A																				
GP-1P																				
GP-2P																				
GP-3P																				
GP-4P																				
GP-5P																				
GP-6P																				
GP-7P																				
GP-8P																				
GP-9P																				
GP-10																				
GP-14																				
GP-15																				
GP-16																				
WS-1							614.40													
SG-1		628.97	629.25	629.20	629.50	630.34	629.50	628.75	628.65	629.25	628.49		628.21	628.19	628.61	632.11	631.18	629.67		
SG-2		625.53	626.53	626.08	626.78	628.13	625.28	625.63	625.88	626.78	625.81	625.86	625.25	625.41	626.43	629.45	627.93	627.01	626.22	626.01
LDCS-1																				
LDCS-2A																				
LDCS-2B																				

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	7/17/1995	7/18/1995	7/21/1995	7/24/1995	7/27/1995	10/11/1995	11/10/1995	12/13/1995	1/19/1996	4/26/1996	9/19/1996	10/18/1996	11/1/1996	12/13/1996	2/3/1997	3/24/1997	5/29/1997	6/9/1997	7/3/1997	8/27/1997
W87-1A		650.85	650.41		650.06	647.75	651.79	655.47	655.85	655.85	647.85	648.57	651.77	655.53	655.82	655.85	655.05	655.61	655.05	650.81
W87-2A			647.70			646.58	648.03	650.73	651.60	652.30	646.69	647.34	648.37	651.15	651.93	652.25	651.74		651.65	648.24
W88-3M			639.44			635.91	641.23	645.59	646.93	647.88	636.29	640.38	642.44	646.30	647.52	647.97	647.97	648.04	647.93	645.71
W87-4a		684.09	683.86			682.51	684.59	687.64	687.85	687.90	682.68		684.76	687.68	687.84	687.73	686.51		686.31	683.76
W88-5A			631.45			629.20	632.03	635.61	635.83	636.04	629.21	630.29	632.48	635.60	635.96	635.92	635.21			631.70
W88-6A			640.18			637.58	642.89	645.09	645.42	645.70	638.22	639.41	643.40	645.79	645.90	645.97	645.22		644.96	641.19
W88-7A					623.48	623.80	625.89	628.02	628.51	628.82	623.72	622.28	626.64	628.43	629.04	628.94	627.18		627.26	622.92
W88-8M		681.45	681.42			682.08	682.68	684.35	684.53	684.47	681.81	682.32	682.67	684.11	684.26	684.57	683.50		683.68	680.84
W90-12A			605.72			605.99	608.93	611.94	613.24	614.09	606.96	608.86	610.14	613.01	614.09	614.56	608.62	605.14	609.00	601.54
W95-14A			677.55	677.77	678.01	677.19	678.65			680.49	677.53	677.50	678.45	680.67	681.12		680.79		679.84	677.58
MW-1																				
MW-1A																				
MW-2																				
MW-2A																				
MW-3																				
MW-4																				
MW-5																				
MW-5A																				
MW-6			626.13			626.61	628.87	629.65	629.68	629.75	625.41	626.79	628.66	629.73	629.62	629.37	627.50	628.83	627.52	625.91
MW-7			634.07			631.34	635.77	639.82	640.18	640.15	631.36	632.34	635.76	640.13	640.27	640.21	639.12	640.04	638.85	634.08
MW-9	690.67		690.79	690.65	690.37	689.68	690.66	692.91	693.55	694.04	690.05	690.39	691.19	693.36	694.05	694.38	693.81		693.69	691.38
MW-10	657.97	657.97	657.75		657.20	655.36	657.43	660.89	661.76	662.04	655.38	655.78	657.75	661.19	662.18	662.27	661.71	661.95	661.71	659.02
P88-1a		654.06	653.70		653.27	650.59	657.05	658.58	658.69	658.85	650.26	650.41	657.45	658.62	658.92	658.69	658.36	658.55	658.03	656.27
P88-1b		650.94	650.50		650.16	647.82	651.79	655.51	655.89	655.88	647.94	648.57	651.84	653.20	655.88	656.40	655.13	655.66	655.08	650.91
P88-2a			655.43			652.82	655.78	660.00	660.50	660.38	653.26	653.01	656.73	660.20	660.50	660.42	659.54		659.38	655.23
P88-2b			649.10			647.07	649.08	653.36	653.96	654.19	647.34	647.61	649.47	653.66	654.11	654.24	653.38		653.31	649.36
P88-3a			641.74			638.21	642.30	649.28	649.76	649.72	638.81	638.69	642.47	649.44	649.84	649.71	648.35	649.41	648.15	641.45
P88-3b			638.66			635.39	639.37	645.51	645.98	645.87	635.78	636.04	639.53	645.72	646.00	645.89	644.57	645.61	644.37	638.48
P87-4M		681.49	681.23			681.89	682.28	684.28	684.21	684.37	681.63	681.83	682.69	683.87	684.11	684.50	683.35		683.44	680.75
P88-5a			633.74			631.62	632.67	637.44	637.66	638.11	632.05	631.87	632.92	637.48	636.01	635.86	635.24			631.62
P88-5b			631.70			629.75	632.23	635.47	635.65	635.80	629.72	630.32	632.51	635.62	637.82	637.65	636.75			633.31
P95-8a		697.86	697.63	697.55	697.58	697.29	697.29	700.89	702.18	700.84	697.51	697.64	697.48	701.39	702.52	702.53	722.07		700.13	698.57
P88-9a			642.21			638.69	646.35	646.64	646.84	646.82	638.95	639.13	643.58	646.74	646.87	646.80	646.21		646.07	642.02
P88-9b			636.40			633.52	636.60	640.99	641.24	641.33	633.74	634.32	637.15	641.13	641.34	641.36	640.59		640.46	636.55
P88-10a		656.20	655.86		655.33	651.55	655.66	660.99	661.40	661.39	652.42	651.75	655.76	660.88	661.38	661.33	660.14		660.19	655.84
P88-10b		651.08	650.72		650.21	647.29	650.17	655.21	655.54	655.50	647.73	647.68	650.53	655.24	655.55	655.62	654.78		654.69	650.71
P90-12a			635.95			637.46	638.20	638.68	638.68	638.47	635.80	637.29	637.94	638.59	638.39	638.10	638.29	637.67	637.65	636.69
P90-12b			634.35			635.24	636.71	637.28	637.33	637.27	634.02	635.44	636.61	637.31	637.24	636.98	636.69	636.44	636.40	634.66
P90-13a			635.06			632.11	636.97	640.24	640.56	640.96	632.89	632.51	637.91	640.20	640.79	640.44	638.98	640.41	639.48	635.15
P90-13b			635.21			632.06	636.72	640.05	640.36	640.71	632.80	632.46	637.75	639.95	640.60	640.23	638.91	640.17	639.29	634.94
P13-14A																				
GP-1P																				
GP-2P																				
GP-3P																				
GP-4P																				
GP-5P																				
GP-6P																				
GP-7P																				
GP-8P																				
GP-9P																				
GP-10																				
GP-14																				
GP-15																				
GP-16																				
WS-1																				
SG-1																	629.63		629.45	629.09
SG-2																	628.65	626.77	626.30	625.15
LDCS-1																				
LDCS-2A																				
LDCS-2B																				

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	10/13/1997	11/11/1997	1/8/1998	4/16/1998	6/19/1998	9/9/1998	10/28/1998	12/7/1998	1/28/1999	2/24/1999	3/30/1999	4/26/1999	5/26/1999	6/28/1999	7/29/1999	7/30/1999	8/6/1999	10/13/1999	11/1/1999	12/3/1999
W87-1A	651.02	654.45	655.66	655.50	653.90	647.40	646.89	653.58	655.44	655.48	655.48	655.12	655.00		651.14	651.07	650.60	647.14	648.67	654.42
W87-2A	648.89	650.46	651.50	652.27	651.38	645.83	646.19	648.80	651.28	651.79	652.01	651.68	651.56	650.23					646.83	
W88-3M	639.76	645.01	647.49	648.04		635.33	638.16	642.91	646.78	647.43	647.67	647.67	647.64	643.60			639.74			
W87-4a	684.06	685.51	687.73	687.04	685.86	682.67	681.95	687.02	687.87	687.63	687.62	686.63	686.67	685.31					682.06	
W88-5A	631.83	634.72	635.70	635.53	633.84	628.86	628.94	634.38	635.88	635.77	635.75	635.34	635.30	634.11	632.56	632.48	632.75	630.23	631.09	634.02
W88-6A	642.14	645.10	645.92	645.25	643.95	636.43	638.17	644.43	645.56	645.48	645.46	644.96	644.88	643.71	642.26	642.23		Decommissioned 7/30/99		
W88-7A	624.94	627.20	627.37	627.70	626.10	621.64	624.21	627.18	628.57	628.09	628.15	627.74	627.59	625.70	623.40	623.36				
W88-8M	682.65	683.41	684.16	684.03	683.30	681.44	681.57	683.37	684.30	684.10	684.18	683.45	683.41	682.70					681.75	
W90-12A	607.28	609.33	608.31	610.87	608.04	601.13	604.54	608.23	610.49	610.22	610.82	610.67	608.81	605.66			604.88			
W95-14A	678.60	680.29	680.49	680.49	680.49	677.20	676.81	679.72	680.49	680.49	680.49	680.49	680.41	679.46					676.85	
MW-1									636.11	636.48	636.35	636.12	636.03	635.12	633.41	633.33	634.44	632.15	632.89	635.12
MW-1A																				
MW-2									637.44	638.15	638.01	637.23	636.28	635.19	633.40	633.33	634.08			636.12
MW-2A																				
MW-3									633.75	634.02	633.45	633.02	632.89	631.81	630.16	630.04	630.01	627.95	628.70	631.46
MW-4									633.90	633.86	633.90	633.24	633.17	632.00			630.08	626.72	627.78	632.00
MW-5																				
MW-5A																				
MW-6	627.56	628.91	629.62	628.53	627.07	624.92	625.49	629.16	629.78	629.45	629.51	628.06	628.24	627.14			625.95	624.98	625.93	629.26
MW-7	634.99	638.54	640.47	640.11	638.15	630.72	630.36	638.56	640.47	640.46	640.61	639.80	639.65	637.46			633.84		630.97	637.40
MW-9	691.47	692.48	693.71	694.16	693.55	690.23	689.55	691.92	693.37	693.61	693.80	693.39	693.35	692.41					689.32	
MW-10	657.94	660.15	661.73	662.20	660.17		654.52	658.76	660.99	661.53	661.86	661.68	661.64	659.99					658.21	
P88-1a	654.37	658.66	658.87	658.58	657.52	650.55	648.81	658.59	658.93	658.82	658.78	658.39	658.20				654.43	651.64	652.36	658.21
P88-1b	651.11	657.54	655.67	655.52	653.96	647.41	646.91	653.64	655.48	655.50	655.51	655.13	655.04				650.45	647.73	648.47	654.22
P88-2a	655.05	658.72	660.42	660.24	659.02	653.17	652.12	658.94	660.42	660.55	660.46	660.14	659.75	657.93					652.04	
P88-2b	649.65	652.45	653.91	654.13	653.09	646.82	645.44	650.92	653.79	654.01	654.10	653.69	653.51	651.65					646.57	
P88-3a	642.03	645.78	649.81	649.37	647.37	638.90	637.33	646.52	649.94	649.87	649.84	649.28	648.79	645.47			641.18		637.53	646.15
P88-3b	638.96	642.68	646.02	645.58	643.63	635.52	634.42	643.17	646.07	646.06	646.06	645.00	645.05	642.18			638.21		634.86	642.62
P87-4M	682.52	683.25	683.97	683.78	683.16	681.14	681.35	683.13	684.05	683.91	683.95	683.36	683.19	682.58					681.51	
P88-5a	633.24	635.81	637.93	637.49	636.27	632.12	631.20	634.21	638.06	637.76	637.75	637.25	637.28	636.76	635.37	635.36		Decommissioned 7/30/99		
P88-5b	632.15	634.57	635.55	635.20	634.10	629.41	629.08	634.31	635.56	635.43	635.37	634.95	634.90	634.19	632.62	632.60		Decommissioned 7/30/99		
P95-8a	697.72	698.73	700.25	700.74	699.30	697.33	696.86	697.95	702.21	702.06	701.25	700.19	699.91	722.07					697.05	
P88-9a	641.88	645.85	646.84	646.50	645.50	639.11	637.98	645.70	646.75	646.75	646.74	646.35	646.31	645.20	642.94	642.86	642.78	639.46		645.03
P88-9b	636.65	640.03	641.26	641.00	639.60	633.50	632.94	639.43	641.21	641.22	641.22	640.75	640.75	639.54	637.26	637.36	637.74	633.99		637.86
P88-10a	654.97	659.85	661.39	661.07	659.71	652.94	651.02	658.79	661.11	661.50	661.40	661.01	660.67	658.27					651.10	
P88-10b	650.45	654.09	655.45	655.36	654.26	647.53	646.35	652.95	655.33	655.44	655.45	655.10	654.97	653.18					646.88	
P90-12a	638.11	638.21	638.53	638.50	638.43	637.23	637.88	638.51	638.61	638.62	638.59	638.57	638.56	638.63			636.07			
P90-12b	636.58	636.87	637.02	636.99	636.70	634.99	636.03	636.98	637.26	637.20	637.16	637.08	636.99	636.82			634.29			
P90-13a	636.92	640.22	640.75	639.91	638.37	633.04	631.61	639.63	640.86	640.61	640.24	639.38	639.64	637.57			635.32			
P90-13b	636.75	639.68	640.49	638.66	638.15	632.85	631.43	639.40	640.60	640.38	640.00	639.18	639.40	637.40			635.09			
P13-14A																				
GP-1P																				
GP-2P																				
GP-3P																				
GP-4P																				
GP-5P																				
GP-6P																				
GP-7P																				
GP-8P																				
GP-9P																				
GP-10																				
GP-14																				
GP-15																				
GP-16																				
WS-1																		602.10		
SG-1	629.86	630.04	630.79	629.88	630.33	628.52	630.24	629.82	631.55	630.69	630.56	630.46	630.06	629.97			629.95			
SG-2	626.03	626.80	627.67	626.63	625.90		625.23	627.20	628.18	626.94	626.76	626.14	626.11	625.80			625.20			
LDCS-1																				
LDCS-2A																				
LDCS-2B																				

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	3/29/2000	5/8/2000	6/14/2000	9/25/2000	10/19/2000	11/2/2000	12/14/2000	3/16/2001	4/11/2001	6/22/2001	9/21/2001	12/10/2001	3/28/2002	6/17/2002	9/24/2002	12/31/2002	3/17/2003	3/25/2003	6/24/2003	9/16/2003
W87-1A	655.35	655.35	654.32	648.65	649.10	650.32	653.45	654.27	654.61	653.14	648.69	653.74	654.46	Decommissioned 4/17/02						
W87-2A	651.56	649.56	650.76	646.23		646.73	647.61	645.76	645.43	641.60	640.28	645.34	648.25	643.90	640.46	640.38		642.44	640.36	638.33
W88-3M					640.56	641.43	644.71	648.10	648.50	642.31	636.43	641.98	645.03	640.56	635.39	641.26		645.39		634.43
W87-4a	687.54	687.37	686.91	682.57		682.89	684.46	686.86	687.97	685.39	682.94	687.57	687.56	685.49	682.09	683.75		687.61	683.49	681.08
W88-5A	634.36	634.50	633.73	630.74	632.89	632.64	633.76	632.49	632.71	631.21	628.75	632.08	632.67	631.58	628.76	632.06		633.56	631.55	628.61
W88-6A																				
W88-7A			626.45	623.31	624.06	623.85	626.04	618.04	618.16	617.26	616.01	620.05	621.94	620.96	617.59	620.89		623.48	621.18	616.90
W88-8M	684.18	683.92	683.57	681.82		681.94	682.65	683.45	684.14	682.16	681.62	683.74	684.34	683.12	681.12	682.50		683.94	682.42	680.68
W90-12A	610.84	611.39	610.81	605.31	605.84	606.71	608.14	598.04	596.58	593.64	589.90	593.97	597.94	597.79	593.61	596.69		600.87	599.19	594.34
W95-14A	680.49	680.49	680.49	677.21		677.39	678.99	679.51	679.74	679.39	676.47	679.76	680.49	679.39	676.05	677.93		679.88	678.36	675.44
MW-1	635.36	635.66	633.95	631.89	632.71	632.86	635.16	632.72	632.96	631.71		Decommissioned 6/28/01								
MW-1A											631.11	634.62	634.71	633.96	631.18	634.11		635.58	633.51	630.85
MW-2	636.67	636.75	635.48										Decommissioned 4/17/02							
MW-2A														633.17	630.89	633.58		635.14	633.24	630.64
MW-3	632.39	632.46	630.91	628.49	629.96	630.41	631.50	629.84	630.00	628.11	625.13	629.26	630.03	628.99	625.56	629.28		630.99	628.71	625.18
MW-4	634.60	632.77	632.36	628.54	629.71	630.31	631.93	629.37	629.46	627.85	624.91	629.24	630.10	629.10	625.52	629.40		631.25	628.96	625.12
MW-5					632.91	633.31	634.03	631.46	632.21	630.46	627.12	632.23	631.81	631.32	627.73	631.67		633.51	630.89	627.11
MW-5A																				
MW-6	629.16	629.46	629.36	625.65	628.53	628.66		628.84	629.77	627.11	625.05	629.14	628.90	626.48	623.74	628.76		629.14	626.11	623.17
MW-7	638.18	638.33	637.44	631.79	632.52	633.51	636.13	632.37	632.56	630.43	625.12	631.61	633.19	631.65	626.89	631.30		635.12	631.78	627.13
MW-9	693.62	695.67	693.21	689.59		689.90	690.96	691.26	691.72	691.17	688.27	691.08	692.82	691.62	688.14	690.78		691.72	689.53	687.66
MW-10	660.67	661.77	660.96	655.97	656.02	657.04	659.37	661.26	661.47	660.08	656.30	659.52	661.57	659.75	655.07	658.10		660.75	658.12	653.47
P88-1a	658.81	659.16	658.65	654.37	655.51	656.91	659.04	659.95	660.28	659.25	654.70	660.05	660.27	Decommissioned 4/17/02						
P88-1b	655.16	654.24	654.14	648.43	648.98	650.20	653.21	654.30	654.51	653.03	648.58	653.29	654.27	Decommissioned 4/17/02						
P88-2a	660.21	660.19	659.59	652.73		652.48	655.86	658.80	658.96	657.28	651.80	657.95	659.23	656.71	651.27	655.43		658.98	655.48	651.03
P88-2b	653.63	653.10	652.70	646.98		647.36	649.60	647.59	647.57	645.53	641.41	647.16	649.19	646.35	640.79	643.88		647.68	645.07	641.10
P88-3a	648.88	648.99	647.65	638.48	638.04	638.75	642.40	645.48	646.35	643.70	636.32	645.10	647.23	643.82	636.33	639.18		647.98	641.62	635.61
P88-3b	644.58	644.75	643.48	635.79	635.91	636.68	639.88	640.33	640.97	638.45	631.79	638.62	641.51	638.91	632.47	635.83		642.88	637.73	632.21
P87-4M		683.94	683.51	681.59		681.88	682.66	683.61	684.01	683.16	681.43	683.69	684.15	683.05	680.94	682.44		683.86	682.29	680.49
P88-5a																				
P88-5b																				
P95-8a	701.27	700.52	699.22	697.36		697.05	696.87	697.79	699.04	698.42	696.88	698.26	700.87	698.64	696.96	696.39		699.12	697.33	696.59
P88-9a	645.43	645.53	645.13	641.46	642.53	642.91	644.28	643.16	643.39	642.40	638.85	643.59	644.00	642.91	640.13	643.63		644.54	642.61	639.71
P88-9b		638.99	638.29	635.06	635.64	635.14	637.47	635.62	635.64	634.73	631.94	635.28	636.22	635.39	632.55	634.89		636.94	635.37	632.66
P88-10a	660.95	661.46	660.50	652.09		651.30	656.23	660.60	660.95	657.33	651.95	660.13	660.65	658.43	652.75	658.25		659.83	657.02	652.85
P88-10b		655.04	654.21	647.67		647.96	650.83	650.48	650.60	649.31	643.97	650.31	651.52	649.63	644.47	649.24		660.68	649.45	645.40
P90-12a	637.64	638.09	637.72	635.86	637.32	637.14	637.83	637.94	638.14	637.14	635.15	638.08	637.77	636.98	633.42	637.76		637.77	636.81	632.11
P90-12b	636.38	636.58	636.44	634.17	635.55	635.58	636.33	635.58	635.63	634.75	632.28	635.63	635.64	634.95	631.22	635.59		635.92	634.84	630.02
P90-13a	639.39	639.50	637.69	632.05		632.29	635.01	639.10	639.99	637.94	632.03	637.73	639.31	637.31	630.94	635.27		639.46	634.83	630.44
P90-13b	639.18	639.36	638.61	631.91		632.21	634.96	638.80	639.60	637.59	631.71	638.33	638.96	635.98	630.66	635.74		639.13	634.60	629.66
P13-14A																				
GP-1P								635.25	635.90	634.65	632.27	635.28	635.40	634.18	631.88	635.33		635.59	633.69	631.46
GP-2P								641.11	641.12	641.11	640.27	641.20	641.11	640.73	639.73	640.54		641.77	640.24	638.97
GP-3P								645.53	646.96	647.21	645.76	647.15	647.57	647.53	645.52	646.03		647.56	647.34	645.16
GP-4P																			649.59	
GP-5P																	646.11			
GP-6P																	642.76		643.38	
GP-7P																	645.50		646.92	645.49
GP-8P																	644.25		649.95	646.87
GP-9P																				
GP-10																				
GP-14																				
GP-15																				
GP-16																				
WS-1																				
SG-1		630.39	630.11	629.15	629.79	629.74	630.29	630.17	632.20	629.51	628.64	630.64	630.07	628.94	628.47	630.44		630.34	628.48	626.01
SG-2		627.00	626.74		625.50	625.60	626.35	626.36	629.40	625.85	625.19	627.50	626.72	625.56		627.35		627.06	625.03	
LDCS-1								632.01	632.06	631.51	631.88	632.19	632.65	632.92	633.08	632.41		632.31	632.11	632.29
LDCS-2A								633.64	633.04	633.14	633.19	632.94	633.16	633.21	634.67	634.58		633.74	634.73	634.61
LDCS-2B																634.28		633.71	634.16	633.60

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	12/19/2003	3/22/2004	6/22/2004	9/29/2004	12/16/2004	3/23/2005	6/29/2005	10/3/2005	12/27/2005	3/16/2006	6/12/2006	9/18/2006	12/27/2006	3/31/2007	6/18/2007	9/18/2007	12/11/2007	3/10/2008	6/5/2008	9/26/2008
W87-1A																				
W87-2A	642.70	644.97	641.4	645.02	644.15	647.47	646.90	642.38	647.85	649.76	649.59	643.06	647.96	647.93	643.90	640.76	646.17	646.58	645.82	643.38
W88-3M	641.64	645.78	638.08	637.33	644.40	646.23	641.84		645.01	646.08	641.37	634.45	643.55	646.49	639.93	635.33	641.75	645.94	639.96	634.38
W87-4a	686.02	687.07	685.08	684.88	687.69	686.42	686.08	682.74	687.67	687.34	686.67	682.02	686.77	687.76	684.36	681.67	688.51	687.14	693.29	682.01
W88-5A	633.10	636.90	632.58	632.56	634.03	633.96	633.21													
W88-6A	622.80				636.90															
W88-7A	622.80	624.20		622.02		624.75				625.82		618.89	622.58	626.26	622.85	620.73	625.00	625.80	632.51	621.19
W88-8M	683.00	683.53	682.23	682.59	684.55	683.27	683.33	681.78	683.83	683.65	683.17	680.93	684.73	684.37	682.42	680.23	682.91	683.74	683.29	681.47
W90-12A	599.63	603.09	600.15	599.74	602.83	603.92	603.95	580.33	604.41	606.25	605.02	597.06	604.97	607.92	602.98	600.02	604.70	607.13	606.66	601.32
W95-14A	679.08	679.49	678.56	678.78	679.98		679.91	677.07	680.29	680.29	680.19	676.51	680.36	680.49	678.74	676.98	679.07	680.39	680.49	676.79
MW-1																				
MW-1A	634.79	635.69	636.29	634.55	635.78	635.75	634.87	632.48	635.59	635.43	634.66	631.39	635.21	635.69	633.55	631.81	635.96	634.91	634.36	631.72
MW-2																				
MW-2A	630.63	635.40	634.23	634.39	635.43	635.26	634.72	632.39	634.97	634.76	634.13	631.06	634.08	635.03	633.17	631.51	634.34	634.59	633.68	631.44
MW-3	630.93	634.45	629.86	630.32	631.67	631.50	631.01	627.92	631.26	631.17	630.46	626.17	628.70	631.59	629.07	626.79	630.60	631.04	630.19	627.07
MW-4	633.04	631.77	630.3	630.89	632.19	631.99	631.36	623.47	630.37	626.40	629.41	624.38		632.24	629.96	627.89	631.40	631.54	630.68	627.52
MW-5	628.93	633.46	631.78	633.05	635.13	633.41	633.41	631.14	634.41	633.80	633.53	628.78		627.15	631.32	630.05	633.74	632.36	632.04	
MW-5A																				
MW-6	628.93	628.79	626.37	628.54	629.24	627.99	627.26	626.47	629.58	628.71	627.71	624.16	626.14	629.37	626.38	626.82	629.01	626.39	627.20	625.30
MW-7	633.93	635.84	632.56	633.46	637.27	636.22	635.22	630.76	636.63	636.68	635.82	629.51	636.17				636.29	636.79	635.59	630.53
MW-9		692.11	692.15	691.17	692.10	692.65	692.77	689.93	692.99	693.67	693.47	689.28	691.54	693.90	691.59	689.20	691.85	692.93	692.66	689.16
MW-10	658.05	660.21	657.95	656.84	658.79	659.94	659.25	655.42	659.52	659.85	659.14	653.63	659.57	660.47	657.39	653.94	658.46	659.93	658.66	649.60
P88-1a																				
P88-1b																				
P88-2a	658.07	659.30	656.88	657.62	659.31	659.60	659.04	653.04	659.78	659.88	659.47		659.75	659.87	655.83	652.07	658.95	659.78	659.45	654.21
P88-2b	647.11	648.99	647.25	647.83	649.16	650.17	649.67	644.68	650.77	651.40			651.55	651.06	647.40	643.98	649.81	650.61	649.71	645.42
P88-3a	642.10	648.14	642.42	640.31	647.53	648.25	645.61	639.32	647.89	648.21	646.32		647.67	648.68	642.88	643.38	648.32	648.45	646.79	638.26
P88-3b	638.67	643.23	638.4	637.53	647.06	643.46	641.46	635.79	643.47	643.67	642.05		643.45	644.08	638.96	638.07	643.57	643.80	642.16	635.58
P87-4M	682.93	686.81		682.55	683.51	683.21	683.16													
P88-5a																				
P88-5b																				
P95-8a	696.90	699.31	701.59	697.51	698.76	699.00	699.16	697.36		700.81	699.64	697.33	699.44	702.25	702.25	722.07	697.28	699.60	698.64	697.06
P88-9a	644.25	644.67	643.57	643.88	645.09	644.61	644.23	Decommissioned 8/24/05												
P88-9b	636.37	637.47	636.39	636.23	637.58	636.65	637.14	Decommissioned 8/24/05												
P88-10a	659.00	662.45	656.61	656.54																
P88-10b	650.64	651.48	649.79	649.94																
P90-12a	637.75	637.81	636.83	637.43	637.77	637.72	637.68	637.41	637.91	637.66	637.81	633.93	637.70	637.89	636.80	635.15	637.68	637.63	637.68	635.52
P90-12b	635.90	636.09	634.99	635.58	636.14	636.02	635.98	634.99	636.30	636.18	636.19	631.73	635.28	636.33	635.06	633.05	636.14	636.13	636.11	633.65
P90-13a	638.78	639.19	635.97	637.45	636.67	638.96	638.80			639.52	638.89	631.32	635.06	639.78	634.41	630.41	638.35	639.23	637.10	631.02
P90-13b	638.35	639.02	635.74	637.11	639.23	638.66	635.86			639.24	638.64	631.00	633.87	639.41	634.22	630.19	638.09	638.91	636.91	630.81
P13-14A																				
GP-1P	635.39	635.59	634.51	635.02		635.26	635.11	633.20	635.60	635.37	634.76	632.76	635.79	636.02	634.11		635.69			
GP-2P	640.80	642.30	640.41	642.18		640.73	640.85	639.94	640.61	642.16	640.80	639.42	640.72	640.72	640.11					
GP-3P	647.21	647.82	647.83	647.78		647.78	648.00	646.26	647.69	647.74	647.98	645.87	647.38	647.98	647.38		647.62			
GP-4P	652.11	652.50	651.34	652.11								648.14	652.03	652.55						
GP-5P																				
GP-6P	639.58	640.92	640.54	639.99		641.28	641.25													
GP-7P	647.87	648.27	647.46	647.35		647.97	648.03													
GP-8P	651.16	652.00	651.08	650.79		651.16	650.98			651.72	651.87	649.10	648.62	651.66	649.47					
GP-9P						664.87	664.64	662.86		665.01	664.99	659.60	661.08	665.26	662.21					
GP-10																				
GP-14																				
GP-15																				
GP-16																				
WS-1																				
SG-1	629.94						630.94	629.89	631.69	631.02	629.16	627.09	630.15							
SG-2							625.79		628.25	627.64	625.92	624.75	629.98							
LDCS-1	632.44	632.64	632.23	632.75	638.34	632.12	632.21	632.65	631.74	632.31	632.56	632.57		632.08	630.65	630.40	631.05	630.67	630.27	630.33
LDCS-2A		634.72	635.26	634.78	634.05	633.99	634.72	634.18	633.95	633.88	634.21	634.15		633.51	632.29	632.71	632.42	632.39	632.53	632.46
LDCS-2B	634.44						634.64	634.37		633.58	634.59	634.58		634.11	634.49	634.26			634.04	633.80

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	12/8/2008	3/16/2009	6/23/2009	9/11/2009	12/21/2009	3/15/2010	6/9/2010	9/17/2010	12/20/2010	3/24/2011	6/29/2011	9/12/2011	12/7/2011	2/29/2012	6/1/2012	9/20/2012	12/13/2012	3/26/2013	6/21/2013	9/24/2013
W87-1A																				
W87-2A	645.95	650.2	647.12	641.38	645.76	647.45	648.00	641.37	645.65	647.60	645.71	641.81	645.31	648.01		643.69	648.56	649.95	646.16	645.61
W88-3M	639.86	644.21	638.96	634.00	641.38	643.44	644.87	635.85	645.23	646.89	643.16	636.52	641.96	646.01	646.18	637.03	644.43	646.11	645.26	643.96
W87-4a	684.48	687.17	684.84	682.03	686.27	688.29			687.71		686.08	682.79	684.23			682.54	684.26	687.49	685.84	683.84
W88-5A																				
W88-6A																				
W88-7A	624.40	626.2	623.77	620.89	625.80	626.74		626.86												
W88-8M	682.71	683.59	687.75	681.18	682.75	683.14				684.25	683.53	681.28	682.43			681.15	663.67	684.08	683.40	682.67
W90-12A	604.47	607.69	604.80	601.14	606.12	608.70	608.89	604.19	608.64	609.99	609.83	602.93	607.91	610.45	610.54	603.92	609.33	610.96		
W95-14A	678.87	680.11	678.96	676.30	679.39	680.08	680.49		680.49	680.49	680.49	680.49	680.49	680.49		677.52	680.24	680.49	680.49	678.40
MW-1																				
MW-1A	634.51	635.96	633.49	631.27	634.48	635.31	635.31	632.19	635.57	636.02	634.54	631.97	634.64	635.48	635.32	632.00	634.37	635.57	634.88	634.74
MW-2																				
MW-2A	633.96	634.74	633.10	631.22	634.24	634.20	634.84	631.83	634.82	634.78	633.94	642.03	633.98	634.72	634.60	631.77	634.60	634.76	634.21	634.09
MW-3	630.04	631.23	629.23	626.57	630.80	631.21	631.51	627.60	631.39	631.56	630.55	612.90	630.33	631.56	631.33	627.65	631.16	631.58	630.56	630.08
MW-4	630.07	630.99	629.44	626.92	630.46	630.84	631.17		631.34	631.32	630.37	624.34	630.06	631.35	630.87	627.88	630.97	630.97	630.37	629.85
MW-5			629.08	625.72	628.79	628.96	629.36	634.80	629.41	629.41		625.21	628.10	629.48		626.27	628.74	627.95	628.38	628.00
MW-5A											628.59		627.97	629.70	628.92	626.38	628.60	629.45	628.58	628.05
MW-6	628.64	629.23	626.47	625.08	629.35	629.00	628.88	626.40	628.81	628.79	626.68	624.88	627.92	628.81	627.05	624.68	628.99	628.56	626.66	627.96
MW-7	635.02	636.66	633.79	629.97	635.35	636.39	636.90	631.10	636.61	636.82	635.41	630.99	634.43	636.76	635.69	630.70	636.03	636.68	634.68	633.41
MW-9	691.38	693.04	691.89	689.07	692.04	692.84	693.80		693.50	694.37	693.79	690.62	691.77	694.00	693.90	690.02	693.16	694.27	693.54	691.87
MW-10	652.48	655.00	651.64	647.99	649.30	650.05	651.32	649.90	654.47	655.59	664.78	650.30	652.39	648.95	657.95	649.47	650.84	663.87	658.46	656.92
P88-1a																				
P88-1b																				
P88-2a	658.62	660.31	657.20	654.03	659.08	659.76	651.29	656.87	660.12	655.39	659.69	655.67	658.90	660.65	660.19	655.45	660.44	660.98		
P88-2b	649.51	651.71	648.51	643.92	649.04	650.24	659.76	645.71	650.46	650.79	650.74	646.30	649.11	651.54	655.77	646.27	651.35	652.10		
P88-3a	643.04	647.51	643.22	638.62	643.76	647.37	647.76	637.68	647.25		644.63	639.00	640.50	646.27	643.69	638.56	642.70	647.10	642.85	639.17
P88-3b	639.62	643.18	639.34	634.95	640.15	643.89	643.36	634.48	642.97		640.84	635.61	637.80	643.07	640.02	635.26	639.85	640.83	639.48	636.77
P87-4M						683.07					683.22									
P88-5a																				
P88-5b																				
P95-8a	697.13	698.86	698.27	696.96	697.30	699.21		697.53	701.61	702.12	701.03	697.60	697.40			697.50	698.66	700.51	699.37	697.57
P88-9a																				
P88-9b																				
P88-10a																				
P88-10b																				
P90-12a	637.86	637.92	637.11	636.07	638.03	637.74	638.47	636.88	637.75	637.77		634.36	636.82	637.75	638.22	633.58	637.94	637.79		
P90-12b	636.25	636.44	635.46	634.01	636.47	636.37	636.62	635.14	636.42	636.52	636.03	632.71	635.93	636.48	636.97	631.97	636.53	636.49		
P90-13a	635.83	639.3	634.99	630.45	638.86															
P90-13b	635.64	639.22	634.76	629.98	638.35															
P13-14A																				
GP-1P							636.48	633.42					634.90						635.10	634.02
GP-2P						641.35	641.41	639.90					640.71							640.89
GP-3P						647.48	647.74	646.70					647.48	648.12					647.92	
GP-4P													651.89						652.16	651.48
GP-5P																				
GP-6P																				
GP-7P																				
GP-8P																				
GP-9P						662.57	663.15	661.27					661.48	662.62	661.40				661.79	661.80
GP-10			632.23	629.86				647.56							643.25				633.90	633.99
GP-14																				
GP-15																				
GP-16																				
WS-1																				
SG-1						631.22	631.39		631.39					631.54	632.79		632.79	632.79		632.79
SG-2						626.52			626.80	626.90	625.50			626.81	625.85		627.24			623.28
LDCS-1	630.44	630.85	630.99	631.02	630.84		630.29	630.75	630.75				630.90						630.76	630.52
LDCS-2A	632.12	632.63	630.44	632.32	632.37		632.08	637.57	632.82				652.14						634.44	634.23
LDCS-2B		634.09	634.48	634.35	633.94		641.66	634.46	634.00				633.94						636.04	637.99

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	12/11/2013	3/25/2014	6/24/2014	9/18/2014	12/17/2014	3/24/2015	6/9/2015	9/17/2015	12/14/2015	3/22/2016	6/9/2016	9/16/2016	12/8/2016	3/31/2017	6/22/2017	9/28/2017	12/13/2017	3/21/2018	6/20/2018	9/19/2018
W87-1A																				
W87-2A	647.60	649.53	646.12	644.01	647.01	649.15	645.69	643.92	649.48	651.16	648.31	642.15	649.91	649.43	648.89	645.70	649.10	650.95	646.97	643.31
W88-3M	645.98	646.11	645.21	642.96	644.56	645.92	644.71	640.86	644.49	646.46	645.22	641.74	645.28	647.21	645.30	642.09	645.25	646.94	646.07	642.41
W87-4a	687.51	687.79	685.81	683.66	687.39	687.80	685.11	680.91	687.64	687.49	684.44	682.07	687.80	688.03	686.11	682.46	687.47	687.54	685.21	682.55
W88-5A																				
W88-6A																				
W88-7A																				
W88-8M	683.99	684.57	683.4	681.05	683.65	683.95		679.53	681.85	681.75	680.35	679.43	681.69	682.48	681.52	679.71	681.90	682.47	680.79	679.69
W90-12A	608.33	611.09	609.92	607.17		612.54	609.40	603.82	610.22	612.64	608.66	605.26	610.84	613.22	611.24	608.21	610.73	613.01	609.79	604.84
W95-14A	680.49	680.49	680.49	680.49	680.49	680.49		680.49	680.19	680.49	678.84	678.06	679.79	680.49	679.28	677.01	680.49	680.49	679.21	
MW-1																				
MW-1A	635.48	635.86	634.72	632.22	635.04	635.69	634.24	631.37	613.57	604.43	634.17	632.81	635.48	635.77	635.06	632.44	635.12	634.86	634.46	632.35
MW-2																				
MW-2A	634.83	635.09	633.93	631.83	634.72	634.98	633.96	631.48	634.58	634.91	633.61	632.22	634.84	635.06	634.45	631.84	634.43	634.93	633.94	631.86
MW-3	631.19	631.87	630.41	627.61	631.41	631.90	629.84	626.92	631.23	631.71	630.01	627.99	631.49	631.93	631.04	627.33	631.21	631.66	630.42	627.58
MW-4	631.16	631.74	630.25	627.84	631.15	631.67	629.22	626.99	630.85	630.87	629.89	627.88	630.65	631.53	630.67	627.16	630.79	631.35	630.21	627.48
MW-5	629.20	629.66	628.06	625.65	628.22		627.53	624.50												
MW-5A	629.20	629.79	628.43	626.25	629.38	629.76	628.66	625.35	629.33	629.55	628.23	626.24	629.23	629.43	628.83	625.80	629.08	629.60	628.70	629.09
MW-6	628.05	628.55	626.28	623.26	628.18	628.86	625.80	622.01	628.69	628.68	625.68	622.81	628.87	629.03	626.56	622.50	627.93	627.14	625.50	623.13
MW-7	635.82	636.47	634.41	630.48	635.56	636.43	633.93	629.63	635.31	636.25	633.25	630.27	635.15	636.51	634.72	629.98	634.71	635.97	633.74	630.05
MW-9	693.94	695.17	693.53	690.67	693.47	694.55	693.36	689.76	693.22	694.47	692.49	689.84	692.97	694.57	693.59	689.88	692.87	694.42	692.84	689.55
MW-10	658.97	659.42	658.43	653.4	658.5	654.94	653.27	649.58	654.32	655.12	653.82	650.48	654.19	655.51	653.61	650.19	654.26	655.35	653.89	649.63
P88-1a																				
P88-1b																				
P88-2a																				
P88-2b																				
P88-3a	644.72	647.11	642.8	640.15		646.71	642.32	636.48	640.95	646.37	640.74	636.87	639.17	646.58	642.22	640.99	638.78	646.20	641.30	636.69
P88-3b	641.16	642.83	639.46	636.55		642.60	638.98	633.53	638.67	642.29	637.68	634.11	637.50	642.47	639.13	637.83	637.15	642.13	638.20	633.93
P87-4M																				
P88-5a																				
P88-5b																				
P95-8a	700.02	703.34	699.34	696.9	699.07	700.49		697.08	700.48		698.17	697.12	698.52	702.11	698.89	697.27	699.02	700.84	698.65	697.19
P88-9a																				
P88-9b																				
P88-10a																				
P88-10b																				
P90-12a	637.73	638.09	636.95	634		637.99	636.49	632.62	637.95	638.54	636.39	632.49	637.97	637.97	637.42	634.77	637.86	637.95	636.44	632.09
P90-12b	636.52	636.83	635.83	632.88		636.78	635.28	630.40	636.61	636.80	635.01	630.65	636.69	636.71	636.16	633.62	636.53	636.69	635.25	629.84
P90-13a	-0.59	1.02		-1.78	-1.18															
P90-13b	-12.37	-12.04		-15.31	-12.63															
P13-14A	648.19	648.506		645.79	648.19		647.36	641.59	648.88	648.60	646.14	642.58	648.09	648.56	646.94	642.75	646.55	646.78	644.32	640.96
GP-1P	635.58	635.87	624.28	633.23		634.70		632.14		635.17	634.20				635.29	631.85	635.44	635.24	634.54	632.22
GP-2P	641.26	641.97	633.87	640.25		643.00		640.28		641.23	640.28				642.09	640.54		642.82	642.33	640.03
GP-3P						647.53		645.31		647.56	647.26				647.71	645.35	647.08	647.19	647.28	645.07
GP-4P	652.58	653.26		650.11		652.74		647.90		652.71	651.00				651.92	647.86	652.60	652.74	651.87	646.90
GP-5P																				
GP-6P																				
GP-7P																				
GP-8P																				
GP-9P	662.09	663.13		660.11		662.36		659.73		663.47	661.30				661.72	659.40	663.22	662.22		658.19
GP-10	648.86	635.15	627.24	632.86																
GP-14																				
GP-15																				
GP-16																				
WS-1																				
SG-1	632.79	632.79	632.79	632.79	632.79					631.59	632.09	631.48								
SG-2	627.55	627.65	625.2	625.1	626.53	628.28	624.03			627.05	626.15		626.45							
LDCS-1	631.20	631.36	630.47	630.31	631.01	632.01	631.96	629.24	629.24	629.44	631.14	627.14	627.60	631.31	631.34	630.26	631.26	631.41	630.76	628.86
LDCS-2A	634.34	634.68	634.44	634.41	634.24		632.41	634.39	634.39	634.29	634.32	634.23	634.32	634.04	634.54	634.54	634.14	634.64	634.14	634.54
LDCS-2B	630.85	631.62	641.7	636.05	635.7	635.98	636.18	636.25	636.25	636.19	635.39	638.48	636.12	636.30	636.15	635.90	635.85	635.84	635.90	635.22

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	12/5/2018	3/12/2019	6/18/2019	9/26/2019	12/11/2019	3/17/2020	6/9/2020	9/24/2020	12/16/2020	3/9/2021	6/15/2021	9/16/2021	12/15/2021	3/29/2022	6/14/2022	9/13/2022	12/28/2022	3/14/2023	6/7/2023	9/28/2023	######
W87-1A																					
W87-2A	646.31	649.62	643.62	644.61	647.79	650.62	650.31	646.70	647.11	650.71	646.56	642.61	646.61	647.78	649.00	640.40	645.91	646.11	646.29	641.19	644.78
W88-3M	643.21	646.20	644.77	641.68	643.54	645.23	644.83	641.02	645.11	646.59	645.51	641.06	643.28	645.40	646.03	639.40	650.98	641.55			
W87-4a	684.37	687.70	684.99	684.26	685.68	688.07	686.54	683.33	687.79	687.97	685.39	682.49	688.04	687.55	688.11	681.74	678.06	687.77			
W88-5A																					
W88-6A																					
W88-7A																					
W88-8M	680.40	680.67	680.63	680.18	680.89	682.13	681.68	680.03	650.05	682.45	681.37	679.20	681.77	681.87	682.95						
W90-12A	606.63	611.38	607.49	605.17	607.84	612.03	611.22	604.18	610.83	612.57	609.37	602.79	611.12	612.30	613.15	602.75	610.41	610.53		604.23	
W95-14A	677.60	679.50	678.15	676.97	678.57	679.94	679.37			677.28	678.92	676.27	679.54	679.75	646.03						
MW-1																					
MW-1A	634.17	635.32	634.20	633.22	634.54	635.04	634.84	632.25	635.09	635.42	634.69	631.77	635.15	635.29	635.07	632.86	634.54	634.60	634.08	631.43	634.69
MW-2																					
MW-2A	633.67	634.80	633.63	632.95	634.08	634.75	634.54	631.63	634.48	634.80	634.19	631.18	634.57	633.86	634.96	632.20	639.35	634.62	633.68	631.02	634.30
MW-3	628.36	631.29	630.07	628.82	630.43	631.71	631.20	627.32	631.11	631.56	630.41	626.71	631.38	631.50	631.81	625.62	630.81	631.52		626.59	
MW-4	629.13	631.14	629.85	628.55	629.96	631.37	630.81	627.67	630.87	631.35	630.32	626.95	630.97	631.25	631.54	628.09	628.09	631.14	630.16	626.95	630.99
MW-5																					
MW-5A	626.42	629.32	628.22	627.12	628.14	629.55	629.10	626.54	629.00	629.80	628.84	626.00	629.35	629.64	629.85	627.05	629.45	634.40	628.94	625.79	629.23
MW-6	626.91	627.48	625.87	625.63	627.33	628.61	627.25	623.12	628.54	628.21	626.91	622.41	628.77	628.10	628.63	621.25	628.70	628.73	626.15	621.89	628.84
MW-7	631.52	635.15	632.87	630.54	632.11	635.46	634.61	629.93	634.32	635.53	633.41	628.53	634.33	635.19	637.71	633.90	633.12	634.39		628.28	633.17
MW-9	690.64	693.14	691.71	689.86	691.55	693.50	693.32	689.66	692.57	693.92	692.42	688.87	692.67	693.81	694.31	687.47	692.10	693.07	692.20	688.79	691.94
MW-10	651.58	653.88	652.46	645.95	652.74	654.75	654.22	650.08	653.90	654.74	653.37	649.17	651.07	653.11	653.85	642.75	652.98	654.20	653.55	649.18	652.55
P88-1a																					
P88-1b																					
P88-2a																					
P88-2b																					
P88-3a	636.10	641.26	640.17	636.39	636.69	645.23	642.35	636.46	637.68	645.20	640.48	635.50	636.99	645.62	645.59	645.59	634.41	638.88			638.88
P88-3b	634.14	638.73	637.97	633.95	635.02	641.57	639.28	633.75	636.35	641.43	637.56	632.58	635.87	641.52	641.57	641.57	631.15	635.00			
P87-4M																					
P88-5a																					
P88-5b																					
P95-8a	696.82	699.28	697.56	697.02	697.04	699.97	698.68	697.10	697.68	701.42	697.82	696.82	699.18	700.72	696.42	696.42	695.51		680.85	680.02	
P88-9a																					
P88-9b																					
P88-10a																					
P88-10b																					
P90-12a	634.83	638.09	636.56	636.54	636.33	636.98	636.74	631.24	636.81	636.83	636.37	627.89	636.80	636.78	636.94	636.94	625.98	626.46			
P90-12b	633.71	636.40	634.98	634.38	637.84	637.96	638.03	634.18	638.02	638.05	637.74	629.43	638.13	637.97	638.11	638.11	627.59	626.99			
P90-13a																					
P90-13b																					
P13-14A	642.81	646.62	643.92	642.57	644.67		645.76	641.05	643.78	644.76	644.47	639.16	643.65	644.69	646.03	646.03	638.84			638.31	
GP-1P	634.91	635.35	634.90	633.42	635.50	635.94	635.91	633.56	635.79	635.80	634.85	632.00	635.60	635.69	635.94	635.94	631.89	647.00			638.25
GP-2P	641.38	640.56	642.26	640.60	643.21	642.76	642.53	640.88	642.63	643.49	642.49	640.61	642.81	639.21	643.93	643.93	644.41	640.91	642.71		641.95
GP-3P	646.55	646.94	647.04	646.19	647.01	647.12	647.21	648.26	651.21	651.01	651.16	646.81	650.71	650.94	650.76	650.76	646.42	648.81	648.61		646.13
GP-4P	650.29	652.65	652.25	648.56	653.01	652.97	653.14	647.88	655.68	652.76	651.24	647.66	651.51	652.49	652.46	652.46	647.77	652.51	652.21		647.32
GP-5P																					
GP-6P																					
GP-7P																					
GP-8P																					
GP-9P	662.42	662.35	661.68	660.65	662.73	662.96	662.37	661.63	663.43	662.98	662.78	658.48	663.83	663.81	663.25	663.25	658.41	662.73	662.03		662.40
GP-10																					
GP-14																					
GP-15																					
GP-16					668.81					670.51	669.21		670.55	670.78	670.81	667.27	667.27				
WS-1																					
SG-1																					
SG-2																					
LDCS-1	630.31	631.68	630.56	630.21	630.84	631.36	631.16	629.31		631.51	630.96	629.81	631.36	630.90	631.21	630.16	628.77	628.07	628.79		629.46
LDCS-2A	630.01	630.10	629.93	629.44	629.80	630.24	630.12	630.05		630.68	630.26	629.56	630.09	630.42	630.04	629.76	632.02	632.37	629.14		629.43
LDCS-2B	635.12	635.62	635.09	634.55	635.23	635.30	633.55	633.80		634.50	633.87	633.50	633.95	633.70	633.73	633.74	633.34	633.25	634.05		635.89

Water Level Elevation Data
LRI Landfill, Pierce County Washington

WELL NUMBER	3/20/2024	6/7/2024	9/25/2024	12/11/2024
W87-1A				
W87-2A	648.97	648.46	648.46	
W88-3M				
W87-4a	686.84		683.01	684.92
W88-5A				
W88-6A				
W88-7A				
W88-8M				
W90-12A	609.12			
W95-14A				
MW-1				
MW-1A	634.64	634.84	631.37	633.37
MW-2				
MW-2A	634.59	634.62	631.59	633.57
MW-3	631.65	631.67	627.90	630.06
MW-4	631.61	631.75	628.47	630.33
MW-5				
MW-5A	629.68	630.57	628.77	629.87
MW-6	627.90	628.04	624.32	627.76
MW-7	634.91	634.58	629.56	656.03
MW-9	693.45	693.36	689.37	690.99
MW-10	653.42	653.05	648.48	646.84
P88-1a				
P88-1b				
P88-2a				
P88-2b				
P88-3a	638.88			
P88-3b	635.00			
P87-4M				
P88-5a				
P88-5b				
P95-8a				
P88-9a				
P88-9b				
P88-10a				
P88-10b				
P90-12a	626.51			
P90-12b	626.99			
P90-13a				
P90-13b				
P13-14A	641.25			
GP-1P	638.09	638.30	638.30	639.30
GP-2P	642.97	643.62	643.62	642.41
GP-3P	648.79	649.21	649.21	648.61
GP-4P	652.42	651.53	651.43	649.91
GP-5P				
GP-6P				
GP-7P				
GP-8P				
GP-9P	662.75	661.52	661.52	662.53
GP-10				
GP-14				
GP-15				
GP-16	670.37	669.61	669.61	669.31
WS-1				
SG-1				
SG-2				
LDCS-1	628.21	628.17	628.17	629.32
LDCS-2A	629.41	629.86	629.86	629.60
LDCS-2B	634.38	633.50	633.50	633.99

Table 1. Groundwater Level Elevations
March 19 and 20, 2024
LRI Landfill, Pierce County, Washington

Location	Well Casing Elevation (ft)	Depth to Water (ft)	Water Level Elevation (ft, NGVD29)
Wells			
W87-2A	664.01	15.04	648.97
W87-4A	693.29	6.45	686.84
W90-12A	640.84	31.72	609.12
MW-1A	652.57	17.93	634.64
MW-2A	651.93	17.34	634.59
MW-3	637.41	5.76	631.65
MW-4	652.37	20.76	631.61
MW-5A	655.55	25.87	629.68
MW-6	635.71	7.81	627.90
MW-7	656.03	21.12	634.91
MW-9	701.77	8.32	693.45
MW-10	678.37	24.95	653.42
Piezometers			
P13-14A	665.96	24.71	641.25
P88-3A	656.20	17.32	638.88
P88-3B	655.98	20.98	635.00
P90-12A	640.84	14.33	626.51
P90-12B	640.73	13.74	626.99
GP-1P	652.00	13.91	638.09
GP-2P	658.61	15.64	642.97
GP-3P	658.51	9.72	648.79
GP-4P	662.01	9.59	652.42
GP-9P	674.03	11.28	662.70
GP-14P		11.45	--
GP-15P		14.89	--
GP-16P	689.51	19.14	662.70
GP-17P		5.36	--
P21-2		20.85	--
P22-1		26.43	--
P22-2		5.27	--
P22-3		11.02	--
South Creek			
SWSC-1	632.68	3.32	662.70
SWSC-2	629.98	4.86	662.70
Leak Detection System			
LDCS-1	657.26	29.05	662.70
LDCS-2A	659.24	29.83	662.70
LDCS-2B	661.70	27.32	662.70

Notes:

NM = not measured

-- = not applicable

All measurements taken on March 19 & 20, 2024

Table 1. Groundwater Level Elevations
June 5-7 and 26, 2024
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
MW-1A	652.57	17.73	634.84
MW-2A	651.93	17.31	634.62
MW-3	637.41	5.74	631.67
MW-4	652.37	20.62	631.75
MW-5A	655.55	24.98	630.57
MW-6	635.71	7.67	628.04
MW-7	656.03	21.45	634.58
MW-9	701.77	8.41	693.36
MW-10	678.37	25.32	653.05
Piezometers			
GP-1P	652.00	13.70	638.30
GP-2P	658.61	14.99	643.62
GP-3P	658.51	9.30	649.21
GP-4P	662.01	10.58	651.43
GP-9P	674.03	12.51	661.52
GP-14P		13.09	--
GP-15P		15.87	--
GP-16P	689.51	19.90	669.61
GP-17P		7.26	--
P21-2		22.21	--
P22-1		27.88	--
P22-2		5.11	--
P22-3		10.46	--
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	29.09	628.17
LDCS-2A	659.24	29.38	629.86
LDCS-2B	661.70	28.20	633.50

Notes:

NM = not measured

-- = not applicable

All measurements taken on June 5-7, 2024

Table 1. Groundwater Level Elevations
September 24-27, 2024
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
MW-1A	652.57	21.20	631.37
MW-2A	651.93	20.34	631.59
MW-3	637.41	9.51	627.90
MW-4	652.37	23.90	628.47
MW-5A	655.55	26.78	628.77
MW-6	635.71	11.39	624.32
MW-7	656.03	26.47	629.56
MW-9	701.77	12.40	689.37
MW-10	678.37	29.89	648.48
Piezometers			
GP-1P	652.00	13.70	638.30
GP-2P	658.61	14.99	643.62
GP-3P	658.51	9.30	649.21
GP-4P	662.01	10.58	651.43
GP-9P	674.03	12.51	661.52
GP-14P		13.09	--
GP-15P		15.87	--
GP-16P	689.51	19.90	669.61
GP-17P		7.20	--
P21-2		21.11	--
P22-1		26.97	--
P22-2		4.86	--
P22-3		11.13	--
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	29.09	628.17
LDCS-2A	659.24	29.38	629.86
LDCS-2B	661.70	28.20	633.50

Notes:

NM = not measured

-- = not applicable

All measurements taken on September 24-27, 2024

Table 1. Groundwater Level Elevations
December 10-12, 2024
LRI Landfill, Pierce County, Washington

Location	Well Casing Elevation (ft)	Depth to Water (ft)	Water Level Elevation (ft, NGVD29)
Wells			
W87-2A	664.01		664.01
W87-4A	693.29	8.37	684.92
MW-1A	652.57	19.20	633.37
MW-2A	651.93	18.36	633.57
MW-3	637.41	7.35	630.06
MW-4	652.37	22.04	630.33
MW-5A	655.55	25.68	629.87
MW-6	635.71	7.95	627.76
MW-7	656.03		656.03
MW-9	701.77	10.78	690.99
MW-10	678.37	31.53	646.84
Piezometers			
GP-1P	652.00	12.70	639.30
GP-2P	658.61	16.20	642.41
GP-3P	658.51	9.90	648.61
GP-4P	662.01	12.10	649.91
GP-9P	674.03	11.50	662.53
GP-14P		14.00	--
GP-15P		Dry	--
GP-16P	689.51	20.20	669.31
GP-17P		6.70	--
P21-2		22.08	--
P22-1		29.82	--
P22-2		5.81	--
P22-3		Damaged	--
South Creek			
SWSC-1	632.68		632.68
SWSC-2	629.98		629.98
Leak Detection System			
LDCS-1	657.26	27.94	629.32
LDCS-2A	659.24	29.64	629.60
LDCS-2B	661.70	27.71	633.99

Notes:

NM = not measured

-- = not applicable

All measurements taken on December 10-12, 2024

Appendix B

Groundwater Monitoring Data

Table 1. Groundwater Level Elevations
March 19 and 20, 2024
LRI Landfill, Pierce County, Washington

Location	Well Casing Elevation (ft)	Depth to Water (ft)	Water Level Elevation (ft, NGVD29)
Wells			
W87-2A	664.01	15.04	648.97
W87-4A	693.29	6.45	686.84
W90-12A	640.84	31.72	609.12
MW-1A	652.57	17.93	634.64
MW-2A	651.93	17.34	634.59
MW-3	637.41	5.76	631.65
MW-4	652.37	20.76	631.61
MW-5A	655.55	25.87	629.68
MW-6	635.71	7.81	627.90
MW-7	656.03	21.12	634.91
MW-9	701.77	8.32	693.45
MW-10	678.37	24.95	653.42
Piezometers			
P13-14A	665.96	24.71	641.25
P88-3A	656.20	17.32	638.88
P88-3B	655.98	20.98	635.00
P90-12A	640.84	14.33	626.51
P90-12B	640.73	13.74	626.99
GP-1P	652.00	13.91	638.09
GP-2P	658.61	15.64	642.97
GP-3P	658.51	9.72	648.79
GP-4P	662.01	9.59	652.42
GP-9P	674.03	11.28	662.70
GP-14P		11.45	--
GP-15P		14.89	--
GP-16P	689.51	19.14	662.70
GP-17P		5.36	--
P21-2		20.85	--
P22-1		26.43	--
P22-2		5.27	--
P22-3		11.02	--
South Creek			
SWSC-1	632.68	3.32	662.70
SWSC-2	629.98	4.86	662.70
Leak Detection System			
LDCS-1	657.26	29.05	662.70
LDCS-2A	659.24	29.83	662.70
LDCS-2B	661.70	27.32	662.70

Notes:

NM = not measured

-- = not applicable

All measurements taken on March 19 & 20, 2024

Table 2. Field Parameters
First Quarter 2024
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Sampling Method	pH	Conductivity	Temperature
Units				(SU)	(µS/cm)	(°C)
WAC 173-200 Criteria				6.5-8.5	700[b]	—
Monitoring Wells						
MW-1A	304-031924-01	3/19/2024	DP	7.01	132	14.8
MW-2A	304-031924-02	3/19/2024	DP	7.10	288	13.1
MW-3	304-031924-03	3/19/2024	DP	7.12	434	10.9
MW-4	304-031924-04	3/19/2024	SP	7.36	366	14.8
MW-5A	304-031924-05	3/19/2024	DP	7.42	405	12.5
MW-6	304-031924-06	3/19/2024	DP	7.53	380	10.8
MW-7	304-031924-07	3/19/2024	DP	7.49	374	11.3
MW-9	304-031924-09	3/19/2024	DP	6.57	135	10.4
MW-10	304-031924-10	3/19/2024	DP	**6.21**	271	11.9
Leak Detection System						
LDCS-1	304-032024-12	3/20/2024	DB	6.47	333	21.2
LDCS-2A	304-032024-13	3/20/2024	DB	6.53	803	20.7
LDCS-2B	304-032024-14	3/20/2024	DB	6.71	1030	16.0
LDCS-3A	304-032024-15	3/20/2024	DP	6.20	878	19.4
LDCS-4A	304-032024-16	3/20/2024	DP	6.57	1168	21.1
LDCS-4B	304-032024-17	3/20/2024	DP	6.19	1,001	25.8
LDCS-5	304-032024-18	3/20/2024	DP	6.12	683	21.3
LDCS-6	304-032024-19	3/20/2024	DP	6.36	1,137	21.4
LDCS-7	304-032024-20	3/20/2024	DP	6.09	661	23.0
LDCS-8	304-032024-21	3/20/2024	GB	6.19	989	21.6
LDCS-9	304-032024-22	3/20/2024	GB	5.71	827	12.5

Notes:

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

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 2024
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	61	*	0.58	*	8.4	95	1.4	490
MW-2A	130	0.13	3.7	*	18	180	*	6.8
MW-3	200	0.12	4.0	0.64	30	240	1.3	*
MW-4	170	*	3.8	*	13	210	1.4	9.6
MW-5A	200	0.17	3.9	*	22	240	1.1	*
MW-6	190	0.14	6.1	*	8.0	210	1.2	*
MW-7	200	0.19	3.4	*	4.1	200	*	*
(BG) MW-9	67	*	1.6	*	1.6	110	*	*
(BG) MW-10	120	*	6.9	2.7	6.3	180	*	*
Leak Detection System								
LDCS-1	210	2.0	5.2	*	6.8	310	210	-
LDCS-2A	400	0.8	10	*	34	500	5.9	-
LDCS-2B	360	2.6	29	*	42	520	68	-
LDCS-3A	410	0.28	4.7	*	59	520	2.0	-
LDCS-4A	320	*	32	*	270	770	6.1	-
LDCS-4B	320	0.17	33	*	160	620	6.7	-
LDCS-5	240	0.33	33	*	59	400	10	-
LDCS-6	450	0.23	28	*	120	680	3.9	-
LDCS-7	360	0.21	7.1	*	24	450	5.4	-
LDCS-8	460	0.14	22	*	59	570	6.8	-
LDCS-9	400	0.15	6.2	*	47	500	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 2024
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	—	*	—	**0.02**	—	0.27	—	*	—	*	—	**0.089**	—	**0.034**	—	**0.17**	—	0.033	—	**0.089**	—	*	—	*	—	*	—	**0.12**	—	**0.34**
MW-2A	—	*	—	*	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-3	—	*	—	*	—	0.016	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-4	—	*	—	**0.011**	—	0.018	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.036
MW-5A	—	*	—	**0.006**	—	0.016	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-6	—	*	—	**0.0079**	—	0.016	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-7	—	*	—	**0.0056**	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
(BG) MW-9	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.014	—	*
(BG) MW-10	—	*	—	*	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
Leak Detection System																														
LDCS-1	*	—	0.0063	—	0.014	—	—	—	—	—	*	—	0.002	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-2A	*	—	0.059	—	0.083	—	—	—	—	—	*	—	0.0015	—	*	—	*	—	*	—	—	—	—	—	—	—	0.0053	—	*	—
LDCS-2B	*	—	0.33	—	0.18	—	—	—	—	—	*	—	0.0032	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-3A	*	—	0.016	—	0.022	—	—	—	—	—	*	—	0.0043	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4A	*	—	*	—	0.018	—	—	—	—	—	*	—	*	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	0.031	—
LDCS-4B	*	—	0.0067	—	0.024	—	—	—	—	—	*	—	0.0014	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-5	*	—	0.0053	—	0.034	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-6	*	—	0.0052	—	0.05	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-7	*	—	0.0066	—	0.026	—	*	—	*	—	*	—	0.0017	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-8	*	—	0.0052	—	0.04	—	*	—	*	—	*	—	0.0017	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-9	*	—	*	—	0.034	—	*	—	*	—	*	—	0.011	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—

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 2024
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	17	*	2.9	0.03	*	5
MW-2A	25	**0.85**	12	**0.31**	3.5	16
MW-3	45	*	20	**0.41**	4.2	14
MW-4	33	0.16	18	**0.1**	5.6	12
MW-5A	30	0.11	12	**0.19**	4.3	39
MW-6	39	*	18	**0.25**	5	11
MW-7	32	0.21	22	**0.23**	5.2	11
(BG) MW-9	10	*	6.7	*	*	7.1
(BG) MW-10	26	*	11	*	2.2	12
Leak Detection System						
LDCS-1	36	53	17	2.4	4.7	18
LDCS-2A	100	5.5	41	2.7	9.6	30
LDCS-2B	110	120	45	1.3	7.4	21
LDCS-3A	100	2	47	4.4	6.6	23
LDCS-4A	170	*	44	0.38	4.5	34
LDCS-4B	120	0.68	45	1.3	5.9	30
LDCS-5	59	0.27	37	1	6.8	29
LDCS-6	100	0.33	84	1.8	7.4	29
LDCS-7	86	0.88	35	2.6	4.3	24
LDCS-8	86	1.1	77	1.8	5.4	24
LDCS-9	110	*	35	1.4	4.3	35

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 2024
LRI Landfill, Pierce County, Washington

Parameter	1,4-Dichlorobenzene	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Carbon disulfide	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
MRL	0.50	6.0	5.0	10.0	0.50	0.63	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	0.95	*	*	24	*	*	*	*	*	*
LDCS-2A	0.5	*	*	14	*	*	*	*	*	*
LDCS-2B	*	*	*	38	*	0.64	*	*	*	*
LDCS-3A	*	*	*	*	*	*	*	*	*	*
LDCS-4A	*	*	*	*	*	*	*	*	*	*
LDCS-4B	*	*	*	*	*	*	*	*	*	*
LDCS-5	*	*	*	*	*	*	*	*	*	*
LDCS-6	*	*	*	*	*	*	*	*	*	*
LDCS-7	*	*	*	*	1.7	*	*	*	*	*
LDCS-8	*	*	*	*	0.52	*	*	*	*	*
LDCS-9	*	*	*	*	*	*	*	*	*	*
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 2024
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	17	2.9	2.0	5.0	26.9	0.85	0.24	0.05	0.22	1.35	19.5	62.9	17.7
MW-2A	25	12	3.5	16	56.5	1.25	0.99	0.08	0.70	3.01	25.7	41.4	32.8
MW-3	45	20	4.2	14	83.2	2.25	1.65	0.09	0.61	4.60	15.3	48.9	35.8
MW-4	33	18	5.6	12	68.6	1.65	1.48	0.13	0.52	3.78	17.2	43.6	39.2
MW-5A	30	12	4.3	39	85.3	1.50	0.99	0.10	1.70	4.28	41.9	35.0	23.1
MW-6	39	18	5.0	11.0	73	1.95	1.48	0.11	0.48	4.02	14.7	48.4	36.9
MW-7	32	22	5.2	11	70.2	1.60	1.81	0.12	0.48	4.00	14.9	39.9	45.2
MW-9	10	6.7	2.0	7.1	25.8	0.50	0.55	0.05	0.31	1.40	25.2	35.5	39.3
MW-10	26	11	2.2	12	51.2	1.30	0.91	0.05	0.52	2.77	20.6	46.8	32.6
LDCS-1	36	17	4.7	18	75.7	1.80	1.40	0.11	0.78	4.08	21.8	44.0	34.3
LDCS-2A	100	41	9.6	30	180.6	4.99	3.37	0.22	1.31	9.89	15.4	50.5	34.1
LDCS-2B	110	45	7.4	21	183.4	5.49	3.70	0.17	0.91	10.27	10.5	53.4	36.1
LDCS-3A	100	47	6.6	23	176.6	4.99	3.87	0.15	1.00	10.01	11.5	49.9	38.7
LDCS-4A	170	44	4.5	34	252.5	8.48	3.62	0.10	1.48	13.68	11.6	62.0	26.5
LDCS-4B	120	45	5.9	30	200.9	5.99	3.70	0.13	1.31	11.13	12.9	53.8	33.3
LDCS-5	59	37	6.8	29	131.8	2.94	3.05	0.15	1.26	7.40	19.1	39.8	41.1
LDCS-6	100	84	7.4	29	220.4	4.99	6.91	0.17	1.26	13.33	10.7	37.4	51.9
LDCS-7	86	35	4.3	24	149.3	4.29	2.88	0.10	1.04	8.31	13.7	51.6	34.7
LDCS-8	86	77	5.4	24	192.4	4.29	6.34	0.12	1.04	11.79	9.9	36.4	53.7
LDCS-9	110	35	4.3	35	184.3	5.49	2.88	0.10	1.52	9.99	16.2	54.9	28.8

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	73.2	0.6	0.0	8.4	82.18	1.20	0.02	0.000	0.17	1.39	1.2	86.3	12.6	2.74	1.5	10	O
MW-2A	156	3.7	0.0	18.0	177.7	2.56	0.10	0.000	0.37	3.04	3.4	84.2	12.3	6.05	0.4	5	O
MW-3	240	4.0	0.64	30	274.64	3.94	0.11	0.010	0.62	4.68	2.4	84.0	13.3	9.28	0.9	5	O
MW-4	204	3.8	0.0	13	220.8	3.35	0.11	0.000	0.27	3.72	2.9	89.9	7.3	7.50	0.7	5	O
MW-5A	240	3.9	0.0	22	265.9	3.94	0.11	0.000	0.46	4.50	2.4	87.4	10.2	8.78	2.6	5	O
MW-6	228	6.1	0.0	8.0	242.1	3.74	0.17	0.000	0.17	4.08	4.2	91.7	4.1	8.10	0.7	5	O
MW-7	240	3.4	0.0	4.1	247.5	3.94	0.10	0.000	0.09	4.12	2.3	95.6	2.1	8.12	1.4	5	O
MW-9	80.4	1.6	0.0	1.6	83.6	1.32	0.05	0.000	0.03	1.40	3.2	94.4	2.4	2.80	0.3	10	O
MW-10	144	6.9	3.0	6.3	160.2	2.36	0.19	0.048	0.13	2.74	7.1	86.3	4.8	5.51	0.7	5	O
LDCS-1	252	5.2	0.0	6.8	264	4.13	0.15	0.000	0.14	4.42	3.3	93.5	3.2	8.51	4.0	5	O
LDCS-2A	480	10.0	0.0	34	524	7.87	0.28	0.000	0.71	8.86	3.2	88.8	8.0	18.75	5.5	5	Exceeds
LDCS-2B	432	29	0.0	42	503	7.08	0.82	0.000	0.87	8.78	9.3	80.7	10.0	19.05	7.9	5	Exceeds
LDCS-3A	492	4.7	0.0	59	555.7	8.07	0.13	0.000	1.23	9.43	1.4	85.6	13.0	19.44	3.0	5	O
LDCS-4A	384	32	0.0	270	686	6.30	0.90	0.000	5.62	12.82	7.0	49.1	43.8	26.50	3.3	5	O
LDCS-4B	384	33	0.0	160	577	6.30	0.93	0.000	3.33	10.56	8.8	59.7	31.5	21.69	2.6	5	O
LDCS-5	288	33	0.0	59	380	4.72	0.93	0.000	1.23	6.88	13.5	68.6	17.8	14.29	3.7	5	O
LDCS-6	540	28	0.0	120	688	8.86	0.79	0.000	2.50	12.14	6.5	72.9	20.6	25.47	4.7	5	O
LDCS-7	432	7.1	0.0	24	463	7.08	0.20	0.000	0.50	7.78	2.6	91.0	6.4	16.10	3.3	5	O
LDCS-8	552	22	0.0	59	633	9.05	0.62	0.000	1.23	10.90	5.7	83.1	11.3	22.69	3.9	5	O
LDCS-9	480	6.2	0.0	47	533	7.87	0.17	0.000	0.98	9.02	1.9	87.2	10.8	19.01	5.1	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 2024 Monitoring Report
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	200	200	0.0
Ammonia	0.1	0.19	0.17	11.1
Chloride	0.2	3.4	3.3	3.0
Sulfate	0.2	4.1	3.5	15.8
Total Dissolved Solids	10	200	200	0.0
Total Organic Carbon	1	1	1	0.0
Dissolved Metals (mg/L)				
Calcium	0.2	32	32	0.0
Iron	0.1	0.21	0.22	4.7
Magnesium	0.1	22	22	0.0
Manganese	0.005	0.23	0.23	0.0
Potassium	2.0	5.2	5.2	0.0
Sodium	1.0	11	11	0.0
Total Metals (mg/L)				
Arsenic	0.005	0.0056	0.0056	0.0
Barium	0.005	0.015	0.015	0.0

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

Table 1. Groundwater Level Elevations
June 5-7 and 26, 2024
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
MW-1A	652.57	17.73	634.84
MW-2A	651.93	17.31	634.62
MW-3	637.41	5.74	631.67
MW-4	652.37	20.62	631.75
MW-5A	655.55	24.98	630.57
MW-6	635.71	7.67	628.04
MW-7	656.03	21.45	634.58
MW-9	701.77	8.41	693.36
MW-10	678.37	25.32	653.05
Piezometers			
GP-1P	652.00	13.70	638.30
GP-2P	658.61	14.99	643.62
GP-3P	658.51	9.30	649.21
GP-4P	662.01	10.58	651.43
GP-9P	674.03	12.51	661.52
GP-14P		13.09	--
GP-15P		15.87	--
GP-16P	689.51	19.90	669.61
GP-17P		7.26	--
P21-2		22.21	--
P22-1		27.88	--
P22-2		5.11	--
P22-3		10.46	--
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	29.09	628.17
LDCS-2A	659.24	29.38	629.86
LDCS-2B	661.70	28.20	633.50

Notes:

NM = not measured

-- = not applicable

All measurements taken on June 5-7, 2024

Table 2. Field Parameters
Second Quarter 2024
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Sampling Method	pH	Conductivity	Temperature
Units				(SU)	(µS/cm)	(°C)
WAC 173-200 Criteria				6.5-8.5	700[b]	—
Monitoring Wells						
MW-1A	304-060524-01	6/5/2024	DP	7.04	160	16.6
MW-2A	304-060524-02	6/5/2024	DP	7.12	318	14.0
MW-3	304-060524-03	6/5/2024	DP	7.01	383	11.3
MW-4	304-060524-04	6/5/2024	SP	7.34	311	14.5
MW-5A	304-060524-05	6/5/2024	DP	7.49	315	13.3
MW-6	304-060524-06	6/5/2024	DP	7.54	352	10.4
MW-7	304-060524-07	6/5/2024	DP	7.52	375	10.7
MW-9	304-060524-09	6/5/2024	DP	**6.42**	136	9.9
MW-10	304-060524-10	6/5/2024	DP	6.73	270	12.7
Leak Detection System						
LDCS-1	304-060624-12	6/6/2024	DB	6.41	729	28.2
LDCS-2A	304-060624-13	6/6/2024	DB	7.00	637	31.3
LDCS-2B	304-060624-14	6/6/2024	DB	6.82	1662	25.2
LDCS-3A	304-060624-15	6/6/2024	DP	6.25	1288	21.1
LDCS-4A	304-060724-16	6/7/2024	DP	6.35	1744	24.4
LDCS-4B	304-061324-17	6/13/2024	DP	6.52	1,112	21.2
LDCS-5	304-060624-18	6/6/2024	DP	6.09	551	26.3
LDCS-6	304-060624-19	6/6/2024	DP	6.25	1,057	26.6
LDCS-7	304-060624-20	6/6/2024	DP	6.14	1,015	23.6
LDCS-8	304-060624-21	6/6/2024	GB	6.25	1,034	28.3
LDCS-9	304-060624-22	6/6/2024	GB	6.02	792	18.8
Leachate Collection System						
Leachate, Cell 7	304-060524-23	6/5/2024	GB	7.73	21,713	31.3
Leachate, Cell 8	304-060524-24	6/5/2024	GB	7.45	16,430	32.5
Leachate, Cell 9	304-060624-25	6/6/2024	GB	6.63	7,281	20.3

Notes:

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

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
Second Quarter 2024
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	67	*	0.39	*	23	100	1.5	58
MW-2A	130	0.18	4	*	27	210	1.6	*
MW-3	160	0.13	4.1	*	33	230	1.9	*
MW-4	150	*	3.3	*	10	210	1.2	37
MW-5A	150	0.13	2.8	*	10	190	1.6	*
MW-6	170	0.13	5.9	*	7.9	220	1.8	*
MW-7	200	0.22	3.9	*	3	230	1.6	*
(BG) MW-9	63	*	1.7	*	1.7	120	*	*
(BG) MW-10	120	*	7	2.3	6.5	190	*	*
Leak Detection System								
LDCS-1	210	0.32	5.1	*	*	350	130	-
LDCS-2A	430	0.65	9.9	*	19	500	35	-
LDCS-2B	380	3.1	28	*	27	530	88	-
LDCS-3A	430	0.18	4.5	*	53	550	2.2	-
LDCS-4A	370	0.26	17	*	200	830	6.7	-
LDCS-4B	440	*	30	*	110	640	7.2	-
LDCS-5	220	0.14	12	*	41	320	12	-
LDCS-6	430	0.18	25	*	110	640	4.2	-
LDCS-7	380	0.16	5.5	*	33	500	7.4	-
LDCS-8	510	*	18	*	44	620	8	-
LDCS-9	380	*	5.9	*	42	490	3	-

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
Second Quarter 2024
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	–	*	–	*	–	0.034	–	*	–	*	–	*	–	0.0025	–	0.015	–	0.003	–	*	–	*	–	*	–	*	–	0.0079	–	0.028
	MW-2A	–	*	–	*	–	0.017	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*
	MW-3	–	*	–	*	–	0.014	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*
	MW-4	–	*	–	**0.013**	–	0.03	–	*	–	*	–	*	–	*	–	*	–	0.0036	–	*	–	*	–	*	–	*	–	*	–	0.041
	MW-5A	–	*	–	**0.0053**	–	0.01	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*
	MW-6	–	*	–	**0.0076**	–	0.013	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*
	MW-7	–	*	–	**0.0057**	–	0.016	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*
(BG)	MW-9	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	0.015	–	*
(BG)	MW-10	–	*	–	*	–	0.014	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	0.011
Leak Detection System																															
	LDCS-1	*	–	0.11	–	0.044	–	–	–	–	–	*	–	0.0012	–	*	–	*	–	*	–	–	–	–	–	–	–	0.014		0.012	–
	LDCS-2A	*	–	0.056	–	0.061	–	–	–	–	–	*	–	*	–	*	–	*	–	*	–	–	–	–	–	–	–	*		*	–
	LDCS-2B	*	–	0.31	–	0.13	–	–	–	–	–	*	–	0.0037	–	*	–	*	–	*	–	–	–	–	–	–	–	*		*	–
	LDCS-3A	*	–	0.014	–	0.019	–	–	–	–	–	*	–	0.0035	–	*	–	*	–	*	–	–	–	–	–	–	–	*		*	–
	LDCS-4A	*	–	0.0086	–	0.025	–	–	–	–	–	*	–	0.0018	–	0.012	–	*	–	*	–	–	–	–	–	–	–	*		*	–
	LDCS-4B	*	–	*	–	0.025	–	–	–	–	–	*	–	*	–	*	–	*	–	*	–	–	–	–	–	–	–	*		*	–
	LDCS-5	*	–	*	–	0.027	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*		*	–
	LDCS-6	*	–	0.018	–	0.059	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*		*	–
	LDCS-7	*	–	0.013	–	0.029	–	*	–	*	–	*	–	0.0022	–	*	–	*	–	*	–	*	–	*	–	*	–	*		*	–
	LDCS-8	*	–	0.0074	–	0.037	–	*	–	*	–	*	–	0.0018	–	*	–	*	–	*	–	*	–	*	–	*	–	*		*	–
	LDCS-9	*	–	*	–	0.033	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*	–	*		*	–

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)
Second Quarter 2024
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	29	*	1.9	0.01	*	2
MW-2A	29	**0.90**	14	**0.33**	3.7	17
MW-3	42	*	18	**0.33**	3.8	14
MW-4	31	*	16	**0.21**	5.4	13
MW-5A	26	*	11	**0.15**	3.9	30
MW-6	39	*	18	**0.23**	5	11
MW-7	36	0.26	24	**0.26**	5.3	12
(BG) MW-9	11	*	7.1	*	*	7.2
(BG) MW-10	28	*	12	*	2.1	13
Leak Detection System						
LDCS-1	38	70	16	1.4	4.7	17
LDCS-2A	110	23.0	41	3.3	9.5	30
LDCS-2B	100	110	41	1.4	6.4	18
LDCS-3A	100	0.43	45	4	6.4	23
LDCS-4A	180	2.40	48	1.5	4.1	33
LDCS-4B	120	0.10	67	1.7	5	26
LDCS-5	49	0.31	29	0.73	5.8	22
LDCS-6	94	2.70	74	2.4	6.8	24
LDCS-7	44	*	5.9	3.5	*	25
LDCS-8	94	0.57	77	2	4.9	26
LDCS-9	90	*	34	0.98	4.2	32

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)
Second Quarter 2024
LRI Landfill, Pierce County, Washington

Parameter	1,4-Dichlorobenzene	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Carbon disulfide	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
MRL	0.50	6.0	5.0	10.0	0.50	0.63	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	0.92	*	*	*	*	*	*	*	*	*
LDCS-2A	*	*	*	*	*	1.7	*	*	*	*
LDCS-2B	*	*	*	24	*	0.63	*	*	*	*
LDCS-3A	*	*	*	*	*	*	*	*	*	*
LDCS-4A	*	*	*	*	*	*	*	*	*	*
LDCS-4B	*	*	*	*	*	*	*	*	*	*
LDCS-5	*	*	*	*	*	*	*	*	*	*
LDCS-6	*	*	*	*	*	*	*	*	*	*
LDCS-7	*	*	*	*	2.4	*	*	*	*	*
LDCS-8	*	*	*	*	0.67	*	*	*	*	*
LDCS-9	*	*	*	*	*	*	*	*	*	*
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
Second Quarter 2024
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	29	1.9	2.0	1.7	34.6	1.45	0.16	0.05	0.07	1.72	6.9	84.0	9.1
MW-2A	29	14	3.7	17	63.7	1.45	1.15	0.08	0.74	3.42	24.0	42.3	33.7
MW-3	42	18	3.8	14	77.8	2.10	1.48	0.09	0.61	4.27	16.3	49.1	34.7
MW-4	31	16	5.4	13	65.4	1.55	1.32	0.12	0.57	3.55	19.4	43.6	37.1
MW-5A	26	11	3.9	30	70.9	1.30	0.91	0.09	1.31	3.60	38.7	36.1	25.2
MW-6	39	18	4.9	11.0	72.9	1.95	1.48	0.11	0.48	4.02	14.7	48.5	36.9
MW-7	36	24	5.3	12	77.3	1.80	1.98	0.12	0.52	4.41	14.5	40.7	44.8
MW-9	11	7.1	2.0	7.2	27.3	0.55	0.58	0.05	0.31	1.49	24.0	36.8	39.2
MW-10	28	12	2.1	13	55.1	1.40	0.99	0.05	0.57	3.00	20.4	46.6	32.9
LDCS-1	38	16	4.7	17	75.7	1.90	1.32	0.11	0.74	4.06	20.8	46.7	32.4
LDCS-2A	110	41	9.5	30	190.5	5.49	3.37	0.21	1.31	10.38	14.6	52.9	32.5
LDCS-2B	100	41	6.4	18	165.4	4.99	3.37	0.14	0.78	9.29	10.0	53.7	36.3
LDCS-3A	100	45	6.4	23	174.4	4.99	3.70	0.14	1.00	9.84	11.6	50.7	37.6
LDCS-4A	180	48	4.1	33	265.1	8.98	3.95	0.09	1.44	14.46	10.6	62.1	27.3
LDCS-4B	120	67	5.0	26	218	5.99	5.51	0.11	1.13	12.75	9.8	47.0	43.3
LDCS-5	49	29	5.8	22	105.8	2.45	2.39	0.13	0.96	5.92	18.4	41.3	40.3
LDCS-6	94	74	6.8	24	198.8	4.69	6.09	0.15	1.04	11.98	10.0	39.2	50.8
LDCS-7	44	6	2.0	25	76.9	2.20	0.49	0.05	1.09	3.81	29.7	57.6	12.7
LDCS-8	94	77	4.9	26	201.9	4.69	6.34	0.11	1.13	12.27	10.1	38.2	51.6
LDCS-9	90	34	4.2	32	160.2	4.49	2.80	0.09	1.39	8.78	16.9	51.2	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	80.4	0.4	0.0	23.0	103.79	1.32	0.01	0.000	0.48	1.81	0.6	72.9	26.5	3.53	2.4	10	O
MW-2A	156	4.0	0.0	27.0	187	2.56	0.11	0.000	0.56	3.23	3.5	79.1	17.4	6.66	2.8	5	O
MW-3	192	4.1	0.0	33	229.1	3.15	0.12	0.000	0.69	3.95	2.9	79.7	17.4	8.22	3.9	5	O
MW-4	180	3.3	0.0	10	193.3	2.95	0.09	0.000	0.21	3.25	2.9	90.7	6.4	6.80	4.4	5	O
MW-5A	180	2.8	0.0	10	192.8	2.95	0.08	0.000	0.21	3.24	2.4	91.1	6.4	6.83	5.2	5	Exceeds
MW-6	204	5.9	0.0	7.9	217.8	3.35	0.17	0.000	0.16	3.68	4.5	91.0	4.5	7.69	4.4	5	O
MW-7	240	3.9	0.0	3.0	246.9	3.94	0.11	0.000	0.06	4.11	2.7	95.8	1.5	8.52	3.6	5	O
MW-9	75.6	1.7	0.0	1.7	79	1.24	0.05	0.000	0.04	1.32	3.6	93.7	2.7	2.81	6.0	10	O
MW-10	144	7.0	2.3	6.5	159.8	2.36	0.20	0.037	0.14	2.73	7.2	86.5	5.0	5.73	4.7	5	O
LDCS-1	252	5.1	0.0	5	262.1	4.13	0.14	0.000	0.10	4.38	3.3	94.3	2.4	8.44	3.8	5	O
LDCS-2A	516	9.9	0.0	19	544.9	8.46	0.28	0.000	0.40	9.14	3.1	92.6	4.3	19.52	6.4	5	Exceeds
LDCS-2B	456	28	0.0	27	511	7.48	0.79	0.000	0.56	8.83	8.9	84.7	6.4	18.12	2.6	5	O
LDCS-3A	516	4.5	0.0	53	573.5	8.46	0.13	0.000	1.10	9.69	1.3	87.3	11.4	19.53	0.8	5	O
LDCS-4A	444	17	0.0	200	661	7.28	0.48	0.000	4.16	11.92	4.0	61.1	34.9	26.38	9.6	5	Exceeds
LDCS-4B	528	30	0.0	110	668	8.66	0.85	0.000	2.29	11.79	7.2	73.4	19.4	24.54	3.9	5	O
LDCS-5	264	12	0.0	41	317	4.33	0.34	0.000	0.85	5.52	6.1	78.4	15.4	11.44	3.5	5	O
LDCS-6	516	25	0.0	110	651	8.46	0.71	0.000	2.29	11.46	6.2	73.9	20.0	23.43	2.2	5	O
LDCS-7	456	5.5	0.0	33	495	7.48	0.16	0.000	0.69	8.32	1.9	89.9	8.3	12.13	37.1	5	Exceeds
LDCS-8	612	18	0.0	44	674	10.04	0.51	0.000	0.92	11.46	4.4	87.6	8.0	23.73	3.4	5	O
LDCS-9	456	5.9	0.0	42	504	7.48	0.17	0.000	0.87	8.52	2.0	87.8	10.3	17.29	1.5	5	O

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
Second Quarter 2024 Monitoring Report
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	200	200	0.0
Ammonia	0.1	0.22	0.21	4.7
Chloride	0.2	3.9	3.9	0.0
Sulfate	0.2	3	2.9	3.4
Total Dissolved Solids	10	230	230	0.0
Total Organic Carbon	1	1.6	1.5	6.5
Dissolved Metals (mg/L)				
Calcium	0.2	36	36	0.0
Iron	0.1	0.26	0.27	3.8
Magnesium	0.1	24	24	0.0
Manganese	0.005	0.26	0.26	0.0
Potassium	2.0	5.3	5.3	0.0
Sodium	1.0	12	12	0.0
Total Metals (mg/L)				
Arsenic	0.005	0.0057	0.0057	0.0
Barium	0.005	0.016	0.016	0.0

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

Table 1. Groundwater Level Elevations
September 24-27, 2024
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
MW-1A	652.57	21.20	631.37
MW-2A	651.93	20.34	631.59
MW-3	637.41	9.51	627.90
MW-4	652.37	23.90	628.47
MW-5A	655.55	26.78	628.77
MW-6	635.71	11.39	624.32
MW-7	656.03	26.47	629.56
MW-9	701.77	12.40	689.37
MW-10	678.37	29.89	648.48
Piezometers			
GP-1P	652.00	13.70	638.30
GP-2P	658.61	14.99	643.62
GP-3P	658.51	9.30	649.21
GP-4P	662.01	10.58	651.43
GP-9P	674.03	12.51	661.52
GP-14P		13.09	--
GP-15P		15.87	--
GP-16P	689.51	19.90	669.61
GP-17P		7.20	--
P21-2		21.11	--
P22-1		26.97	--
P22-2		4.86	--
P22-3		11.13	--
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	29.09	628.17
LDCS-2A	659.24	29.38	629.86
LDCS-2B	661.70	28.20	633.50

Notes:

NM = not measured

-- = not applicable

All measurements taken on March 19 & 20, 2024

Table 2. Field Parameters
Third Quarter 2024
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Sampling Method	pH	Conductivity	Temperature
Units				(SU)	(µS/cm)	(°C)
WAC 173-200 Criteria				6.5-8.5	700[b]	—
Monitoring Wells						
MW-1A	304-092524-01	9/25/2024	DP	7.04	176	16.6
MW-2A	304-092524-02	9/25/2024	DP	7.22	356	14.0
MW-3	304-092624-03	9/26/2024	DP	7.01	383	12.5
MW-4	304-092624-04	9/26/2024	SP	7.34	311	14.5
MW-5A	304-092524-05	9/25/2024	DP	7.49	315	13.3
MW-6	304-092624-06	9/26/2024	DP	7.54	352	11.5
MW-7	304-092624-07	9/26/2024	DP	7.52	375	11.6
MW-9	304-092524-09	9/25/2024	DP	6.73	270	12.7
MW-10	304-092524-10	9/25/2024	DP	8.36	8.1	21.1
Leak Detection System						
LDCS-1	304-092424-12	9/24/2024	DB	7.00	867	31.3
LDCS-2A	304-092424-13	9/24/2024	DB	6.82	1662	25.2
LDCS-2B	304-092424-14	9/24/2024	DB	6.25	1288	21.1
LDCS-3A	304-092424-15	9/24/2024	DP	6.35	1744	25.1
LDCS-4A	304-092424-16	9/24/2024	DP	6.67	1387	22.9
LDCS-4B	304-092424-17	9/24/2024	DP	6.33	855	26.3
LDCS-5	304-092524-18	9/25/2024	DP	6.50	1,070	26.6
LDCS-6	304-092524-19	9/25/2024	DP	6.65	1,015	23.7
LDCS-7	304-092424-20	9/24/2024	DP	6.41	1,034	28.3
LDCS-8	304-092524-22	9/25/2024	GB	6.48	823	19.6
LDCS-9	304-092524-23	9/25/2024	GB	7.87	21,713	33.3
Leachate Collection System						
Leachate, Cell 7	304-092624-23	9/26/2024	GB	7.71	16,430	32.5
Leachate, Cell 8	304-092624-24	9/26/2024	GB	9.01	7,281	20.7

Notes:

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

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
Third Quarter 2024
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	65	0.19	1.1	*	21	120	1.5	*
MW-2A	140	0.28	4.5	*	34	240	1.8	*
MW-3	140	0.1	4.2	*	36	240	2.7	*
MW-4	65	0.19	3.1	*	6.6	240	2.8	*
MW-5A	130	0.11	2.2	*	4	170	1.6	*
MW-6	170	0.13	5.5	*	7.7	250	3	*
MW-7	180	0.17	3.4	*	4.2	220	2.6	*
(BG) MW-9	63	*	1.6	*	1.7	130	1.1	*
(BG) MW-10	110	*	7	2.5	6.3	190	1.5	*
Leak Detection System								
LDCS-1	330	0.34	5.1	*	5	380	26	-
LDCS-2A	450	0.53	10	*	23	530	23	-
LDCS-2B	490	4.5	34	*	38	670	140	-
LDCS-3A	420	0.23	4.8	*	56	530	3	-
LDCS-4A	400	0.29	21	*	210	790	4.6	-
LDCS-4B	450	*	34	*	280	960	6.9	-
LDCS-5	360	0.31	24	*	61	510	11	-
LDCS-6	420	0.18	31	*	130	680	4.7	-
LDCS-7	370	0.22	5.7	*	11	460	45	-
LDCS-8	520	*	20	*	55	600	6.7	-
LDCS-9	390	*	5.7	*	41	490	2.6	-

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
Third Quarter 2024
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	—	*	—	*	—	0.016	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-2A	—	*	—	*	—	0.018	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-3	—	*	—	*	—	0.013	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-4	—	*	—	**0.011**	—	0.017	—	*	—	*	—	*	—	*	—	0.011	—	*	—	*	—	*	—	*	—	*	—	*	—	0.04
MW-5A	—	*	—	*	—	0.011	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-6	—	*	—	**0.0071**	—	0.013	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-7	—	*	—	**0.0051**	—	0.013	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
(BG) MW-9	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.016	—	*
(BG) MW-10	—	*	—	*	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.02
Leak Detection System																														
LDCS-1	*	—	0.21	—	0.13	—	—	—	—	—	0.0073	—	0.0023	—	*	—	*	—	*	—	—	—	—	—	—	—	0.038	—	0.1	—
LDCS-2A	*	—	0.19	—	0.18	—	—	—	—	—	0.033	—	0.041	—	0.24	—	0.012	—	0.048	—	—	—	—	—	—	—	0.076	—	0.36	—
LDCS-2B	*	—	9.6	—	2.6	—	—	—	—	—	0.042	—	0.092	—	2.9	—	0.093	—	0.17	—	—	—	—	—	—	—	0.62	—	0.84	—
LDCS-3A	*	—	0.02	—	0.022	—	—	—	—	—	*	—	0.003	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4A	*	—	0.013	—	0.044	—	—	—	—	—	*	—	0.0022	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4B	*	—	*	—	0.046	—	—	—	—	—	*	—	*	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-5	*	—	0.0063	—	0.046	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-6	*	—	0.005	—	0.052	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-7	*	—	0.014	—	0.029	—	*	—	*	—	*	—	0.0026	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-8	*	—	0.01	—	0.048	—	*	—	*	—	*	—	0.0015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-9	*	—	*	—	0.039	—	*	—	*	—	*	—	0.0017	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—

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)
Third Quarter 2024
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	23	*	6.1	0.16	3.10	8
MW-2A	36	**0.7**	16	**0.31**	5	20
MW-3	37	*	16	**0.22**	3.9	14
MW-4	29	*	6.1	**0.16**	5.9	7.9
MW-5A	31	*	13	**0.17**	4.1	14
MW-6	38	*	17	**0.21**	5.1	11
MW-7	30	0.25	21	**0.21**	5.9	13
(BG) MW-9	11	*	7.5	*	2.1	7.9
(BG) MW-10	26	*	12	*	2.3	13
Leak Detection System						
LDCS-1	70	120	31	6.8	6.6	20
LDCS-2A	110	60	40	14	9.9	28
LDCS-2B	180	1900	46	9.9	8.4	19
LDCS-3A	96	3.1	44	3.8	6.9	22
LDCS-4A	140	1.6	55	2.9	7.3	39
LDCS-4B	170	0.18	61	1.4	7.2	50
LDCS-5	84	0.43	51	1.4	8.4	32
LDCS-6	98	0.18	85	1.9	7.9	25
LDCS-7	79	1.1	32	3.6	4.8	24
LDCS-8	88	2.7	87	1.9	6.6	24
LDCS-9	99	*	39	0.86	5.8	38

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)
Third Quarter 2024
LRI Landfill, Pierce County, Washington

Parameter	1,4-Dichlorobenzene	2-Butanone (MEK)	4-Methyl-2-pentanone (MIBK)	Acetone	Benzene	Carbon disulfide	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
MRL	0.50	6.0	5.0	10.0	0.50	0.63	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	0.95	*	*	24	*	*	*	*	*	*
LDCS-2A	0.5	*	*	14	*	*	*	*	*	*
LDCS-2B	*	*	*	38	*	0.64	*	*	*	*
LDCS-3A	*	*	*	*	*	*	*	*	*	*
LDCS-4A	*	*	*	*	*	*	*	*	*	*
LDCS-4B	*	*	*	*	*	*	*	*	*	*
LDCS-5	*	*	*	*	*	*	*	*	*	*
LDCS-6	*	*	*	*	*	*	*	*	*	*
LDCS-7	*	*	*	*	1.7	*	*	*	*	*
LDCS-8	*	*	*	*	0.52	*	*	*	*	*
LDCS-9	*	*	*	*	*	*	*	*	*	*
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
Third Quarter 2024
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	23	6.1	3.1	7.9	40.1	1.15	0.50	0.07	0.34	2.06	20.0	55.6	24.3
MW-2A	36	16	5	20	77.0	1.80	1.32	0.11	0.87	4.10	24.0	43.9	32.1
MW-3	37	16	3.9	14	70.9	1.85	1.32	0.09	0.61	3.86	18.1	47.8	34.1
MW-4	29	14	5.9	14	62.9	1.45	1.15	0.13	0.61	3.34	22.2	43.3	34.5
MW-5A	31	13	4.1	14	62.1	1.55	1.07	0.09	0.61	3.32	21.1	46.6	32.2
MW-6	38	17	5.1	11	71.1	1.90	1.40	0.12	0.48	3.89	15.3	48.8	36.0
MW-7	30	21	5.9	13	69.9	1.50	1.73	0.13	0.57	3.92	17.8	38.1	44.0
MW-9	11	7.5	2.1	7.9	28.5	0.55	0.62	0.05	0.34	1.56	25.1	35.2	39.6
MW-10	26	12	2.3	13	53.3	1.30	0.99	0.05	0.57	2.90	21.3	44.7	34.0
LDCS-1	70	31	6.6	20	127.6	3.49	2.55	0.15	0.87	7.06	14.4	49.5	36.1
LDCS-2A	110	40	9.9	28	187.9	5.49	3.29	0.22	1.22	10.22	14.1	53.7	32.2
LDCS-2B	180	46	8.4	19	253.4	8.98	3.79	0.19	0.83	13.78	7.4	65.2	27.5
LDCS-3A	96	44	6.9	22	168.9	4.79	3.62	0.16	0.96	9.52	11.7	50.3	38.0
LDCS-4A	140	55	7.3	39	241.3	6.99	4.53	0.16	1.70	13.37	13.9	52.2	33.8
LDCS-4B	170	61	7.2	50	288.2	8.48	5.02	0.16	2.18	15.84	14.8	53.6	31.7
LDCS-5	79	32	4.8	24	139.8	3.94	2.63	0.11	1.04	7.73	14.9	51.0	34.1
LDCS-6	84	51	8.4	32	175.4	4.19	4.20	0.19	1.39	9.97	15.9	42.0	42.1
LDCS-7	98	85	7.9	25	215.9	4.89	7.00	0.18	1.09	13.15	9.6	37.2	53.2
LDCS-8	88	87	6.6	24	205.6	4.39	7.16	0.15	1.04	12.74	9.4	34.5	56.2
LDCS-9	99	39	5.8	38	181.8	4.94	3.21	0.13	1.65	9.93	18.0	49.7	32.3

Anions	mg/L					meq/L					% of Total			Total Ions (meq/L)	Cation - Anion Balance	Applicable Ratio (%)	Ratio Exceedance
	Alk	Cl	NO_3	SO_4	Total	Alk	Cl	NO_3	SO_4	Total	Cl	Alk	SO_4				
MW-1A	78	1.1	0.0	21.0	100.1	1.28	0.03	0.000	0.44	1.75	1.8	73.2	25.0	3.81	8.3	10	O
MW-2A	168	4.5	0.0	34	206.5	2.76	0.13	0.000	0.71	3.59	3.5	76.8	19.7	7.69	6.6	5	Exceeds
MW-3	168	4.2	0.0	36	208.2	2.76	0.12	0.000	0.75	3.62	3.3	76.1	20.7	7.48	3.2	5	O
MW-4	180	3.1	0.0	6.6	189.7	2.95	0.09	0.000	0.14	3.18	2.8	92.9	4.3	6.52	2.5	5	O
MW-5A	156	2.2	0.0	4	162.2	2.56	0.06	0.000	0.08	2.70	2.3	94.6	3.1	6.02	10.2	5	Exceeds
MW-6	204	5.5	0.0	7.7	217.2	3.35	0.16	0.000	0.16	3.66	4.2	91.4	4.4	7.55	3.0	5	O
MW-7	216	3.4	0.0	4.2	223.6	3.54	0.10	0.000	0.09	3.73	2.6	95.1	2.3	7.65	2.6	5	O
MW-9	75.6	1.6	0.0	1.7	78.9	1.24	0.05	0.000	0.04	1.32	3.4	93.9	2.7	2.88	8.2	10	O
MW-10	132	7	2.5	6.3	147.8	2.16	0.20	0.040	0.13	2.53	7.8	85.4	5.2	5.44	6.8	5	Exceeds
LDCS-1	396	5.1	0.0	5	406.1	6.49	0.14	0.000	0.10	6.74	2.1	96.3	1.5	13.81	2.3	5	O
LDCS-2A	540	10	0.0	23	573	8.86	0.28	0.000	0.48	9.62	2.9	92.1	5.0	19.84	3.1	5	O
LDCS-2B	588	34	0.0	38	660	9.64	0.96	0.000	0.79	11.39	8.4	84.6	6.9	25.18	9.5	5	Exceeds
LDCS-3A	504	4.8	0.0	56	564.8	8.27	0.14	0.000	1.16	9.57	1.4	86.4	12.2	19.09	0.2	5	O
LDCS-4A	480	21	0.0	210	711	7.87	0.59	0.000	4.37	12.83	4.6	61.3	34.0	26.21	2.1	5	O
LDCS-4B	540	34	0.0	280	854	8.86	0.96	0.000	5.82	15.64	6.1	56.6	37.2	31.48	0.6	5	O
LDCS-5	432	5.7	0.0	11	449	7.08	0.16	0.000	0.23	7.47	2.2	94.8	3.1	15.20	1.7	5	O
LDCS-6	504	24	0.0	61	589	8.27	0.68	0.000	1.27	10.21	6.6	80.9	12.4	20.18	1.2	5	O
LDCS-7	444	31	0.0	130	605	7.28	0.87	0.000	2.70	10.86	8.0	67.1	24.9	24.01	9.5	5	Exceeds
LDCS-8	624	20	0.0	55	699	10.23	0.56	0.000	1.14	11.94	4.7	85.7	9.6	24.69	3.3	5	O
LDCS-9	468	5.7	0.0	41	515	7.68	0.16	0.000	0.85	8.69	1.8	88.3	9.8	18.62	6.7	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
Third Quarter 2024 Monitoring Report
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	180	170	5.7
Ammonia	0.1	0.17	0.18	5.7
Chloride	0.2	3.4	3.2	6.1
Sulfate	0.2	4.2	4.2	0.0
Total Dissolved Solids	10	220	220	0.0
Total Organic Carbon	1	2.6	2.9	10.9
Dissolved Metals (mg/L)				
Calcium	0.2	30	31	3.3
Iron	0.1	0.25	0.22	12.8
Magnesium	0.1	21	21	0.0
Manganese	0.005	0.21	0.21	0.0
Potassium	2.0	5.9	5.9	0.0
Sodium	1.0	13	13	0.0
Total Metals (mg/L)				
Arsenic	0.005	0.0051	0.005 U	2.0
Barium	0.005	0.013	0.014	7.4

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

Table 1. Groundwater Level Elevations
December 10-12, 2024
LRI Landfill, Pierce County, Washington

Location	Well Casing Elevation (ft)	Depth to Water (ft)	Water Level Elevation (ft, NGVD29)
Wells			
W87-2A	664.01	NM	--
W87-4A	693.29	8.37	684.92
MW-1A	652.57	19.20	633.37
MW-2A	651.93	18.36	633.57
MW-3	637.41	7.35	630.06
MW-4	652.37	22.04	630.33
MW-5A	655.55	25.68	629.87
MW-6	635.71	7.95	627.76
MW-7	656.03	NM	--
MW-9	701.77	10.78	690.99
MW-10	678.37	31.53	646.84
Piezometers			
GP-1P	652.00	12.70	639.30
GP-2P	658.61	16.20	642.41
GP-3P	658.51	9.90	648.61
GP-4P	662.01	12.10	649.91
GP-9P	674.03	11.50	662.53
GP-14P	NS	14.00	--
GP-15P	NS	Dry	--
GP-16P	689.51	20.20	669.31
GP-17P	NS	6.70	--
P21-2	NS	22.08	--
P22-1	NS	29.82	--
P22-2	NS	5.81	--
P22-3	NS	Damaged	--
South Creek			
SWSC-1	632.68	NM	--
SWSC-2	629.98	NM	--
Leak Detection System			
LDCS-1	657.26	27.94	629.32
LDCS-2A	659.24	29.64	629.60
LDCS-2B	661.70	27.71	633.99

Notes:

NM = not measured

-- = not applicable

NS = Not surveyed

All measurements taken on December 10-12, 2024

Table 2. Field Parameters
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Sampling Method	pH	Conductivity	Temperature
Units				(SU)	(µS/cm)	(°C)
WAC 173-200 Criteria				6.5-8.5	700[b]	—
Monitoring Wells						
MW-1A	304-121024-01	12/10/2024	DP	6.98	168	12.9
MW-2A	304-121024-02	12/10/2024	DP	7.01	401	13.2
MW-3	304-121024-03	12/10/2024	DP	7.27	386	10.6
MW-4	304-121024-04	12/10/2024	SP	7.43	355	13.7
MW-5A	304-121024-05	12/10/2024	DP	7.38	328	12.1
MW-6	304-121124-06	12/11/2024	DP	7.29	385	10.6
MW-7	304-121124-07	12/11/2024	DP	7.34	336	10.8
MW-9	304-121124-09	12/11/2024	DP	6.67	130	9.9
MW-10	304-121024-10	12/10/2024	DP	6.34	303.0	11.7
Leak Detection System						
LDCS-1	304-121824-12	12/18/2024	DB	6.31	523	20.4
LDCS-2A	304-121824-13	12/18/2024	DB	6.96	906	21.0
LDCS-2B	304-121824-14	12/18/2024	DB	5.98	896	16.4
LDCS-3A	304-121124-15	12/11/2024	DP	6.10	981	19.3
LDCS-4A	304-121124-16	12/11/2024	DP	6.30	1168	24.2
LDCS-4B	304-121124-17	12/11/2024	DP	6.70	961	19.0
LDCS-5	304-121124-18	12/11/2024	DP	6.29	922	23.6
LDCS-6	304-121124-19	12/11/2024	DP	6.21	1,000	18.6
LDCS-7	304-121124-20	12/11/2024	DP	6.07	1,007	23.5
LDCS-8	304-121824-22	12/18/2024	PP	6.28	982	24.7
LDCS-9	304-121124-23	12/11/2024	PP	5.75	860	14.5
Leachate Collection System						
Leachate, Cell 1	304-122024-24	12/20/2024	GB	7.31	36,495	24.3
Leachate, Cell 2A	304-120624-25	12/6/2024	GB	8.07	25,882	8.0
Leachate, Cell 2B	304-120624-26	12/6/2024	GB	7.79	19,757	18.0
Leachate, Cell 3A	304-120624-27	12/6/2024	GB	7.66	19,957	18.0
Leachate, Cell 4A	304-122024-28	12/20/2024	GB	7.52	34,277	17.5
Leachate, Cell 4B	304-122024-29	12/20/2024	GB	7.58	32,773	25.0
Leachate, Cell 5	304-122024-30	12/20/2024	GB	7.82	30,342	25.1
Leachate, Cell 6	304-120624-31	12/6/2024	GB	8.08	32,919	33.4
Leachate, Cell 7	304-120624-32	12/6/2024	GB	7.98	20,677	29.3
Leachate, Cell 8	304-120624-33	12/6/2024	PP	7.94	32,386	23.0
Leachate, Cell 9	304-120624-34	12/6/2024	GB	7.63	19,481	20.2

Notes:

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

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
Fourth Quarter 2024
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	46	*	0.37	*	22	97	1.2	24
MW-2A	140	0.26	4.4	*	35	250	1.7	*
MW-3	140	0.11	4.1	*	34	220	1.6	*
MW-4	140	*	3.3	*	8.8	220	2.1	500
MW-5A	130	0.14	2.2	*	3.6	170	1.4	*
MW-6	180	0.12	6.1	*	8.3	220	1.8	*
MW-7	160	0.19	3	*	4.9	200	1.3	*
(BG) MW-9	67	*	1.6	*	1.8	120	*	*
(BG) MW-10	100	*	6.5	2.4	6.1	180	1.2	*
Leak Detection System								
LDCS-1	200	0.35	10	*	5.1	250	71	-
LDCS-2A	420	0.19	14	*	16	500	6.7	-
LDCS-2B	330	2.8	31	*	36	450	89	-
LDCS-3A	380	0.23	*	*	44	470	3.4	-
LDCS-4A	340	0.17	16	*	150	580	6.6	-
LDCS-4B	330	*	17	*	56	460	8	-
LDCS-5	280	0.24	19	*	81	480	23	-
LDCS-6	410	0.15	17	*	80	590	4.9	-
LDCS-7	260	*	5.5	*	130	480	6.2	-
LDCS-8	440	*	14	*	38	550	6.3	-
LDCS-9	400	*	5.3	*	24	460	2.6	-
Leachate Collection System								
Leachate, Cell 1	9100	1900	8100	11	*	18000	1800	-
Leachate, Cell 2A	9900	1600	4100	*	56	13000	1100	-
Leachate, Cell 2B	7300	1400	2800	*	11	9000	1700	-
Leachate, Cell 3A	8200	1500	2600	1.7	*	10000	1300	-
Leachate, Cell 4A	11000	2300	4900	23	*	15000	1700	-
Leachate, Cell 4B	12000	2400	5000	25	6	17000	1900	-
Leachate, Cell 5	12000	2300	3600	7.9	17	15000	2000	-
Leachate, Cell 6	15000	3800	4200	*	59	18000	4400	-
Leachate, Cell 7	11000	2300	2900	*	*	12000	2100	-
Leachate, Cell 8	9600	2700	2300	*	9	9300	2000	-
Leachate, Cell 9	8100	1900	2100	*	*	9000	1300	-

Notes:

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

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

Analyses performed by Eurofins TestAmerica of Denver, Colorado

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

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

— = 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
Fourth Quarter 2024
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	—	*	—	*	—	0.015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-2A	—	*	—	*	—	0.018	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-3	—	*	—	*	—	0.013	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-4	—	*	—	**0.017**	—	0.086	—	*	—	*	—	0.015	—	0.0058	—	0.058	—	0.024	—	*	—	*	—	*	—	*	—	0.029	—	0.21
MW-5A	—	*	—	*	—	0.011	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-6	—	*	—	**0.0076**	—	0.018	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
MW-7	—	*	—	**0.0058**	—	0.016	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*
(BG) MW-9	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.016	—	*
(BG) MW-10	—	*	—	*	—	0.017	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.012
Leak Detection System																														
LDCS-1	*	—	*	—	0.0082	—	—	—	—	—	*	—	*	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-2A	*	—	*	—	0.031	—	—	—	—	—	*	—	0.0028	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-2B	*	—	0.029	—	0.051	—	—	—	—	—	*	—	0.0042	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-3A	*	—	0.02	—	0.02	—	—	—	—	—	*	—	0.004	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4A	*	—	0.0062	—	0.028	—	—	—	—	—	*	—	0.001	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-4B	*	—	*	—	0.018	—	—	—	—	—	*	—	*	—	*	—	*	—	*	—	—	—	—	—	—	—	*	—	*	—
LDCS-5	*	—	*	—	0.054	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	0.0099	—	*	—
LDCS-6	*	—	0.015	—	0.049	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-7	*	—	0.0069	—	0.028	—	*	—	*	—	*	—	0.0014	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-8	*	—	0.0063	—	0.036	—	*	—	*	—	*	—	0.0015	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
LDCS-9	*	—	*	—	0.04	—	*	—	*	—	*	—	0.0025	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—	*	—
Leachate Collection System																														
Leachate, Cell 1	—	*	—	0.12	—	1.6	—	*	—	0.0013	—	0.46	—	0.043	—	0.011	—	0.009	—	0.88	—	*	—	0.001	—	*	—	0.26	—	0.030
Leachate, Cell 2A	—	*	—	0.1	—	1.1	—	*	—	*	—	0.47	—	0.053	—	0.023	—	0.016	—	0.77	—	*	—	*	—	*	—	0.32	—	0.091
Leachate, Cell 2B	—	0.061	—	0.14	—	0.85	—	*	—	*	—	0.41	—	0.033	—	0.038	—	0.016	—	0.46	—	*	—	*	—	*	—	0.29	—	0.047
Leachate, Cell 3	—	*	—	0.074	—	1	—	*	—	*	—	0.48	—	0.042	—	0.019	—	0.017	—	0.39	—	*	—	*	—	*	—	0.22	—	0.074
Leachate, Cell 4A	—	0.061	—	0.16	—	1	—	*	—	0.0011	—	0.56	—	0.044	—	0.031	—	0.014	—	0.44	—	*	—	*	—	*	—	0.16	—	0.069
Leachate, Cell 4B	—	*	—	0.1	—	1.2	—	*	—	0.0012	—	0.59	—	0.038	—	0.06	—	0.015	—	0.58	—	*	—	*	—	*	—	0.1	—	0.063
Leachate, Cell 5	—	0.072	—	0.21	—	0.94	—	*	—	*	—	0.66	—	0.055	—	0.067	—	0.014	—	0.6	—	*	—	*	—	*	—	0.12	—	0.1
Leachate, Cell 6	—	*	—	0.22	—	0.65	—	*	—	*	—	0.78	—	0.04	—	0.07	—	0.023	—	0.32	—	*	—	*	—	*	—	0.06	—	0.18
Leachate, Cell 7	—	0.068	—	0.56	—	0.98	—	*	—	*	—	1	—	0.04	—	0.26	—	0.074	—	0.34	—	*	—	*	—	*	—	0.23	—	0.41
Leachate, Cell 8	—	*	—	0.19	—	1.3	—	*	—	*	—	0.77	—	0.044	—	0.085	—	0.021	—	0.61	—	*	—	*	—	*	—	0.12	—	0.11
Leachate, Cell 9	—	*	—	0.05	—	0.6	—	*	—	0.0014	—	0.47	—	0.05	—	0.24	—	0.13	—	0.48	—	*	—	*	—	*	—	0.088	—	0.77

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

Table 5. WAC 173-351 Appendix II Metals (Dissolved)
Fourth Quarter 2024
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	25	*	1.6	*	*	2
MW-2A	37	**1.1**	16	**0.36**	4.8	19
MW-3	39	*	17	**0.3**	3.9	14
MW-4	32	*	15	0.0078	6	15
MW-5A	31	*	13	**0.18**	3.9	12
MW-6	45	*	20	**0.28**	5.5	12
MW-7	32	0.23	21	**0.24**	5.3	12
(BG) MW-9	11	*	7.1	*	2.1	7.6
(BG) MW-10	26	*	11	*	2.2	13
Leak Detection System						
LDCS-1	39	0.28	19	0.87	5.1	18
LDCS-2A	100	*	41	8.4	9.9	30
LDCS-2B	82	14	39	1.3	6.1	18
LDCS-3A	100	5	41	4.3	5.8	22
LDCS-4A	120	0.84	38	1.3	5.2	37
LDCS-4B	92	*	48	0.055	4.6	20
LDCS-5	69	0.52	36	1.2	7.6	49
LDCS-6	96	1.2	66	1.7	7.2	26
LDCS-7	100	1	34	1.8	3.8	18
LDCS-8	86	*	70	1.9	5.3	24
LDCS-9	94	*	36	1.4	5.9	39
Leachate Collection System**						
Leachate, Cell 1	34	13.0	92	0.25	1000	5700
Leachate, Cell 2A	27	7.5	44	0.17	760	4200
Leachate, Cell 2B	27	5.7	43	0.13	560	2800
Leachate, Cell 3	54	13.0	56	0.56	640	3100
Leachate, Cell 4A	35	9.1	73	0.24	1300	4800
Leachate, Cell 4B	32	8.1	110	0.23	1400	5200
Leachate, Cell 5	36	6.0	78	0.19	1300	4700
Leachate, Cell 6	66	13.0	140	0.37	1400	4800
Leachate, Cell 7	64	1.8	88	1.00	900	3300
Leachate, Cell 8	45	9.8	110	0.32	1500	6000
Leachate, Cell 9	110	8.2	130	1.20	690	2000

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

Table 6. Volatile Organic Compounds (µg/L)
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

Parameter	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	1,2-Dichloroethane	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Acrylonitrile	Benzene	Carbon disulfide	Chlorobenzene	cis-1,2-Dichloroethene	Ethylbenzene	m-Xylene & p-Xylene	o-Xylene	Styrene	Toluene	trans-1,4-Dichloro-2-butene	Vinyl acetate
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MRL				0.50	6.0		5.0	10.0		0.50	0.63			1.0	0.50	0.50		0.50		
WAC 173-200 Criteria	—	—	0.5	4.0	—	—	—	—	0.07	1.0	—	—	—	—	—	—	—	—	—	—
Monitoring Wells																				
MW-1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MW-7	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
(BG) MW-9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
(BG) MW-10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leak Detection System																				
LDCS-1	*	*	*	1.2	*	*	*	20	*	*	*	*	*	*	20	*	*	*	*	*
LDCS-2A	*	*	*	0.51	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-2B	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-3A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-4A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-4B	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-7	*	*	*	*	*	*	*	*	*	0.64	*	*	*	*	*	*	*	*	*	*
LDCS-8	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LDCS-9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Leachate Collection System																				
Leachate, Cell 1	*	*	*	11	5500	*	180	6800	*	15	8	*	*	37	62	31	*	29	*	*
Leachate, Cell 2A	*	*	*	4.3	54	*	*	*	*	1.9	*	*	*	4.5	16	9.3	*	10	*	*
Leachate, Cell 2B	2	12	6.7	6.8	6900	200	670	8600	*	8.5	*	1.3	2.6	28	44	26	5	42	3.5	170
Leachate, Cell 3	*	*	*	12	*	*	*	*	*	9.6	*	1.5	*	36	56	28	4.1	20	*	*
Leachate, Cell 4A	*	*	*	9.7	4100	*	110	5800	*	21.00	7	*	*	36	57	29	*	60	*	*
Leachate, Cell 4B	*	*	*	5.4	2100	*	50	6600	15	12.00	1.5	*	2	21	33	19	1.5	42	*	*
Leachate, Cell 5	*	*	*	*	10000	96	320	16000	*	12.00	2.1	*	*	9.7	10	7	2.1	19	*	*
Leachate, Cell 6	*	*	*	*	3700	58	72	10000	*	3.40	5	*	*	5.6	7.3	5.9	*	11	*	*
Leachate, Cell 7	*	*	*	*	350	89	14	600	*	4.6	3.8	*	*	16	27	17	1.8	40	*	*
Leachate, Cell 8	*	*	*	*	89	*	29	160	*	5.6	11	*	*	21	32	20	1.6	24	*	*
Leachate, Cell 9	*	*	*	*	220	*	89	*	*	10.00	*	*	*	20	40	20	7	120	*	*
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
Fourth Quarter 2024
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	25.0	1.6	2.0	1.7	30.3	1.25	0.13	0.05	0.07	1.50	7.9	83.3	8.8
MW-2A	37.0	16.0	4.8	19.0	76.8	1.85	1.32	0.11	0.83	4.10	22.8	45.1	32.1
MW-3	39.0	17.0	3.9	14.0	73.9	1.95	1.40	0.09	0.61	4.04	17.2	48.1	34.6
MW-4	32.0	15.0	6.0	15.0	68	1.60	1.23	0.14	0.65	3.62	21.8	44.1	34.1
MW-5A	31.0	13.0	3.9	12.0	59.9	1.55	1.07	0.09	0.52	3.23	18.9	47.9	33.2
MW-6	45.0	20.0	5.5	12.0	82.5	2.25	1.65	0.12	0.52	4.54	14.2	49.5	36.3
MW-7	32.0	21.0	5.3	12.0	70.3	1.60	1.73	0.12	0.52	3.97	16.2	40.3	43.6
MW-9	11.0	7.1	2.1	7.6	27.8	0.55	0.58	0.05	0.33	1.51	25.0	36.3	38.7
MW-10	26.0	11.0	2.2	13.0	52.2	1.30	0.91	0.05	0.57	2.82	21.8	46.0	32.1
LDCS-1	39.0	19.0	5.1	18.0	81.1	1.95	1.56	0.12	0.78	4.41	20.4	44.1	35.5
LDCS-2A	100.0	41.0	9.9	30.0	180.9	4.99	3.37	0.22	1.31	9.89	15.5	50.4	34.1
LDCS-2B	82.0	39.0	6.1	18.0	145.1	4.09	3.21	0.14	0.78	8.22	11.2	49.8	39.0
LDCS-3A	100.0	41.0	5.8	22.0	168.8	4.99	3.37	0.13	0.96	9.45	11.5	52.8	35.7
LDCS-4A	120.0	38.0	5.2	37.0	200.2	5.99	3.13	0.12	1.61	10.84	15.9	55.2	28.8
LDCS-4B	92.0	48.0	4.6	20.0	164.6	4.59	3.95	0.10	0.87	9.52	10.2	48.2	41.5
LDCS-5	69.0	36.0	7.6	49.0	161.6	3.44	2.96	0.17	2.13	8.71	26.4	39.5	34.0
LDCS-6	96.0	66.0	7.2	26.0	195.2	4.79	5.43	0.16	1.13	11.52	11.2	41.6	47.2
LDCS-7	100.0	34.0	3.8	18.0	155.8	4.99	2.80	0.09	0.78	8.66	10.0	57.6	32.3
LDCS-8	86.0	70.0	5.3	24.0	185.3	4.29	5.76	0.12	1.04	11.22	10.4	38.3	51.4
LDCS-9	94.0	36.0	5.9	39.0	174.9	4.69	2.96	0.13	1.70	9.48	19.3	49.5	31.2
Leachate, Cell 1	34	92	1000	5700	6826.0	1.70	7.57	22.58	247.95	279.80	96.7	0.6	2.7
Leachate, Cell 2A	27	44	760	4200	5031.0	1.35	3.62	17.16	182.70	204.83	97.6	0.7	1.8
Leachate, Cell 2B	27	43	560	2800	3430.0	1.35	3.54	12.64	121.80	139.33	96.5	1.0	2.5
Leachate, Cell 3A	54	56	640	3100	3850.0	2.69	4.61	14.45	134.85	156.60	95.3	1.7	2.9
Leachate, Cell 4A	35	73	1300	4800	6208.0	1.75	6.01	29.35	208.80	245.91	96.8	0.7	2.4
Leachate, Cell 4B	32	110	1400	5200	6742.0	1.60	9.05	31.61	226.20	268.46	96.0	0.6	3.4
Leachate, Cell 5	36	78	1300	4700	6114.0	1.80	6.42	29.35	204.45	242.02	96.6	0.7	2.7
Leachate, Cell 6	66	140	1400	4800	6406.0	3.29	11.52	31.61	208.80	255.23	94.2	1.3	4.5
Leachate, Cell 7	64	88	900	3300	4352.0	3.19	7.24	20.32	143.55	174.31	94.0	1.8	4.2
Leachate, Cell 8	45	110	1500	6000	7655.0	2.25	9.05	33.87	261.00	306.17	96.3	0.7	3.0
Leachate, Cell 9	110	130	690	2000	2,930	5.49	10.70	15.58	87.00	118.77	86.4	4.6	9.0

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	55.2	0.37	0.50	22	78.07	0.91	0.01	0.008	0.46	1.38	0.8	65.5	33.1	2.88	4.1	10	O
MW-2A	168	4.4	0.50	35	207.9	2.76	0.12	0.008	0.73	3.62	3.4	76.2	20.1	7.71	6.3	5	Exceeds
MW-3	168	4.1	0.50	34	206.6	2.76	0.12	0.008	0.71	3.59	3.2	76.8	19.7	7.63	6.0	5	Exceeds
MW-4	168	3.3	0.50	8.8	180.6	2.76	0.09	0.008	0.18	3.04	3.1	90.7	6.0	6.66	8.7	5	Exceeds
MW-5A	156	2.2	0.50	3.6	162.3	2.56	0.06	0.008	0.07	2.70	2.3	94.6	2.8	5.93	8.8	5	Exceeds
MW-6	216	6.1	0.50	8.3	230.9	3.54	0.17	0.008	0.17	3.90	4.4	90.9	4.4	8.43	7.6	5	Exceeds
MW-7	192	3.0	0.50	4.9	200.4	3.15	0.08	0.008	0.10	3.34	2.5	94.2	3.0	7.31	8.5	5	Exceeds
MW-9	80.4	1.6	0.50	1.8	84.3	1.32	0.05	0.008	0.04	1.41	3.2	93.6	2.7	2.92	3.5	10	O
MW-10	120	6.5	2.4	6.1	135	1.97	0.18	0.039	0.13	2.32	7.9	84.9	5.5	5.13	9.8	5	Exceeds
LDCS-1	240	10	0.50	5.1	255.6	3.94	0.28	0.008	0.11	4.33	6.5	90.9	2.4	8.74	0.9	5	O
LDCS-2A	504	14	0.50	16	534.5	8.27	0.39	0.008	0.33	9.00	4.4	91.8	3.7	18.89	4.7	5	O
LDCS-2B	396	31	0.50	36	463.5	6.49	0.87	0.008	0.75	8.13	10.8	79.9	9.2	16.35	0.6	5	O
LDCS-3A	456	3	0.50	44	503.5	7.48	0.08	0.008	0.92	8.49	1.0	88.1	10.8	17.94	5.4	5	Exceeds
LDCS-4A	408	16	0.50	150	575	6.69	0.45	0.008	3.12	10.27	4.4	65.2	30.4	21.11	2.7	5	O
LDCS-4B	396	17	0.50	56	470	6.49	0.48	0.008	1.16	8.15	5.9	79.7	14.3	17.66	7.7	5	Exceeds
LDCS-5	336	19	0.50	81	437	5.51	0.54	0.008	1.68	7.74	6.9	71.2	21.8	16.45	5.9	5	Exceeds
LDCS-6	492	17	0.50	80	590	8.07	0.48	0.008	1.66	10.22	4.7	78.9	16.3	21.74	6.0	5	Exceeds
LDCS-7	312	5.5	0.50	130	448	5.12	0.16	0.008	2.70	7.98	1.9	64.1	33.9	16.64	4.0	5	O
LDCS-8	528	14	0.50	38	581	8.66	0.39	0.008	0.79	9.85	4.0	87.9	8.0	21.07	6.5	5	Exceeds
LDCS-9	480	5.3	0.50	24	510	7.87	0.15	0.008	0.50	8.53	1.8	92.3	5.9	18.01	5.3	5	Exceeds
Leachate, Cell 1	10920	8100	11.00	5	19036	179.09	228.42	0.177	0.10	407.79	56.0	43.9	0.0	687.59	18.6	5	Exceeds
Leachate, Cell 2A	11880	4100	0.50	56	16037	194.83	115.62	0.008	1.16	311.62	37.1	62.5	0.4	516.45	20.7	5	Exceeds
Leachate, Cell 2B	8760	2800	0.50	11	11572	143.66	78.96	0.008	0.23	222.86	35.4	64.5	0.1	362.19	23.1	5	Exceeds
Leachate, Cell 3A	9840	2600	1.70	5	12447	161.38	73.32	0.027	0.10	234.83	31.2	68.7	0.0	391.43	20.0	5	Exceeds
Leachate, Cell 4A	13200	4900	23.00	5	18128	216.48	138.18	0.370	0.10	355.13	38.9	61.0	0.0	601.04	18.2	5	Exceeds
Leachate, Cell 4B	14400	5000	25.00	6.4	19431	236.16	141.00	0.403	0.13	377.70	37.3	62.5	0.0	646.16	16.9	5	Exceeds
Leachate, Cell 5	14400	3600	7.90	17	18025	236.16	101.52	0.127	0.35	338.16	30.0	69.8	0.1	580.18	16.6	5	Exceeds
Leachate, Cell 6	18000	4200.0	0.50	59	22260	295.20	118.44	0.008	1.23	414.88	28.5	71.2	0.3	670.10	23.8	5	Exceeds
Leachate, Cell 7	13200	2900	0.50	5	16106	216.48	81.78	0.008	0.10	298.37	27.4	72.6	0.0	472.68	26.2	5	Exceeds
Leachate, Cell 8	11520	2300	0.50	9.4	13830	188.93	64.86	0.008	0.20	253.99	25.5	74.4	0.1	560.16	9.3	5	Exceeds
Leachate, Cell 9	9720	2100	0.50	5	11,826	159.41	59.22	0.008	0.10	218.74	27.1	72.9	0.0	337.51	29.6	5	Exceeds

Table 8. Duplicate Sample Results
Fourth Quarter 2024 Monitoring Report
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	160.0	170.0	6.06
Ammonia	0.1	0.2	0.2	0.0
Chloride	0.2	3	2.9	3.39
Sulfate	0.2	4.9	4.9	0.0
Total Dissolved Solids	10	200	190	5.13
Total Organic Carbon	1	1.3	1.4	7.41
Dissolved Metals (mg/L)				
Calcium	0.2	32	32	0.0
Iron	0.1	0.23	0.24	4.26
Magnesium	0.1	21	21	0.0
Manganese	0.005	0.24	0.24	0.0
Potassium	2.0	5.3	5.5	3.70
Sodium	1.0	12	12	0.0
Total Metals (mg/L)				
Arsenic	0.005	0.0058	0.0062	6.67
Barium	0.005	0.016	0.015	6.45

Notes:

Analyses performed by Eurofins TestAmerica of Denver, Colorado

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

RPD = relative percent difference

µg/L = micrograms per liter

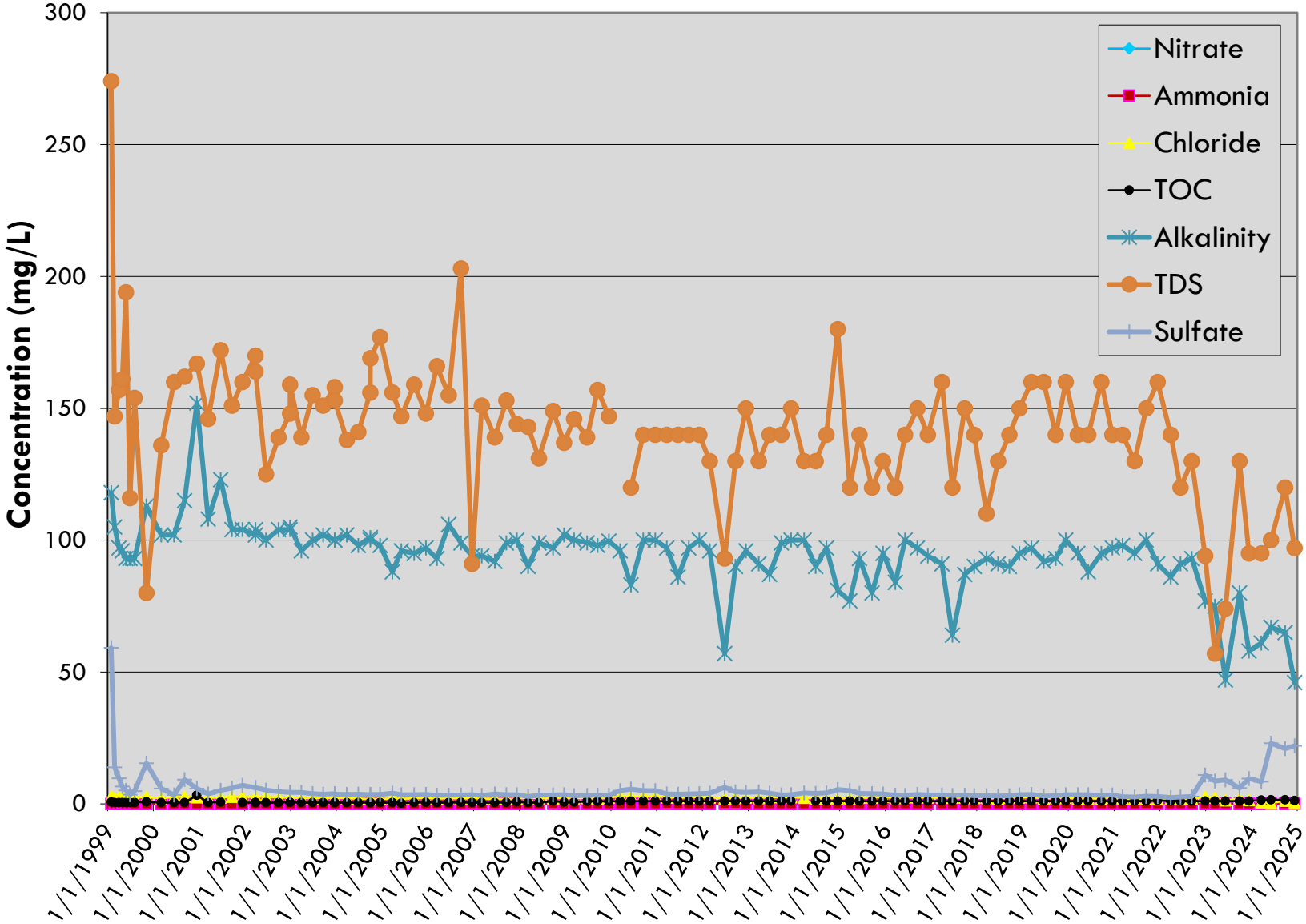
mg/L = milligrams per liter

U= parameter was not detected in sample

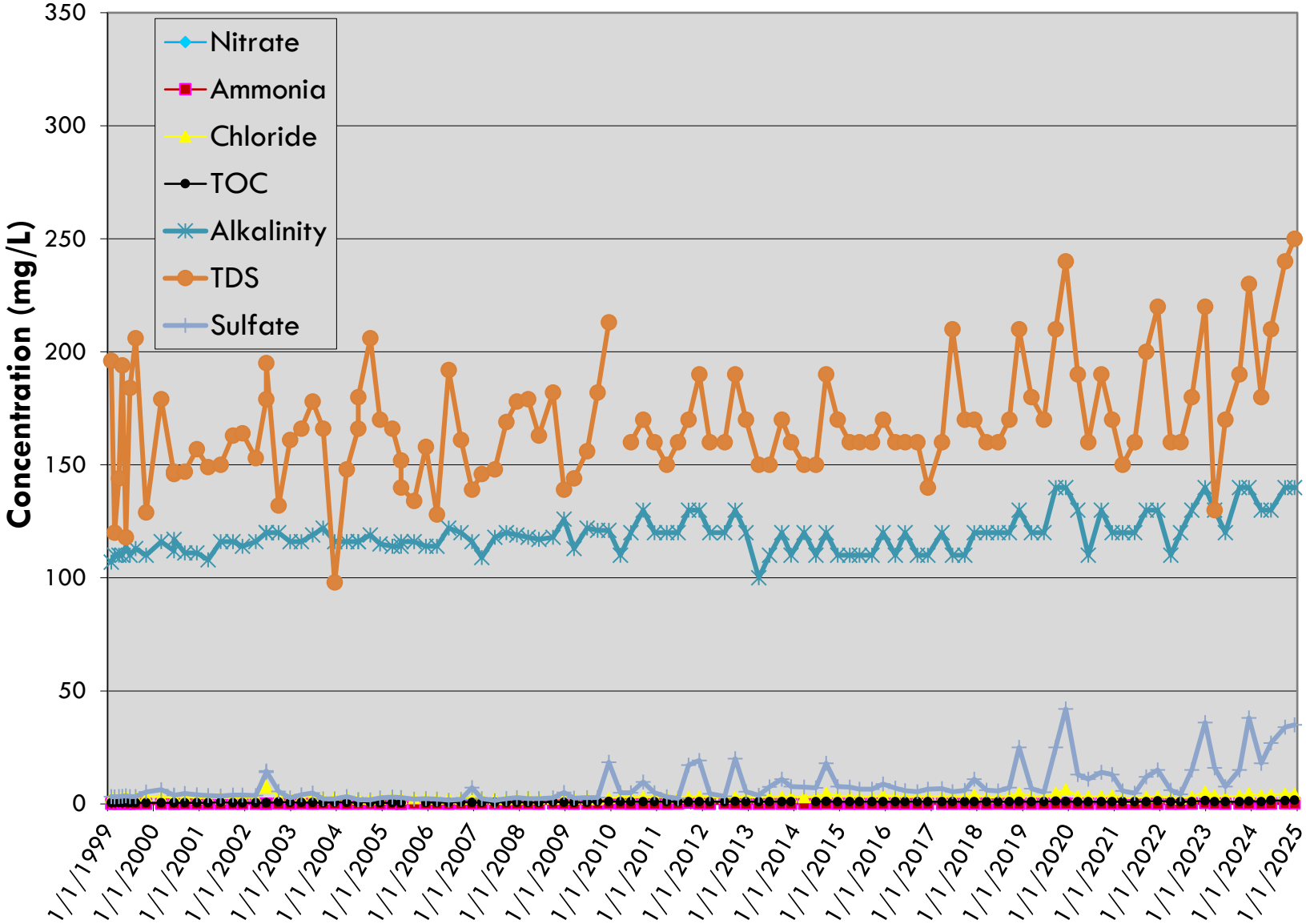
* = sample result was not reported at or above the MRL

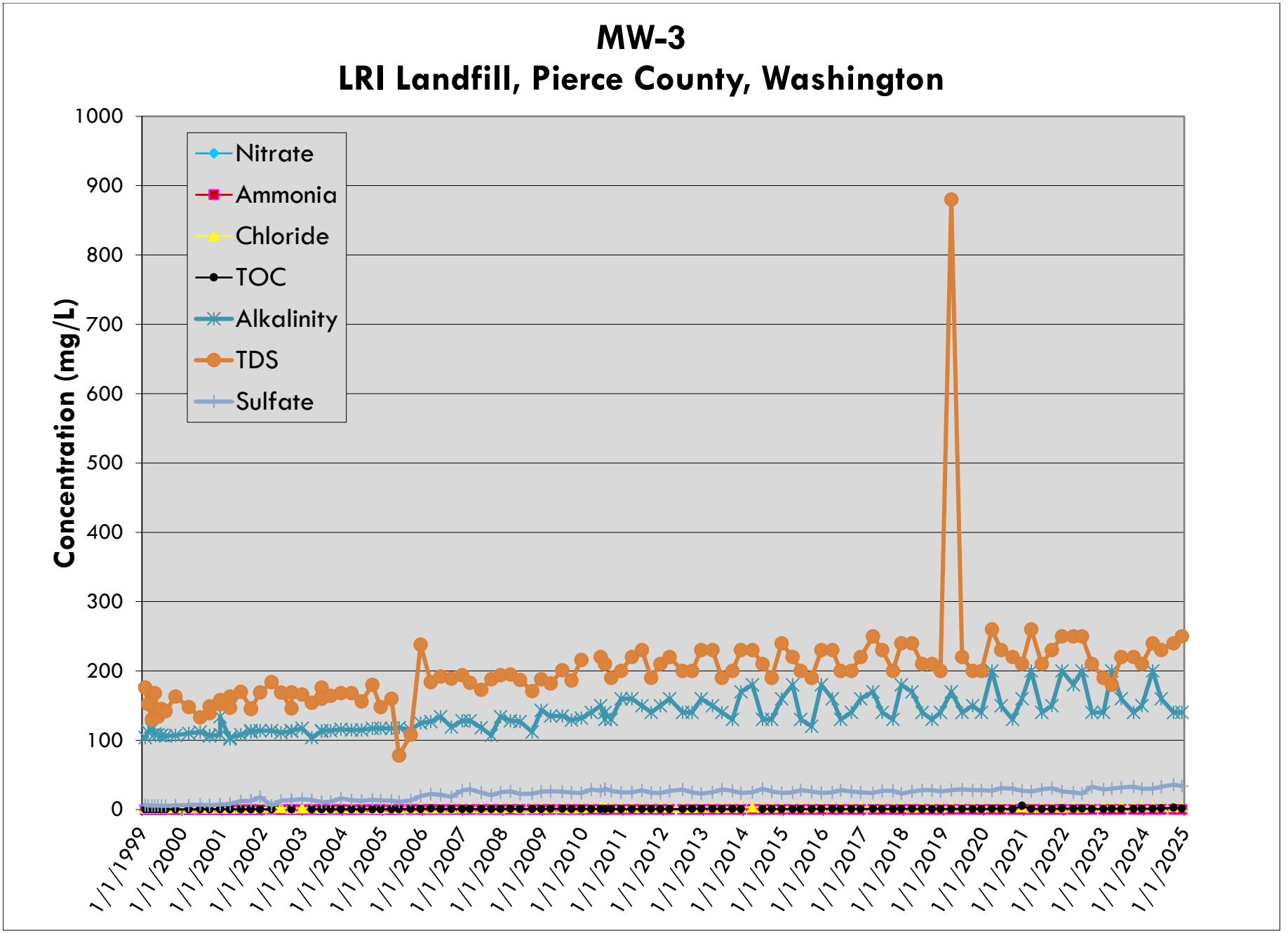
The MRL was used to calculate the RPD for analytes where one sample was non-detect

MW-1A
LRI Landfill, Pierce County, Washington

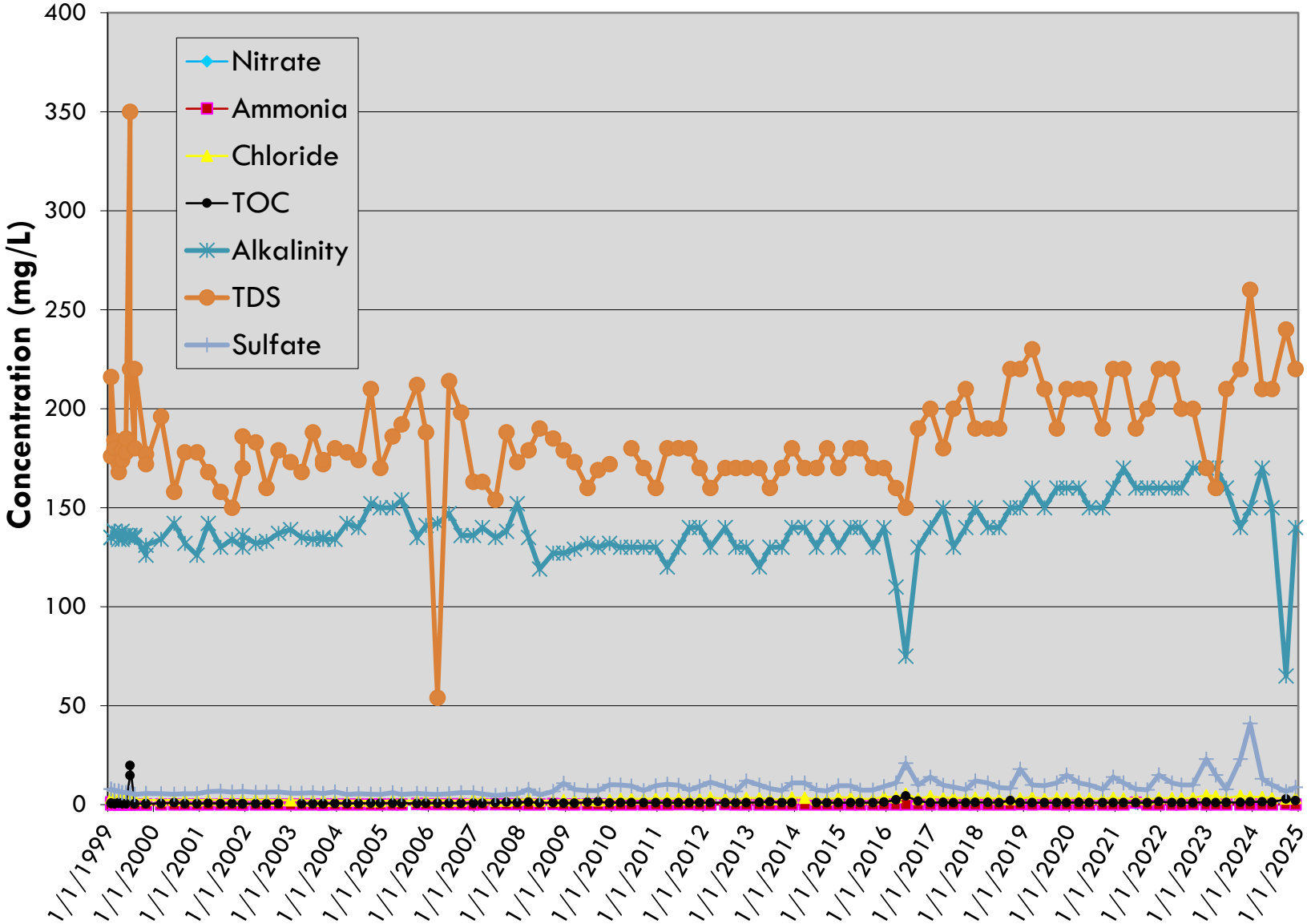


MW-2A
LRI Landfill, Pierce County, Washington

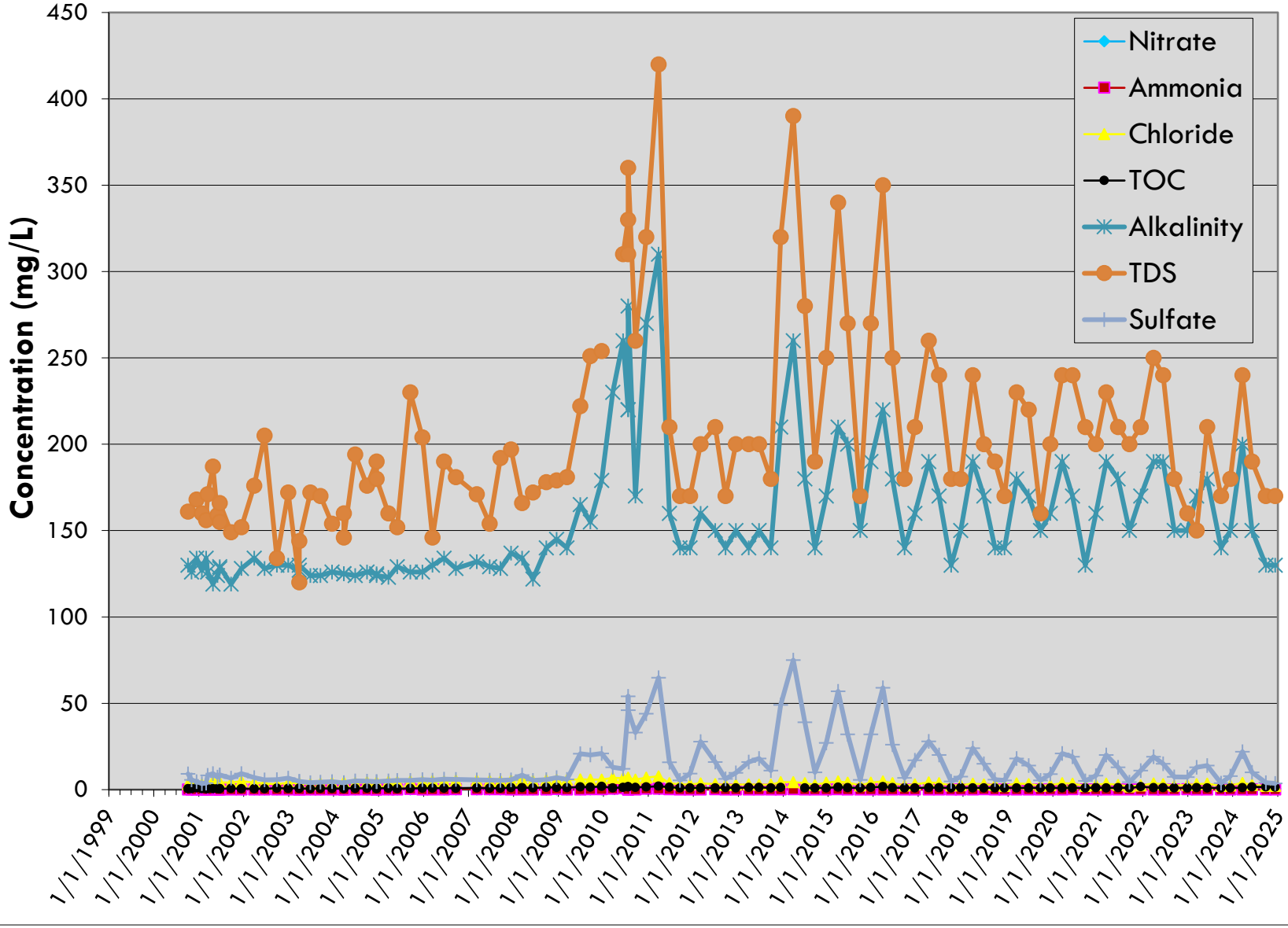



MW-3
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
1000
900
800
700
600
500
400
300
200
100
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
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

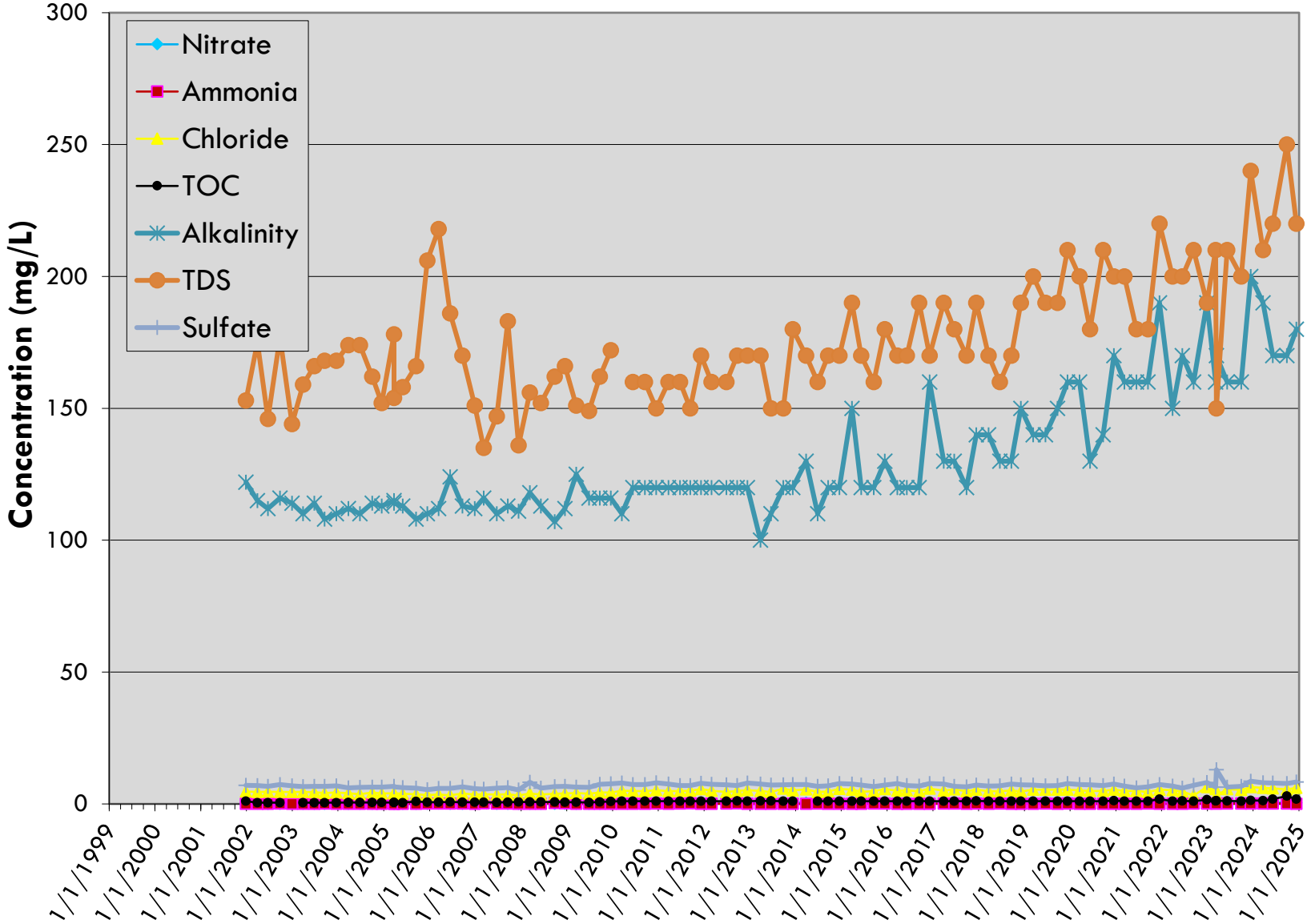
MW-4
LRI Landfill, Pierce County, Washington

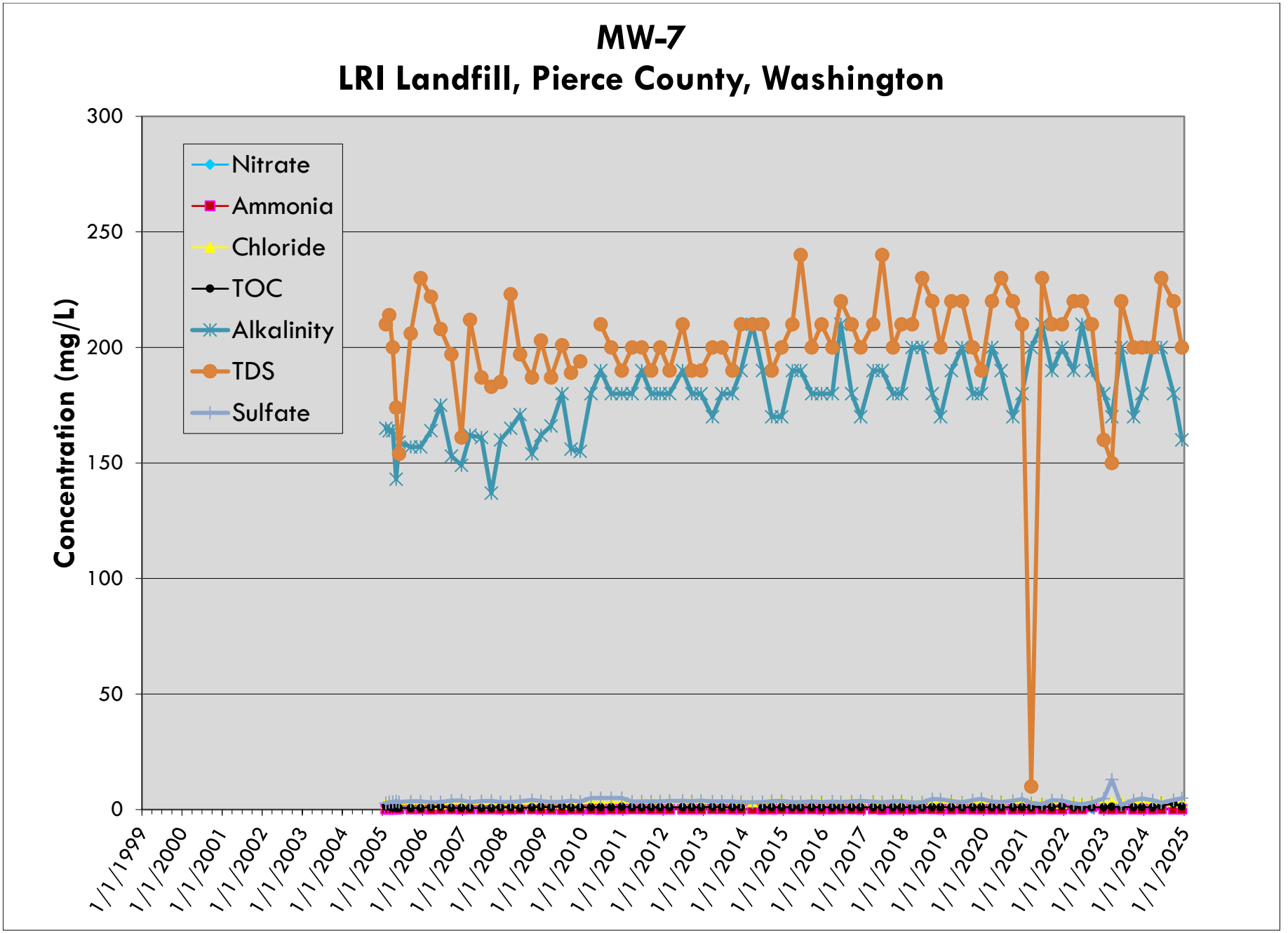


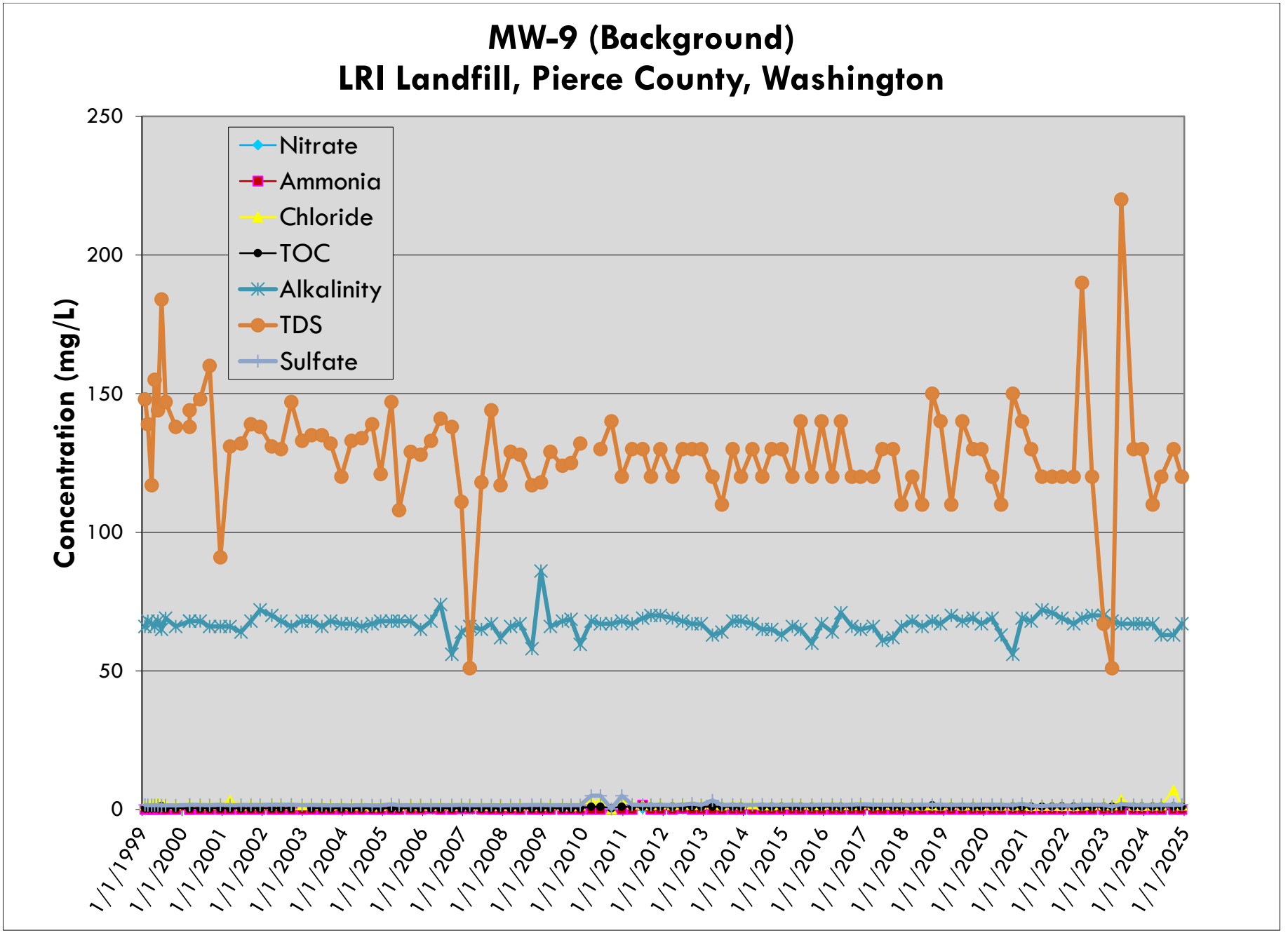
MW-5A
LRI Landfill, Pierce County, Washington

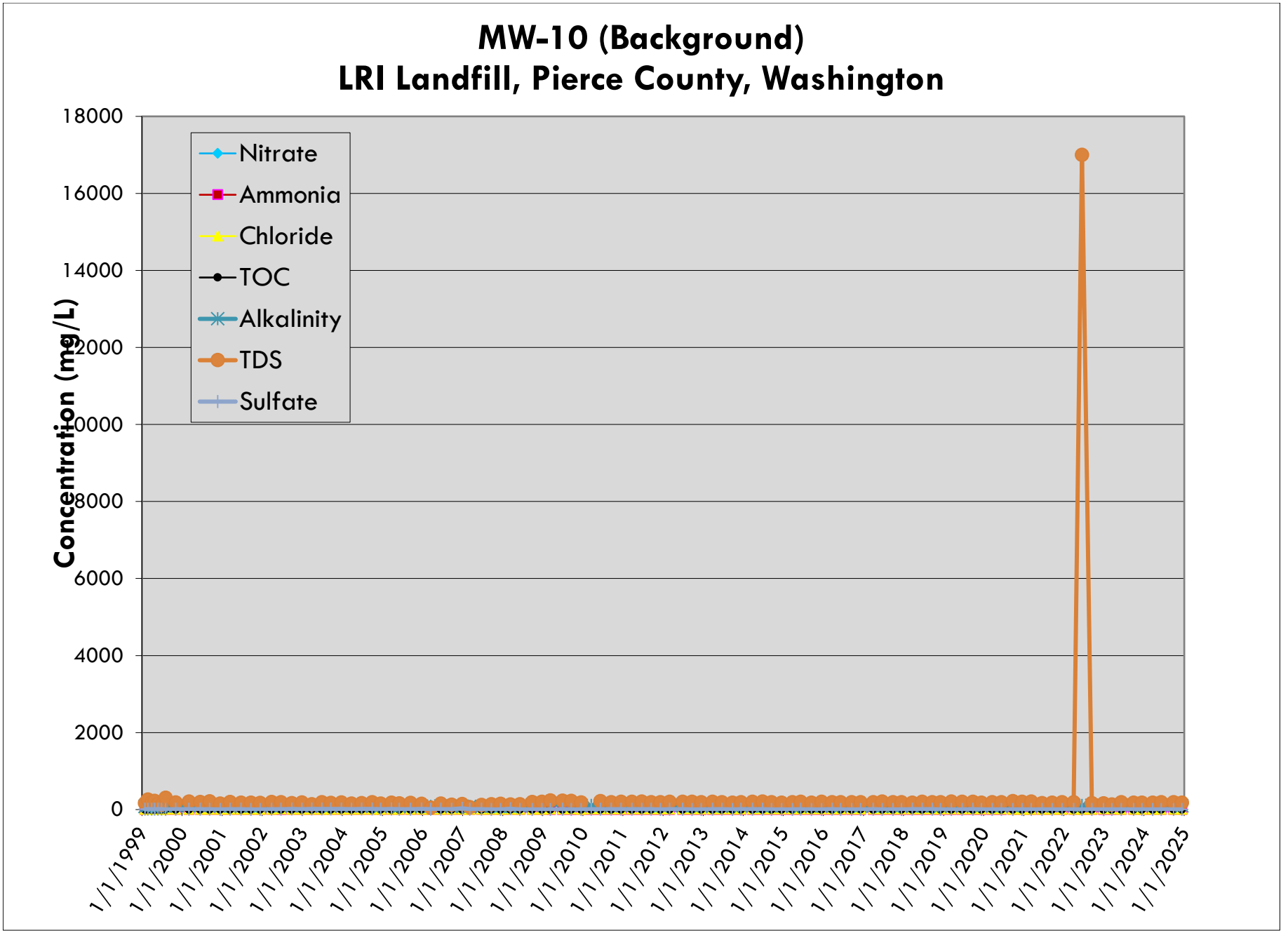


MW-6
LRI Landfill, Pierce County, Washington

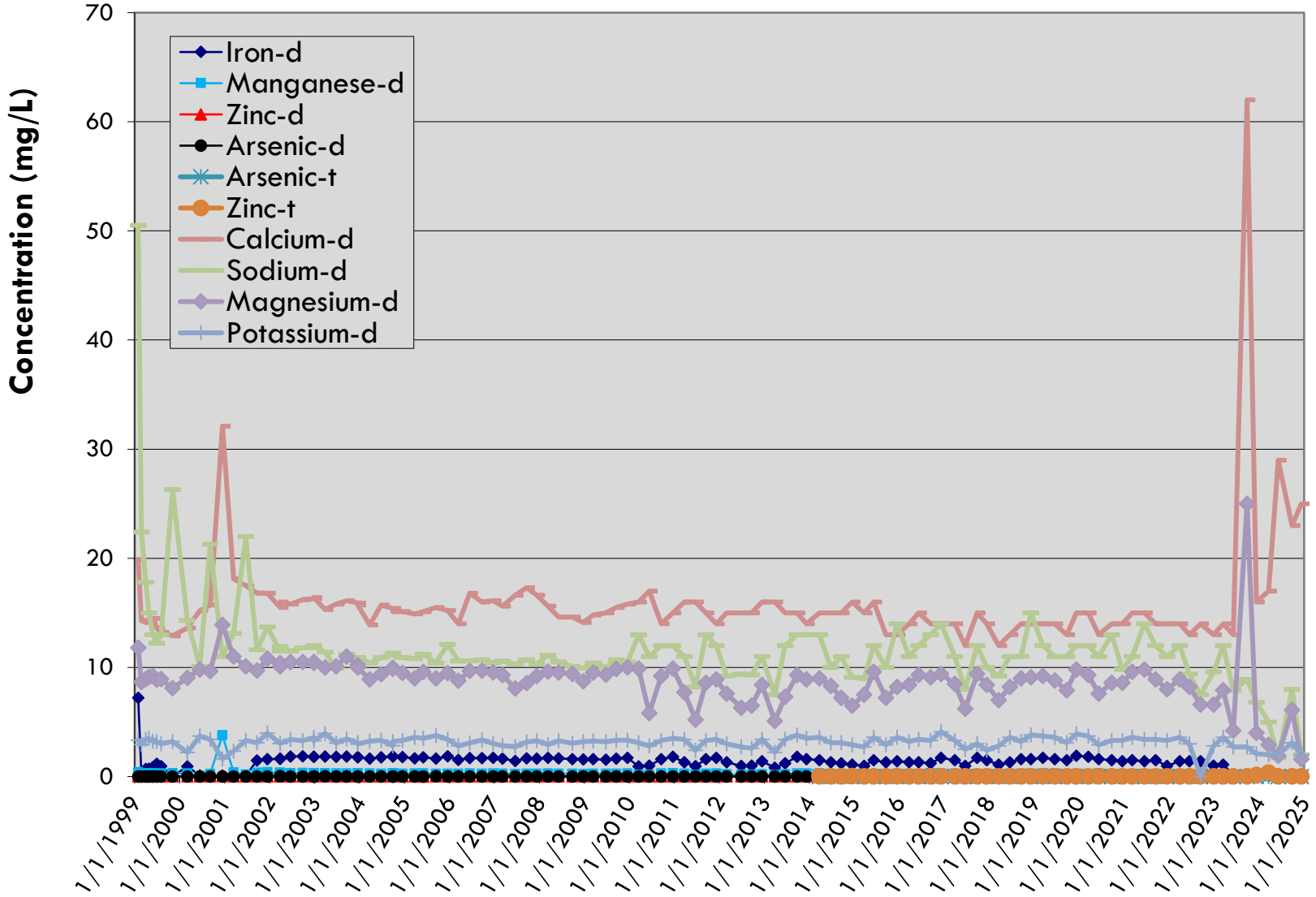



MW-7
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
300
250
200
150
100
50
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016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

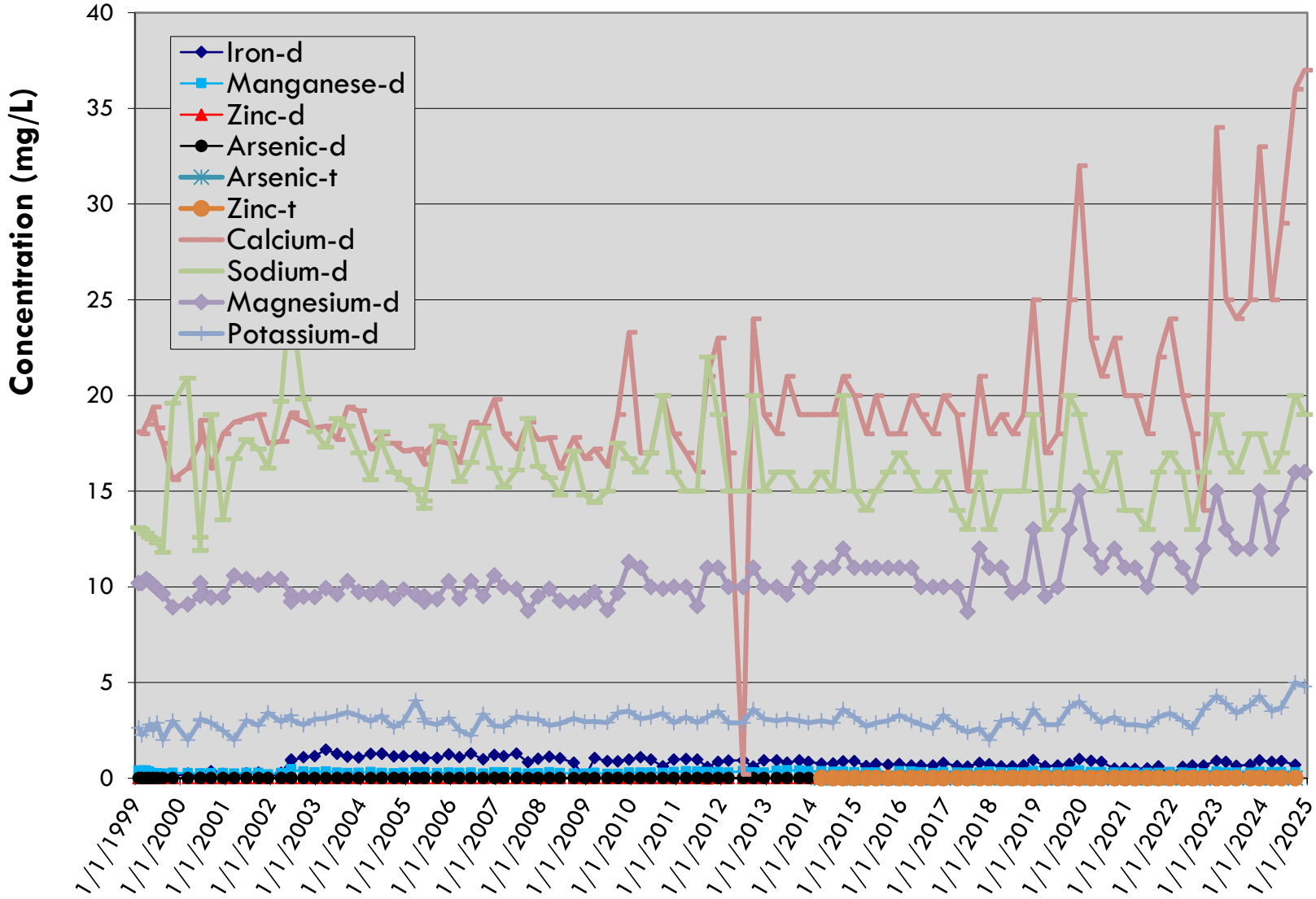

MW-9 (Background)
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
250
200
150
100
50
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
TDS
Sulfate
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
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-10 (Background)
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
18000
16000
14000
12000
10000
8000
6000
4000
2000
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

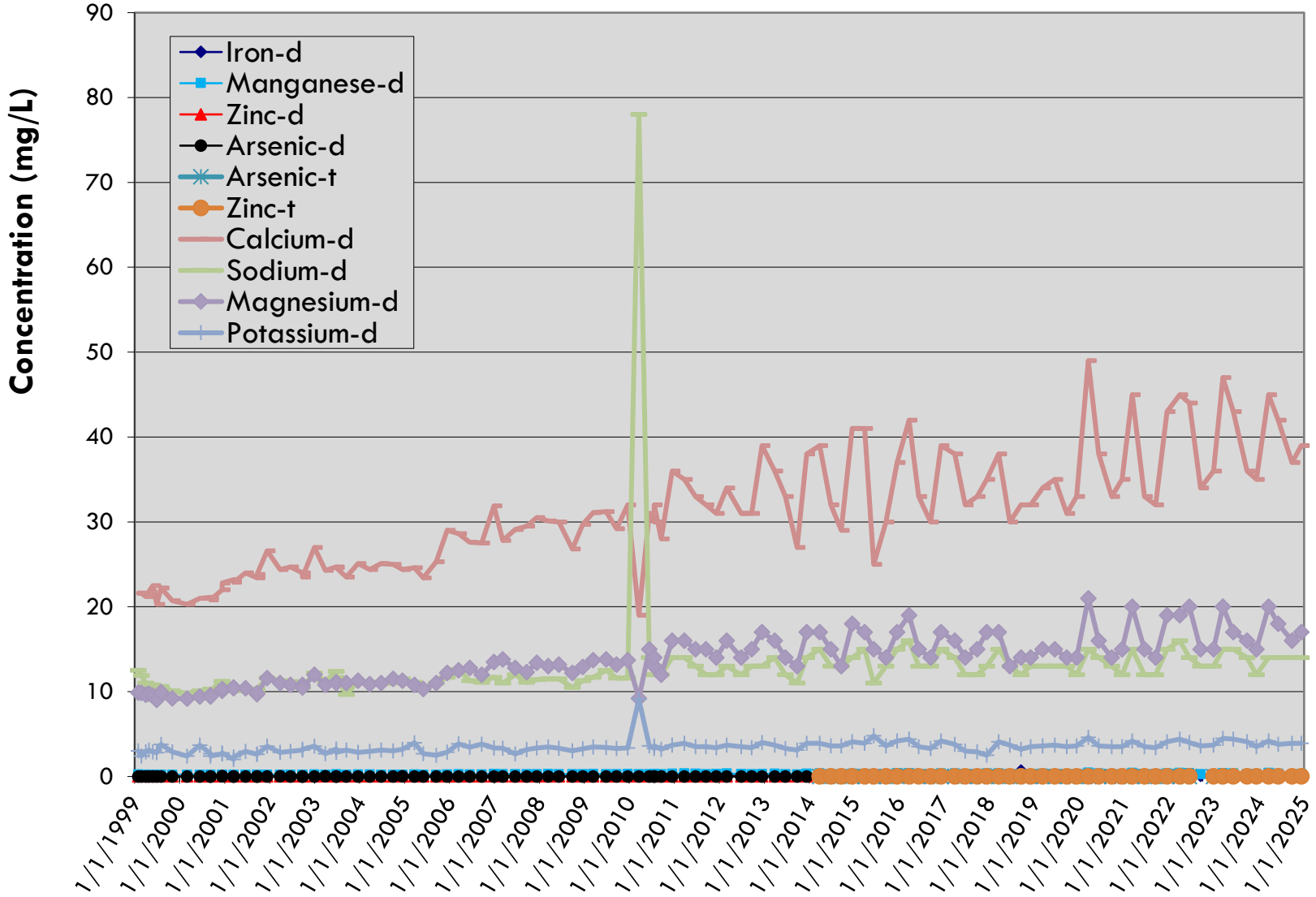
MW-1A
LRI Landfill, Pierce County, Washington



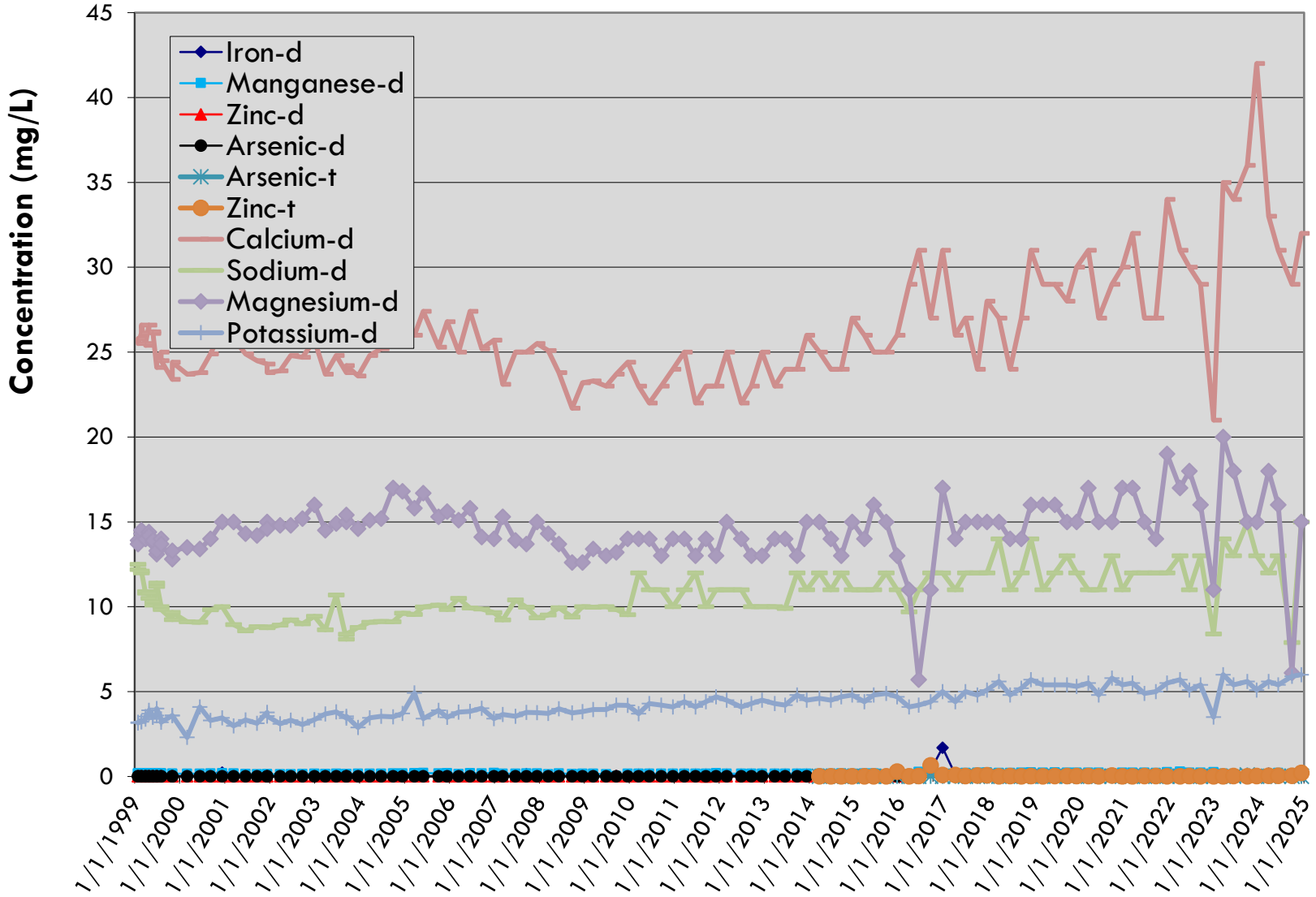
MW-2A
LRI Landfill, Pierce County, Washington



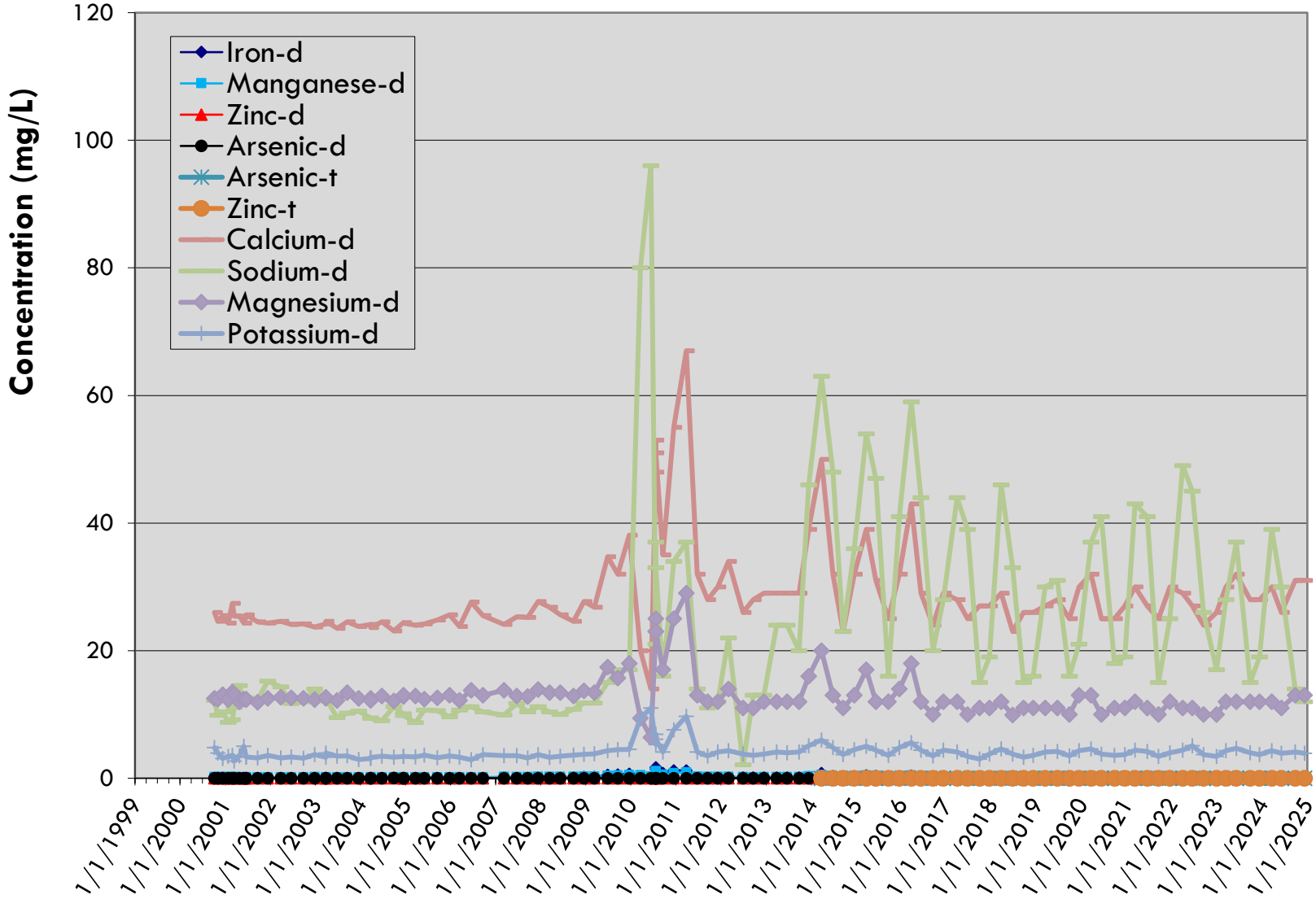
MW-3
LRI Landfill, Pierce County, Washington



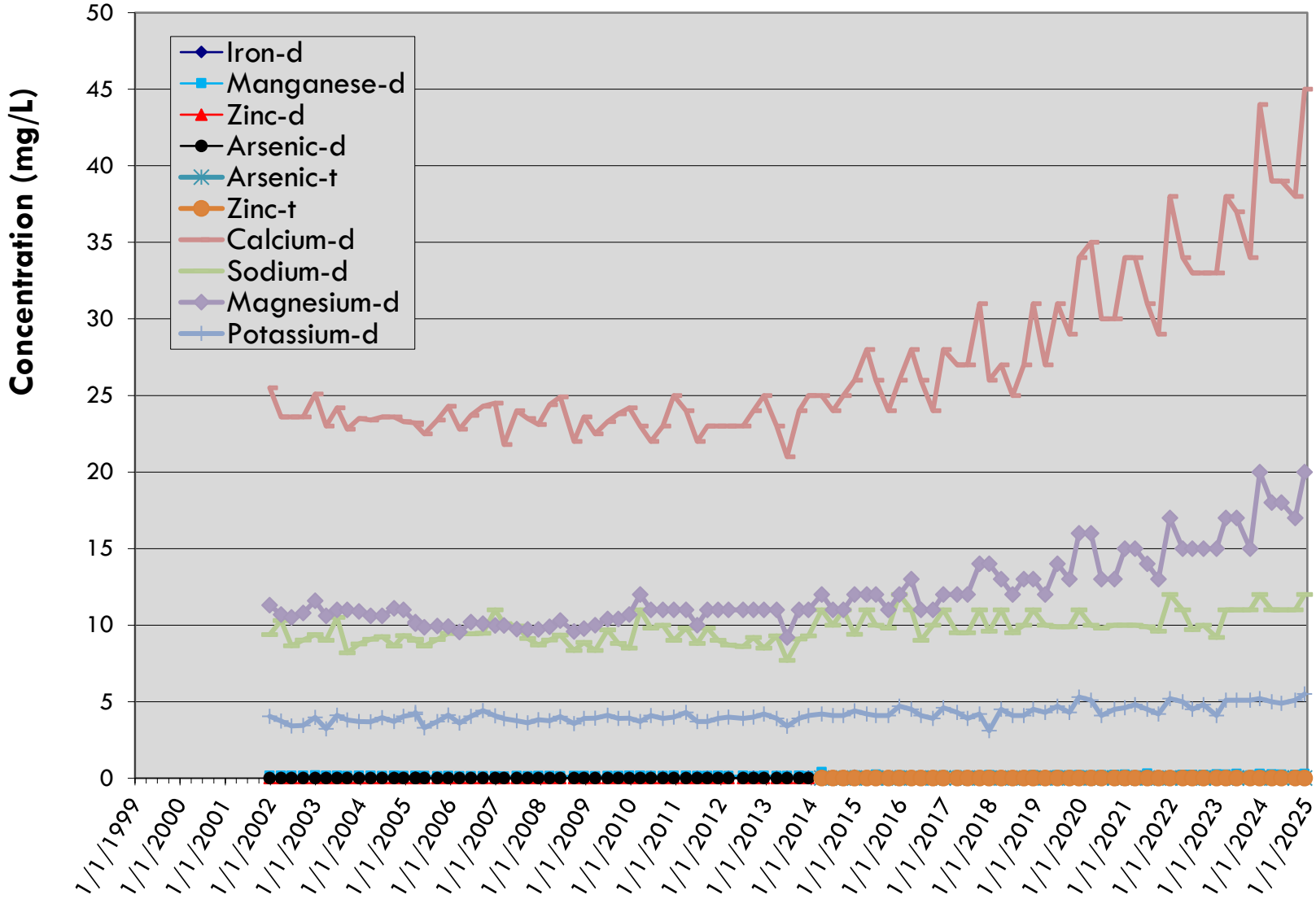
MW-4
LRI Landfill, Pierce County, Washington



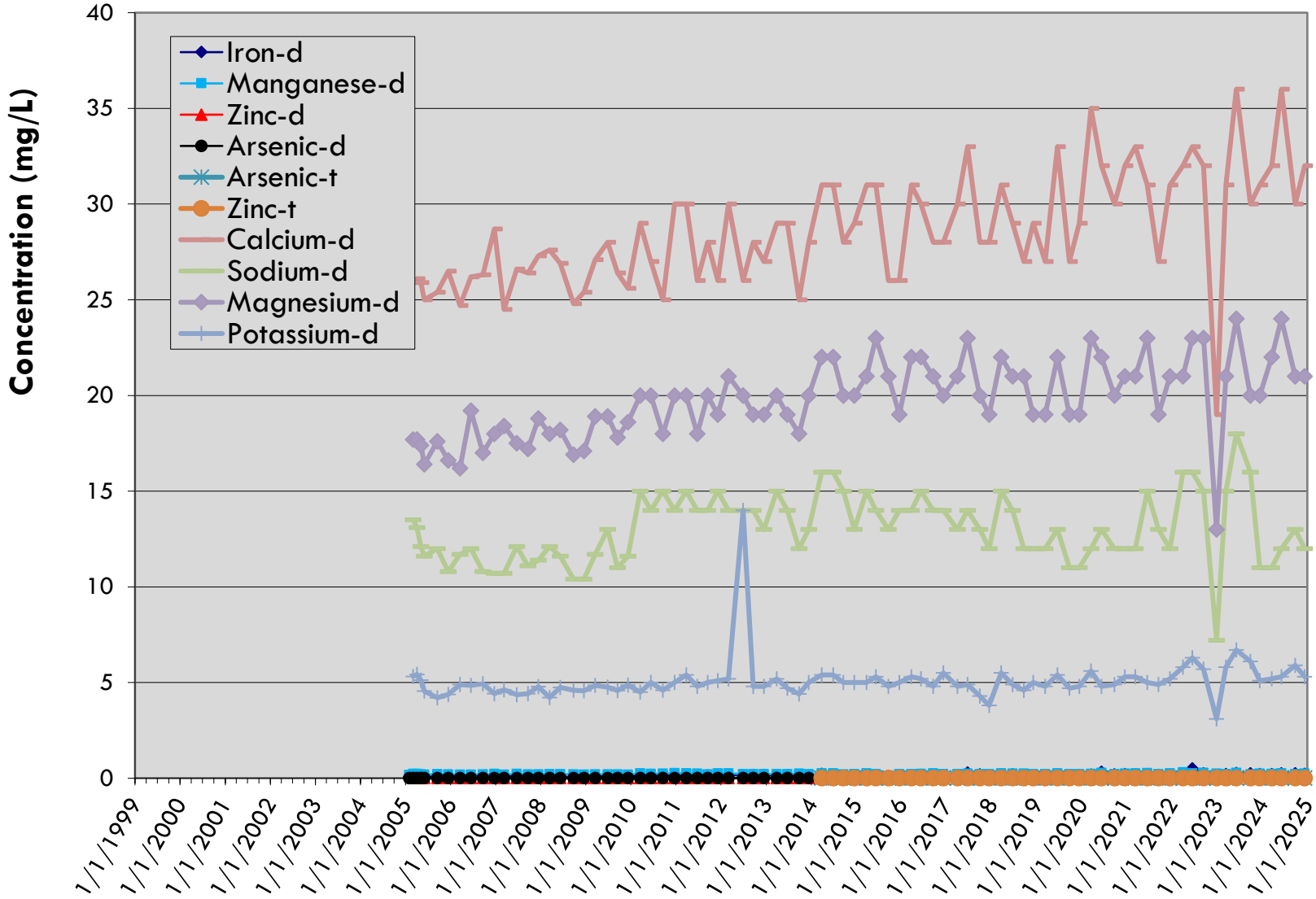
MW-5A
LRI Landfill, Pierce County, Washington



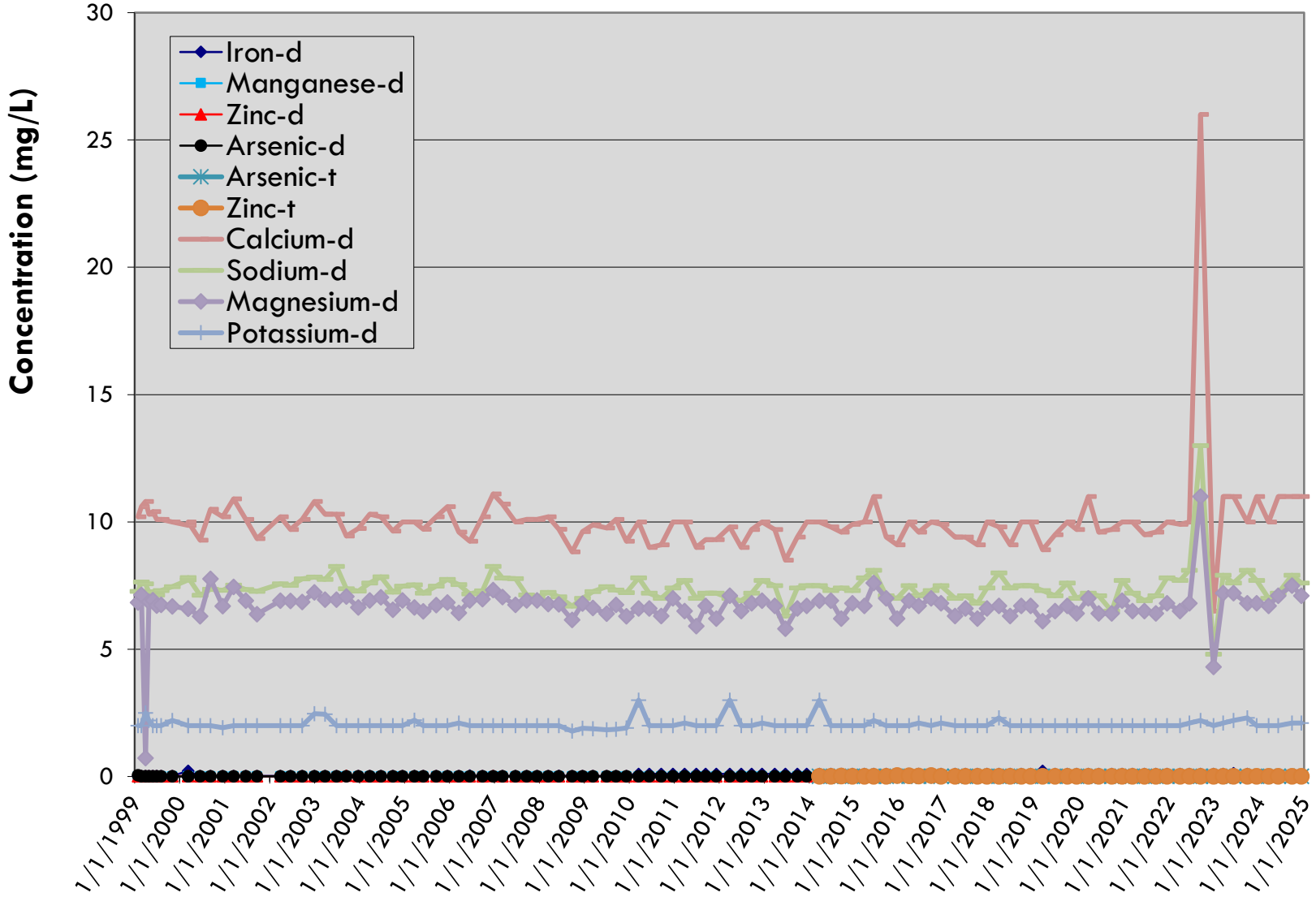
MW-6
LRI Landfill, Pierce County, Washington



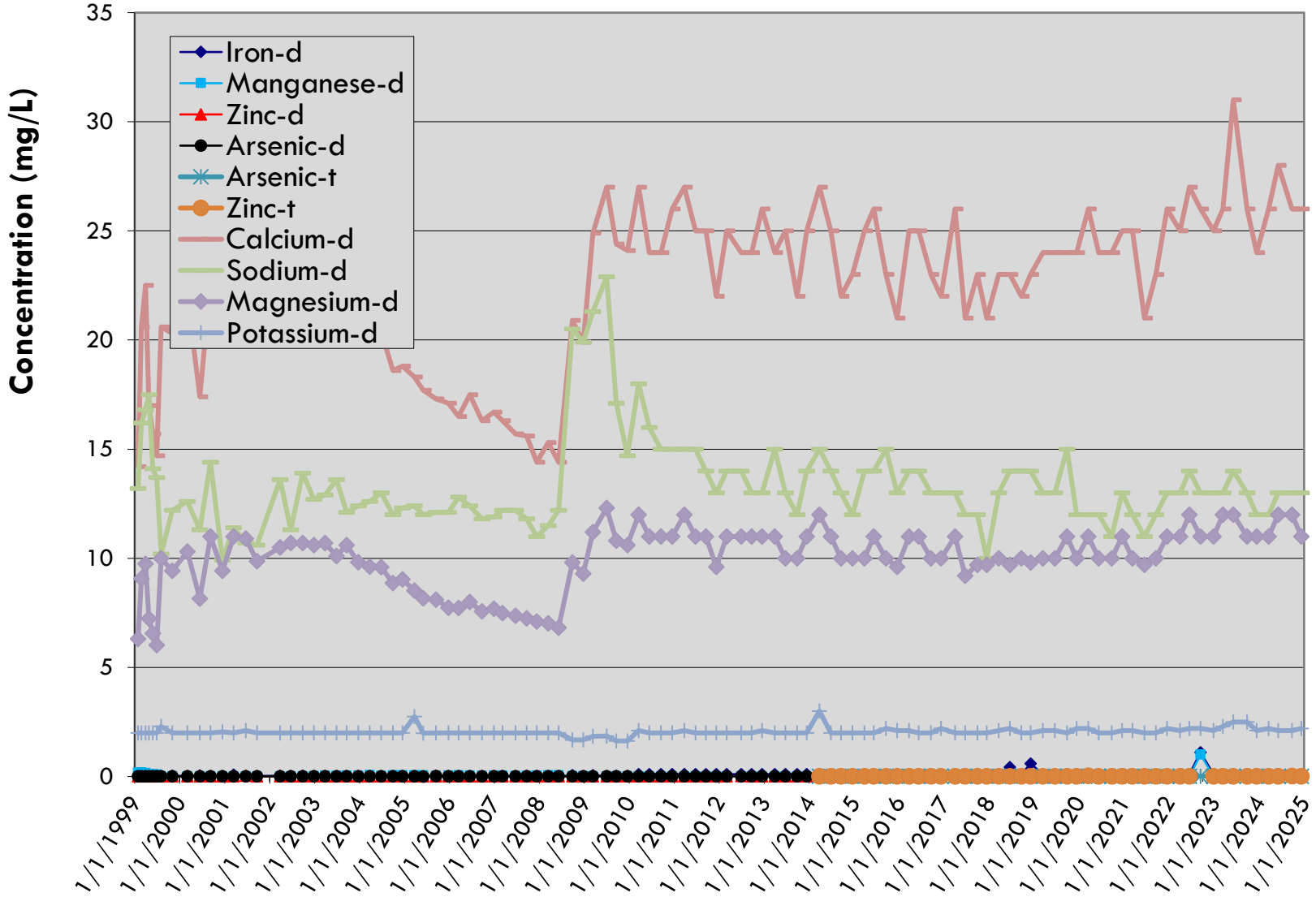
MW-7
LRI Landfill, Pierce County, Washington



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



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



FOURTH QTR. 2024 DATA VALIDATION REPORT – LRI LANDFILL

Project Details

Project No.	04224001.02	**Site Name**	LRI 304th Street LF
Data Validator	Alex Deszo	**Data Level**	Level 2
Date	1/10/24	**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)
280-200477-1	A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). One out of three VOA containers for the following sample was received broken: 304-120624-34 (280-200477-11). Due to a FedEx shipping delay, the following samples were received outside of holding time for the nitrate analysis: 304-120624-33 (280-200477-10), 304-120624-34 (280-200477-11) and Trip Blank (280-200477-12). The first cooler was received in Denver on 12/7/24 at 09:48 in temp and the second cooler was received on 12/9/2024 at 09:15. There was a third cooler that never arrived that contained samples :304-120624-24 (280-200477-5), 304-120624-28 (280-200477-6), 304-120624-29 (280-200477-7) and 304-120624-30 (280-200477-8).	Eurofins TestAmerica, Denver
280-200621-1	No Comment.	Eurofins TestAmerica, Denver
280-200672-1	A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).	Eurofins TestAmerica, Denver
280-200678-1	A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).	Eurofins TestAmerica, Denver
280-201085-1	No Comment.	Eurofins TestAmerica, Denver

Analytical Summary

Sample Group	Analyses					
	TDS/Alk/NO3	Metals	NH3/TOC	VOCs	Anions	TSS

280-200477-1	X	X[2]	X	X	X	-
280-200621-1	X	X[2]	X	X	X	X
280-200672-1	X	X[2]	X	X	X	-
280-200678-1	X	X[2]	X	X	X	-
280-201085-1	X	X[2]	X	X	X	X

Notes:

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

Laboratory Quality Assurance Samples

Lab QA Samples	Results	Comments
Method Blank	Acceptable.	See case narratives
LCS/LCSD	Acceptable.	See case narratives.
MS/MSD	Acceptable	See case narratives.
Metals	Acceptable.	See case narratives.
Duplicates	Acceptable.	See case narratives.
Organics	Acceptable.	See case narratives.
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	280-200678-1	None.	

Lab Quality Flags

Flag	Sample Groups	Comments
4	280-201085-1, 280-200678-1, 280-200672-1, 280-200621-1, 280-200477-1	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Flag	Sample Groups	Comments
F1	280-201085-1, 280-200672-1, 280-200621-1, 280-200477-1	MS and/or MSD recovery exceeds control limits.
F2	280-200477-1	MS/MSD RPD exceeds control limits
F3	280-200678-1	Duplicate RPD exceeds the control limit
E	280-200678-1, 280-200477-1	Result exceeded calibration range.
H	280-200477-1	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	280-201085-1, 280-200678-1, 280-200672-1, 280-200621-1, 280-200477-1	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
^+	280-200621-1	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
^-	280-200477-1	Continuing Calibration Verification (CCV) is outside acceptance limits, low biased
^2	280-200477-1	Calibration Blank (ICB and/or CCB) is outside acceptance limits
*1	280-200477-1	LCS/LCSD RPD exceeds control limits.

Duplicate Evaluation

Analyte	Units	MW-7 (304--07)	MW-7 DUP (304--08)	RPD (%)
Alkalinity, Total	mg/L	160.0	170.0	6.06
Ammonia	mg/L	0.2	0.2	0.00
Arsenic, Total	mg/L	0.0058	0.062	6.67
Barium, Total	mg/L	0.016	0.015	6.45
Calcium, Dissolved	mg/L	32	32	0.0
Chloride	mg/L	3	2.9	3.39
Iron, Dissolved	mg/L	0.23	0.24	4.26
Magnesium, Dissolved	mg/L	21	21	0.0
Manganese, Dissolved	mg/L	0.24	0.24	0.0
Potassium, Dissolved	mg/L	5.3	5.5	3.70
Sodium, Dissolved	mg/L	12	12	0.0
Sulfate	mg/L	4.9	4.9	0.0
Total Dissolved Solids	mg/L	200	190	5.13
Total Organic Carbon	mg/L	1.3	1.4	7.41

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.

December 20, 2024
File No. 04224001.02

Subject: **Fourth Quarter 2024 Groundwater Monitoring Event**
LRI Landfill, Pierce County, Washington

NOTES/SAMPLE DECODING:

Event Dates: December 6-20, 2024
Field Staff: Alex Deszo, Lauren Murray & Jovany Estrada

- 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-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-4A, LDCS-8 and LDCS-9 was collected from the channel discharge spigot.
- A non-dedicated Sample Pro pump was used for purging and sampling monitoring point MW-4.
- Leachate was sampled from all cells as part of the annual monitoring event.
- 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 TestAmerica in Tacoma, Washington.
- Leachate port lock code: 911

Sample Number	Well Number
304-121024-01	MW-1A
304-121024-02	MW-2A
304-121024-03	MW-3A
304-121024-04	MW-4
304-121024-05	MW-5A
304-121124-06	MW-6
304-121124-07	MW-7
304-121124-09	MW-9
304-121024-10	MW-10
304-121124-11	MW-7 Duplicate

304-121824-12	LDCS-1
304-121824-13	LDCS-2A
304-121824-14	LDCS-2B
304-121124-15	LDCS-3A
304-121124-16	LDCS-4A
304-121124-17	LDCS-4B
304-121124-18	LDCS-5
304-121124-19	LDCS-6
304-121124-20	LDCS-7
304-121824-22	LDCS-8
304-121124-23	LDCS-9
304-122024-24	Leachate, Cell 1
304-121124-25	Field Blank
304-120624-25	Leachate, Cell 2A
304-120624-26	Leachate, Cell 2B
304-120624-27	Leachate, Cell 3A
304-122024-28	Leachate, Cell 4A
304-122024-29	Leachate, Cell 4B
304-122024-30	Leachate, Cell 5
304-120624-31	Leachate, Cell 6
304-120624-32	Leachate, Cell 7
304-120624-33	Leachate, Cell 8
304-120624-34	Leachate, Cell 9

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LR1 304th
Well ID: MW-1A
Sample ID: 304-121024-01
Date: 12/10/24
Weather: Clear

19.20 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: 10
Pressure: 50
Flow: ~100 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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1133		11.5	197	8.22	7.45	8.1	7.82	
1138		12.4	198	7.79	7.27	-6.1	5.62	
1141		12.7	198	7.37	7.03	-4.9	6.68	
1144		12.8	194	6.91	6.86	-6.8	6.56	
1147		12.8	189	6.60	6.84	-14.1	8.67	
1150		12.9	182	6.20	6.86	-19.8	9.30	
1153		12.8	175	5.85	6.90	-25.2	9.75	
1156		12.9	171	5.52	6.94	-30.2	10.47	
1159		12.9	168	5.32	6.98	-35.7	10.84	

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

26 min instead of 20 min to allow for stabilization

Dissolved metals sample NOT field filtered
Needs to be filtered in lab
→ Nitric Acid rinsed out of bottle w/ distilled water

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 042240001.02
Site: LR1 304th
Well ID: MW-2A
Sample ID: 304-121024-02
Date: 12/10/24
Weather: Clear

18.36 DTW
TOS
Intake
BOS
Total Depth

Meter: MP-20 YSI

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

CONTROL SETTINGS:
Refill: 9
Discharge: 6
Pressure: 30
Flow: 400 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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1023		14.1	383	5.79	6.43	9.0	9.80	
1028		13.3	411	1.64	6.75	-115.5	2.74	
1031		13.3	408	1.30	6.83	-147.3	2.69	
1034		13.2	404	1.13	6.89	-173.9	2.59	
1037		13.2	402	1.01	6.93	-190.1	2.60	
1040		13.2	402	0.91	6.98	-203.7	2.67	
1043		13.2	401	0.83	7.01	-214.5	2.53	

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

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LRI 304th
Well ID: MW-3
Sample ID: 304-121024-03
Date: 12/10/24
Weather: Clear

7.35 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: 550 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.
1408		10.7	383	6.22	6.30	-20.1	3.40	
1413		10.6	385	1.94	7.13	-110.9	2.81	
1416		10.6	386	1.50	7.22	-135.6	2.69	
1419		10.6	386	1.21	7.25	-151.2	2.67	
1422		10.6	386	1.01	7.26	-160.0	2.62	
1425		10.6	386	0.94	7.27	-175.7	2.65	
1428		10.6	386	0.84	7.27	-184.6	2.60	

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 304th
Well ID: MW-4
Sample ID: 304-121024-04
Date: 12/10/24
Weather: Sunny 39°F

22.04 DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill: 4
Discharge: 6
Pressure: 50
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):
Extremely turbid, Dark muddy water coming up.
Well monument full of sand & water

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1416		13.41	362	6.81	6.95	311.5	72000	
1421		13.8	363	5.13	7.33	310.8	1500	
1424		13.8	361	4.90	7.36	310.5	1210	
1427		13.8	359	4.42	7.38	310.1	909	
1430		13.8	357	4.38	7.40	309.6	588	
1433		13.7	355	4.40	7.41	309.7	410	
1436		13.7	355	4.46	7.43	310.0	303	

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

SAMPLER: Alex Reszo
Printed Name

Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LRF 304th
Well ID: MW-5A
Sample ID: 304-121024-05
Date: 12/10/24
Weather: Sunny 35°F

25.68 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.
1130		11.9	351	8.46	5.941	348.5	3.81	
1135		12.2	332	1.40	6.89	306.8	5.87	
1138		12.2	331	0.95	7.10	296.6	8.20	
1141		12.2	330	0.75	7.23	286.8	12.99	
1144		12.1	328	0.59	7.33	276.8	16.31	
1147		12.1	328	0.53	7.38	271.3	8.52	
1150								

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

SAMPLER: Alex Dezzo
Printed Name

Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LR1 304th
Well ID: MW-6
Sample ID: 304-121124-06
Date: 12/11/24
Weather: Partly cloudy

7.95 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: 25
Flow: 325 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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0958		10.1	336	7.88	6.27	102.6	4.50	
1003		10.5	384	2.08	6.90	-29.4	3.32	
1006		10.6	384	1.39	7.21	-76.5	3.38	
1009		10.6	385	1.15	7.27	-110.5	2.99	
1012		10.6	385	1.05	7.28	-132.4	2.96	
1015		10.6	385	0.94	7.28	-150.3	3.15	
1018		10.6	385	0.86	7.29	-165.5	3.00	

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

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: IR1 304th
Well ID: MW-7
Sample ID: 304-121124-07
Date: 12/11/24
Weather: Partly 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: 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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1135		10.6	339	3.44	6.14	-41.0	2.85	
1140		10.7	336	1.24	7.25	-160.2	3.17	
1143		10.7	336	0.94	7.35	-187.7	3.11	
1146		10.7	336	0.80	7.37	-203.8	3.25	
1149		10.7	336	0.74	7.36	-213.0	3.19	
1152		10.7	336	0.67	7.35	-215.2	3.17	
1155		10.8	336	0.67	7.34	-212.3	3.07	

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

Duplicate taken @ 1205
304-121124-11

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LF1 304th
Well ID: MW-9
Sample ID: 304-121124-09
Date: 12/11/24
Weather: Partly Cloudy

10.78 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 45
Flow 400 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 HNO3 x2
500 ml Poly: 500 ml H2SO4 x2; 125 ml NaOH
250 ml Poly: 40 ml VOA x3 x6
125 ml Poly: 1000 ml Amber

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1316		9.8	130	7.34	6.21	23.2	3.01	
1321		10.0	131	5.41	6.64	-3.1	3.39	
1324 →	1332	9.7	131	4.82	6.70	-12.4	3.59	
1327 →	1335	9.7	130	4.72	6.68	-6.0	3.59	
1330 →	1338	9.9	131	4.59	6.67	-6.8	3.60	
1333 →	1341	9.9	130	4.47	6.67	-7.3	3.71	
1336 →	1344	9.9	130	4.37	6.67	-7.3	3.86	

Notes / Observations (color, odor, anomalies, etc):
Pause @ 1323 to switch CO canister
Resume @ 1331

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 042241001.02
Site: LIE 304th
Well ID: MW-10
Sample ID: 304-121024-~~MS~~10
Date: ~~MS~~ 12/10/24
Weather: Sunny 36°F

31.53 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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1245		12.3	306	7.40	7.09	321.5	5.36	
1250		11.7	309	1.13	6.38	315.3	5.04	
1253		11.7	307	0.96	6.36	312.0	4.14	
1256		11.7	305	0.82	6.35	307.3	4.07	
1259		11.7	304	0.73	6.34	300.1	4.10	
1302		11.7	303	0.70	6.34	295.9	4.07	
1305		11.7	303	0.68	6.34	292.3	3.84	

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

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

SAMPLER: Alex Deszo
Printed Name

Alex Deszo
Signature

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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 042241001.02
Site: 304th
Well ID: LDCS-1
Sample ID: 304-121824-12
Date: 12/18/24
Weather: Cloudy / Rain

27.94 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.
1130		20.4	523	5.27	6.31	-9.6	13.6	

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

SAMPLER: Alan
Printed Name

Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224001.62
Site: 304th
Well ID: LDLS-2A
Sample ID: 304-121824-13
Date: 12/18/24
Weather: Cloudy / Rain

29.64 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 Lee to filter

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1100		21.0	906	5.66	6.96	36.7	7.8	

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

SAMPLER: Alex Deszo
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 304th
Well ID: LDCS-2B
Sample ID: 304-[redacted]m 121824-14
Date: 12/18/24
Weather: Cloudy/Rain

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

DTW	27.71	Refill	
TOS		Discharge	
Intake		Pressure	
BOS		Flow	
Total Depth			

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

Filtered? Y (N) Locked? Y (N) Water in Protector? Y (N) Damage? Y (N)

Sample Containers:

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1030		16.4	869	4.31	5.98	5.9	78.5	

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

Add HCl to filter

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

SAMPLER: Alex Dezso
Printed Name

AD
Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: South
Well ID: CDCS-3A
Sample ID: 301-121124-15
Date: 12/11/24
Weather: Partly cloudy 36°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: 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.
1055		11.6	844	7.33	6.95	311.2	7.91	
1100		16.8	982	2.16	6.23	324.5	88	
1103		18.4	993	2.00	6.18	303.0	90	
1106		18.8	984	0.88	6.11	296.4	64	
1109		19.0	984	0.54	6.10	283.7	36	
1112		19.3	984	0.39	6.10	263.7	19.80	
1115		19.3	981	0.34	6.10	249.5	17.66	

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

SAMPLER: Alex Dezso
Printed Name

AD
Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 8422400 1.02
Site: 304th
Well ID: LDCS-4A
Sample ID: 304-121124-16
Date: 12/11/24
Weather: Cloudy 37°F

DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 YSI

CONTROL SETTINGS:
Refill 12
Discharge 3
Pressure 60
Flow 150

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.
1145		16.2	1099	3.98	6.74	269.0	15.65	
1150		23.6	1154	0.54	6.30	220.8	53	
1153		23.9	1166	0.42	6.30	202.9	9.53	
1156		24.0	1168	0.34	6.30	189.4	6.19	
1159		24.0	1168	0.30	6.30	180.3	4.60	
1202		24.0	1167	0.27	6.30	173.4	4.70	
1205		24.2	1168	0.25	6.30	169.5	3.94	

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

SAMPLER: Alex Dezso
Printed Name

Signature

SCS ENGINEERS
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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 304th
Well ID: LDCS-4B
Sample ID: 304-121124-17
Date: 12/11/24
Weather: Sunny 40°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.
1228		11.9	1187	7.40	7.73	228.5	5.25	
1233		18.6	1340	1.49	6.79	229.8	38	
1236		18.9	981	0.82	6.74	206.9	5.64	
1239		18.9	972	0.69	6.72	200.6	3.48	
1242		18.9	967	0.60	6.71	193.0	3.31	
1245		18.9	963	0.55	6.71	186.7	3.51	
1248		19.0	961	0.52	6.70	183.0	3.53	

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

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

SAMPLER: Alex Deszo
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 30th
Well ID: LDLS-5
Sample ID: 30th-121124-1R
Date: 12/11/24
Weather: Cloudy 40° F

DTW
TOS
Intake
BOS
Total Depth

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

Meter: MP-20 / YSI

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.
1306		8.5	809	7.90	7.55	199.1	3.53	
1311		20.7	1069	1.11	6.35	218.0	11.14	
1314		22.9	1022	0.65	6.33	204.5	5.57	
1317		23.3	965	0.46	6.31	191.0	5.03	
1320		23.4	966	0.39	6.30	181.9	5.00	
1323		23.6	969	0.32	6.30	172.9	5.51	
1326		23.6	972	0.30	6.29	168.9	4.80	

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

SAMPLER: Alex Dezso
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 304th
Well ID: LOCS-6
Sample ID: 304-121124-19
Date: 12/11/24
Weather: Partly Cloudy 40°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: 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.
1340		9.2	1052	7.58	7.28	248.8	4.42	
1345		9.5	922	7.50	7.37	265.6	4.76	
1348		17.0	1150	3.69	6.57	275.8	2.72	
1351		18.5	1067	2.26	6.36	274.9	3.12	
1354		18.9	1068	1.39	6.29	268.8	2.94	
1357		18.6	1038	1.00	6.25	263.6	2.86	
1400		18.5	1008	0.75	6.22	257.1	3.48	
1403		18.6	1000	0.62	6.21	251.8	2.96	

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

SAMPLER: Alex Dezzo
Printed Name

Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 304th
Well ID: LDCS-7
Sample ID: 304-121124-20
Date: 12/11/24
Weather: partly cloudy 36°F

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

Meter: MP-20 / YSI

CONTROL SETTINGS:

DTW		Refill	11.5
TOS		Discharge	3.5
Intake		Pressure	40
BOS		Flow	200 ml/min
Total Depth			

1 ft water = 0.62L 1L = 0.26 gallons

One Well Volume (liters): ____ Other: ____
Flow Setting: ____
Total Volume Bailed (liters): ____

Filtered? (Y) N Locked? Y (N) Water in Protector? Y (N) Damage? Y (N)

Sample Containers:

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1012		13.6	780	3.75	6.47	316.9	6.23	
1017		20.4	921	0.78	6.35	295.3	4.27	
1020		22.5	994	0.55	6.05	274.4	6.79	
1023		23.1	1001	0.46	6.04	263.0	6.67	
1026		23.3	1008	0.40	6.05	252.7	6.80	
1029		23.5	1009	0.35	6.06	240.2	6.95	
1032		23.5	1007	0.33	6.07	237.2	7.01	

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

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

SAMPLER: Alex Desco
Printed Name

Signature

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Groundwater Sampling Data Sheet

Project #: 042241001.02
Site: 304th
Well ID: LDCS-8
Sample ID: 304-121824-22
Date: 12/18/24
Weather: Cloudy

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):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1200		21.7	982	3.84	6.28	-19.5	1.2	

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

SAMPLER: Alex Dezzo
Printed Name

AD
Signature

SCS ENGINEERS
2405 140th ave NE #107
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Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: 304th
Well ID: LDCS-9
Sample ID: 304-121124-23
Date: 12/11/24
Weather: Partly 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 4/6
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.
0910		14.5	960	6.95	5.75	330.2	6.71	

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

* Ask lab to field filter *

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

SAMPLER: Alex Dezzo
Printed Name

AD
Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 04224cc1.02
Site LR1 304th
Well ID: leachate, cell 1
Sample ID: 304-120624-24
Date: 12/16/24
Weather: partly cloudy

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

Meter: MP-20 YSI

DTW
TOS
Intake
BOS
Total Depth

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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1120		15.7	33725	7.09	7.83	-51.4	10.1	
1240		24.3	36495	1.33	7.31	-125.7	1021	

Notes / Observations (color, odor, anomalies, etc):
Resample 12/20/24
304-122024-24

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

SAMPLER: Tovany Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LRI 304th
Well ID: Field Blank
Sample ID: 304-121124-25
Date: 12/11/24
Weather: Mostly clear

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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1425		9.6	16	7.04	5.72	9.2	1.13	

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

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

SAMPLER: Lauren Murray
Printed Name

Lauren Murray
Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LR1 304th
Well ID: Leachate, Cell 2A
Sample ID: 304-120624-25
Date: 12/6/24
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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1655		8.0	25552	8.24	8.07	-82.0	40403	

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

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LR1 304th
Well ID: leachate, cell 2B
Sample ID: 304-120624-26
Date: 2/6/24
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):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1015		15.c	19757	6.62	7.79	-91.6	49.4	

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

SAMPLER: Jovany Estrada
Printed Name

JE
Signature

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

Groundwater Sampling Data Sheet

Project #: 01224001.02
Site: P1 304th
Well ID: Leachate, Cell 5A
Sample ID: 304-20624-27
Date: 12/6/24
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):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0915		15.0	19157	0.55	7.66	-164.7	1025.7	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LF1 304th
Well ID: Leachate, Cell 4A
Sample ID: 304-120624-28
Date: 12/6/24
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
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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1200		12.7	34484	6.54	8.06	-103.0	416.6	
1150		17.5	34277	2.33	7.52	-161.0	1140	

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

Resample 12/20/24
304-122024-28

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

SAMPLER: Jovanny Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site: LR1 304th
Well ID: Leachate, Cell 4B
Sample ID: 304-122624-29
Date: 12/6/24
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
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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1225		23.9	36259	6.30	8.08	-72.5	200.1	
1130		25.C	32773	3.91	7.55	-143.1	2078	

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

Resample 12/20/24
304-122024-29

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

SAMPLER: Tovany Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site LR1 304th
Well ID: Leachate, Cell 5
Sample ID: 304-120624-30
Date: 12/6/24
Weather: Cloudy

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			

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1250		24.6	30635	3.05	8.20	-174.0	310.1	
1110		25.1	30342	2.21	7.82	-246.5	5227	

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

Resample 12/20/24
304-122024-30

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

SAMPLER: Tommy Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.c2
Site: LR1 304th
Well ID: Leachate, Cell 6
Sample ID: 304-120624-31
Date: 12/6/24
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
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.
1310		33.4	32919	2.48	8.08	-135.2	1592.0	

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

SAMPLER: Jovanny Estrada
Printed Name

Signature

SCS ENGINEERS
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Bellevue, WA 98005 (425) 746-4600

Groundwater Sampling Data Sheet

Project #: 0122400l.02
Site: LFI 30th
Well ID: Leachate Cell 7
Sample ID: 30f-120624-32
Date: 12/6/24
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):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
0845		29.3	20677	5.35	7.98	-272.9	1703.2	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001.02
Site LF1 304th
Well ID: Leachate, Cell 8
Sample ID: 304-120624-33
Date: 12/6/24
Weather: Cloudy

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):

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1355		23.0	32386	1.99	7.94	-236.2	419.2	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

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

Groundwater Sampling Data Sheet

Project #: 04224001-02
Site: LR1 30th
Well ID: Leachate, Cell 9
Sample ID: 304-120624-34
Date: 12/6/24
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
Discharge
Pressure
Flow

1 ft water = 0.62L
1L = 0.26 gallons

One Well Volume (liters): ____ Other: ____
Flow Setting: ____
Total Volume Bailed (liters): ____

Filtered? Y (N) Locked? (Y) N Water in Protector? Y (N) Damage? Y (N)

Sample Containers:

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

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

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1420		20.2	19481	3.33	7.63	-61.8	158.3	

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

SAMPLER: Jovany Estrada
Printed Name

Signature

SCS ENGINEERS

GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	12/20/24					
Time	~~0~~ 1050					
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	1405	4.05	7.26	8.66		
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 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	12/10/24					
Time	0844					
Weather (sky or precip, temp)	Partly Cloudy, 31° F					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1038	4.00	7.02	11.38	—	
Post Cal Reading	1413	4.00	7.00	8.5	—	
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)

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GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

Date	12/11/24					
Time	0832					
Weather (sky or precip, temp)	Partly Cloudy 32°F					
Parameter	Conductivity	pH 4	pH 7	D.O.	Turbidity	Comments/Exceptions
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.00	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1174	4.23	7.05	8.53	—	
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						

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

Appendix C

Groundwater Database

Groundwater Database - Waterlevels
2024 Annual Monitoring Report
LRI Landfill, Pierce County, Washington

Location	Sample Number	Field_Date	Well Casing Elevation	Depth-To-Water	Water Level Elevation	Notes
Monitoring Well						
MW-1A	304-031924-01	45370.00	652.57	17.93	634.64	
	304-060524-01	45448.00	652.57	17.73	634.84	
	304-092524-01	45560.00	652.57	21.20	631.37	
	304-121024-01	45636.00	652.57	19.20	633.37	
MW-2A	304-031924-02	45370.00	651.93	17.34	634.59	
	304-060524-02	45448.00	651.93	17.31	634.62	
	304-092524-02	45560.00	651.93	20.34	631.59	
	304-121024-02	45636.00	651.93	18.36	633.57	
MW-3	304-031924-03	45370.00	637.41	5.76	631.65	
	304-060524-03	45448.00	637.41	5.74	631.67	
	304-092624-03	45561.00	637.41	9.51	627.90	
	304-121024-03	45636.00	637.41	7.35	630.06	
MW-4	304-031924-04	45370.00	652.37	20.76	631.61	
	304-060524-04	45448.00	652.37	20.62	631.75	
	304-092624-04	45561.00	652.37	23.9	628.47	
	304-121024-04	45636.00	652.37	22.04	630.33	
MW-5A	304-031924-05	45370.00	655.55	25.87	629.68	
	304-030524-05	45448.00	655.55	24.98	630.57	
	304-092524-05	45560.00	655.55	26.78	628.77	
	304-121024-05	45636.00	655.55	25.68	629.87	
MW-6	304-031924-06	45370.00	635.71	7.81	627.90	
	304-060524-06	45448.00	635.71	7.67	628.04	
	304-092624-06	45561.00	635.71	11.39	624.32	
	304-121124-06	45637.00	635.71	7.95	627.76	
MW-7	304-031924-07	45370.00	656.03	21.12	634.91	
	304-060524-07	45448.00	656.03	21.45	634.58	
	304-092624-07	45561.00	656.03	26.47	629.56	
	304-121124-07	45637.00	656.03	NM	--	
MW-9	304-031924-09	45370.00	701.77	8.32	693.45	
	304-060524-09	45448.00	701.77	8.41	693.36	
	304-092524-09	45560.00	701.77	12.14	689.63	
	304-121124-09	45637.00	701.77	10.78	690.99	
MW-10	304-031924-10	45370.00	678.37	24.95	653.42	
	304-060524-10	45448.00	678.37	25.32	653.05	
	304-092524-09	45560.00	678.37	29.89	648.48	
	304-121024-10	45637.00	678.37	31.53	646.84	
Leak Detection System						
LDCS-1	304-032024-12	45371.00	657.26	29.05	628.21	
	304-060624-12	45449.00	657.26	29.09	628.17	
	304-092424-12	45559.00	657.26	28.83	628.43	
	304-121824-12	45644.00	657.26	27.94	629.32	
LDCS-2A	304-032024-13	45371.00	659.24	29.83	629.41	
	304-060624-13	45449.00	659.24	29.38	629.86	
	304-092424-13	45559.00	659.24	29.35	629.89	
	304-121824-13	45644.00	659.24	29.64	629.60	
LDCS-2B	304-032024-14	45371.00	661.70	27.32	634.38	
	304-060624-14	45449.00	661.70	28.2	633.50	
	304-092424-14	45559.00	661.70	28.12	633.58	
	304-121824-14	45644.00	661.70	27.71	633.99	

"NM" = Not Measured

Groundwater Database - Field Parameters
2024 Annual Monitoring Report
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Sampling Method	pH	Specific Conductivity	Temperature
Monitoring Well						
MW-1A	304-031924-01	3/19/2024	DP	7.01	132	14.8
	304-060524-01	6/5/2024	DP	7.04	159.8	16.6
	304-092524-01	9/25/2024	DP	6.84	176	16.5
	304-121024-01	12/10/2024	DP	6.98	168	12.9
MW-2A	304-031924-02	3/19/2024	DP	7.10	288	13.1
	304-060524-02	6/5/2024	DP	7.12	318.3	14.0
	304-092524-02	9/25/2024	DP	7.22	356	13.6
	304-121024-02	12/10/2024	DP	7.01	401	13.2
MW-3	304-031924-03	3/19/2024	DP	7.12	434	10.9
	304-060524-03	6/5/2024	DP	7.01	383	10.3
	304-092624-03	9/26/2024	DP	6.71	351.9	12.5
	304-121024-03	12/10/2024	DP	7.27	386	10.6
MW-4	304-031924-04	3/19/2024	SP	7.36	366	14.8
	304-060524-04	6/5/2024	SP	7.34	311.4	14.5
	304-092624-04	9/26/2024	SP	7.11	299.6	14.4
	304-121024-04	12/10/2024	SP	7.43	355	13.7
MW-5A	304-031924-05	3/19/2024	DP	7.42	405	12.5
	304-030524-05	6/5/2024	DP	7.49	315.3	13.3
	304-092524-05	9/25/2024	DP	7.45	269	12.8
	304-121024-05	12/10/2024	DP	7.38	328	12.1
MW-6	304-031924-06	3/19/2024	DP	7.53	380	10.8
	304-060524-06	6/5/2024	DP	7.54	352	10.4
	304-092624-06	9/26/2024	DP	6.95	348.2	11.5
	304-121124-06	12/11/2024	DP	7.29	385	10.6
MW-7	304-031924-07	3/19/2024	DP	7.49	374	11.3
	304-060524-07	6/5/2024	DP	7.52	375	10.7
	304-092624-07	9/26/2024	DP	7.36	344.8	11.6
	304-121124-07	12/11/2024	DP	7.34	336	10.8
MW-9	304-031924-09	3/19/2024	DP	6.57	135	10.4
	304-060524-09	6/5/2024	DP	6.42	136	9.9
	304-092524-09	9/25/2024	DP	6.80	131	11.1
	304-121124-09	12/11/2024	DP	6.67	130	9.9
MW-10	304-031924-10	3/19/2024	DP	6.21	271	11.9
	304-060524-10	6/5/2024	DP	6.33	269.7	12.7
	304-092524-09	9/25/2024	DP	6.10	264	12.6
	304-121024-10	12/11/2024	DP	6.34	303	11.7

Groundwater Database - Field Parameters
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Location	Sample Number	Sample Date	Sampling Method	pH	Specific Conductivity	Temperature
Leak Detection System						
LDCS-1	304-032024-12	3/20/2024	DB	6.47	333	21.2
	304-060624-12	6/6/2024	DB	6.41	729	28.2
	304-092424-12	9/24/2024	DB	6.01	335.2	22.4
	304-121824-12	12/18/2024	DB	6.31	523	20.4
LDCS-2A	304-032024-13	3/20/2024	DB	6.43	803	20.7
	304-060624-13	6/6/2024	DB	7.00	637	31.3
	304-092424-13	9/24/2024	DB	6.19	867	22.2
	304-121824-13	12/18/2024	DB	6.96	906	21.0
LDCS-2B	304-032024-14	03/20/24	DB	6.71	1030	16.0
	304-060624-14	06/06/24	DB	6.82	1662	25.2
	304-092424-14	09/24/24	DB	6.64	589	17.8
	304-121824-14	12/18/24	DB	5.98	896	16.4
LDCS-3A	304-032024-15	03/20/24	DP	6.20	878	19.4
	304-060624-15	06/06/24	DP	6.25	1288	21.1
	304-092424-15	09/24/24	DP	6.20	883	20.7
	304-121124-15	12/11/24	DP	6.10	981	19.3
LDCS-4A	304-032024-16	03/20/24	DP	6.59	1168	21.1
	304-060724-16	06/07/24	DP	6.39	1744	24.4
	304-092494-16	09/24/24	DP	6.31	1171	25.1
	304-121124-16	12/11/24	DP	6.30	1168	24.2
LDCS-4B	304-032024-17	03/20/24	DP	6.19	1001	25.8
	304-061324-17	06/13/24	DP	6.52	1112	21.2
	304-092424-17	09/24/24	DP	6.67	1387	22.9
	304-121124-17	12/11/24	DP	6.70	961	19.0
LDCS-5	304-032024-18	03/20/24	DP	6.12	6.83	21.3
	304-060624-18	06/06/24	DP	6.09	551	26.3
	304-092524-18	09/25/24	DP	6.33	805	23.6
	304-121124-18	12/11/24	DP	6.29	922	23.6
LDCS-6	304-032024-19	03/20/24	DP	6.36	1137	21.4
	304-060624-19	06/06/24	DP	6.25	1057	26.6
	304-092524-19	09/25/24	DP	6.50	1070	23.3
	304-121124-19	12/11/24	DP	6.21	1000	18.6
LDCS-7	304-032024-20	03/20/24	DP	6.09	661	23.0
	304-060624-20	06/06/24	DP	6.14	1015	23.6
	304-092524-20	09/25/24	DP	6.65	795	23.7
	304-121124-20	12/11/24	DP	6.07	1007	23.5
LDCS-8	304-032024-21	03/20/24	GB	6.19	989	21.6
	304-060624-21	06/06/24	GB	6.25	1034	28.3
	304-092524-21	09/25/24	GB	6.41	943	26.0
	304-121824-22	12/18/24	GB	6.28	982	24.7
LDCS-9	304-032024-22	03/20/24	GB	5.71	827	12.5
	304-060624-22	06/06/24	GB	6.02	792	18.8
	304-092524-22	09/25/24	GB	6.48	823	19.6
	304-121124-23	12/11/24	GB	5.75	860	14.5

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Location	Sample Number	Sample Date	Sampling Method	pH	Specific Conductivity	Temperature
Leachate						
Leachate, Cell 1	304-122024-24	12/20/2024	GB	7.31	36495	24.30
Leachate, Cell 2A	304-120624-25	12/6/2024	GB	8.07	25882	8.00
Leachate, Cell 2B	304-120624-26	12/6/2024	GB	7.79	19757	18.00
Leachate, Cell 3A	304-120624-27	12/6/2024	GB	7.66	19957	18.00
Leachate, Cell 4A	304-122024-28	12/20/2024	GB	7.52	34277	17.50
Leachate, Cell 4B	304-122024-29	12/20/2024	GB	7.58	32773	25.00
Leachate, Cell 5	304-122024-30	12/20/2024	GB	7.82	30342	25.10
Leachate, Cell 6	304-120624-31	12/6/2024	GB	8.08	32919	33.40
Leachate, Cell 7	304-120624-32	12/6/2024	GB	7.98	20677	29.30
Leachate, Cell 8	304-120624-33	12/6/2024	PP	7.94	32386	23.00
Leachate, Cell 9	304-120624-34	12/6/2024	GB	7.63	19481	20.20

Notes:
DB = Dedicated bailer
DP = Dedicated pump
GB = Grab sample
NM = Not measured
SP = Submersible pump
PP = Peristaltic Pump

Groundwater Database - Inorganic Parameters
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Location	Sample ID	Sample Date	Alkalinity, Total	Ammonia	Chloride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Suspended Solids
Monitoring Well										
MW-1A	304-031924-01	3/19/2024	61	*	0.58	*	8.4	95	1.4	490
	304-060524-01	6/5/2024	67	*	0.39	*	23	100	1.5	58
	304-092524-01	9/25/2024	65	0.19	1.1	*	21	120	1.5	*
	304-121024-01	12/10/2024	46	*	0.37	*	22	97	1.2	24
MW-2A	304-031924-02	3/19/2024	130	0.13	3.7	*	18	180	*	6.8
	304-060524-02	6/5/2024	130	0.18	4	*	27	210	1.6	*
	304-092524-02	9/25/2024	140	0.28	4.5	*	34	240	1.8	*
	304-121024-02	12/10/2024	140	0.26	4.4	*	35	250	1.7	*
MW-3	304-031924-03	3/19/2024	200	0.12	4	0.64	30	240	1.3	*
	304-060524-03	6/5/2024	160	0.13	4.1	*	33	230	1.9	*
	304-092624-03	9/26/2024	140	0.1	4.2	*	36	240	2.7	*
	304-121024-03	12/10/2024	140	0.11	4.1	*	34	220	1.6	*
MW-4	304-031924-04	3/19/2024	170	*	3.8	*	13	210	1.4	9.6
	304-060524-04	6/5/2024	150	*	3.3	*	10	210	1.2	37
	304-092624-04	9/26/2024	65	0.19	1.1	*	21	120	1.5	*
	304-121024-04	12/10/2024	140	*	3.3	*	8.8	220	2.1	500
MW-5A	304-031924-05	3/19/2024	200	0.17	3.9	*	22	240	1.1	*
	304-030524-05	6/5/2024	150	0.13	2.8	*	10	190	1.6	*
	304-092524-05	9/25/2024	130	0.11	2.2	*	4	170	1.6	*
	304-121024-05	12/10/2024	130	0.14	2.2	*	3.6	170	1.4	*
MW-6	304-031924-06	3/19/2024	190	0.14	6.1	*	8	210	1.2	*
	304-060524-06	6/5/2024	170	0.13	5.9	*	7.9	220	1.8	*
	304-092624-06	9/26/2024	170	0.13	5.5	*	7.7	250	3	*
	304-121124-06	12/11/2024	180	0.12	6.1	*	8.3	220	1.8	*

Groundwater Database - Inorganic Parameters
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Location	Sample ID	Sample Date	Alkalinity, Total	Ammonia	Chloride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Suspended Solids
MW-7	304-031924-07	3/19/2024	200	0.19	3.4	*	4.1	200	*	*
	304-060524-07	6/5/2024	200	0.22	3.9	*	3	230	1.6	*
	304-092624-07	9/26/2024	180	0.17	3.4	*	4.2	220	2.6	*
	304-121124-07	12/11/2024	160	0.19	3	*	4.9	200	1.3	*
MW-9	304-031924-09	3/19/2024	67	*	1.6	*	1.6	110	*	*
	304-060524-09	6/5/2024	63	*	1.7	*	1.7	120	*	*
	304-092524-09	9/25/2024	63	*	1.6	*	1.7	130	1.1	*
	304-121124-09	12/11/2024	67	*	1.6	*	1.8	120	*	*
MW-10	304-031924-10	3/19/2024	120	*	6.9	2.7	6.3	180	*	*
	304-060524-10	6/5/2024	120	*	7	2.3	6.5	190	*	*
	304-092524-09	9/25/2024	110	*	7	2.5	6.3	190	1.5	*
	304-121024-10	12/11/2024	100	*	6.5	2.4	6.1	180	1.2	*
Leak Detection System										
LDCS-1	304-032024-12	3/20/2024	210	2	5.2	*	6.8	310	210	-
	304-060624-12	6/6/2024	210	0.32	5.1	*	*	350	130	-
	304-092424-12	9/24/2024	330	0.34	5.1	*	5	380	26	-
	304-121824-12	12/18/2024	200	0.35	10	*	5.1	250	71	-
LDCS-2A	304-032024-13	3/20/2024	400	0.8	10	*	34	500	5.9	-
	304-060624-13	6/6/2024	430	0.65	9.9	*	19	500	35	-
	304-092424-13	9/24/2024	450	0.53	10	*	23	530	23	-
	304-121824-13	12/18/2024	420	0.19	14	*	16	500	6.7	-
LDCS-2B	304-032024-14	3/20/2024	360	2.6	29	*	42	520	68	-
	304-060624-14	6/6/2024	380	3.1	28	*	27	530	88	-
	304-092424-14	9/24/2024	490	4.5	34	*	38	670	140	-
	304-121824-14	12/18/2024	330	2.8	31	*	36	450	89	-

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Location	Sample ID	Sample Date	Alkalinity, Total	Ammonia	Chloride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Suspended Solids
LDCS-3A	304-032024-15	3/20/2024	410	0.28	4.7	*	59	520	2	-
	304-060624-15	6/6/2024	430	0.18	4.5	*	53	550	2.2	-
	304-092424-15	9/24/2024	420	0.23	4.8	*	56	530	3	-
	304-121124-15	12/11/2024	380	0.23	3 U	*	44	470	3.4	-
LDCS-4A	304-032024-16	3/20/2024	320	*	32	*	270	770	6.1	-
	304-060724-16	6/7/2024	370	0.26	17	*	200	830	6.7	-
	304-092494-16	9/24/2024	400	0.29	21	*	210	790	4.6	-
	304-121124-16	12/11/2024	340	0.17	16	*	150	580	6.6	-
LDCS-4B	304-032024-17	3/20/2024	320	0.17	33	*	160	620	6.7	-
	304-061324-17	6/13/2024	440	*	30	*	110	640	7.2	-
	304-092424-17	9/24/2024	450	*	34	*	280	960	6.9	-
	304-121124-17	12/11/2024	330	*	17	*	56	460	8	-
LDCS-5	304-032024-18	3/20/2024	240	0.33	33	*	59	400	10	-
	304-060624-18	6/6/2024	220	0.14	12	*	41	320	12	-
	304-092524-18	9/25/2024	360	0.31	24	*	61	510	11	-
	304-121124-18	12/11/2024	280	0.24	19	*	81	480	23	-
LDCS-6	304-032024-19	3/20/2024	450	0.23	28	*	120	680	3.9	-
	304-060624-19	6/6/2024	430	0.18	25	*	110	640	4.2	-
	304-092524-19	9/25/2024	420	0.18	31	*	130	680	4.7	-
	304-121124-19	12/11/2024	410	0.15	17	*	80	590	4.9	-

Groundwater Database - Inorganic Parameters
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Location	Sample ID	Sample Date	Alkalinity, Total	Ammonia	Chloride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Suspended Solids
LDCS-7	304-032024-20	3/20/2024	360	0.21	7.1	*	24	450	5.4	-
	304-060624-20	6/6/2024	380	0.16	5.5	*	33	500	7.4	-
	304-092524-20	9/25/2024	370	0.22	5.7	*	11	460	45	-
	304-121124-20	12/11/2024	260	*	5.5	*	130	480	6.2	-
LDCS-8	304-032024-21	3/20/2024	460	0.14	22	*	59	570	6.8	-
	304-060624-21	6/6/2024	510	*	18	*	44	620	8	-
	304-092524-21	9/25/2024	520	*	20	*	55	600	6.7	-
	304-121824-22	12/18/2024	440	*	14	*	38	550	6.3	-
LDCS-9	304-032024-22	3/20/2024	400	0.15	6.2	*	47	500	2.7	-
	304-060624-22	6/6/2024	380	*	5.9	*	42	490	3	-
	304-092524-22	9/25/2024	390	*	5.7	*	41	490	2.6	-
	304-121124-23	12/11/2024	400	*	5.3	*	24	460	2.6	-
Leachate										
Leachate, Cell 1	304-122024-24	12/20/2024	9100	1900	8100	11	*	18000	1800	-
Leachate, Cell 2A	304-120624-25	12/6/2024	9900	1600	4100	*	56	13000	1100	-
Leachate, Cell 2B	304-120624-26	12/6/2024	7300	1400	2800	*	11	9000	1700	-
Leachate, Cell 3A	304-120624-27	12/6/2024	8200	1500	2600	1.7	*	10000	1300	-
Leachate, Cell 4A	304-122024-28	12/20/2024	11000	2300	4900	23	*	15000	1700	-
Leachate, Cell 4B	304-122024-29	12/20/2024	12000	2400	5000	25	6.4	17000	1900	-
Leachate, Cell 5	304-122024-30	12/20/2024	12000	2300	3600	7.9	17	15000	2000	-
Leachate, Cell 6	304-120624-31	12/6/2024	15000	3800	4200	*	59	18000	4400	-
Leachate, Cell 7	304-120624-32	12/6/2024	11000	2300	2900	*	*	12000	2100	-
Leachate, Cell 8	304-120624-33	12/6/2024	9600	2700	2300	*	9.4	9300	2000	-
Leachate, Cell 9	304-120624-34	12/6/2024	8100	1900	2100	*	*	9000	1300	-

Groundwater Database - Inorganic Parameters
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Location	Sample ID	Sample Date	Alkalinity, Total	Ammonia	Chloride	Nitrate	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Suspended Solids
Quality Control										
QC, FB	304-031924-11	3/19/2024	*	*	*	*	*	*	*	*
QC, FB	304-060524-11	6/5/2024	*	*	*	*	*	*	*	*
QC, FB	304-092624-11	9/26/2024	*	*	*	*	*	*	*	*
QC, FB	304-121124-25	12/11/2024	*	*	*	*	*	*	*	*

Notes:
H = Sample was prepped or analyzed beyond the specified holding time
U = Sample result was not reported at or above the MRL
- = Not analyzed

Groundwater Database - Appendix I Metals
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Location	Sample Number	Sample Date	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
Monitoring Well												
MW-1A	304-031924-01	3/19/2024		0.05 U		0.02		0.27		0.001 U		0.001 U
	304-060524-01	6/5/2024		0.05 U		0.005 U		0.034		0.001 U		0.001 U
	304-092524-01	9/25/2024		0.05 U		0.005 U		0.016		0.001 U		0.001 U
	304-121024-01	12/10/2024		0.05 U		0.005 U		0.015		0.001 U		0.001 U
MW-2A	304-031924-02	3/19/2024		0.05 U		0.005 U		0.015		0.001 U		0.001 U
	304-060524-02	6/5/2024		0.05 U		0.005 U		0.017		0.001 U		0.001 U
	304-092524-02	9/25/2024		0.05 U		0.005 U		0.018		0.001 U		0.001 U
	304-121024-02	12/10/2024		0.05 U		0.005 U		0.018		0.001 U		0.001 U
MW-3	304-031924-03	3/19/2024		0.05 U		0.005 U		0.016		0.001 U		0.001 U
	304-060524-03	6/5/2024		0.05 U		0.005 U				0.001 U		0.001 U
	304-092624-03	9/26/2024		0.05 U		0.005 U		0.013		0.001 U		0.001 U
	304-121024-03	12/10/2024		0.05 U		0.005 U		0.013		0.001 U		0.001 U
MW-4	304-031924-04	3/19/2024		0.05 U		0.011		0.018		0.001 U		0.001 U
	304-060524-04	6/5/2024		0.05 U		0.013		0.03		0.001 U		0.001 U
	304-092624-04	9/26/2024		0.05 U		0.005 U		0.016		0.001 U		0.001 U
	304-121024-04	12/10/2024		0.05 U		0.017		0.086		0.001 U		0.001 U
MW-5A	304-031924-05	3/19/2024		0.05 U		0.006		0.016		0.001 U		0.001 U
	304-030524-05	6/5/2024		0.05 U		0.0053		0.01		0.001 U		0.001 U
	304-092524-05	9/25/2024		0.05 U		0.005 U		0.011		0.001 U		0.001 U
	304-121024-05	12/10/2024		0.05 U		0.005 U		0.011		0.001 U		0.001 U
MW-6	304-031924-06	3/19/2024		0.05 U		0.0079		0.016		0.001 U		0.001 U
	304-060524-06	6/5/2024		0.05 U		0.0076		0.013		0.001 U		0.001 U
	304-092624-06	9/26/2024		0.05 U		0.0071		0.013		0.001 U		0.001 U
	304-121124-06	12/11/2024		0.05 U		0.0076		0.018		0.001 U		0.001 U
MW-7	304-031924-07	3/19/2024		0.05 U		0.0056		0.015		0.001 U		0.001 U
	304-060524-07	6/5/2024		0.05 U		0.0057		0.016		0.001 U		0.001 U
	304-092624-07	9/26/2024		0.05 U		0.0051		0.013		0.001 U		0.001 U
	304-121124-07	12/11/2024		0.05 U		0.0058		0.016		0.001 U		0.001 U
MW-9	304-031924-09	3/19/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U
	304-060524-09	6/5/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U
	304-092524-09	9/25/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U
	304-121124-09	12/11/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U

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Location	Sample Number	Sample Date	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total	Lead, Dissolved	Lead, Total	Nickel, Dissolved	Nickel, Total
Monitoring Well												
MW-1A	304-031924-01	3/19/2024		0.089		0.034		0.17		0.033		0.089
	304-060524-01	6/5/2024		0.005 U		0.0025		0.015		0.003		0.02 U
	304-092524-01	9/25/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121024-01	12/10/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
MW-2A	304-031924-02	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-060524-02	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092524-02	9/25/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121024-02	12/10/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
MW-3	304-031924-03	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-060524-03	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092624-03	9/26/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121024-03	12/10/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
MW-4	304-031924-04	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-060524-04	6/5/2024		0.005 U		0.001 U		0.01 U		0.0036		0.02 U
	304-092624-04	9/26/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121024-04	12/10/2024		0.015		0.0058		0.058		0.024		0.02 U
MW-5A	304-031924-05	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-030524-05	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092524-05	9/25/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121024-05	12/10/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
MW-6	304-031924-06	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-060524-06	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092624-06	9/26/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121124-06	12/11/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
MW-7	304-031924-07	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-060524-07	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092624-07	9/26/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121124-07	12/11/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
MW-9	304-031924-09	3/19/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-060524-09	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092524-09	9/25/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121124-09	12/11/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U

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Location	Sample Number	Sample Date	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
Monitoring Well												
MW-1A	304-031924-01	3/19/2024		0.005 U		0.001 U		0.005 U		0.12		0.34
	304-060524-01	6/5/2024		0.005 U		0.001 U		0.005 U		0.0079		0.028
	304-092524-01	9/25/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121024-01	12/10/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
MW-2A	304-031924-02	3/19/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-060524-02	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-092524-02	9/25/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121024-02	12/10/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
MW-3	304-031924-03	3/19/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-060524-03	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-092624-03	9/26/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121024-03	12/10/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
MW-4	304-031924-04	3/19/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.036
	304-060524-04	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.041
	304-092624-04	9/26/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121024-04	12/10/2024		0.005 U		0.001 U		0.005 U		0.029		0.21
MW-5A	304-031924-05	3/19/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-030524-05	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-092524-05	9/25/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121024-05	12/10/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
MW-6	304-031924-06	3/19/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-060524-06	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-092624-06	9/26/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121124-06	12/11/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
MW-7	304-031924-07	3/19/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-060524-07	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-092624-07	9/26/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
	304-121124-07	12/11/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
MW-9	304-031924-09	3/19/2024		0.005 U		0.001 U		0.005 U		0.014		0.01 U
	304-060524-09	6/5/2024		0.005 U		0.001 U		0.005 U		0.015		0.01 U
	304-092524-09	9/25/2024		0.005 U		0.001 U		0.005 U		0.016		0.01 U
	304-121124-09	12/11/2024		0.005 U		0.001 U		0.005 U		0.016		0.01 U

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Location	Sample Number	Sample Date	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
	304-031924-10	3/19/2024										
MW-10	304-060524-10	6/5/2024		0.05 U		0.005 U		0.015		0.001 U		0.001 U
	304-092524-09	9/25/2024		0.05 U		0.005 U		0.014		0.001 U		0.001 U
	304-121024-10	12/11/2024		0.05 U		0.005 U		0.015		0.001 U		0.001 U
				0.05 U		0.005 U		0.017		0.001 U		0.001 U
Leak Detection System												
LDCS-1	304-032024-12	3/20/2024	0.05 U		0.0063		0.014					
	304-060624-12	6/6/2024	0.05 U		0.11		0.044					
	304-092424-12	9/24/2024	0.05 U		0.21		0.13					
	304-121824-12	12/18/2024	0.05 U		0.005 U		0.0082					
LDCS-2A	304-032024-13	3/20/2024	0.05 U		0.059		0.083					
	304-060624-13	6/6/2024	0.05 U		0.056		0.061					
	304-092424-13	9/24/2024	0.05 U		0.19		0.18					
	304-121824-13	12/18/2024	0.05 U		0.005 U		0.031					
LDCS-2B	304-032024-14	03/20/24	0.05 U		0.33		0.18					
	304-060624-14	06/06/24	0.05 U		0.31		0.13					
	304-092424-14	09/24/24	0.05 U		9.6		2.6					
	304-121824-14	12/18/24	0.05 U		0.029		0.051					
LDCS-3A	304-032024-15	03/20/24	0.05 U		0.016		0.022					
	304-060624-15	06/06/24										
	304-092424-15	09/24/24	0.05 U		0.02		0.022					
	304-121124-15	12/11/24	0.05 U		0.02		0.02					
LDCS-4A	304-032024-16	03/20/24	0.05 U		0.005 U		0.018					
	304-060724-16	06/07/24	0.05 U		0.0086		0.025					
	304-092494-16	09/24/24	0.05 U		0.013		0.044					
	304-121124-16	12/11/24	0.05 U		0.0062		0.028					
LDCS-4B	304-032024-17	03/20/24	0.05 U		0.0067		0.024					
	304-061324-17	06/13/24	0.05 U		0.005 U		0.025					
	304-092424-17	09/24/24	0.05 U		0.005 U		0.046					
	304-121124-17	12/11/24	0.05 U		0.005 U		0.018					
LDCS-5	304-032024-18	03/20/24	0.05 U		0.0053		0.034		0.001 U		0.001 U	
	304-060624-18	06/06/24	0.05 U		0.005 U		0.027		0.001 U		0.001 U	
	304-092524-18	09/25/24	0.05 U		0.0063		0.046		0.001 U		0.001 U	
	304-121124-18	12/11/24	0.05 U		0.005 U		0.054		0.001 U		0.001 U	

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Location	Sample Number	Sample Date	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total	Lead, Dissolved	Lead, Total	Nickel, Dissolved	Nickel, Total
	304-031924-10	3/19/2024										
MW-10	304-060524-10	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-092524-09	9/25/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
	304-121024-10	12/11/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
				0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
Leak Detection System												
LDCS-1	304-032024-12	3/20/2024	0.005 U		0.002		0.01 U		0.002 U		0.02 U	
	304-060624-12	6/6/2024	0.005 U		0.0012		0.01 U		0.002 U		0.02 U	
	304-092424-12	9/24/2024	0.0073		0.0023		0.01 U		0.002 U		0.02 U	
	304-121824-12	12/18/2024	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
LDCS-2A	304-032024-13	3/20/2024	0.005 U		0.0015		0.01 U		0.002 U		0.02 U	
	304-060624-13	6/6/2024	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-092424-13	9/24/2024	0.033		0.041		0.24		0.012		0.048	
	304-121824-13	12/18/2024	0.005 U		0.0028		0.01 U		0.002 U		0.02 U	
LDCS-2B	304-032024-14	03/20/24	0.005 U		0.0032		0.01 U		0.002 U		0.02 U	
	304-060624-14	06/06/24	0.005 U		0.0037		0.01 U		0.002 U		0.02 U	
	304-092424-14	09/24/24	0.042		0.092		2.9		0.093		0.17	
	304-121824-14	12/18/24	0.005 U		0.0042		0.01 U		0.002 U		0.02 U	
LDCS-3A	304-032024-15	03/20/24			0.0043		0.01 U		0.002 U		0.02 U	
	304-060624-15	06/06/24	0.005 U									
	304-092424-15	09/24/24			0.003		0.01 U		0.002 U		0.02 U	
	304-121124-15	12/11/24	0.005 U		0.004		0.01 U		0.002 U		0.02 U	
			0.005 U									
LDCS-4A	304-032024-16	03/20/24			0.001 U		0.01 U		0.002 U		0.02 U	
	304-060724-16	06/07/24	0.005 U		0.0018		0.012		0.002 U		0.02 U	
	304-092494-16	09/24/24	0.005 U		0.0022		0.01 U		0.002 U		0.02 U	
	304-121124-16	12/11/24	0.005 U		0.001		0.01 U		0.002 U		0.02 U	
LDCS-4B	304-032024-17	03/20/24	0.005 U		0.0014		0.01 U		0.002 U		0.02 U	
	304-061324-17	06/13/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-092424-17	09/24/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-121124-17	12/11/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
LDCS-5	304-032024-18	03/20/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-060624-18	06/06/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-092524-18	09/25/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-121124-18	12/11/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	

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Location	Sample Number	Sample Date	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
	304-031924-10	3/19/2024										
MW-10	304-060524-10	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01
	304-092524-09	9/25/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.011
	304-121024-10	12/11/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.02
				0.005 U		0.001 U		0.005 U		0.005 U		0.012
Leak Detection System												
LDCS-1	304-032024-12	3/20/2024							0.005 U		0.01 U	
	304-060624-12	6/6/2024							0.014		0.012	
	304-092424-12	9/24/2024							0.038		0.1	
	304-121824-12	12/18/2024							0.005 U		0.01 U	
LDCS-2A	304-032024-13	3/20/2024							0.0053		0.01 U	
	304-060624-13	6/6/2024							0.005 U		0.01 U	
	304-092424-13	9/24/2024							0.076		0.36	
	304-121824-13	12/18/2024							0.005 U		0.01 U	
LDCS-2B	304-032024-14	03/20/24							0.005 U		0.01 U	
	304-060624-14	06/06/24							0.005 U		0.01 U	
	304-092424-14	09/24/24							0.62		0.84	
	304-121824-14	12/18/24							0.005 U		0.01 U	
LDCS-3A	304-032024-15	03/20/24							0.005 U		0.01 U	
	304-060624-15	06/06/24							0.005 U		0.01 U	
	304-092424-15	09/24/24							0.005 U		0.01 U	
	304-121124-15	12/11/24										
LDCS-4A	304-032024-16	03/20/24							0.005 U		0.031	
	304-060724-16	06/07/24							0.005 U		0.01 U	
	304-092494-16	09/24/24							0.005 U		0.012	
	304-121124-16	12/11/24							0.005 U		0.01 U	
LDCS-4B	304-032024-17	03/20/24							0.005 U		0.01 U	
	304-061324-17	06/13/24							0.005 U		0.01 U	
	304-092424-17	09/24/24							0.005 U		0.01 U	
	304-121124-17	12/11/24							0.005 U		0.01 U	
LDCS-5	304-032024-18	03/20/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-060624-18	06/06/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-092524-18	09/25/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-121124-18	12/11/24	0.005 U		0.001 U		0.005 U		0.0099		0.01 U	

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LDCS-6	304-032024-19	03/20/24	0.05 U		0.0052		0.05		0.001 U		0.001 U	
	304-060624-19	06/06/24	0.05 U		0.018		0.059		0.001 U		0.001 U	
	304-092524-19	09/25/24	0.05 U		0.005		0.052		0.001 U		0.001 U	
	304-121124-19	12/11/24	0.05 U		0.015		0.049		0.001 U		0.001 U	
LDCS-7	304-032024-20	03/20/24	0.05 U		0.0066		0.026					
	304-060624-20	06/06/24	0.05 U		0.013		0.029		0.001 U		0.001 U	
	304-092524-20	09/25/24	0.05 U		0.014		0.029		0.001 U		0.001 U	
	304-121124-20	12/11/24	0.05 U		0.0069		0.028		0.001 U		0.001 U	
LDCS-8	304-032024-21	03/20/24	0.05 U		0.0052		0.04		0.001 U		0.001 U	
	304-060624-21	06/06/24	0.05 U		0.0074		0.037		0.001 U		0.001 U	
	304-092524-21	09/25/24	0.05 U		0.01		0.048		0.001 U		0.001 U	
	304-121824-22	12/18/24	0.05 U		0.0063		0.036		0.001 U		0.001 U	
LDCS-9	304-032024-22	03/20/24	0.05 U		0.005 U		0.034		0.001 U		0.001 U	
	304-060624-22	06/06/24	0.05 U		0.005 U		0.033		0.001 U		0.001 U	
	304-092524-22	09/25/24	0.05 U		0.005 U		0.039		0.001 U		0.001 U	
	304-121124-23	12/11/24	0.05 U		0.005 U		0.04		0.001 U		0.001 U	
Leachate												
Leachate, Cell 1	304-122024-24	12/20/2024		0.05 U		0.12		1.6		0.001 U		0.0013
Leachate, Cell 2A	304-120624-25	12/6/2024		0.05 U		0.1		1.1		0.0015 U		0.001 U
Leachate, Cell 2B	304-120624-26	12/6/2024		0.061		0.14		0.85		0.0015 U		0.001 U
Leachate, Cell 3A	304-120624-27	12/6/2024		0.05 U		0.074		1		0.0015 U		0.001 U
Leachate, Cell 4A	304-122024-28	12/20/2024		0.061		0.16		1		0.001 U		0.0011
Leachate, Cell 4B	304-122024-29	12/20/2024		0.05 U		0.1		1.2		0.001 U		0.0012
Leachate, Cell 5	304-122024-30	12/20/2024		0.072		0.21		0.94		0.001 U		0.001 U
Leachate, Cell 6	304-120624-31	12/6/2024		0.05 U		0.22		0.65		0.0015 U		0.001 U
Leachate, Cell 7	304-120624-32	12/6/2024		0.068		0.56		0.98		0.0015 U		0.001 U
Leachate, Cell 8	304-120624-33	12/6/2024		0.05 U		0.19		1.3		0.0015 U		0.001 U
Leachate, Cell 9	304-120624-34	12/6/2024		0.05 U		0.05		0.6		0.0015 U		0.0014
Quality Control												
QC, FB												
QC, FB	304-060524-11	6/5/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U
QC, FB	304-092624-11	9/26/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U
QC, FB	304-121124-25	12/11/2024		0.05 U		0.005 U		0.005 U		0.001 U		0.001 U

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Location	Sample Number	Sample Date	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total	Lead, Dissolved	Lead, Total	Nickel, Dissolved	Nickel, Total
LDCS-6	304-032024-19	03/20/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-060624-19	06/06/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-092524-19	09/25/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-121124-19	12/11/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
LDCS-7	304-032024-20	03/20/24			0.0017		0.01 U		0.002 U		0.02 U	
	304-060624-20	06/06/24	0.005 U		0.0022		0.01 U		0.002 U		0.02 U	
	304-092524-20	09/25/24	0.005 U		0.0026		0.01 U		0.002 U		0.02 U	
	304-121124-20	12/11/24	0.005 U		0.0014		0.01 U		0.002 U		0.02 U	
LDCS-8	304-032024-21	03/20/24	0.005 U		0.0017		0.01 U		0.002 U		0.02 U	
	304-060624-21	06/06/24	0.005 U		0.0018		0.01 U		0.002 U		0.02 U	
	304-092524-21	09/25/24	0.005 U		0.0015		0.01 U		0.002 U		0.02 U	
	304-121824-22	12/18/24	0.005 U		0.0015		0.01 U		0.002 U		0.02 U	
LDCS-9	304-032024-22	03/20/24	0.005 U		0.011		0.01 U		0.002 U		0.02 U	
	304-060624-22	06/06/24	0.005 U		0.001 U		0.01 U		0.002 U		0.02 U	
	304-092524-22	09/25/24	0.005 U		0.0017		0.01 U		0.002 U		0.02 U	
	304-121124-23	12/11/24	0.005 U		0.0025		0.01 U		0.002 U		0.02 U	
Leachate												
Leachate, Cell 1	304-122024-24	12/20/2024		0.46		0.043		0.011		0.009		0.88
Leachate, Cell 2A	304-120624-25	12/6/2024		0.47		0.053		0.023		0.016		0.77
Leachate, Cell 2B	304-120624-26	12/6/2024		0.41		0.033		0.038		0.016		0.46
Leachate, Cell 3A	304-120624-27	12/6/2024		0.48		0.042		0.019		0.017		0.39
Leachate, Cell 4A	304-122024-28	12/20/2024		0.56		0.044		0.031		0.014		0.44
Leachate, Cell 4B	304-122024-29	12/20/2024		0.59		0.038		0.06		0.015		0.58
Leachate, Cell 5	304-122024-30	12/20/2024		0.66		0.055		0.067		0.014		0.6
Leachate, Cell 6	304-120624-31	12/6/2024		0.78		0.04		0.07		0.023		0.32
Leachate, Cell 7	304-120624-32	12/6/2024		1		0.04		0.26		0.074		0.34
Leachate, Cell 8	304-120624-33	12/6/2024		0.77		0.044		0.085		0.021		0.61
Leachate, Cell 9	304-120624-34	12/6/2024		0.47		0.05		0.24		0.13		0.48
Quality Control												
QC, FB												
QC, FB	304-060524-11	6/5/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
QC, FB	304-092624-11	9/26/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U
QC, FB	304-121124-25	12/11/2024		0.005 U		0.001 U		0.01 U		0.002 U		0.02 U

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Location	Sample Number	Sample Date	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
LDCS-6	304-032024-19	03/20/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-060624-19	06/06/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-092524-19	09/25/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-121124-19	12/11/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
LDCS-7	304-032024-20	03/20/24							0.005 U		0.01 U	
	304-060624-20	06/06/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-092524-20	09/25/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-121124-20	12/11/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
LDCS-8	304-032024-21	03/20/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-060624-21	06/06/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-092524-21	09/25/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-121824-22	12/18/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
LDCS-9	304-032024-22	03/20/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-060624-22	06/06/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-092524-22	09/25/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
	304-121124-23	12/11/24	0.005 U		0.001 U		0.005 U		0.005 U		0.01 U	
Leachate												
Leachate, Cell 1	304-122024-24	12/20/2024		0.005 U		0.001		0.005 U		0.26		0.03
Leachate, Cell 2A	304-120624-25	12/6/2024		0.005 U		0.001 U		0.005 U		0.32		0.091
Leachate, Cell 2B	304-120624-26	12/6/2024		0.005 U		0.001 U		0.005 U		0.29		0.047
Leachate, Cell 3A	304-120624-27	12/6/2024		0.005 U		0.001 U		0.005 U		0.22		0.074
Leachate, Cell 4A	304-122024-28	12/20/2024		0.005 U		0.001 U		0.005 U		0.16		0.069
Leachate, Cell 4B	304-122024-29	12/20/2024		0.005 U		0.001 U		0.005 U		0.1		0.063
Leachate, Cell 5	304-122024-30	12/20/2024		0.005 U		0.001 U		0.005 U		0.12		0.1
Leachate, Cell 6	304-120624-31	12/6/2024		0.005 U		0.001 U		0.005 U		0.06		0.18
Leachate, Cell 7	304-120624-32	12/6/2024		0.005 U		0.001 U		0.005 U		0.23		0.41
Leachate, Cell 8	304-120624-33	12/6/2024		0.005 U		0.001 U		0.005 U		0.12		0.11
Leachate, Cell 9	304-120624-34	12/6/2024		0.005 U		0.001 U		0.005 U		0.088		0.77
Quality Control												
QC, FB												
QC, FB	304-060524-11	6/5/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
QC, FB	304-092624-11	9/26/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U
QC, FB	304-121124-25	12/11/2024		0.005 U		0.001 U		0.005 U		0.005 U		0.01 U

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Location	Sample Number	Sample Date	Calcium, Dissolved	Calcium, Total	Iron, Dissolved	Iron, Total	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Potassium, Dissolved	Potassium, Total	Sodium, Dissolved	Sodium, Total
Monitoring Well														
MW-1A	304-031924-01	3/19/2024	14		1.1		7.9		0.19		3.6		12	
	304-060524-01	6/5/2024	13		0.15		4.2		0.089		2.7		7.9	
	304-092524-01	9/25/2024	62		0.1 U		25		0.19		2.7		8.9	
	304-121024-01	12/10/2024	16		0.1 U		4		0.031		2.1		6.8	
MW-2A	304-031924-02	3/19/2024	25		0.86		13		0.29		3.9		17	
	304-060524-02	6/5/2024	24		0.65		12		0.29		3.4		16	
	304-092524-02	9/25/2024	25		0.71		12		0.28		3.8		18	
	304-121024-02	12/10/2024	33		0.94		15		0.34		4.3		18	
MW-3	304-031924-03	3/19/2024	47		0.1 U		20		0.39		4.5		15	
	304-060524-03	6/5/2024	43		0.1 U		17		0.37		4.4		15	
	304-092624-03	9/26/2024	36		0.1 U		16		0.26		4.1		14	
	304-121024-03	12/10/2024	35		0.1 U		15		0.29		3.5		12	
MW-4	304-031924-04	3/19/2024	35		0.1 U		20		0.16		6		14	
	304-060524-04	6/5/2024	34		0.1 U		18		0.12		5.4		13	
	304-092624-04	9/26/2024	36		0.1 U		15		0.074		5.6		15	
	304-121024-04	12/10/2024	42		0.1 U		15		0.005 U		5.1		13	
MW-5A	304-031924-05	3/19/2024	30		0.1 U		12		0.17		4.3		28	
	304-030524-05	6/5/2024	32		0.1 U		12		0.19		4.7		37	
	304-092524-05	9/25/2024	28		0.1 U		12		0.12		4		15	
	304-121024-05	12/10/2024	28		0.1 U		12		0.17		3.7		19	
MW-6	304-031924-06	3/19/2024	38		0.1 U		17		0.23		5.1		11	
	304-060524-06	6/5/2024	37		0.1 U		17		0.28		5.1		11	
	304-092624-06	9/26/2024	34		0.1 U		15		0.19		5.1		11	
	304-121124-06	12/11/2024	44		0.1 U		20		0.28		5.2		12	
MW-7	304-031924-07	3/19/2024	31		0.22		21		0.22		5.8		15	
	304-060524-07	6/5/2024	31		0.24		21		0.23		5.9		15	
	304-092624-07	9/26/2024	36		0.27		24		0.28		6.7		18	
	304-121124-07	12/11/2024	37		0.25		23		0.26		6.5		16	
MW-9	304-031924-09	3/19/2024	11		0.1 U		7.2		0.005 U		2.1		7.9	
	304-060524-09	6/5/2024	11		0.13		7.2		0.005 U		2.2		7.6	
	304-092524-09	9/25/2024	10		0.1 U		6.8		0.005 U		2.3		8.1	
	304-121124-09	12/11/2024	11		0.1 U		6.8		0.005 U		2		7.7	
MW-10	304-031924-10	3/19/2024	26		0.1 U		12		0.005 U		2.3		13	
	304-060524-10	6/5/2024	31		0.1 U		12		0.005 U		2.5		14	
	304-092524-09	9/25/2024	26		0.1 U		11		0.005 U		2.5		13	
	304-121024-10	12/11/2024	24		0.1 U		11		0.005 U		2.1		12	

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Location	Sample Number	Sample Date	Calcium, Dissolved	Calcium, Total	Iron, Dissolved	Iron, Total	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Potassium, Dissolved	Potassium, Total	Sodium, Dissolved	Sodium, Total
Leak Detection System														
LDCS-1	304-032024-12	3/20/2024	36		53		17		2.4		4.7		18	
	304-060624-12	6/6/2024	38		70		16		1.4		4.7		17	
	304-092424-12	9/24/2024	70		120		31		6.8		6.6		20	
	304-121824-12	12/18/2024	39		0.28		19		0.87		5.1		18	
LDCS-2A	304-032024-13	3/20/2024	100		5.5		41		2.7		9.6		30	
	304-060624-13	6/6/2024	110		23		41		3.3		9.5		30	
	304-092424-13	9/24/2024	110		60		40		14		9.9		28	
	304-121824-13	12/18/2024	100		0.1 U		41		8.4		9.9		30	
LDCS-2B	304-032024-14	03/20/24	110		120		45		1.3		7.4		21	
	304-060624-14	06/06/24	100		110		41		1.4		6.4		18	
	304-092424-14	09/24/24	180		1900		46		9.9		8.4		19	
	304-121824-14	12/18/24	82		14		39		1.3		6.1		18	
LDCS-3A	304-032024-15	03/20/24	100		2		47		4.4		6.6		23	
	304-060624-15	06/06/24												
	304-092424-15	09/24/24	96		3.1		44		3.8		6.9		22	
	304-121124-15	12/11/24	100		5		41		4.3		5.8		22	
LDCS-4A	304-032024-16	03/20/24	170		0.1 U		44		0.38		4.5		34	
	304-060724-16	06/07/24	180		2.4		48		1.5		4.1		33	
	304-092494-16	09/24/24	140		1.6		55		2.9		7.3		39	
	304-121124-16	12/11/24	120		0.84		38		1.3		5.2		37	
LDCS-4B	304-032024-17	03/20/24	120		0.68		45		1.3		5.9		30	
	304-061324-17	06/13/24	120		0.1		67		1.7		5		26	
	304-092424-17	09/24/24	170		0.18		61		1.4		7.2		50	
	304-121124-17	12/11/24	92		0.1 U		48		0.055		4.6		20	
LDCS-5	304-032024-18	03/20/24	59		0.27		37		1		6.8		29	
	304-060624-18	06/06/24	49		0.31		29		0.73		5.8		22	
	304-092524-18	09/25/24	84		0.43		51		1.4		8.4		32	
	304-121124-18	12/11/24	69		0.52		36		1.2		7.6		49	
LDCS-6	304-032024-19	03/20/24	100		0.33		84		1.8		7.4		29	
	304-060624-19	06/06/24	94		2.7		74		2.4		6.8		24	
	304-092524-19	09/25/24	98		0.18		85		1.9		7.9		25	
	304-121124-19	12/11/24	96		1.2		66		1.7		7.2		26	
LDCS-7	304-032024-20	03/20/24	86		0.88		35		2.6		4.3		24	
	304-060624-20	06/06/24	44		0.1 U		5.9		3.5		2 U		25	
	304-092524-20	09/25/24	79		1.1		32		3.6		4.8		24	
	304-121124-20	12/11/24	100		1		34		1.8		3.8		18	
LDCS-8	304-032024-21	03/20/24	86		1.1		77		1.8		5.4		24	
	304-060624-21	06/06/24	94		0.57		77		2		4.9		26	
	304-092524-21	09/25/24	88		2.7		87		1.9		6.6		24	
	304-121824-22	12/18/24	86		0.1 U		70		1.9		5.3		24	
LDCS-9	304-032024-22	03/20/24	110		0.1 U		35		1.4		4.3		35	
	304-060624-22	06/06/24	90		0.1 U		34		0.98		4.2		32	
	304-092524-22	09/25/24	99		0.1 U		39		0.86		5.8		38	
	304-121124-23	12/11/24	94		0.1 U		36		1.4		5.9		39	

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Location	Sample Number	Sample Date	Calcium, Dissolved	Calcium, Total	Iron, Dissolved	Iron, Total	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Potassium, Dissolved	Potassium, Total	Sodium, Dissolved	Sodium, Total
Leachate														
Leachate, Cell 1	304-122024-24	12/20/2024		34		13		92		0.25		1000		5700
Leachate, Cell 2A	304-120624-25	12/6/2024		27		7.5		44		0.17		760		4200
Leachate, Cell 2B	304-120624-26	12/6/2024		27		5.7		43		0.13		560		2800
Leachate, Cell 3A	304-120624-27	12/6/2024		54		13		56		0.56		640		3100
Leachate, Cell 4A	304-122024-28	12/20/2024		35		9.1		73		0.24		1300		4800
Leachate, Cell 4B	304-122024-29	12/20/2024		32		8.1		110		0.23		1400		5200
Leachate, Cell 5	304-122024-30	12/20/2024		36		6		78		0.19		1300		4700
Leachate, Cell 6	304-120624-31	12/6/2024		66		13		140		0.37		1400		4800
Leachate, Cell 7	304-120624-32	12/6/2024		64		1.8		88		1		900		3300
Leachate, Cell 8	304-120624-33	12/6/2024		45		9.8		110		0.32		1500		6000
Leachate, Cell 9	304-120624-34	12/6/2024		110		8.2		130		1.2		690		2000
Quality Control														
QC, FB														
QC, FB	304-060524-11	6/5/2024	0.2 U		0.1 U		0.1 U		0.005 U		2 U		1 U	
QC, FB	304-092624-11	9/26/2024	0.2 U		0.1 U		0.1 U		0.005 U		2 U		1 U	
QC, FB	304-121124-25	12/11/2024	0.2 U		0.1 U		0.1 U		0.005 U		2 U		1 U	

Notes:
U = Sample result was not reported at or above the MRL

Groundwater Database - Appendix I VOCs
2024 Annual Monitoring Report
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Acrylonitrile	Benzene	Bromochloromethane
Monitoring Well																						
MW-1A	304-031924-01	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-01	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-01	9/25/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121024-01	12/10/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-2A	304-031924-02	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-02	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-02	9/25/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121024-02	12/10/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-3	304-031924-03	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-03	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092624-03	9/26/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121024-03	12/10/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-4	304-031924-04	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-04	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092624-04	9/26/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121024-04	12/10/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-5A	304-031924-05	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-030524-05	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-05	9/25/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121024-05	12/10/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-6	304-031924-06	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-06	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092624-06	9/26/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-06	12/11/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-7	304-031924-07	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-07	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092624-07	9/26/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-07	12/11/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-9	304-031924-09	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-09	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-09	9/25/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-09	12/11/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
MW-10	304-031924-10	3/19/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060524-10	6/5/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-09	9/25/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121024-10	12/11/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U

Groundwater Database - Appendix I VOCs
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Location	Sample Number	Sample Date	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Ethylbenzene	Iodomethane	Methylene Chloride	m-Xylene & p-Xylene	o-Xylene	Styrene	Tetrachloroethene
Monitoring Well																						
MW-1A	304-031924-01	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-01	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-01	9/25/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121024-01	12/10/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-2A	304-031924-02	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-02	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-02	9/25/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121024-02	12/10/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-3	304-031924-03	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-03	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092624-03	9/26/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121024-03	12/10/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-4	304-031924-04	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-04	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092624-04	9/26/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121024-04	12/10/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-5A	304-031924-05	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-030524-05	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-05	9/25/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121024-05	12/10/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-6	304-031924-06	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-06	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092624-06	9/26/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-06	12/11/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-7	304-031924-07	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-07	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092624-07	9/26/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-07	12/11/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-9	304-031924-09	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-09	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-09	9/25/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-09	12/11/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
MW-10	304-031924-10	3/19/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060524-10	6/5/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-09	9/25/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121024-10	12/11/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

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Location	Sample Number	Sample Date	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	trans-1,4-Dichloro-2-butene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Monitoring Well										
MW-1A	304-031924-01	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-01	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-01	9/25/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121024-01	12/10/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-2A	304-031924-02	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-02	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-02	9/25/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121024-02	12/10/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-3	304-031924-03	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-03	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092624-03	9/26/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121024-03	12/10/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-4	304-031924-04	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-04	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092624-04	9/26/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121024-04	12/10/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-5A	304-031924-05	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-030524-05	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-05	9/25/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121024-05	12/10/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-6	304-031924-06	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-06	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092624-06	9/26/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-06	12/11/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-7	304-031924-07	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-07	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092624-07	9/26/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-07	12/11/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-9	304-031924-09	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-09	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-09	9/25/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-09	12/11/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
MW-10	304-031924-10	3/19/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060524-10	6/5/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-09	9/25/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121024-10	12/11/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U

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Location	Sample Number	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Acrylonitrile	Benzene	Bromochloromethane
Leak Detection System																						
LDCS-1	304-032024-12	3/20/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.95	6 U	5 U	5 U	24	5 U	0.5 U	0.5 U
	304-060624-12	6/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.92	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092424-12	9/24/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	2.2	6 U	5 U	5 U	23	5 U	1.7	0.5 U
	304-121824-12	12/18/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	1.2	6 U	5 U	5 U	20	5 U	0.5 U	0.5 U
LDCS-2A	304-032024-13	3/20/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5	6 U	5 U	5 U	14	5 U	0.5 U	0.5 U
	304-060624-13	6/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092424-13	9/24/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	1	6 U	5 U	5 U	57	5 U	0.5 U	0.5 U
	304-121824-13	12/18/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.51	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-2B	304-032024-14	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	38	5 U	0.5 U	0.5 U
	304-060624-14	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	24	5 U	0.5 U	0.5 U
	304-092424-14	09/24/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	45	5 U	0.5 U	0.5 U
	304-121824-14	12/18/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-3A	304-032024-15	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060624-15	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092424-15	09/24/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-15	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-4A	304-032024-16	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060724-16	06/07/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092494-16	09/24/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-16	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-4B	304-032024-17	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-061324-17	06/13/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092424-17	09/24/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-17	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-5	304-032024-18	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060624-18	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-18	09/25/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-18	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-6	304-032024-19	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060624-19	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-19	09/25/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-19	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-7	304-032024-20	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	1.7	0.5 U
	304-060624-20	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	2.4	0.5 U
	304-092524-20	09/25/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	2	0.5 U
	304-121124-20	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.64	0.5 U

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Location	Sample Number	Sample Date	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Ethylbenzene	Iodomethane	Methylene Chloride	m-Xylene & p-Xylene	o-Xylene	Styrene	Tetrachloroethene
Leak Detection System																						
LDCS-1	304-032024-12	3/20/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-12	6/6/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092424-12	9/24/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.53	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121824-12	12/18/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-2A	304-032024-13	3/20/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-13	6/6/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092424-13	9/24/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121824-13	12/18/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-2B	304-032024-14	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-14	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092424-14	09/24/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121824-14	12/18/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-3A	304-032024-15	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-15	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092424-15	09/24/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-15	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-4A	304-032024-16	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060724-16	06/07/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092494-16	09/24/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-16	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-4B	304-032024-17	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-061324-17	06/13/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092424-17	09/24/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-17	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-5	304-032024-18	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-18	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-18	09/25/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-18	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-6	304-032024-19	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-19	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-19	09/25/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-19	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-7	304-032024-20	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-20	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-20	09/25/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-20	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

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Location	Sample Number	Sample Date	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	trans-1,4-Dichloro-2-butene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
Leak Detection System										
LDCS-1	304-032024-12	3/20/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-12	6/6/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092424-12	9/24/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121824-12	12/18/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-2A	304-032024-13	3/20/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-13	6/6/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092424-13	9/24/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121824-13	12/18/2024	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-2B	304-032024-14	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-14	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092424-14	09/24/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121824-14	12/18/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-3A	304-032024-15	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-15	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092424-15	09/24/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-15	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-4A	304-032024-16	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060724-16	06/07/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092494-16	09/24/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-16	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-4B	304-032024-17	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-061324-17	06/13/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092424-17	09/24/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-17	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-5	304-032024-18	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-18	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-18	09/25/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-18	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-6	304-032024-19	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-19	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-19	09/25/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-19	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-7	304-032024-20	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-20	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-20	09/25/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-20	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U

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Location	Sample Number	Sample Date	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone (MEK)	2-Hexanone	4-Methyl-2-pentanone (MIBK)	Acetone	Acrylonitrile	Benzene	Bromochloromethane
LDCS-8	304-032024-21	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.52	0.5 U
	304-060624-21	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.67	0.5 U
	304-092524-21	09/25/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.64	0.5 U
	304-121824-22	12/18/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
LDCS-9	304-032024-22	03/20/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-060624-22	06/06/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-092524-22	09/25/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
	304-121124-23	12/11/24	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
Leachate																						
Leachate, Cell 1	304-122024-24	12/20/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	11	5500	5 U	180	6800	5 U	15	0.5 U
Leachate, Cell 2A	304-120624-25	12/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	4.3	54	5 U	5 U	10 U	5 U	1.9	0.5 U
Leachate, Cell 2B	304-120624-26	12/6/2024	0.5 U	0.5 U	2	0.5 U	0.5 U	0.5 U	12	2 U	1 U	0.5 U	6.7	0.5 U	6.8	6900	200	670	8600	5 U	8.5	0.5 U
Leachate, Cell 3A	304-120624-27	12/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	12	6 U	5 U	5 U	10 U	5 U	9.6	0.5 U
Leachate, Cell 4A	304-122024-28	12/20/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	9.7	4100	5 U	110	5800	5 U	21	0.5 U
Leachate, Cell 4B	304-122024-29	12/20/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	5.4	2100	5 U	50	6600	15	12	0.5 U
Leachate, Cell 5	304-122024-30	12/20/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	10000	96	320	16000	5 U	12	0.5 U
Leachate, Cell 6	304-120624-31	12/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	3700	58	72	10000	5 U	3.4	0.5 U
Leachate, Cell 7	304-120624-32	12/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	350	89	14	600	5 U	4.6	0.5 U
Leachate, Cell 8	304-120624-33	12/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	89	5 U	29	160	5 U	5.6	0.5 U
Leachate, Cell 9	304-120624-34	12/6/2024	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	220	5 U	89	10 U	5 U	10	0.5 U
Quality Control																						
QC, FB			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
QC, FB			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
QC, FB			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U
QC, FB			0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	6 U	5 U	5 U	10 U	5 U	0.5 U	0.5 U

Notes:
U = Sample result was not reported at or above the MRL

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Location	Sample Number	Sample Date	Bromodichloromethane	Bromoform	Bromomethane	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	cis-1,3-Dichloropropene	Dibromochloromethane	Dibromomethane	Ethylbenzene	Iodomethane	Methylene Chloride	m-Xylene & p-Xylene	o-Xylene	Styrene	Tetrachloroethene
LDCS-8	304-032024-21	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-21	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-21	09/25/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121824-22	12/18/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
LDCS-9	304-032024-22	03/20/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-060624-22	06/06/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-092524-22	09/25/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
	304-121124-23	12/11/24	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
Leachate																						
Leachate, Cell 1	304-122024-24	12/20/2024	0.5 U	2 U	10 U	8	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	37	2.6 U	2 U	62	31	0.5 U	0.5 U
Leachate, Cell 2A	304-120624-25	12/6/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	4.5	2.6 U	2 U	16	9.3	0.5 U	0.5 U
Leachate, Cell 2B	304-120624-26	12/6/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	1.3	0.64 U	0.5 U	2U	2.6	0.5 U	0.5 U	0.5 U	28	2.6 U	2 U	44	26	5	0.5 U
Leachate, Cell 3A	304-120624-27	12/6/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	1.5	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	36	2.6 U	2 U	56	28	4.1	0.5 U
Leachate, Cell 4A	304-122024-28	12/20/2024	0.5 U	2 U	10 U	7	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	36	2.6 U	2 U	57	29	0.5 U	0.5 U
Leachate, Cell 4B	304-122024-29	12/20/2024	0.5 U	2 U	10 U	1.5	0.5 U	0.5 U	0.64 U	0.5 U	2U	2	0.5 U	0.5 U	0.5 U	21	2.6 U	2 U	33	19	1.5	0.5 U
Leachate, Cell 5	304-122024-30	12/20/2024	0.5 U	2 U	10 U	2.1	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	9.7	2.6 U	2 U	10	7	2.1	0.5 U
Leachate, Cell 6	304-120624-31	12/6/2024	0.5 U	2 U	10 U	5	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	5.6	2.6 U	2 U	7.3	5.9	0.5 U	0.5 U
Leachate, Cell 7	304-120624-32	12/6/2024	0.5 U	2 U	10 U	3.8	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	16	2.6 U	2 U	27	17	1.8	0.5 U
Leachate, Cell 8	304-120624-33	12/6/2024	0.5 U	2 U	10 U	11	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	21	2.6 U	2 U	32	20	1.6	0.5 U
Leachate, Cell 9	304-120624-34	12/6/2024	0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2U	0.5 U	0.5 U	0.5 U	0.5 U	20	2.6 U	2 U	40	20	7	0.5 U
Quality Control																						
QC, FB			0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
QC, FB			0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
QC, FB			0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U
QC, FB			0.5 U	2 U	10 U	0.5 U	0.5 U	0.5 U	0.64 U	0.5 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	2.6 U	2 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes:
U = Sample result was not reported at or above the MRL

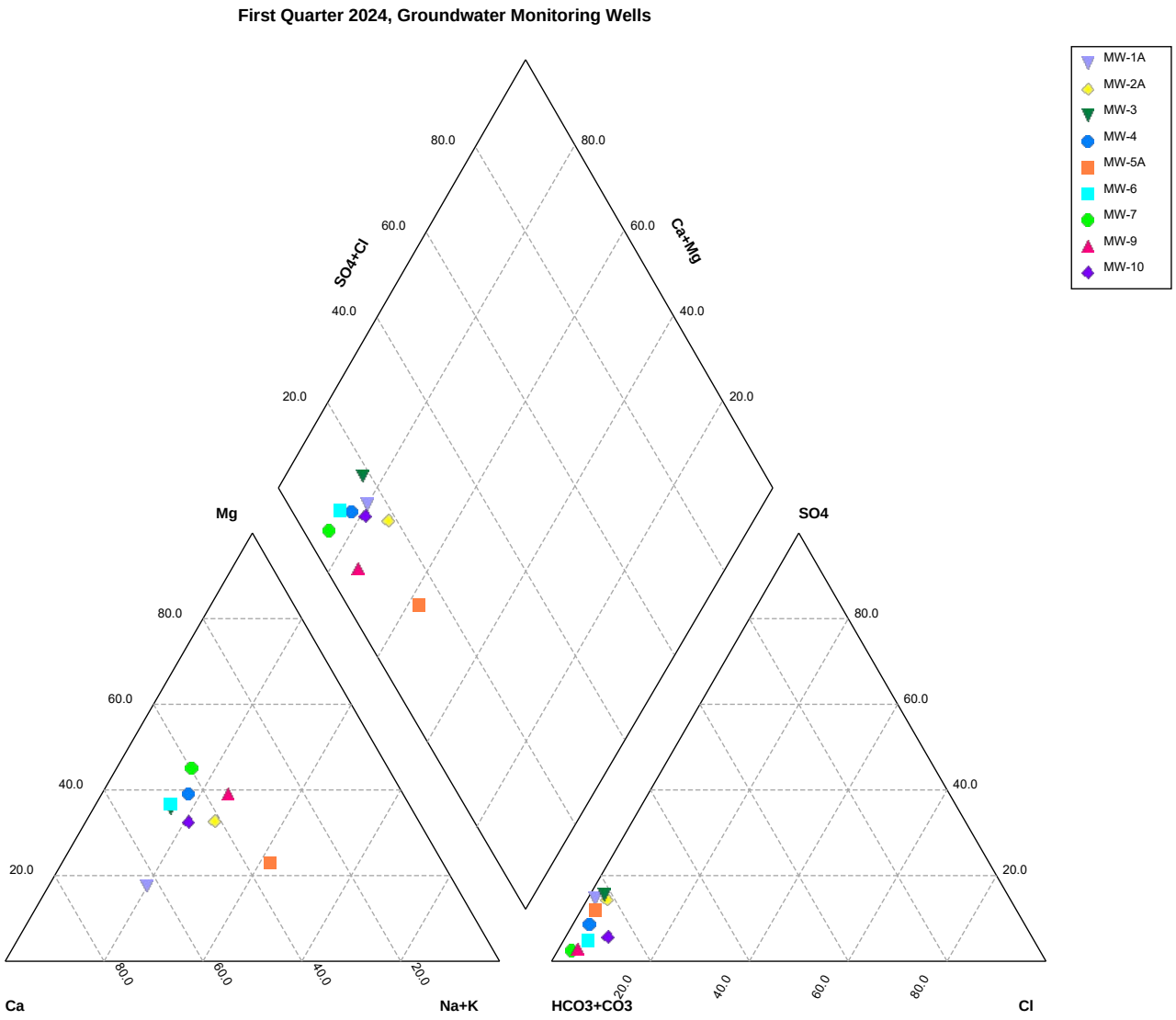
Groundwater Database - Appendix I VOCs
2024 Annual Monitoring Report
LRI Landfill, Pierce County, Washington

Location	Sample Number	Sample Date	Toluene	trans-1,2-Dichloroethene	trans-1,3-Dichloropropene	trans-1,4-Dichloro-2-butene	Trichloroethene	Trichlorofluoromethane	Vinyl acetate	Vinyl chloride
LDCS-8	304-032024-21	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-21	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-21	09/25/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121824-22	12/18/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
LDCS-9	304-032024-22	03/20/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-060624-22	06/06/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-092524-22	09/25/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
	304-121124-23	12/11/24	0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate										
Leachate, Cell 1	304-122024-24	12/20/2024	29	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 2A	304-120624-25	12/6/2024	10	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 2B	304-120624-26	12/6/2024	42	0.5 U	0.5 U	3.5	0.5 U	0.5 U	170	0.5 U
Leachate, Cell 3A	304-120624-27	12/6/2024	20	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 4A	304-122024-28	12/20/2024	60	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 4B	304-122024-29	12/20/2024	42	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 5	304-122024-30	12/20/2024	19	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 6	304-120624-31	12/6/2024	11	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 7	304-120624-32	12/6/2024	40	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 8	304-120624-33	12/6/2024	24	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Leachate, Cell 9	304-120624-34	12/6/2024	120	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
Quality Control										
QC, FB			0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
QC, FB			0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
QC, FB			0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U
QC, FB			0.5 U	0.5 U	0.5 U	3 U	0.5 U	0.5 U	3 U	0.5 U

Notes:
U = Sample result was not reported at or above the MRL

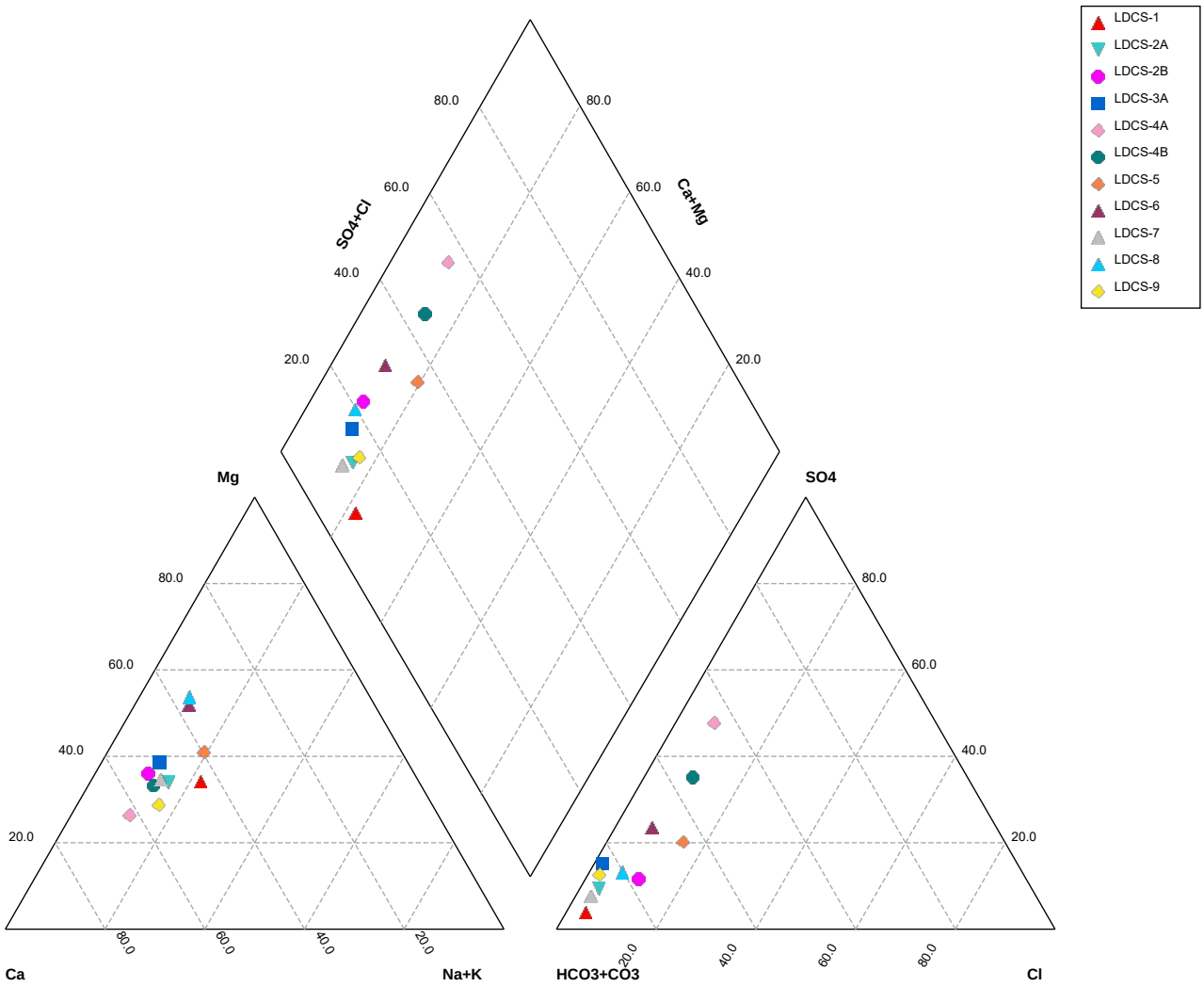
Appendix D

Geochemical Evaluation

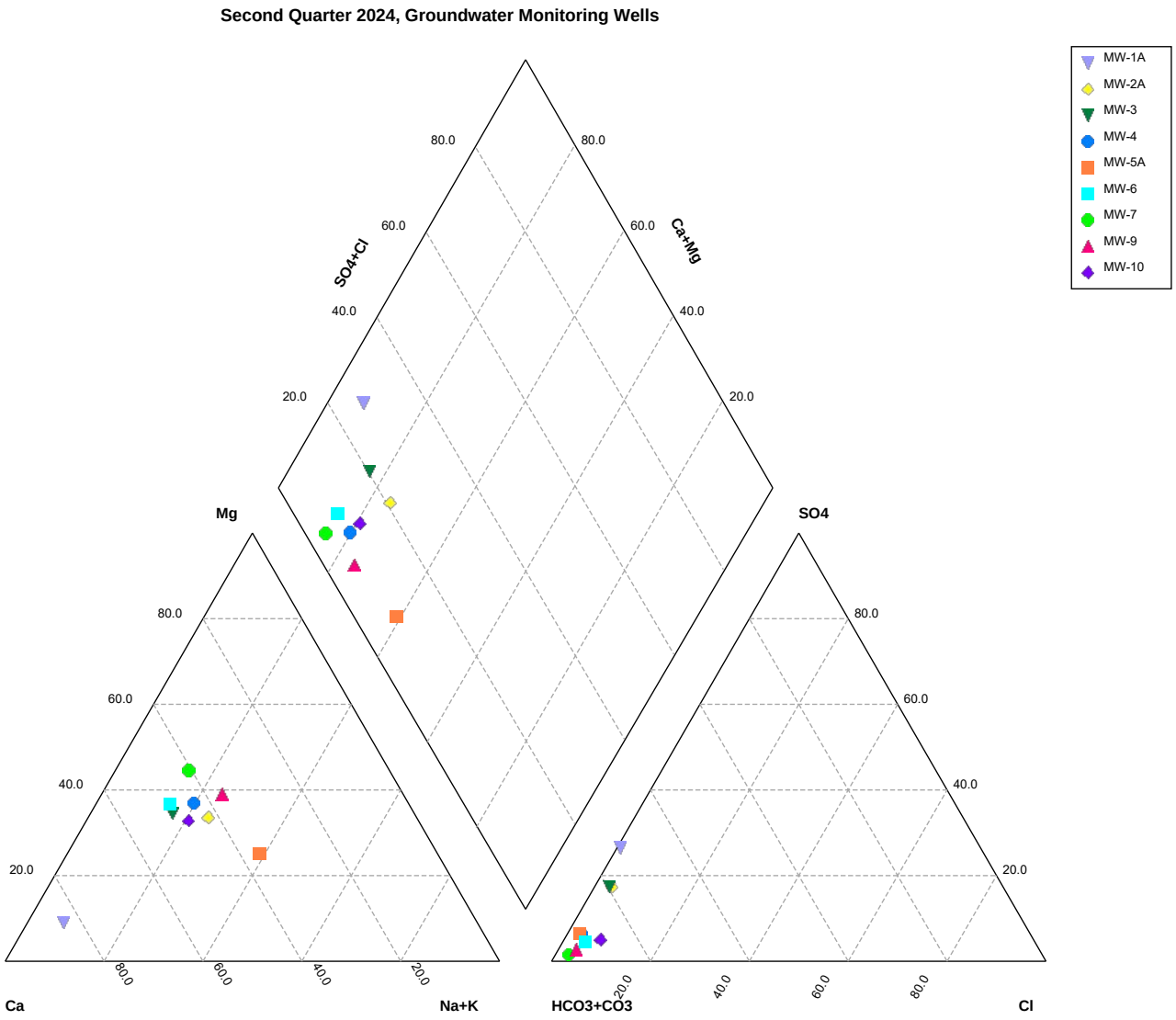


LRI Landfill Piper Diagram – 24Q1	**LRI Inc.** 04224001.02 May 29, 2024

First Quarter 2024, Leak Detection Collection Recovery System

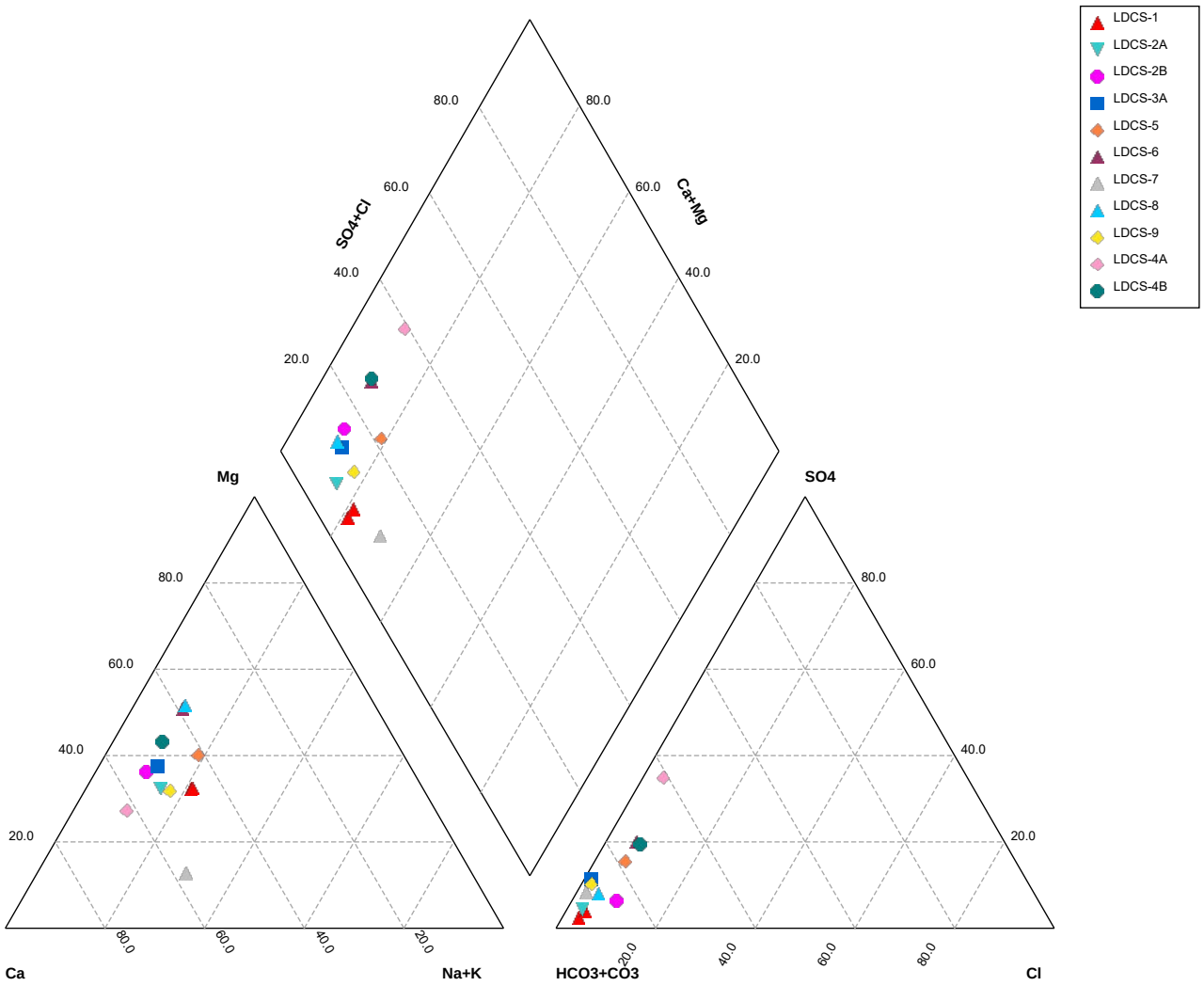


LRI Landfill Piper Diagram – 24Q1	**LRI Inc.** 04224001.02 May 29, 2024



LRI Landfill Piper Diagram – 24Q1	**LRI Inc.** 04224001.02 September 5, 2024

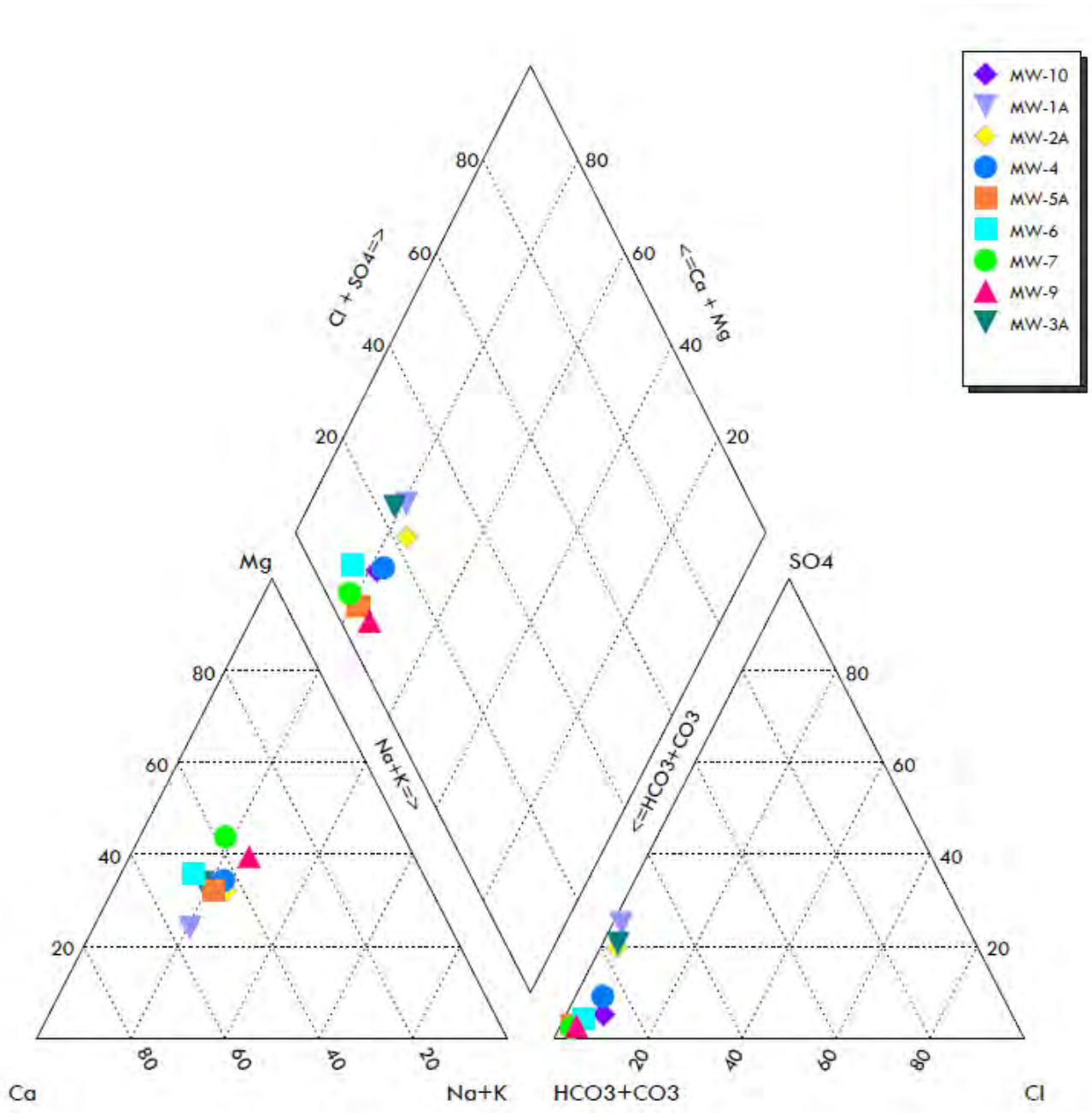
Second Quarter 2024, Leak Detection Collection Recovery System



LRI Landfill

Piper Diagram – 24Q1

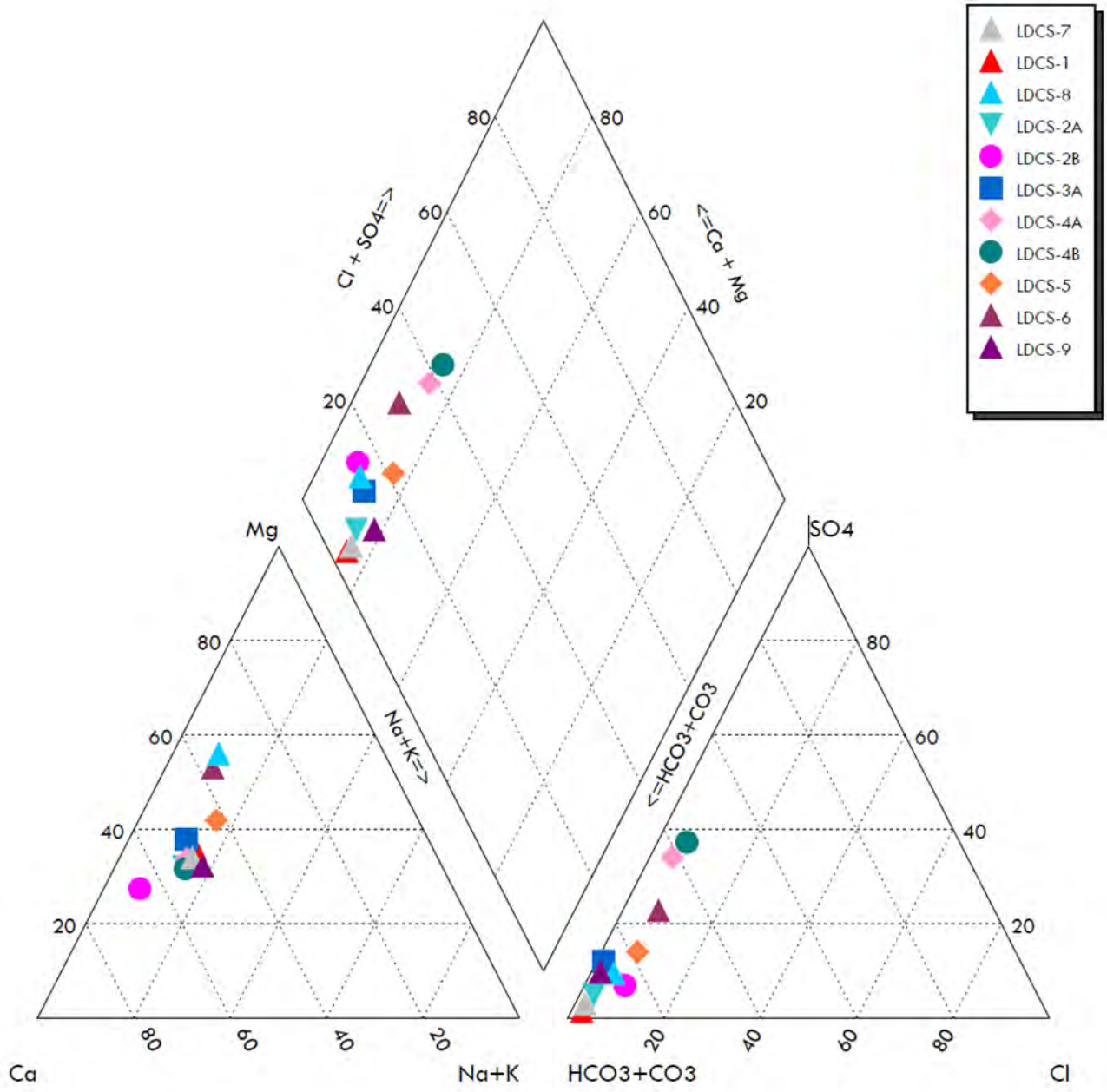
LRI Inc.
04224001.02
September 5, 2024



LRI Landfill

Piper Diagram – 24Q3

LRI Inc.
04224001.02
December 10, 2024

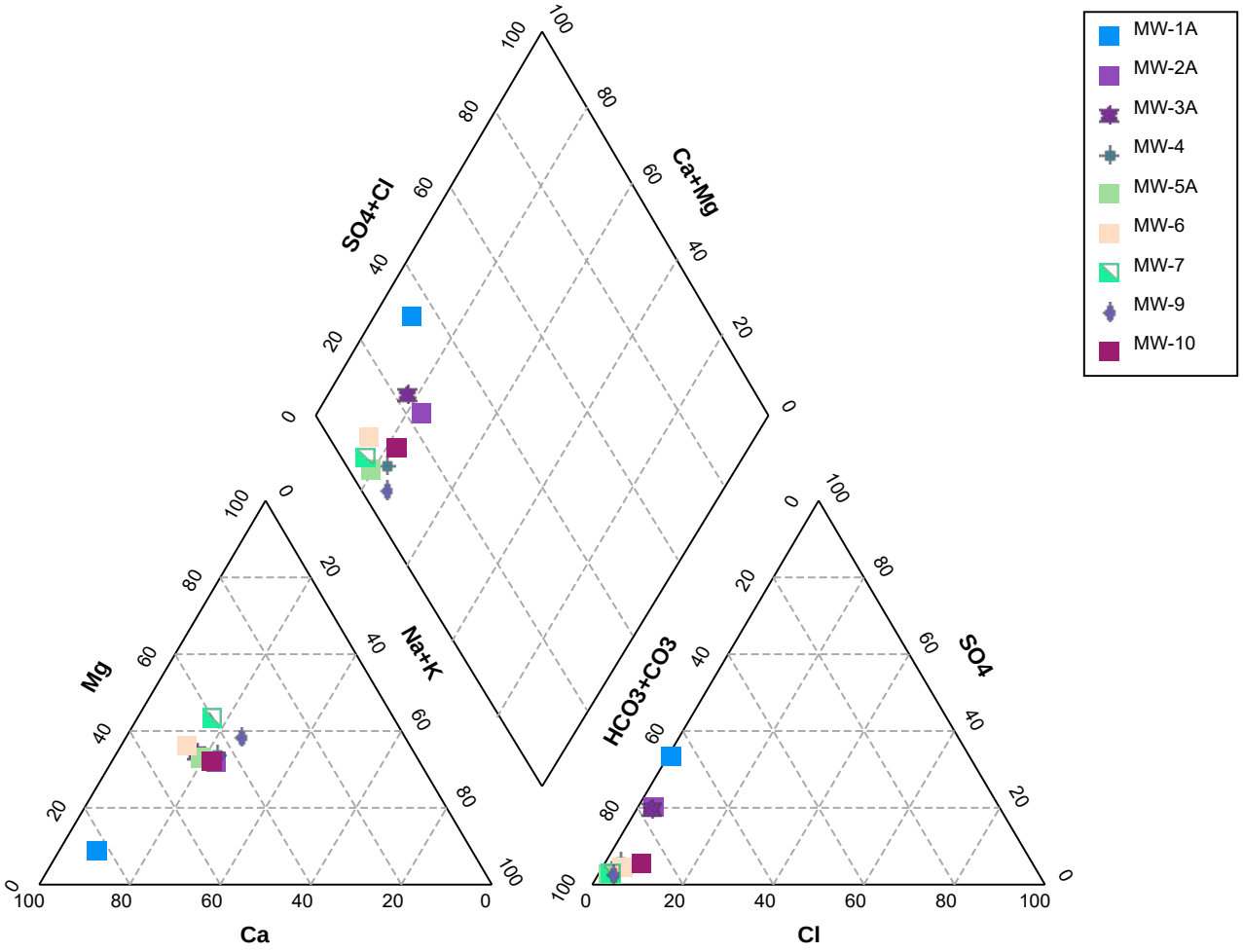


LRI Landfill

Piper Diagram – 24Q3

LRI Inc.
04224001.02
December 10, 2024

Fourth Quarter 2024, Monitoring Wells

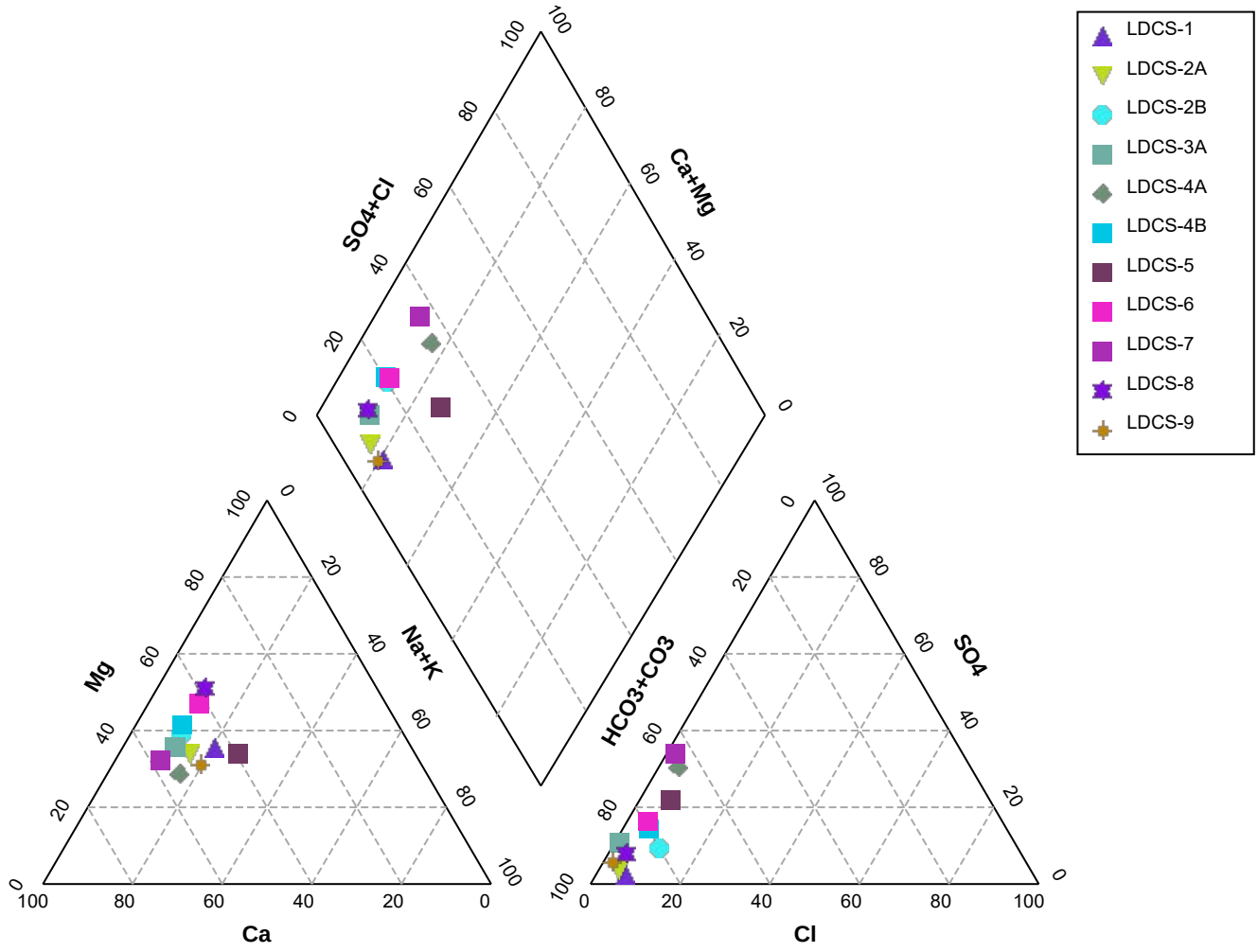


LRI Landfill

Piper Diagram – 24Q4

LRI Inc.
04225001.02
April 2, 2025

Fourth Quarter 2024, LDCS

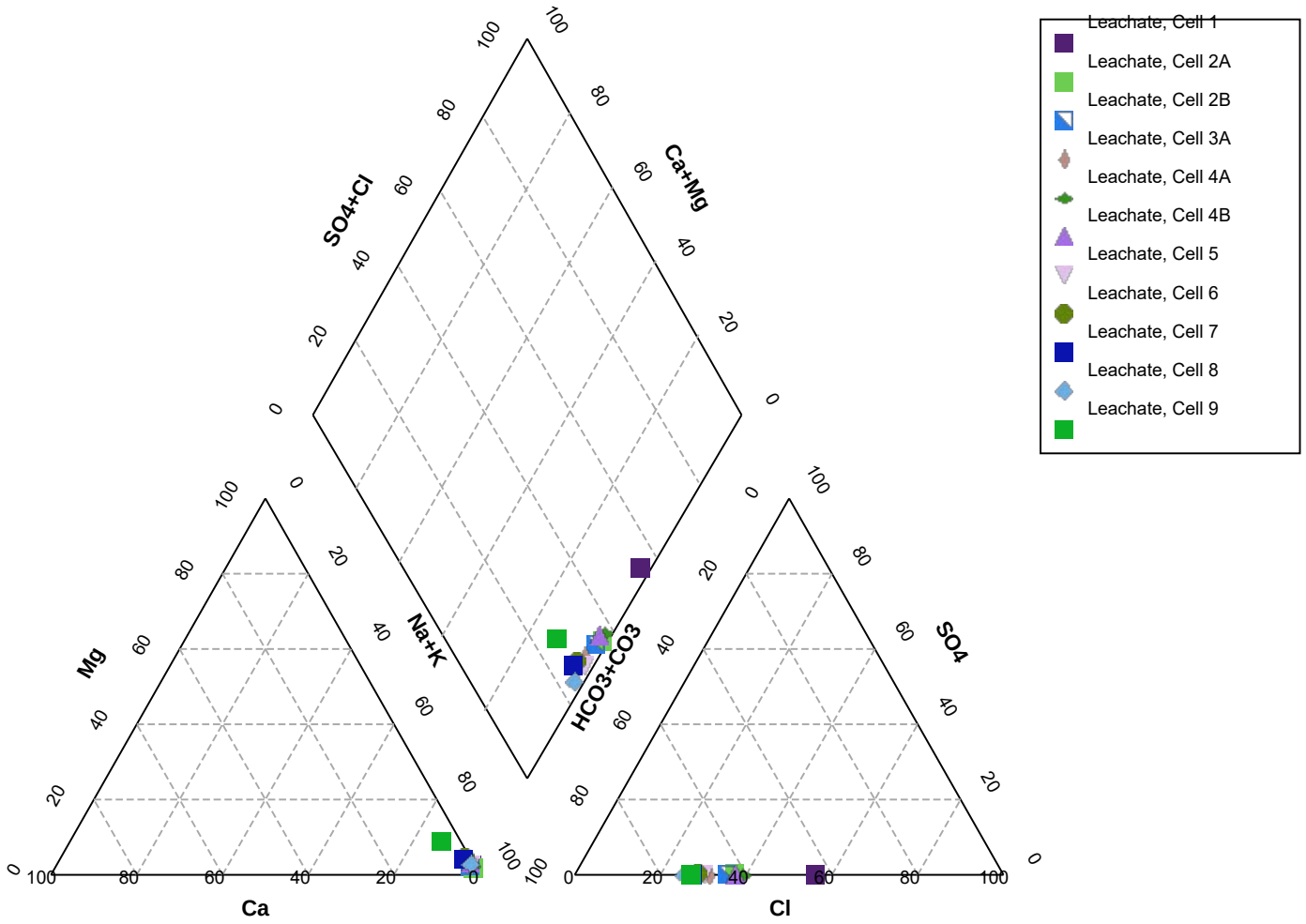


LRI Landfill

Piper Diagram – 24Q4

LRI Inc.
04225001.02
April 2, 2025

Fourth Quarter 2024, Leachate



LRI Landfill

Piper Diagram – 24Q4

LRI Inc.
04225001.02
April 2, 2025

Appendix E

Statistical Calculations

Groundwater Prediction Limits (mg/L)
Appendix I Parameters, Fourth Quarter 2024
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.

Statistical Summary of Total Metals and Nitrate Groundwater Data
Appendix I Parameters, Fourth Quarter 2024

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		8	
Number Detected	0		0		8	0		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		8	
Number Detected	0		0		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		0.0025	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		8	
Number Detected	0		0		8	0		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		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
Variance		NC		1.6E-06	0.00076		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
Coefficient of Variation (%)		NC		14.0465	121.469		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

Statistical Summary of Total Metals and Nitrate Groundwater Data
Appendix I Parameters, Fourth Quarter 2024

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			
Number Detected	0		7		8		0		0		2		0		1		0		1		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	0.005	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	0.005	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	0.005	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	0.005	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	0.005	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		8		8		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			
Number Detected	0		6		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		0.0055		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, Fourth Quarter 2024

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
Number Analyzed	42		42		42		42		42		42		42		42		42		42		42		42		42		44		42		42	
Number Detected	0		0		8		0		0		0		0		0		0		0		0		0		0		44		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, Fourth Quarter 2024

Location ID	Antimony (Sb)		Arsenic (As)		Barium (Ba)		Beryllium (Be)		Cadmium (Cd)		Chromium (Cr)		Cobalt (Co)		Copper (Cu)		Lead (Pb)		Nickel (Ni)		Selenium (Se)		Silver (Ag)		Thallium (Tl)		Vanadium (V)		Zinc (Zn)		Nitrate (NO_3)	
Monitoring Date	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	Conc.
MW-10																																
3/25/2014	0.002	L 0.001	0.005	L 0.0025	0.014	0.014	0.001	L 0.0005	0.005	L 0.0025	0.002	L 0.001	0.01	L 0.005	0.002	L 0.001	0.001	L 0.0005	0.002	L 0.001	0.005	L 0.0025	0.01	L 0.005	0.001	L 0.0005	0.01	L 0.005	0.01	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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	0.005	L 0.0025	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
Number Analyzed	42		42		44		42		42		42		42		42		42		42		42		42		42		42		44		44	
Number Detected	0		0		44		0		0		0		0		0		0		0		0		0		0		0		16		44	
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		0.170423

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.

Appendix F

Leak Detection System Data and Leachate Pump Records

Summary of LDCS Volumes Pumped and Conductivity Data
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

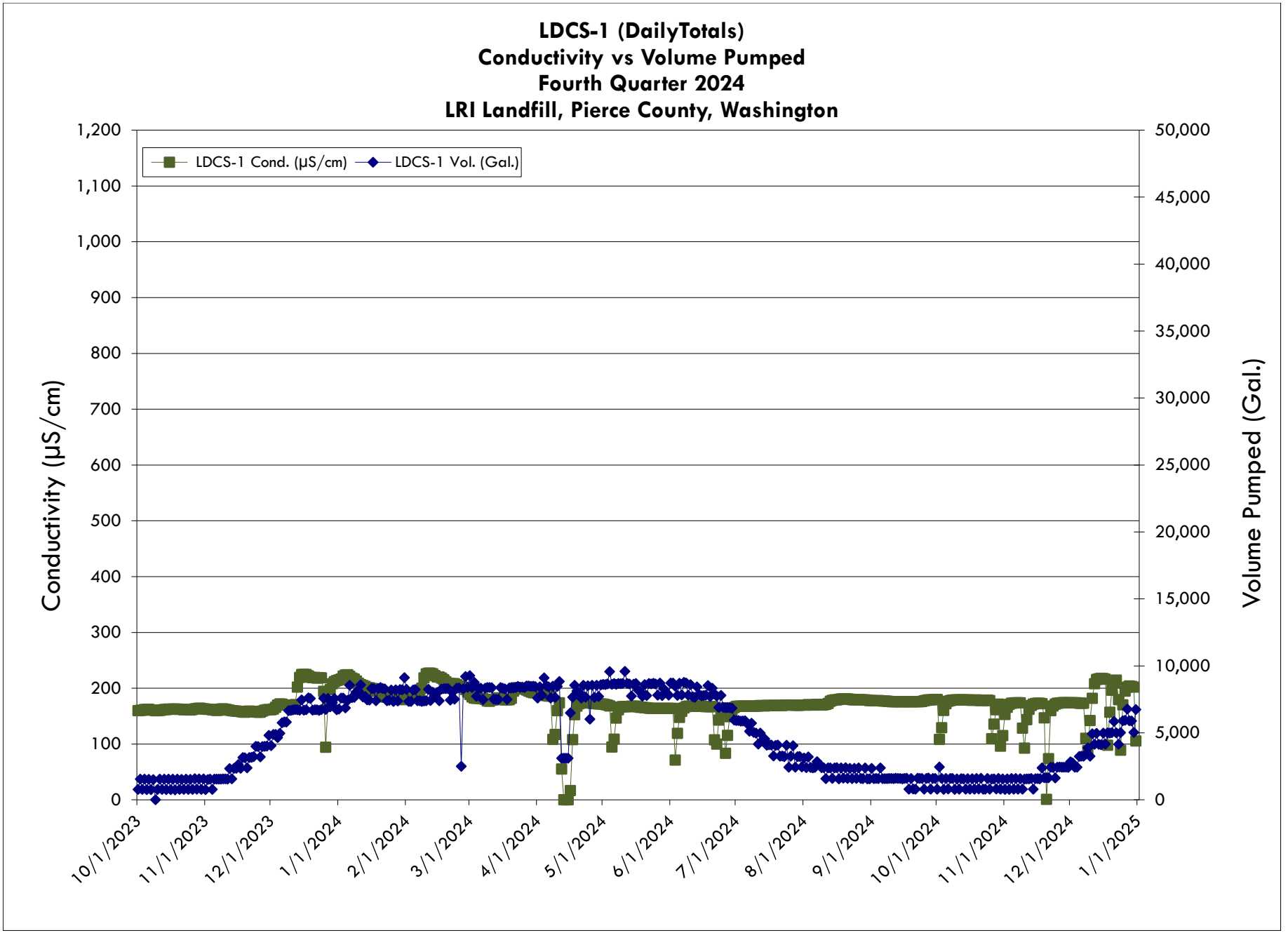
Date	Rainfall	LDCS-1 Vol. (Gal.)	LDCS-1 Cond. (µS/cm)	LDCS-2A Vol. (Gal)	LDCS-2A Cond. (µS/cm)	LDCS-2B Vol. (Gal)	LDCS-2B Cond. (µS/cm)	LDCS-3A Vol. (Gal)	LDCS-3A Cond. (µS/cm)	LDCS-4A Vol. (Gal)	LDCS-4A Cond. (µS/cm)*	LDCS-4B Vol. (Gal)	LDCS-4B Cond. (µS/cm)	LDCS-5 Vol. (Gal)	LDCS-5 Cond. (µS/cm)	LDCS-6 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)*
kik	0.00	5,930	167	11,090	861	0	726	4,160	925	8,980	1033.8	154	1,212	500	832	0	1,074	0	-	0	-	-	-
7/2/2024	0.00	5,920	168	11,120	853	3,882	712	4,160	926	9,030	834	132	1,221	437	834	0	1,070	0	-	0	-	-	-
7/3/2024	0.00	5,870	168	11,100	839	3,974	752	4,170	923	9,070	916	128	1,230	436	838	0	1,074	0	-	8,621	-	-	-
7/4/2024	0.00	5,890	168	9,970	846	4,006	695	4,170	923	9,140	847	128	1,241	436	843	0	1,070	0	-	2,163	-	-	-
7/5/2024	0.00	5,910	168	11,040	866	3,998	677	4,170	924	9,230	930.7	120	1,252	499	848	0	1,070	0	-	1,888	-	-	-
7/6/2024	0.00	5,690	168	11,060	886	0	785	4,180	928	9,190	0	142	1,264	501	854	0	0	0	-	1,883	-	-	-
7/7/2024	0.00	5,110	168	9,970	894	0	791	4,180	932	6,050	0	154	1,275	500	862	0	0	0	-	2,079	-	-	-
7/8/2024	0.00	5,720	168	11,060	897	11,512	876	4,180	933	3,620	852	162	1,308	564	864	0	1,119	0	-	1,882	-	-	-
7/9/2024	0.00	5,040	168	9,960	908	4,370	915	4,170	933	3,290	808	152	1,338	563	865	0	1,113	15,846	-	1,880	-	-	-
7/10/2024	0.00	4,980	168	9,980	909	2,918	922	4,180	934	3,150	865	146	1,354	691	866	0	1,113	9,057	-	1,614	-	-	-
7/11/2024	0.00	4,170	168	11,230	869	4,767	841	4,160	929	3,050	0	138	1,364	629	868	0	1,140	0	-	1,887	-	-	-
7/12/2024	0.00	4,980	169	9,950	860	3,441	834	3,560	929	3,010	437.9	120	1,370	628	873	0	1,135	0	-	1,615	-	-	-
7/13/2024	0.00	4,450	169	9,880	872	0	870	4,170	931	2,990	0	122	1,377	625	879	0	0	0	-	1,883	-	-	-
7/14/2024	0.00	4,550	168	9,900	886	0	873	3,570	934	2,950	0	130	1,383	627	884	0	0	0	-	1,613	-	-	-
7/15/2024	0.00	4,080	169	9,970	882	10,085	900	3,570	936	2,980	737	86	1,386	691	888	0	1,151	5,013	-	1,852	-	-	-
7/16/2024	0.00	4,120	169	8,890	874	3,757	908	4,170	935	2,990	660	76	1,389	626	894	0	1,164	0	-	1,612	-	-	-
7/17/2024	0.00	4,090	169	9,920	880	3,718	882	3,570	937	2,970	695	66	1,394	623	903	0	1,154	4,325	-	1,618	-	-	-
7/18/2024	0.00	3,270	169	8,730	872	3,951	814	3,570	937	2,800	1383	84	1,397	561	907	0	1,158	660	-	1,860	-	-	-
7/19/2024	0.00	4,060	169	9,830	858	3,447	820	3,570	938	2,790	620	108	1,399	623	909	0	1,167	0	-	1,613	-	-	-
7/20/2024	0.00	4,100	169	8,740	854	0	840	3,560	937	2,810	0	100	1,402	623	911	0	0	0	-	1,611	-	-	-
7/21/2024	0.00	3,260	169	9,780	870	0	831	3,560	938	2,770	0	92	1,404	563	916	0	0	0	-	1,621	-	-	-
7/22/2024	0.00	3,270	169	8,670	869	11,879	820	2,970	939	2,710	482	76	1,404	621	919	0	1,137	5,764	-	1,352	-	-	-
7/23/2024	0.00	3,230	170	8,690	858	4,139	861	3,570	937	2,670	413	84	1,402	559	922	0	1,133	0	-	1,615	-	-	-
7/24/2024	0.00	4,070	170	8,720	860	3,868	819	2,960	937	2,750	428	84	1,403	623	927	0	0	0	-	1,612	-	-	-
7/25/2024	0.00	2,430	170	9,560	867	4,152	816	3,570	939	2,630	426.3	84	1,404	686	930	0	1,125	4,293	-	1,347	-	-	-
7/26/2024	0.00	3,250	170	8,550	861	3,858	820	2,970	936	2,660	456	84	1,405	751	931	0	1,129	571	-	1,612	-	-	-
7/27/2024	0.00	4,050	170	7,560	876	0	807	3,570	937	2,620	0	82	1,407	751	936	0	0	0	-	1,613	-	-	-
7/28/2024	0.00	2,430	170	8,660	884	0	715	3,560	940	2,610	0	78	1,409	750	941	0	0	0	-	1,618	-	-	-
7/29/2024	0.17	3,220	169	8,610	884	11,998	761	2,970	942	2,650	407.7	78	1,410	944	945	0	1,115	2,925	-	1,625	-	-	-
7/30/2024	0.01	3,240	170	8,620	893	4,406	874	2,970	944	3,100	351.4	92	1,410	1,214	945	0	1,113	2,739	-	1,618	-	-	-
7/31/2024	0.00	2,450	170	7,610	892	4,996	901	2,960	944	2,890	309	100	1,414	813	940	0	1,108	0	-	1,344	-	-	-
8/1/2024	0.00	3,120	170	8,720	897	0	804	2,980	943	2,780	0	98	1,417	682	939	0	0	0	-	1,611	-	-	-
8/2/2024	0.00	2,410	170	7,590	900	0	786	2,980	946	2,610	193.9	108	1,421	680	940	0	1,107	0	-	1,339	-	-	-
8/3/2024	0.00	3,200	171	8,570	893	0	872	2,960	941	2,740	0	90	1,424	619	941	0	0	0	-	1,344	-	-	-
8/4/2024	0.00	2,420	170	7,520	898	0	850	2,970	939	2,610	0	90	1,425	617	944	0	0	0	-	1,339	-	-	-
8/5/2024	0.00	2,390	170	7,480	900	0	777	2,970	943	2,580	83.3	76	1,425	661	948	0	1,098	1,865	-	1,345	-	-	-
8/6/2024	0.00	2,420	170	8,650	882	2,173	801	2,370	945	2,440	379	70	1,425	553	948	0	1,103	3,718	-	1,348	-	-	-
8/7/2024	0.00	2,860	171	7,500	861	27	800	2,970	944	2,560	423.8	74	1,426	616	948	0	1,102	1,245	-	1,131	-	-	-
8/8/2024	0.00	2,660	171	7,450	872	244	718	2,970	945	2,600	226.1	78	1,430	678	950	0	1,173	0	-	1,214	-	-	-
8/9/2024	0.00	2,400	170	7,460	887	653	777	2,970	951	2,590	393.3	74	1,433	553	951	0	1,172	0	-	1,340	-	-	-
8/10/2024	0.00	2,400	170	7,500	889	0	758	2,370	954	2,570	0	72	1,436	550	954	0	0	0	-	1,074	-	-	-
8/11/2024	0.00	1,580	171	7,480	878	0	728	2,970	953	2,430	0	64	1,437	550	958	0	0	0	-	1,344	-	-	-
8/12/2024	0.00	2,390	173	7,520	879	0	680	2,370	951	2,420	418.6	54	1,438	488	961	0	1,150	4,772	-	1,074	-	-	-
8/13/2024	0.00	2,380	177	7,500	893	0	652	2,520	953	2,400	395.7	52	1,440	487	964	0	1,144	0	-	1,338	-	-	-
8/14/2024	0.00	1,600	178	7,440	903	263	642	2,370	953	2,270	406	54	1,442	501	965	0	0	0	-	1,072	-	-	-
8/15/2024	0.00	2,390	179	6,360	912	550	639	2,370	955	2,370	403.6	50	1,444	487	967	0	1,134	4,754	-	1,074	-	-	-
8/16/2024	0.00	2,400	179	7,550	924	172	637	2,370	956	2,260	189.7	46	1,446	486	968	0	1,133	0	-	1,074	-	-	-
8/17/2024	0.42	1,570	180	7,500	932	0	637	2,980	956	2,290	0	42	1,447	488	971	0	0	0	-	1,074	-	-	-
8/18/2024	0.01	2,390	181	6,460	919	0	637	2,370	958	2,320	0	52	1,450	547	973	0	0	0	-	1,073	-	-	-
8/19/2024	0.00	1,620	181	7,530	884	691	636	2,370	961	2,260	249.7	46	1,455	486	970	0	1,119	4,669	-	1,344	-	-	-
8/20/2024	0.28	2,400	181	6,430	868	1,506	636	2,960	965	2,600	287.6	48	1,452	485	970	0	1,164	0	-	1,076	-	-	-
8/21/2024	0.00	1,590	181	6,470	872	209	636	2,380	971	2,730	260.7	52	1,450	486	968	0	1,133	0	-	1,076	-	-	-
8/22/2024	0.07	2,360	180	7,570	891	596	636	2,950	978	2,660	98.7	48	1,451	423	967	0	1,119	0	-	1,341	-	-	-
8/23/2024	0.29	1,580	180	6,470	903	10	697	2,380	976	3,370	4.58	44	1,457	485	966	0	1,115	4,689	-	1,076	-	-	-
8/24/2024	0.11	2,360	179	6,420	907	775	879	2,970	968	4,280	192	48	1,452	999	957	0	1,114	0	-	1,350	-	-	-
8/25/2024	0.00	1,600	180	6,440	884	0	941	3,560	969	3,470	0	60	1,455	675	913	0	0	0	-	1,074	-	-	-
8/26/2024	0.00	2,380	180	5,410	869	93	846	2,970	976	3,110	210	78	1,464	486	903	0	1,101	0	-	1,341	-	-	-
8/27/2024	0.05	1,590	179	6,490	888	0	726	2,970	982	2,960	0	68	1,464	424	912	0	0	0	-	1,074	-	-	-
8/28/2024	0.00	1,580	179	6,500	887	1,206	754	3,560	981	2,910	130.5	60	1,470	424	916	0	1,099	4,685	-	1,074	-	-	-
8/29/2024	0.00	2,380	179	5,370	881	294	823	2,970	982	2,740	73.9	60	1,466	363	919	0	1,101	0	-	1,071	-	-	-
8/30/2024	0.00	1,570	179	6,520	892	156	785	2,800	984	2,570	87	62	1,472	362	924	0	1,109	0	-	1,070	-	-	-

Summary of LDCS Volumes Pumped and Conductivity Data
Fourth Quarter 2024
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)*
8/31/2024	0.00	1,570	178	6,520	909	0	729	2,370	983	2,540	0	60	1,472	300	929	0	0	0	-	1,068	-	-	-
9/1/2024	0.00	2,360	178	5,400	936	393	725	2,380	982	2,530	80.3	58	1,474	301	933	0	1,097	4,679	-	1,071	-	-	-
9/2/2024	0.00	1,580	177	6,510	943	1,466	702	2,380	980	2,380	97.6	50	1,473	240	940	0	1,097	0	-	806	-	-	-
9/3/2024	0.00	1,590	178	6,420	915	54	663	2,370	976	2,350	94.1	52	1,477	300	949	0	1,093	0	-	1,072	-	-	-
9/4/2024	0.00	1,580	178	5,400	883	197	774	1,770	972	2,280	130.1	54	1,478	240	961	0	1,092	4,654	-	1,072	-	-	-
9/5/2024	0.00	2,390	178	6,460	883	289	711	2,370	971	2,290	170.9	60	1,479	240	973	0	1,089	0	-	798	-	-	-
9/6/2024	0.00	1,580	177	5,410	897	0	702	2,370	971	2,260	0	58	1,480	179	984	0	0	0	-	1,071	-	-	-
9/7/2024	0.00	1,580	177	6,500	905	0	788	2,360	971	2,280	0	52	1,479	238	994	0	0	0	-	1,068	-	-	-
9/8/2024	0.00	1,580	177	6,480	910	295	727	1,780	970	2,210	92.1	46	1,476	179	998	0	1,089	4,663	-	805	-	-	-
9/9/2024	0.00	1,590	176	5,400	914	1,000	670	2,370	968	2,070	83.8	40	1,479	179	999	0	1,085	0	-	1,076	-	-	-
9/10/2024	0.04	1,590	176	6,480	909	527	726	2,360	966	2,190	153	34	1,477	238	1,000	0	1,088	0	-	807	-	-	-
9/11/2024	0.35	1,580	176	6,490	911	352	765	2,370	965	2,400	173	28	1,478	179	1,000	0	1,087	0	-	1,073	-	-	-
9/12/2024	0.04	1,610	176	5,450	910	0	683	2,970	965	2,770	81	32	1,476	299	1,000	0	1,082	0	-	1,348	-	-	-
9/13/2024	0.04	1,600	176	5,430	885	0	654	3,570	969	2,780	0	34	1,479	299	992	0	0	0	-	1,080	-	-	-
9/14/2024	0.01	1,600	176	6,550	883	0	643	2,970	974	2,810	0	32	1,479	299	971	0	0	0	-	1,077	-	-	-
9/15/2024	0.00	1,570	176	5,460	897	1,543	753	3,560	978	2,960	84.8	28	1,485	300	954	0	1,082	0	-	1,081	-	-	-
9/16/2024	0.00	1,600	176	6,540	902	16	779	2,370	979	2,670	86	32	1,492	299	942	0	1,083	0	-	1,076	-	-	-
9/17/2024	0.00	1,610	176	5,440	905	230	853	2,970	982	2,520	161	30	1,492	259	938	0	1,086	4,652	-	1,074	-	-	-
9/18/2024	0.00	790	176	5,470	909	256	927	2,380	982	2,410	139	30	1,496	240	944	0	1,080	0	-	1,077	-	-	-
9/19/2024	0.00	1,590	176	5,440	902	441	809	2,370	979	2,250	89	32	1,503	299	953	0	1,086	0	-	803	-	-	-
9/20/2024	0.00	810	176	3,290	899	0	708	590	978	1,050	0	10	1,501	60	961	0	0	0	-	541	-	-	-
9/21/2024	0.00	800	176	6,610	885	0	786	2,370	976	2,210	0	34	1,494	369	970	0	0	0	-	807	-	-	-
9/22/2024	0.00	1,610	176	5,470	875	878	862	1,770	974	2,200	192.6	32	1,487	180	977	0	1,080	5,700	-	1,071	-	-	-
9/23/2024	0.00	1,590	176	5,480	891	1,283	748	1,780	975	2,090	90.9	24	1,493	240	987	0	1,082	0	-	804	-	-	-
9/24/2024	0.00	1,600	176	5,490	909	16	721	2,370	971	2,210	200	26	1,501	179	995	0	1,082	0	-	1,072	-	-	-
9/25/2024	0.21	800	178	5,460	915	918	701	1,780	966	2,100	92.8	22	1,503	179	998	0	1,078	0	-	766	-	-	-
9/26/2024	0.01	1,600	178	5,480	907	14	724	2,380	960	2,400	136.6	20	1,497	239	999	0	1,081	1,886	-	1,072	-	-	-
9/27/2024	0.00	1,630	179	5,500	881	0	686	2,370	958	2,280	0	20	1,490	179	1,000	0	0	0	-	803	-	-	-
9/28/2024	0.00	790	179	5,450	867	0	795	2,370	962	2,260	0	18	1,483	239	1,000	0	0	0	-	1,072	-	-	-
9/29/2024	0.00	1,590	179	5,470	881	427	856	1,790	968	2,090	91.4	18	1,486	178	1,000	0	1,080	2,712	-	800	-	-	-
10/01/24	0.00	790	180	5,510	858		911	1,780	973	1,730	1000	18	1,514	-	1,000	-	1,077	0	-	800	-	-	-
10/02/24	0.00	2,460	109	10,600	526	259	563	3,590	588	3,940	603.55	22	1,487	-	0	-	1,079	1,430	-	807	-	-	-
10/03/24	0.00	1,590	129	5,510	622	1,004	681	2,380	698	2,070	719.39	6	1,498	-	0	-	1,080	3,302	-	1,748	-	-	-
10/04/24	0.10	780	160	5,470	791	15	872	1,780	868	2,100	896.77	4	1,493	-	0	-	1,081	0	-	1,089	-	-	-
10/05/24	0.40	1,600	172	5,500	837		953	2,960	926	2,810	962.02	6	1,508	-	0	-	0	0	-	1,081	-	-	-
10/06/24	0.00	810	177	5,480	842	0	980	2,980	956	2,600	986.03	6	1,507	-	0	-	0	0	-	811	-	-	-
10/07/24	0.00	1,600	178	5,500	857	0	978	2,370	970	2,310	994.87	4	1,505	-	0	-	1,080	0	-	807	-	-	-
10/08/24	0.00	1,600	179	5,500	876		893	2,370	975	2,360	998	6	1,496	-	0	-	1,076	0	-	810	-	-	-
10/09/24	0.00	780	179	5,510	876	1,343	814	1,770	976	2,800	999.21	8	1,496	-	0	-	1,077	0	-	812	-	-	-
10/10/24	0.01	1,560	179	4,400	853	891	900	2,370	973	2,450	1000	12	1,510	-	976	-	1,114	0	-	807	-	-	-
10/11/24	0.00	790	179	5,490	851	10	936	1,780	970	2,260	1000	12	1,511	-	956	-	1,099	4,635	-	808	-	-	-
10/12/24	0.00	1,580	179	5,480	872		926	1,780	971	2,100	1000	8	1,511	-	0	-	0	0	-	806	-	-	-
10/13/24	0.00	1,570	179	5,530	872	0	890	1,770	970	2,070	1000	10	1,507	-	0	-	0	0	-	805	-	-	-
10/14/24	0.00	800	179	5,480	870		799	1,790	967	2,000	1000	6	1,508	-	915	-	1,099	0	-	825	-	-	-
10/15/24	0.15	1,580	179	4,400	877	1,118	758	2,370	966	2,670	1000	6	1,496	-	920	-	1,098	0	-	1,084	-	-	-
10/16/24	0.44	790	179	5,480	884	10	816	2,970	964	3,580	1000	8	1,507	-	934	-	1,098	4,813	-	1,082	-	-	-
10/17/24	0.30	1,580	178	5,510	896	467	864	3,590	967	3,560	1000	6	1,509	-	934	-	1,098	0	-	1,082	-	-	-
10/18/24	0.01	800	179	5,520	890		891	2,970	970	2,870	1000	8	1,529	-	0	-	1,098	0	-	807	-	-	-
10/19/24	0.20	1,600	179	4,380	870	0	957	3,550	976	2,920	1000	8	1,510	-	0	-	0	0	-	1,078	-	-	-
10/20/24	0.00	810	178	5,450	882	0	942	2,970	979	2,710	1000	14	1,499	-	0	-	0	0	-	806	-	-	-
10/21/24	0.00	1,610	178	5,430	895		804	2,970	978	3,050	1000	14	1,513	-	958	-	1,097	0	-	806	-	-	-
10/22/24	0.00	800	178	4,400	875	329	793	2,380	975	2,830	1000	18	1,523	-	960	-	1,096	0	-	809	-	-	-
10/23/24	0.10	800	178	5,460	852	258	911	2,980	975	2,560	1000	24	1,562	-	966	-	1,094	0	-	807	-	-	-
10/24/24	0.07	1,590	179	5,510	848	259	966	2,980	977	2,390	1000	34	1,569	-	967	-	1,087	3,920	-	804	-	-	-
10/25/24	0.00	790	178	3,330	858	259	986	1,790	975	1,810	1000	28	1,580	-	970	-	1,096	1,590	-	537	-	-	-
10/26/24	0.20	1,550	110	4,480	548		553	1,790	608	5,250	617.95	56	1,489	-	0	-	0	0	-	1,352	-	-	-
10/27/24	1.10	1,570	136	5,520	682	0	614	0	765	9,470	766.3	86	1,501	-	0	-	0	0	-	1,629	-	-	-
10/28/24	0.10	810	162	5,520	798		847	0	913	7,710	913.69	82	1,520	-	980	-	1,095	0	-	1,073	-	-	-
10/29/24	0.10	1,600	172	5,530	829		937	0	968	5,290	968.37	76	1,543	-	0	-	0	0	-	804	-	-	-
10/30/24	0.00	790	96	4,540	466		536	17,560	540	5,360	544.7	64	1,580	-	983	-	1,092	0	-	1,070	-	-	-
10/31/24	0.20	1,570	115	5,540	572	327	652	3,600	631	5,070	652.17	76	1,566	-	983	-	1,091	1,262	-	769	-	-	-

Summary of LDCS Volumes Pumped and Conductivity Data
Fourth Quarter 2024
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)*
11/01/24	0.50	780	153	5,530	768	326	872	4,780	842	9,310	872	84	1,518	-	986	-	1,095	4,013	-	1,745	-	-	-
11/02/24	0.50	1,560	166	5,630	847		926	4,190	917	9,770	952.93	80	1,492	-	0	-	0	0	-	810	-	-	-
11/03/24	0.06	780	171	5,590	845	0	774	4,770	939	10,200	982.98	90	1,460	-	0	-	0	0	-	1,076	-	-	-
11/04/24	0.10	1,600	173	5,520	835		743	4,760	942	9,760	993.88	74	1,458	-	989	-	1,095	0	-	1,076	-	-	-
11/05/24	0.20	790	174	5,500	839	328	717	4,160	940	9,650	997.77	68	1,499	-	992	-	1,087	0	-	808	-	-	-
11/06/24	0.00	1,600	174	5,550	829	391	834	4,760	936	9,400	999.04	68	1,526	-	995	-	1,090	4,643	-	805	-	-	-
11/07/24	0.00	800	174	5,490	849		917	4,160	935	8,390	1000	82	1,524	-	0	-	0	0	-	1,075	-	-	-
11/08/24	0.00	1,580	174	5,510	882	0	947	3,560	934	4,560	1000	82	1,523	-	0	-	0	0	-	803	-	-	-
11/09/24	0.00	790	128	6,540	668	0	686	3,550	691	4,330	739.52	62	1,479	-	0	-	0	0	-	804	-	-	-
11/10/24	0.10	1,550	93	5,480	486	0	529	3,550	497	5,800	534.37	82	1,456	-	0	-	0	0	-	0	-	-	-
11/11/24	0.80	1,560	144	5,460	752		788	4,170	766	9,350	828.71	128	1,596	-	1,000	-	1,079	0	-	1,902	-	-	-
11/12/24	0.30	1,570	162	6,610	827	1,047	714	4,740	853	9,590	936.98	128	1,537	-	988	-	1,081	3,385	-	874	-	-	-
11/13/24	0.20	1,600	169	6,600	844	330	662	4,740	878	9,500	976.81	142	1,533	-	1,000	-	1,084	1,818	-	0	-	-	-
11/14/24	0.30	790	172	6,600	860		642	4,160	886	9,420	991.49	178	1,520	-	923	-	1,086	0	-	0	-	-	-
11/15/24	0.30	1,580	173	6,610	838		689	4,750	883	9,350	996.87	172	1,496	-	828	-	1,088	0	-	3,576	-	-	-
11/16/24	0.00	1,580	173	6,620	830		835	4,750	884	9,190	998.8	178	1,614	-	0	-	0	0	-	1,085	-	-	-
11/17/24	0.22	1,570	173	6,540	858	0	922	4,750	887	9,120	999.7	166	1,556	-	0	-	0	0	-	1,635	-	-	-
11/18/24	0.30	2,380	172	6,550	865		963	4,760	883	9,140	1000	160	1,457	-	556	-	1,091	0	-	1,359	-	-	-
11/19/24	0.20	1,650	147	6,550	726	394	824	4,740	746	7,880	853.32	118	1,405	-	555	-	1,091	0	-	969	-	-	-
11/20/24	0.10	1,650	1	6,550	3	396	3	4,740	3	7,880	3	118	965	-	656	-	0	2,746	-	969	-	-	-
11/21/24	0.00	1,650	74	7,720	355	463	387	16,050	364	8,830	424.54	282	1,080	-	616	-	1,015	2,201	-	1,233	-	-	-
11/22/24	0.30	2,440	160	7,760	777	461	795	4,770	797	8,760	925.01	174	1,379	-	436	-	1,024	0	-	1,079	-	-	-
11/23/24	0.08	2,420	168	6,590	819		786	5,360	838	8,700	972.42	168	1,506	-	0	-	0	0	-	1,079	-	-	-
11/24/24	0.10	1,630	171	7,630	820	0	865	5,360	849	8,630	989.85	186	1,557	-	0	-	0	0	-	1,349	-	-	-
11/25/24	0.60	2,430	173	7,710	823		794	4,750	854	8,600	996.27	174	1,546	-	0	-	1,037	0	-	1,358	-	-	-
11/26/24	0.10	2,460	174	7,640	817	461	779	5,350	852	8,580	998.63	200	1,560	-	619	-	998	4,953	-	1,080	-	-	-
11/27/24	0.08	2,430	174	7,700	805	468	696	5,350	851	8,560	999.53	212	1,590	-	585	-	1,015	0	-	1,350	-	-	-
11/28/24	0.00	2,440	174	7,650	817		786	4,750	852	8,520	1000	196	1,836	-	0	-	0	0	-	1,080	-	-	-
11/29/24	0.00	2,440	174	7,700	850		910	4,760	854	8,460	1000	208	1,868	-	623	-	1,006	0	-	1,085	-	-	-
11/30/24	0.00	2,420	174	7,390	849		952	4,760	855	8,380	1000	178	1,902	-	0	-	0	0	-	1,081	-	-	-
12/01/24	0.00	2,830	174	7,740	849		967	4,750	852	8,290	1000	194	2,025	-	649	-	1,020	0	-	572	-	-	-
12/02/24	0.00	2,760	174	8,730	849		975	4,170	854	8,150	1000	200	2,047	-	610	-	962	2,906	-	1,667	-	-	-
12/03/24	0.02	2,430	174	7,660	836	393	977	3,570	859	6,380	1000	198	2,201	-	861	-	991	1,798	-	1,090	-	-	-
12/04/24	0.00	2,430	174	7,710	845	459	977	3,560	860	4,450	1000	194	2,294	-	1,000	-	962	0	-	1,087	-	-	-
12/05/24	0.00	3,240	173	8,750	855	460	977	3,570	861	4,210	1000	212	2,347	-	1,000	-	976	0	-	1,086	-	-	-
12/06/24	0.00	3,260	173	7,630	847	395	978	3,560	861	3,780	548.1	202	1,682	-	0	-	0	0	-	1,348	-	-	-
12/07/24	0.50	3,250	173	8,790	863		980	3,550	862	7,680	653.31	228	1,813	-	0	-	0	0	-	1,640	-	-	-
12/08/24	0.60	3,400	111	8,830	550	0	626	3,780	549	8,980	548.58	218	1,681	-	924	-	1,017	0	-	1,356	-	-	-
12/09/24	0.05	3,870	88	7,730	412		498	4,760	430	9,080	509.55	236	1,640	-	719	-	966	5,163	-	1,625	-	-	-
12/10/24	0.00	3,260	142	8,800	671	456	801	4,780	691	9,050	819.57	256	2,218	-	387	-	361	0	-	1,033	-	-	-
12/11/24	0.00	4,940	182	8,910	806	459	913	4,750	790	8,970	933.62	250	2,369	-	699	-	268	1	-	1,349	-	-	-
12/12/24	0.10	4,140	208	7,790	436	527	953	4,770	828	8,910	975.58	324	2,261	-	0	-	0	0	-	1,352	-	-	-
12/13/24	0.35	4,970	216	8,840	315		940	4,760	843	8,850	991.02	424	2,339	-	0	-	0	0	-	602	-	-	-
12/14/24	0.27	4,150	217	8,890	528	0	944	4,770	847	8,780	996.71	408	2,414	-	0	-	0	0	-	0	-	-	-
12/15/24	0.34	4,120	218	10,020	729	0	954	4,750	840	8,750	998.75	278	2,391	-	817	-	947	0	-	0	-	-	-
12/16/24	0.14	4,990	218	8,870	801		963	4,770	845	8,750	999.65	458	2,381	-	649	-	950	0	-	5,138	-	-	-
12/17/24	0.10	4,170	216	9,950	835	530	820	5,360	851	8,760	1000	422	2,310	-	583	-	953	2,544	-	1,913	-	-	-
12/18/24	1.10	5,000	98	2,240	176	796	171	5,720	344	8,830	453.72	146	1,449	-	445	-	433	5,648	-	1,600	-	-	-
12/19/24	0.02	4,990	157	2,240	0	595	8	5,960	579	8,840	713.76	19,124	1,794	-	0	-	0	0	-	1,355	-	-	-
12/20/24	0.05	5,010	196	2,240	0		8	5,960	750	8,800	894.69	33,536	1,949	-	0	-	0	0	-	1,351	-	-	-
12/21/24	0.00	5,860	210	2,240	0	0	8	5,380	806	8,730	961.26	31,308	1,865	-	0	-	0	0	-	1,617	-	-	-
12/22/24	0.20	5,000	214	2,240	0	0	8	5,950	825	8,680	985.75	31,956	1,693	-	724	-	950	0	-	1,621	-	-	-
12/23/24	0.40	4,150	180	2,280	2		13	4,750	691	7,610	828.77	31,962	1,617	-	556	-	938	2,679	-	1,628	-	-	-
12/24/24	0.10	5,020	89	2,280	2	686	7	5,990	344	8,570	415.88	37,104	1,726	-	0	-	0	0	-	1,979	-	-	-
12/25/24	0.40	5,910	170	2,280	0		0	5,930	657	8,420	794.12	33,670	1,655	-	642	-	920	0	-	1,628	-	-	-
12/26/24	1.00	5,940	195	2,280	0		0	6,570	770	8,300	924.26	36,206	1,606	-	531	-	915	6,118	-	1,914	-	-	-
12/27/24	0.40	6,770	202	2,280	0	728	69	5,980	806	8,250	972.14	34,582	1,580	-	0	-	0	0	-	1,884	-	-	-
12/28/24	0.30	5,910	204	2,280	0		386	5,970	820	8,170	989.75	34,162	1,559	-	0	-	0	0	-	1,624	-	-	-
12/29/24	0.20	5,890	203	2,280	0		544	6,590	826	8,090	996.23	34,504	1,558	-	0	-	0	0	-	1,634	-	-	-
12/30/24	0.20	5,040	202	2,280	0		650	5,980	826	8,020	998.62	37,376	1,527	-	0	-	0	0	-	1,627	-	-	-
12/31/24	0.10	6,750	105	2,280	0	2,677	753	5,970	828	7,870	999.52	34,398	1,544		544		920	0		1,628			


LDCS-1 (DailyTotals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
4/1/2024
5/1/2024
6/1/2024
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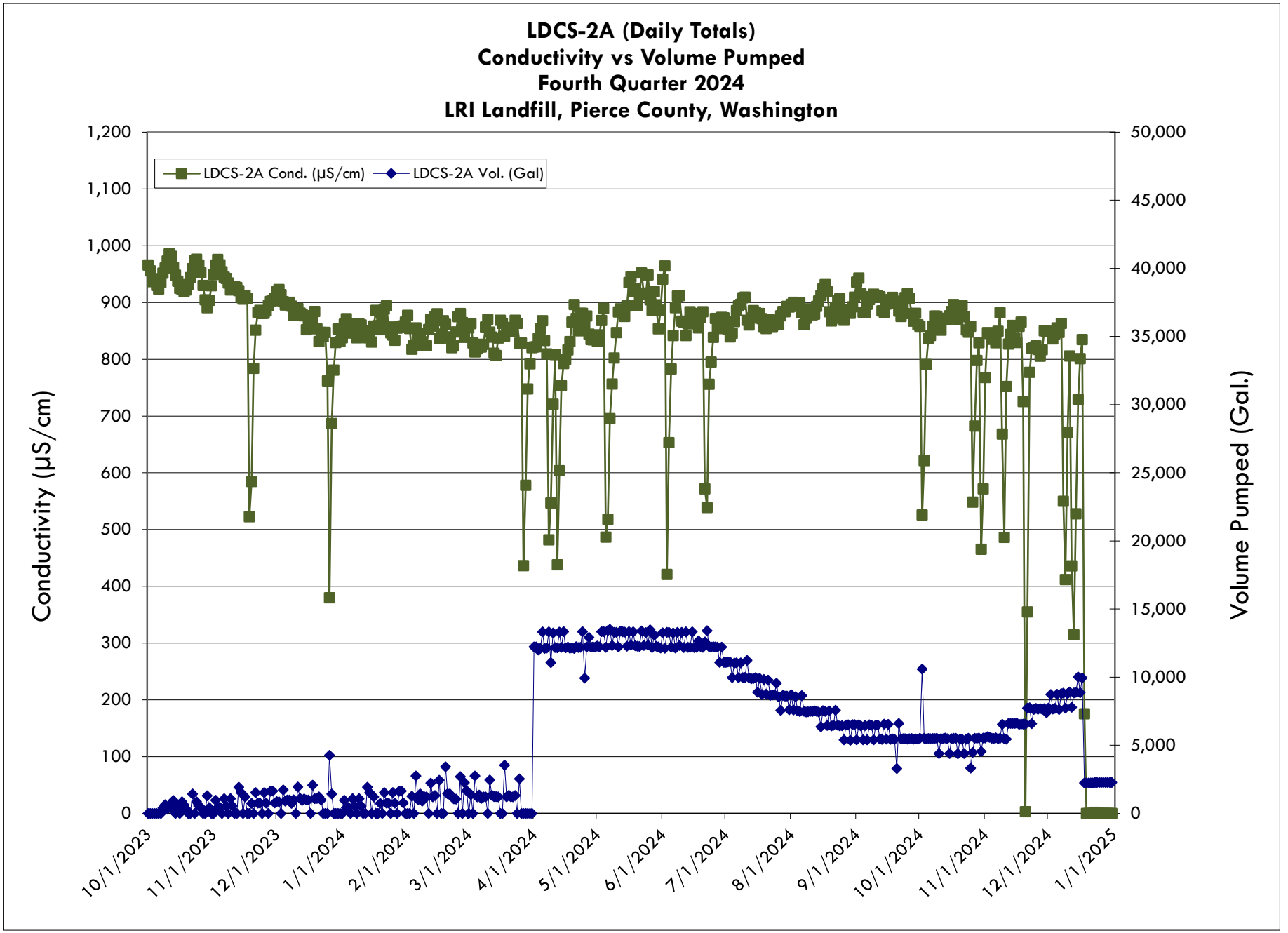
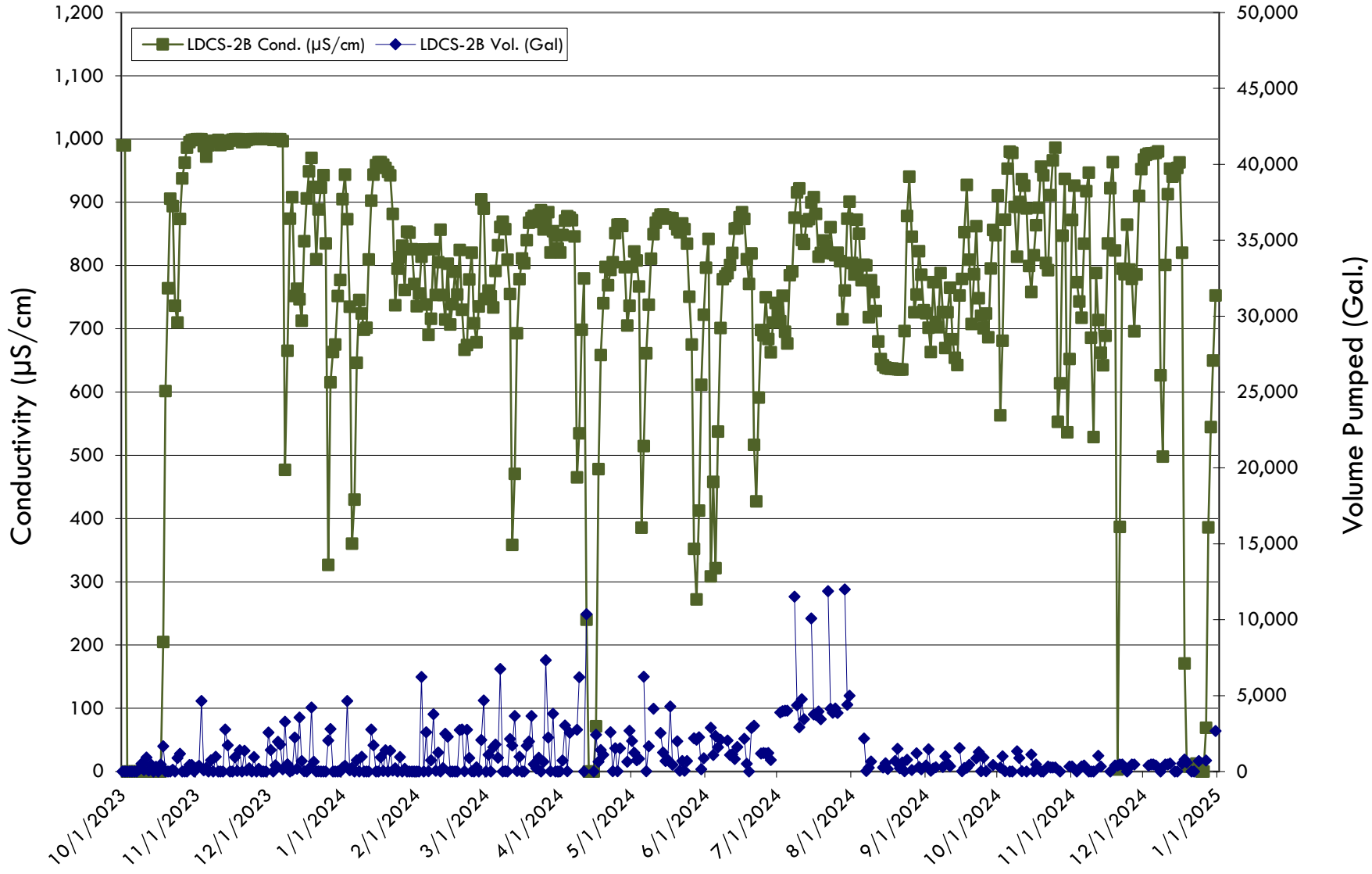
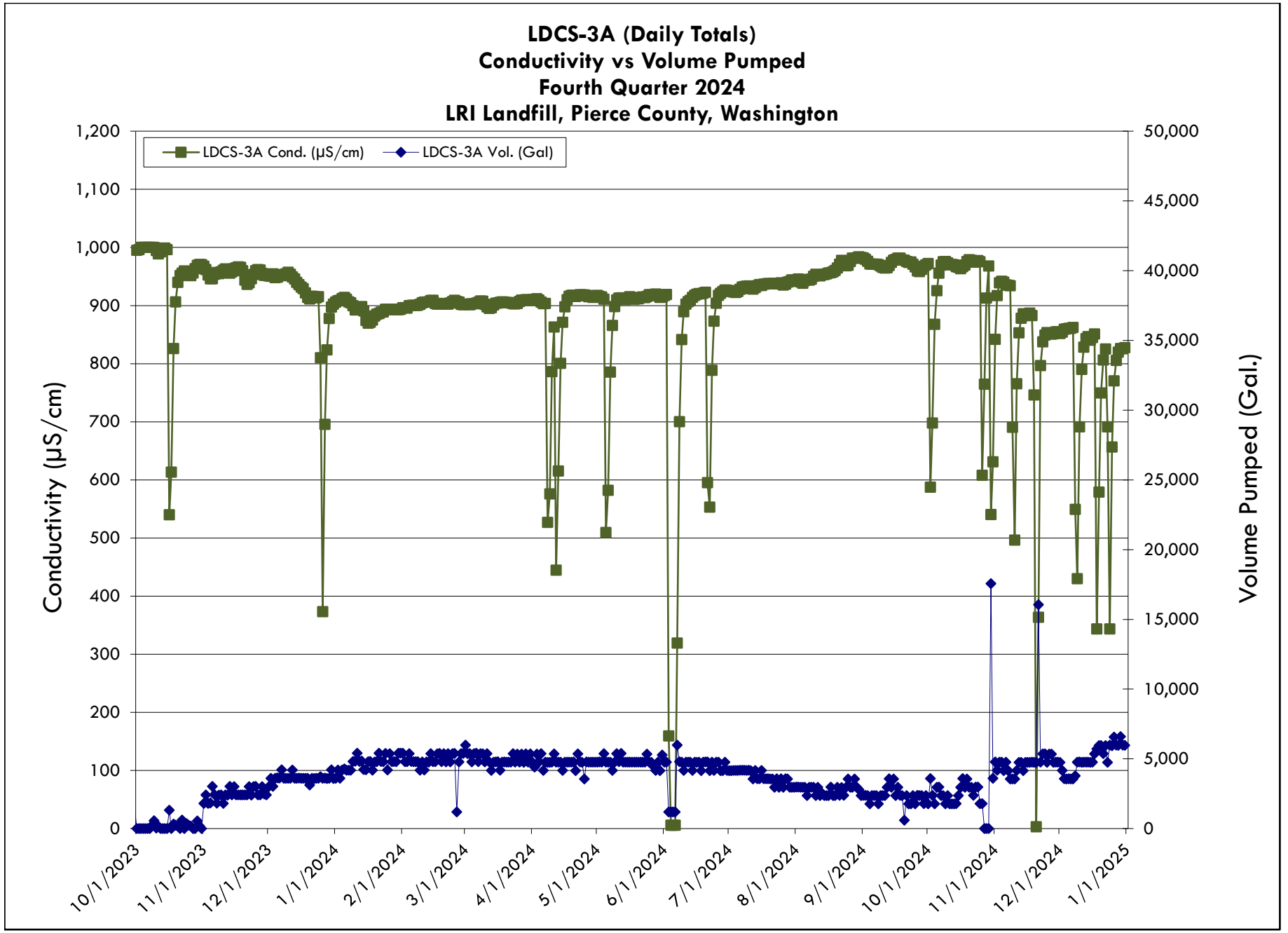
11/1/2024
12/1/2024
1/1/2025

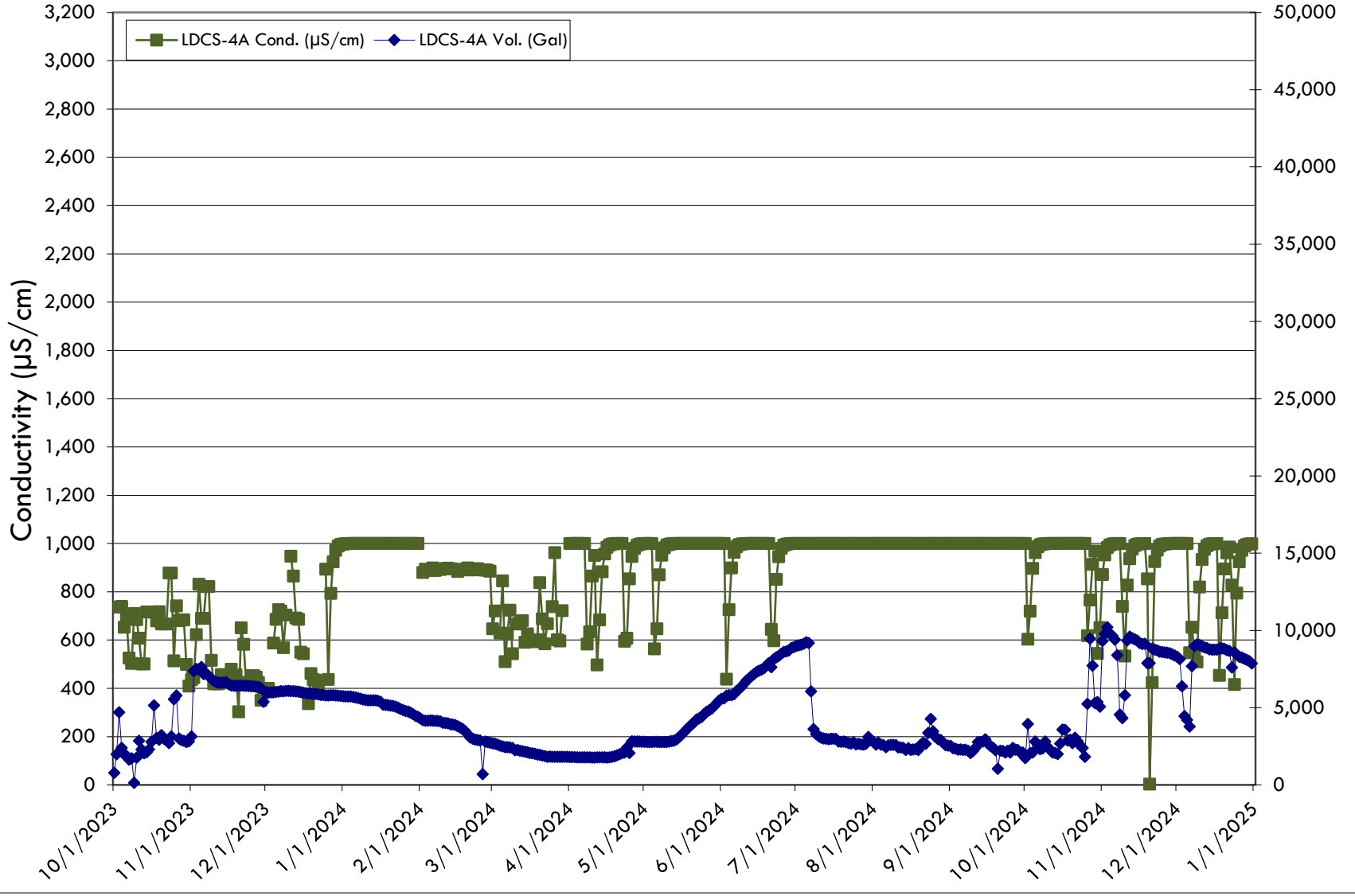

LDCS-2A (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-2A Cond. (µS/cm)
LDCS-2A Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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

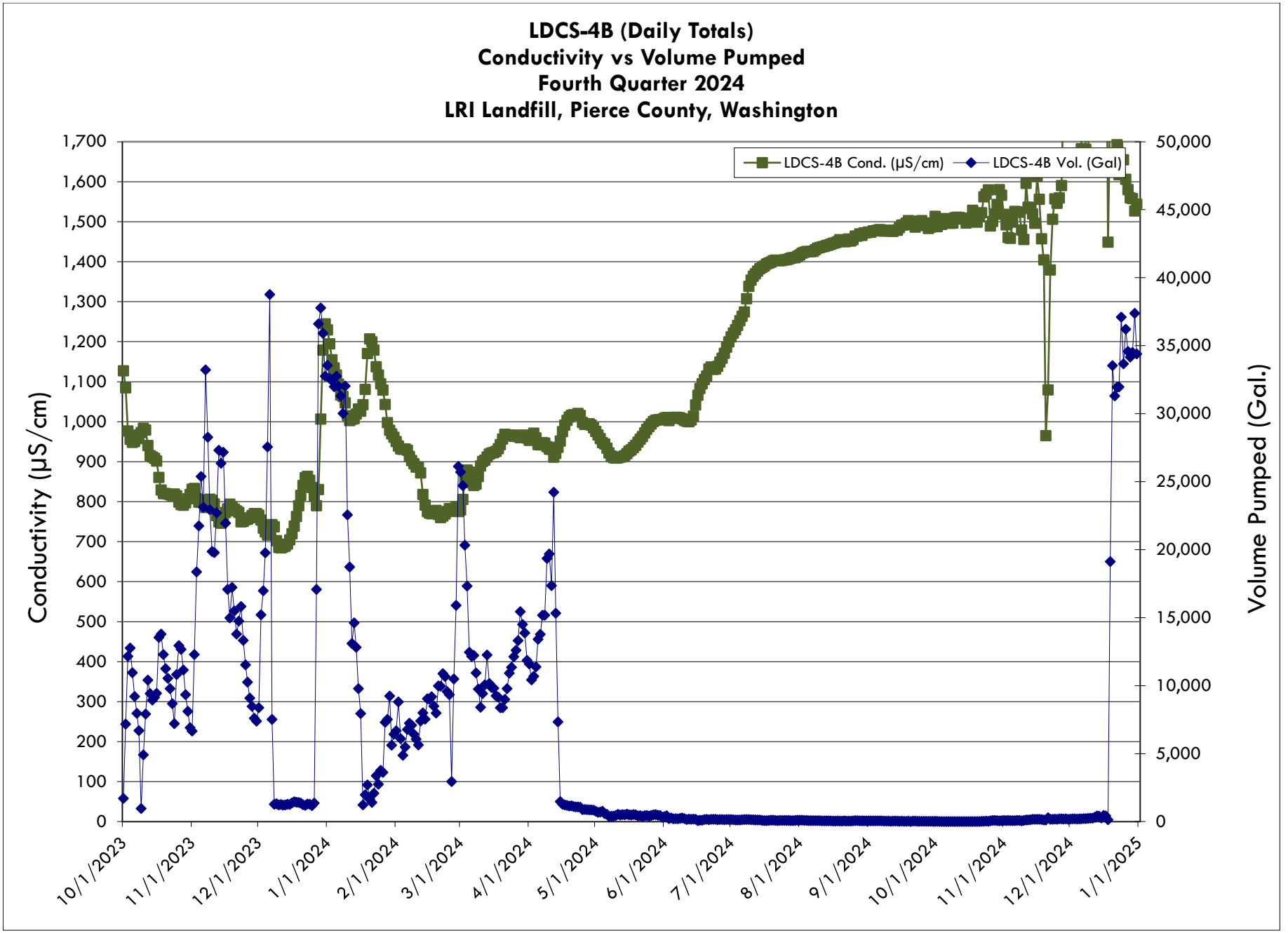
LDCS-2B (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

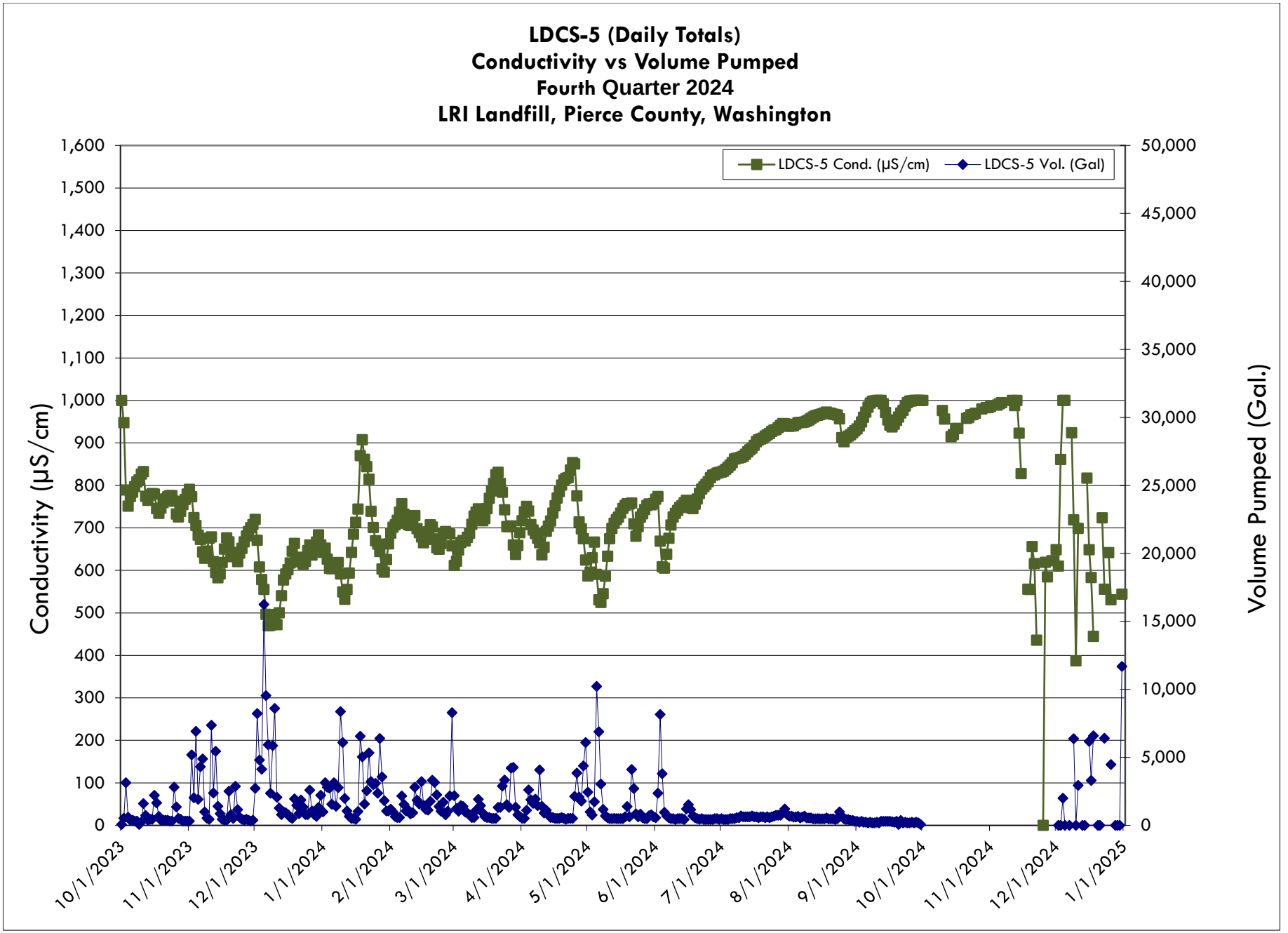


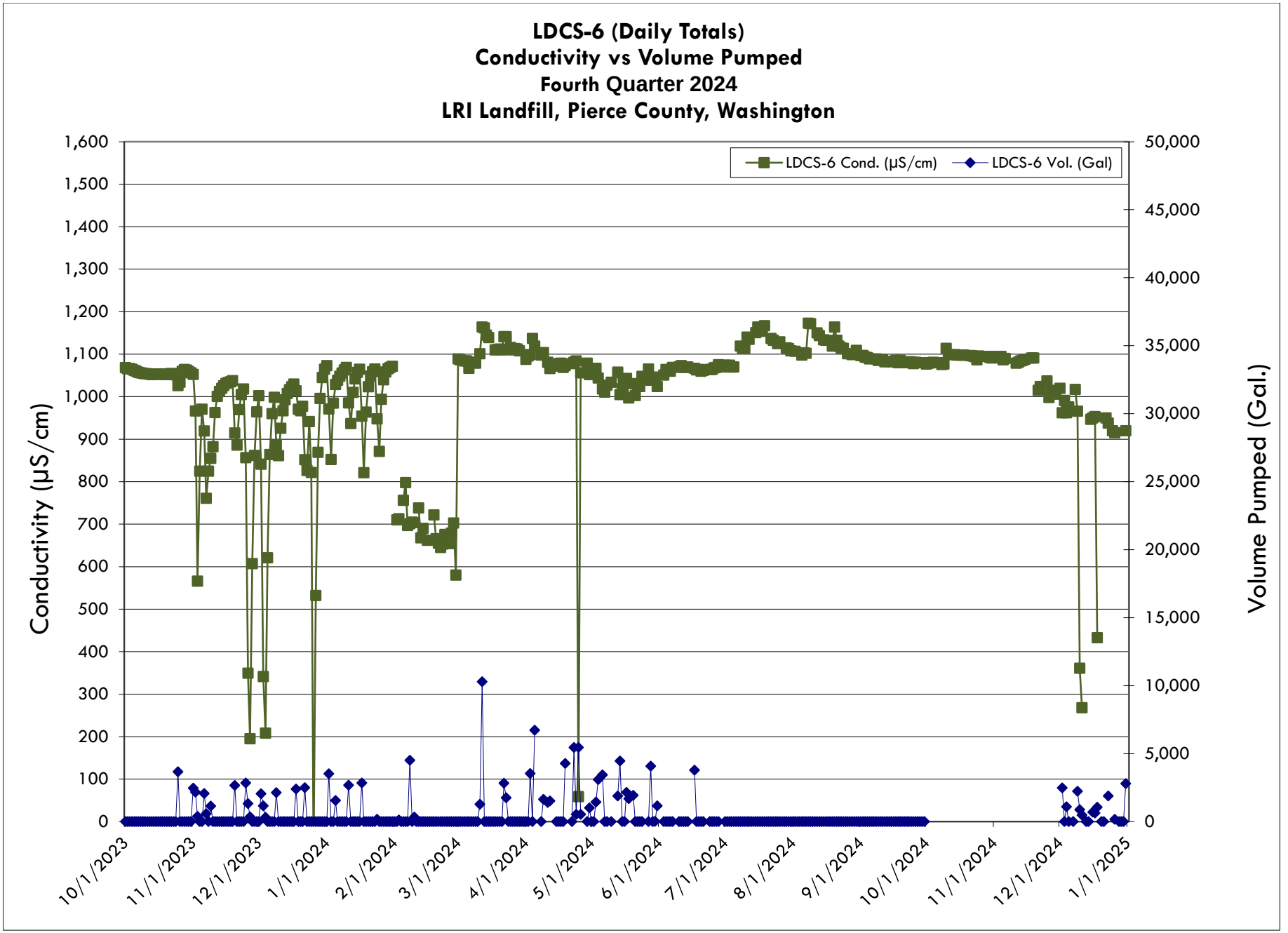

LDCS-3A (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-3A Cond. (µS/cm)
LDCS-3A Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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

LDCS-4A (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington



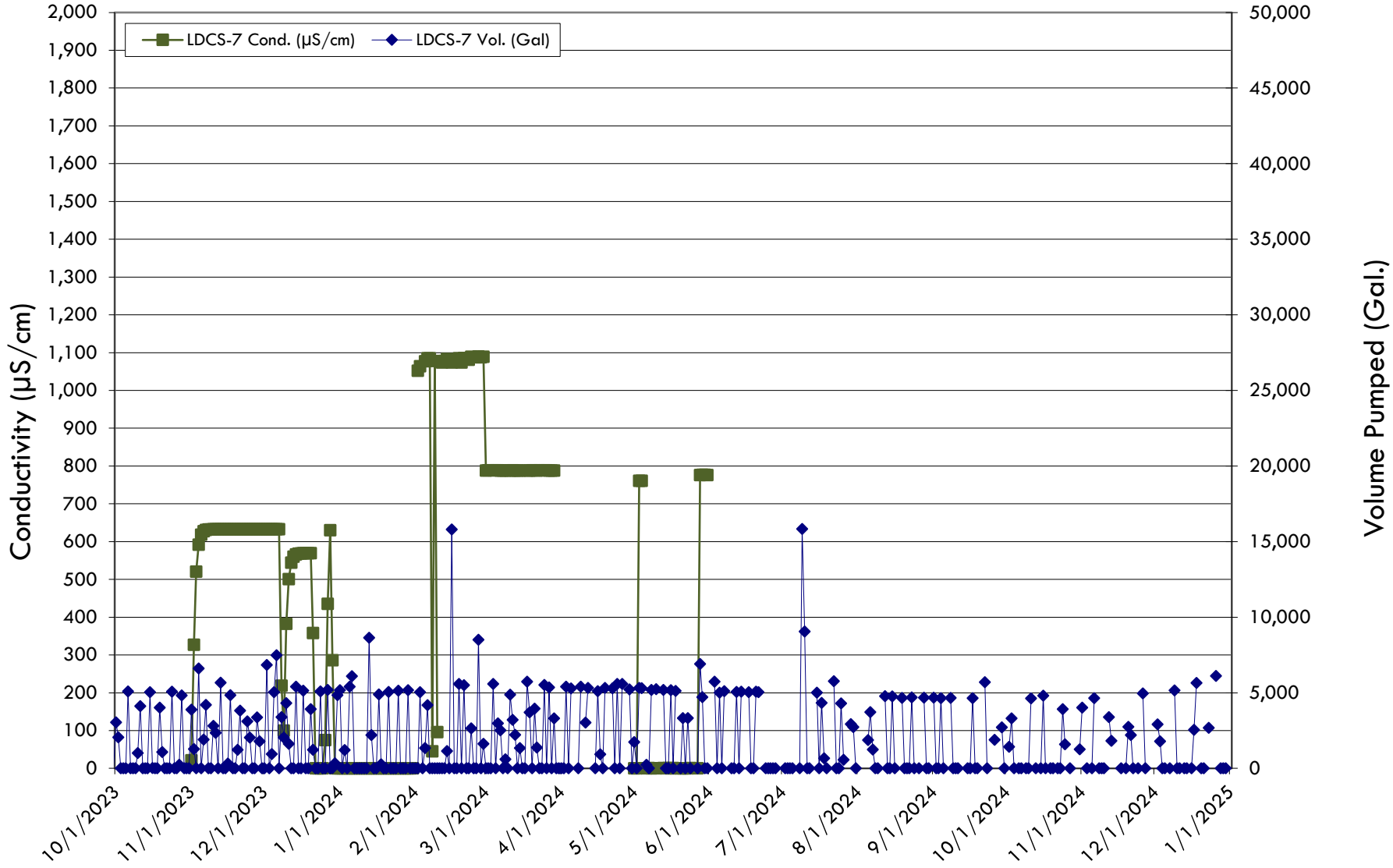

LDCS-4B (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-4B Cond. (µS/cm)
LDCS-4B Vol. (Gal)
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,700
1,600
1,500
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-5 (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-6 (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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

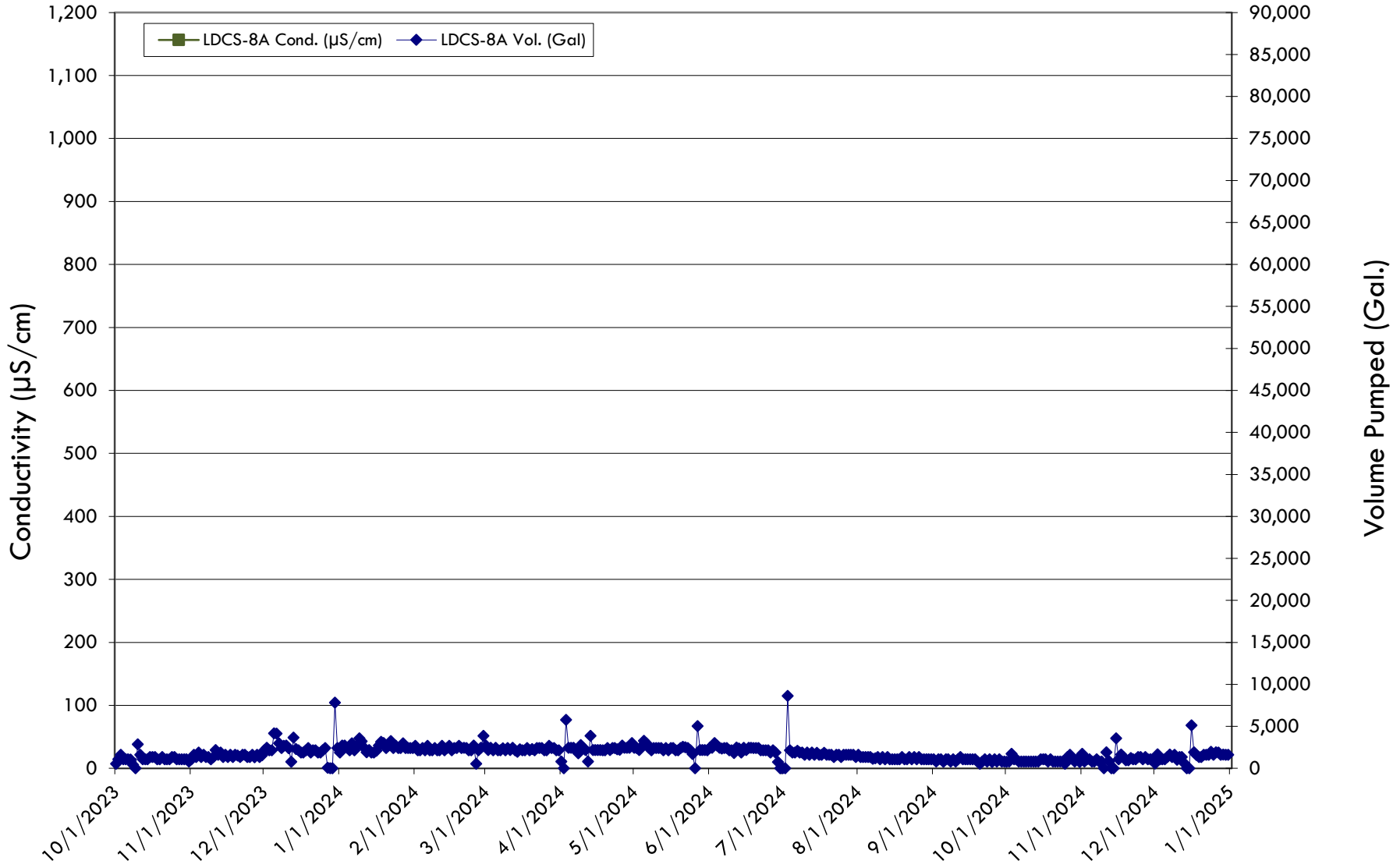
LDCS-7 (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

*Conductivity Probe malfunction May 2023 through November 2023



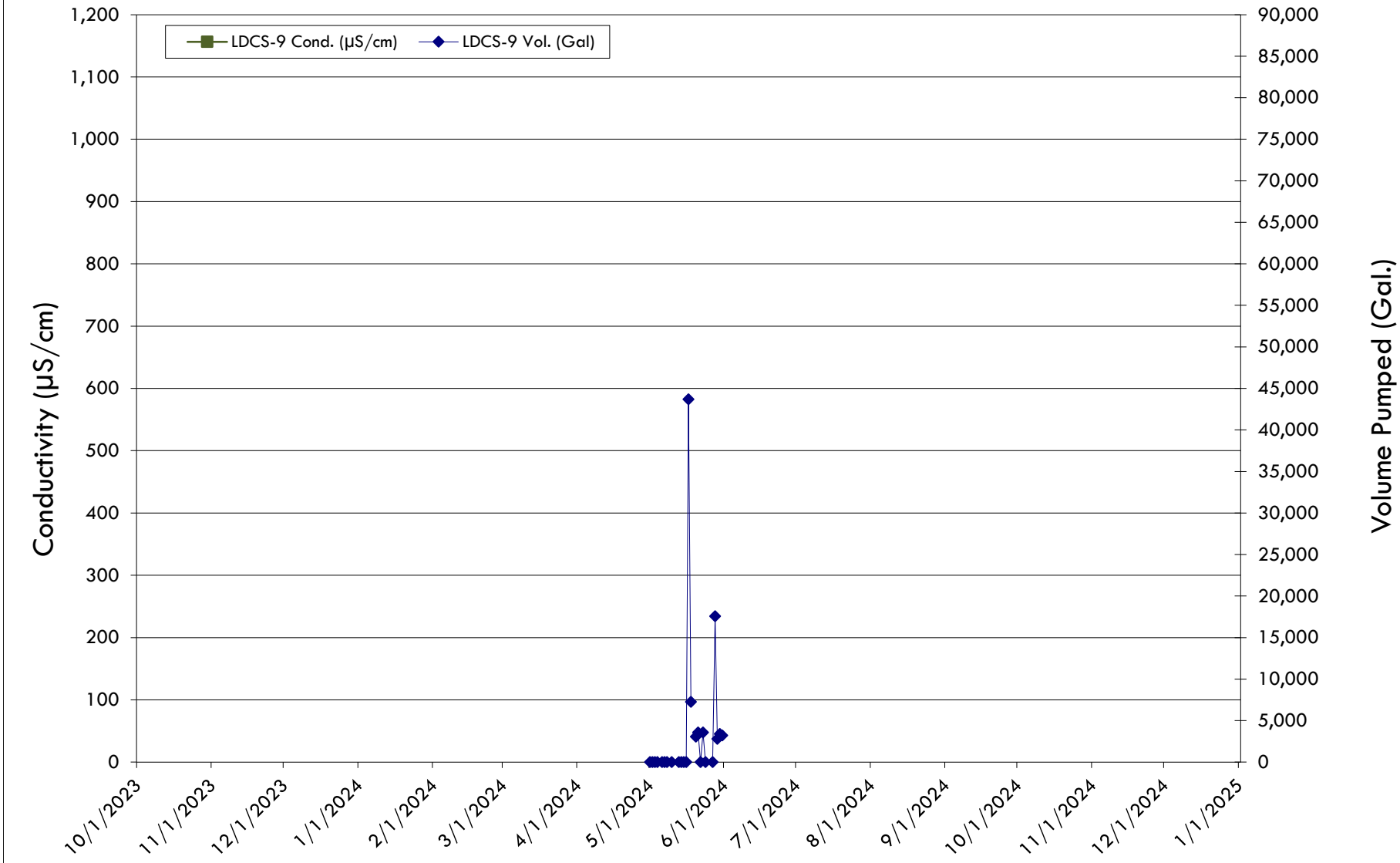
LDCS-8 (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

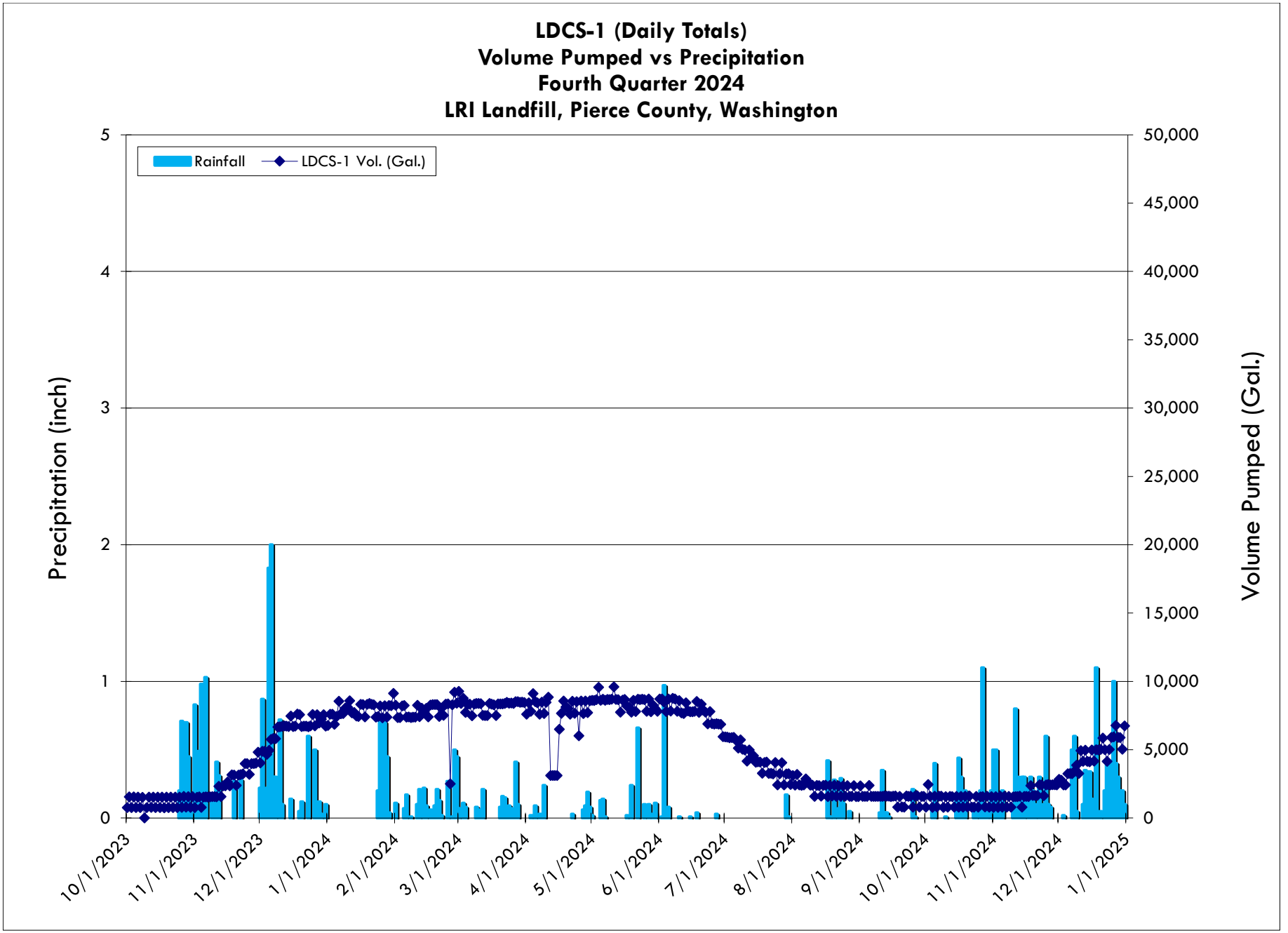
*Conductivity Probe malfunction June 2023 through December 2024

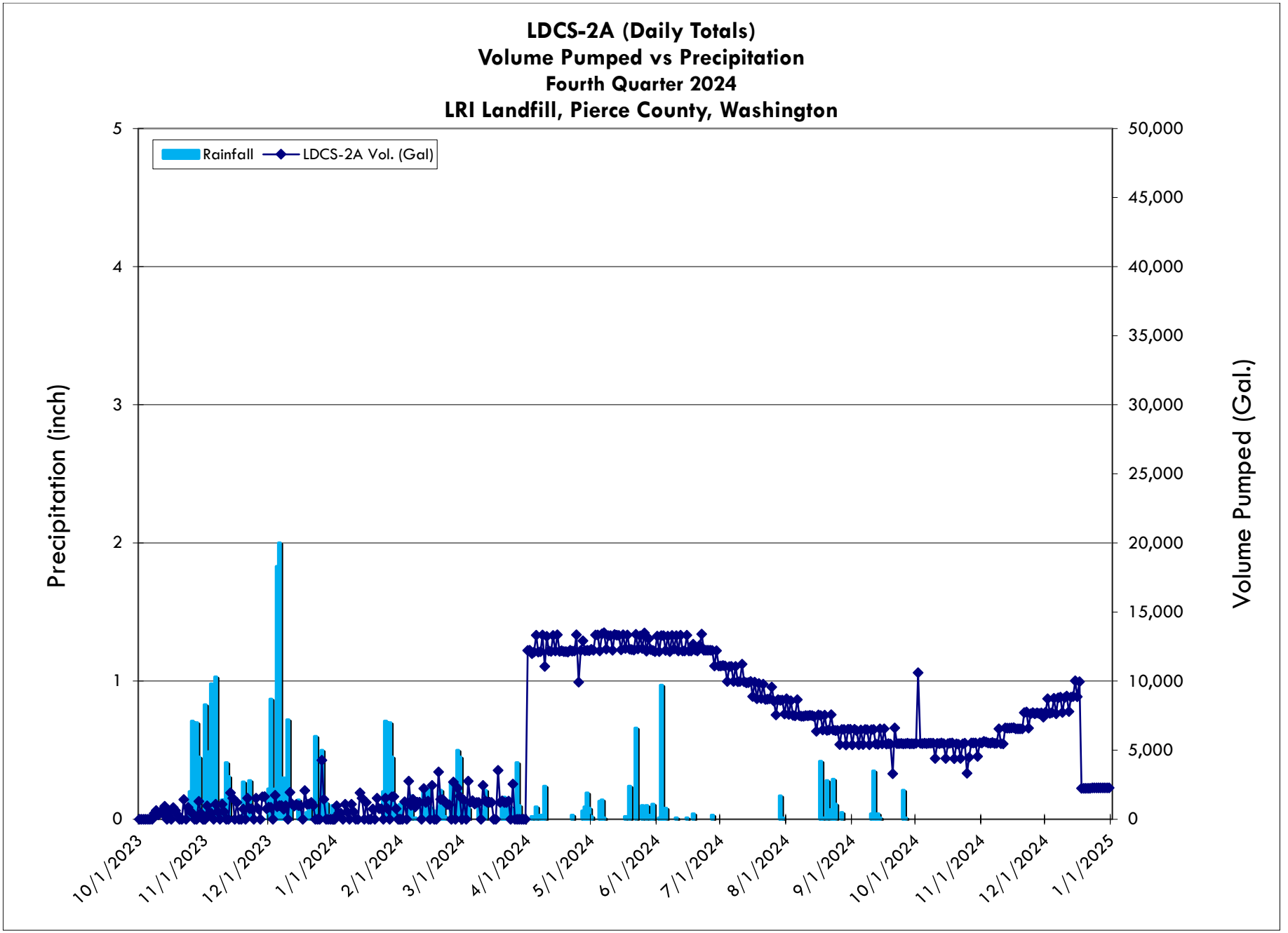


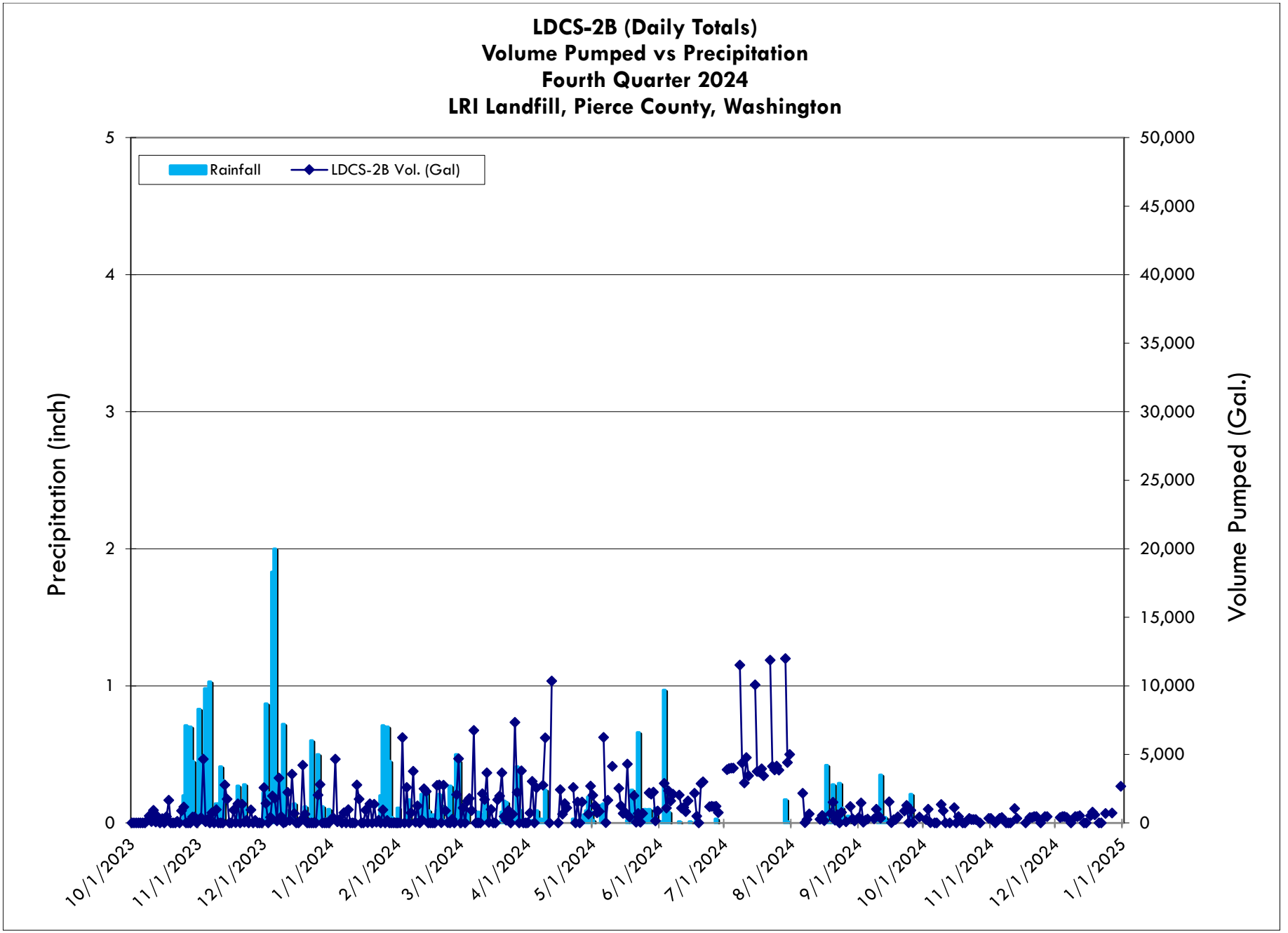
LDCS-9 (Daily Totals)
Conductivity vs Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

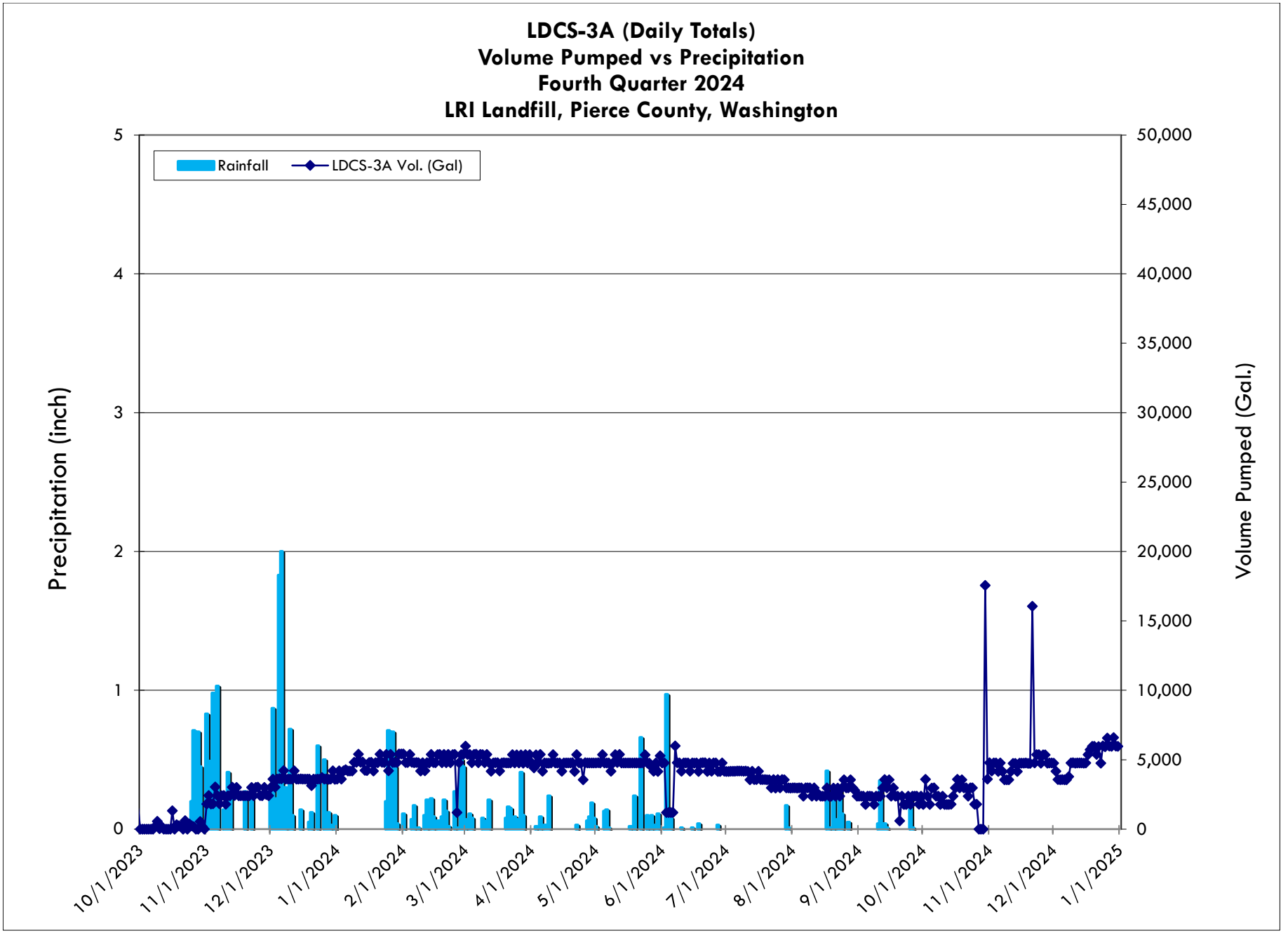
*Conductivity Probe and pump malfunction August 2023 through March 2024

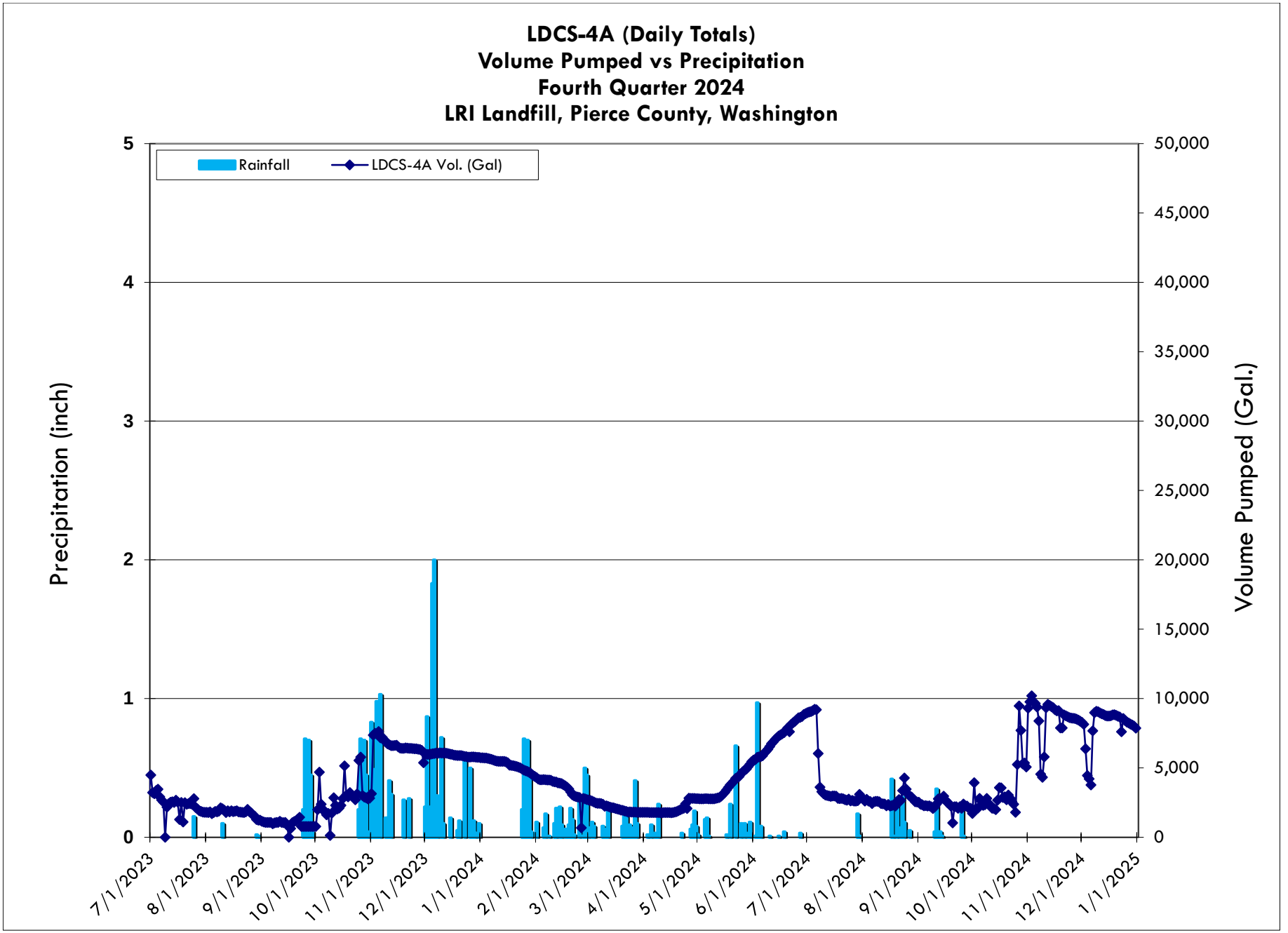



LDCS-1 (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-1 Vol. (Gal.)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-2A (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-2B (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-2B 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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-3A (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-4A (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
7/1/2023
8/1/2023
9/1/2023
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
4/1/2024
5/1/2024
6/1/2024
7/1/2024
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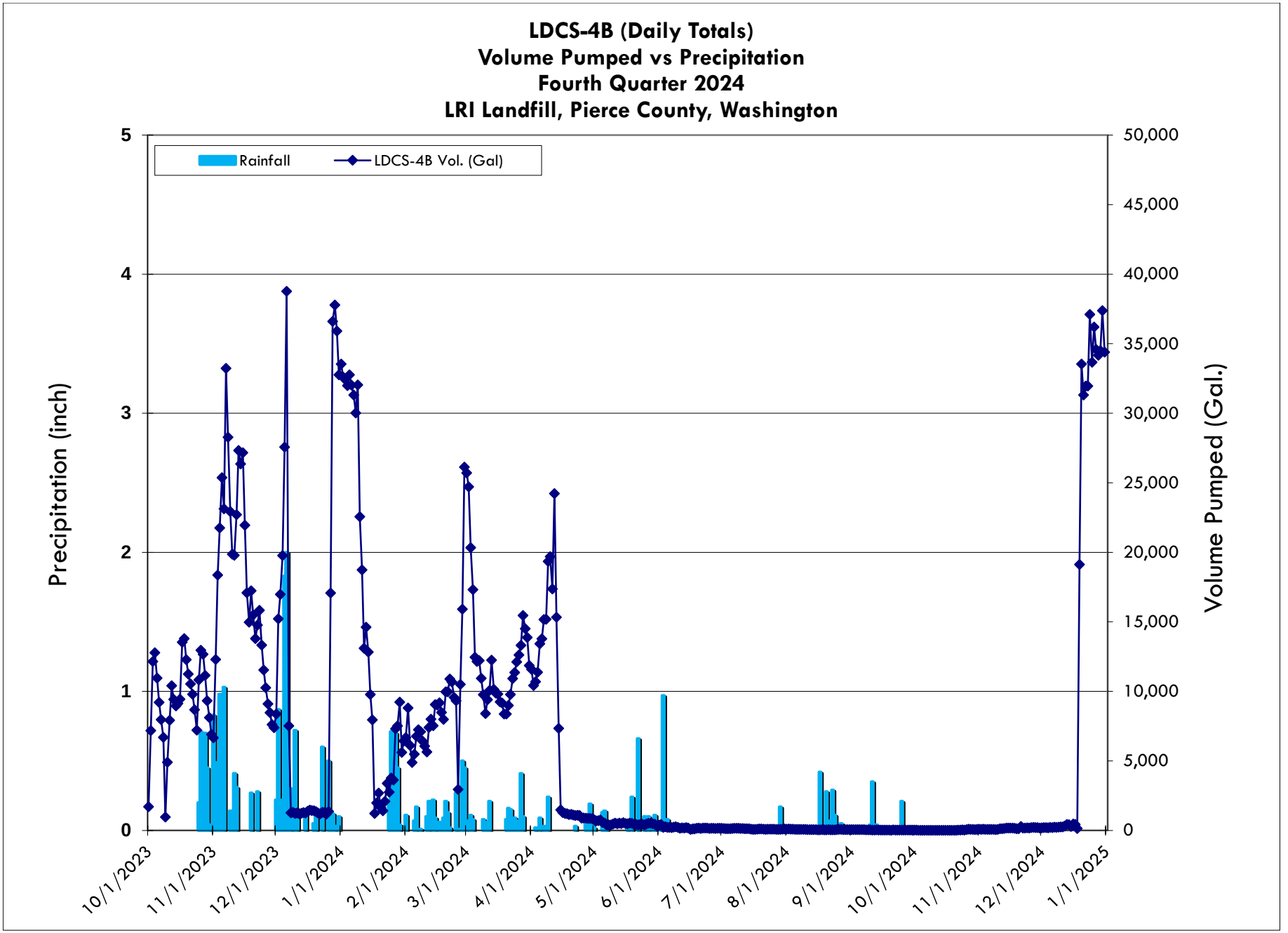
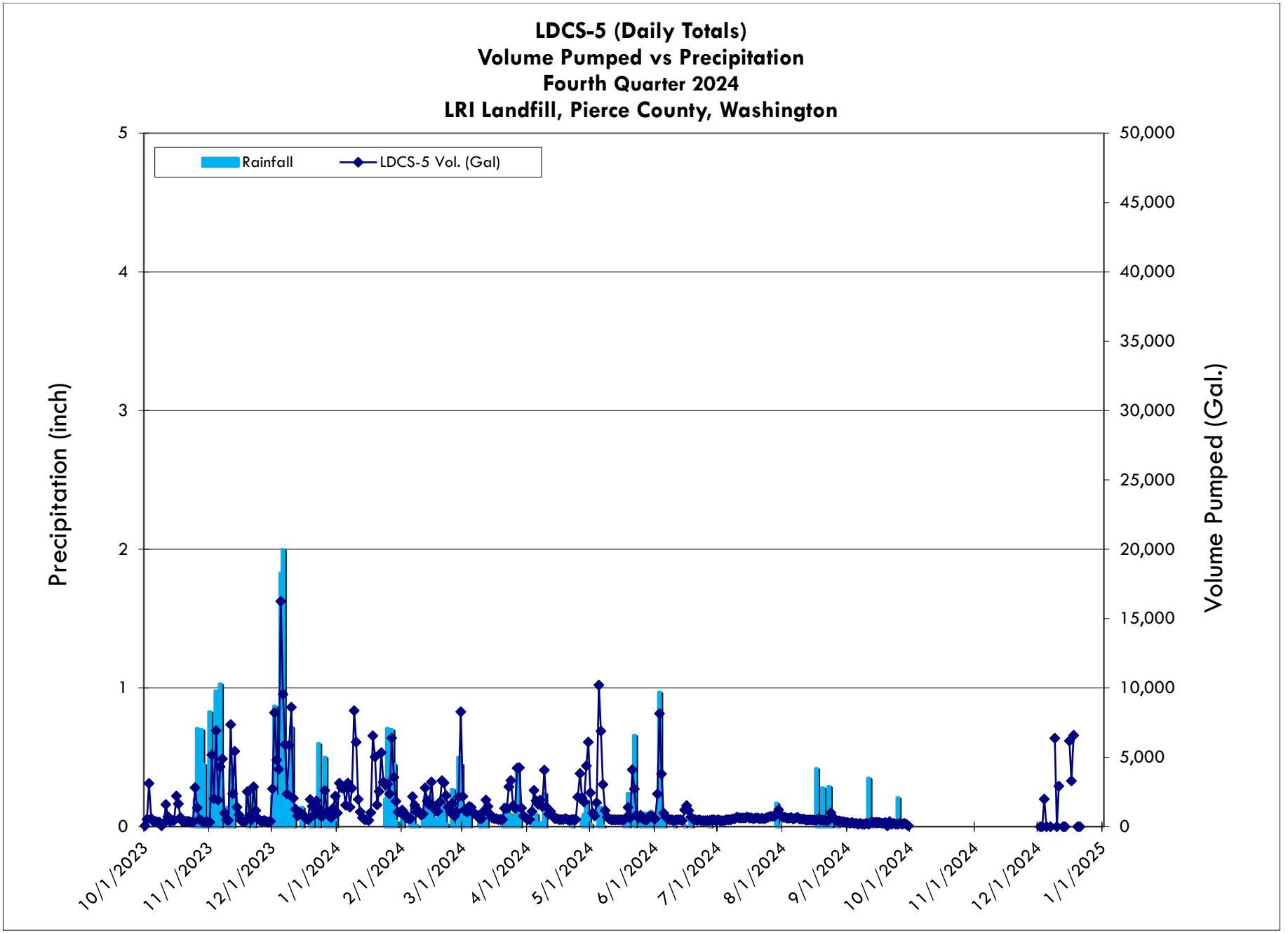
1/1/2025


LDCS-4B (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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


LDCS-5 (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
4/1/2024
5/1/2024
6/1/2024
7/1/2024
8/1/2024
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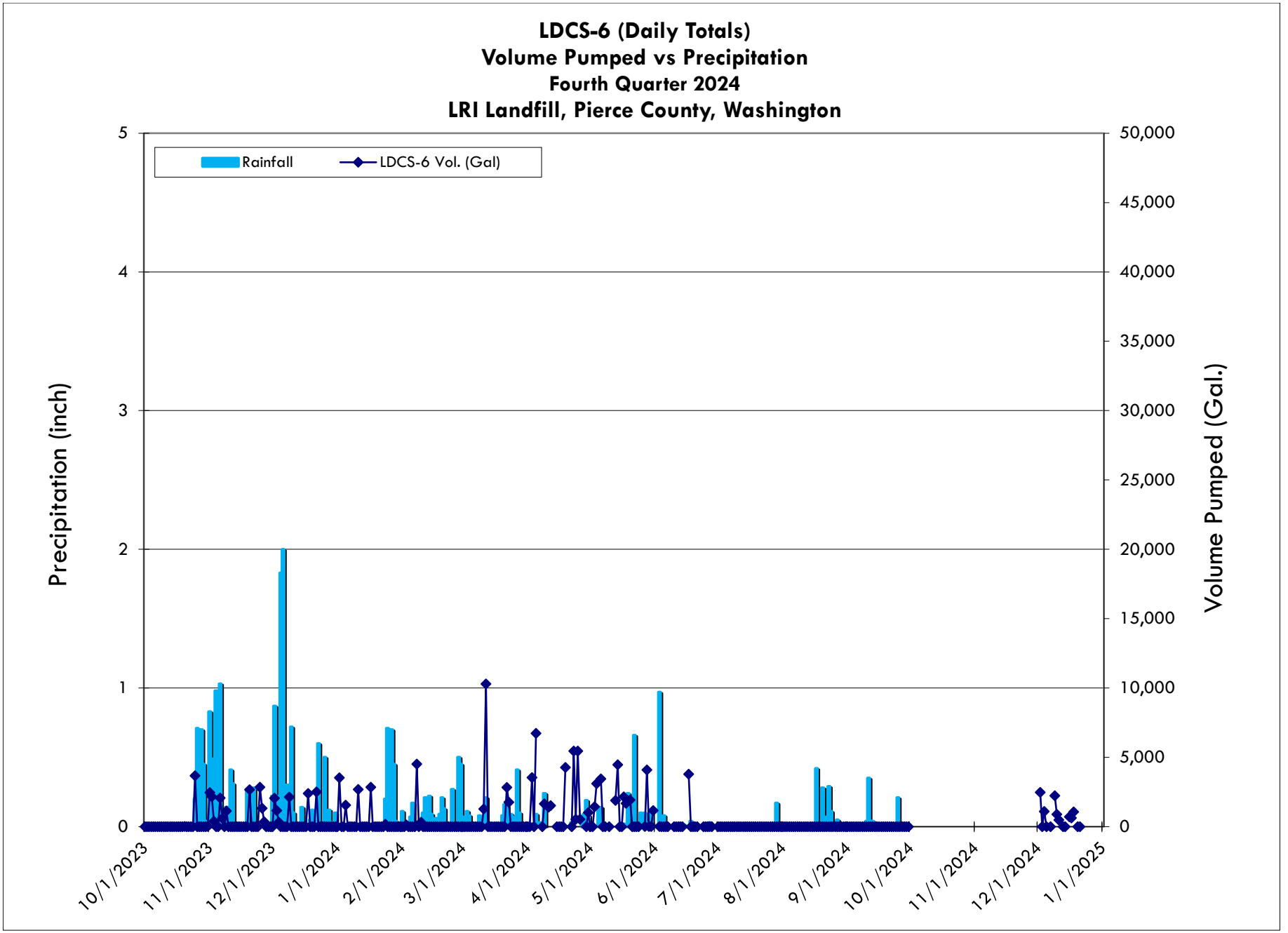
11/1/2024
12/1/2024
1/1/2025


LDCS-6 (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
4/1/2024
5/1/2024
6/1/2024
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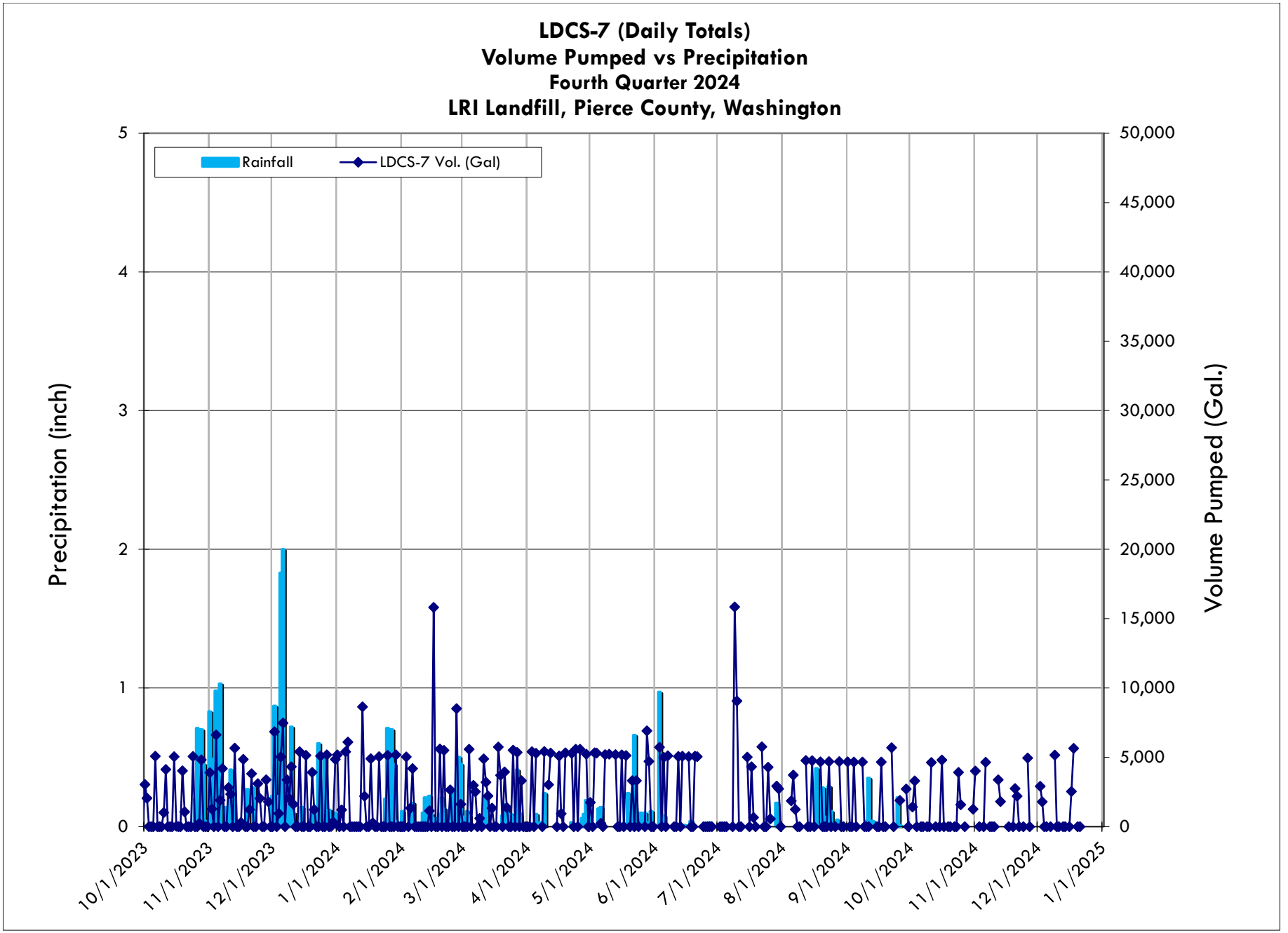
8/1/2024
9/1/2024
10/1/2024
11/1/2024
12/1/2024
1/1/2025


LDCS-7 (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
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
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
4/1/2024
5/1/2024
6/1/2024
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8/1/2024
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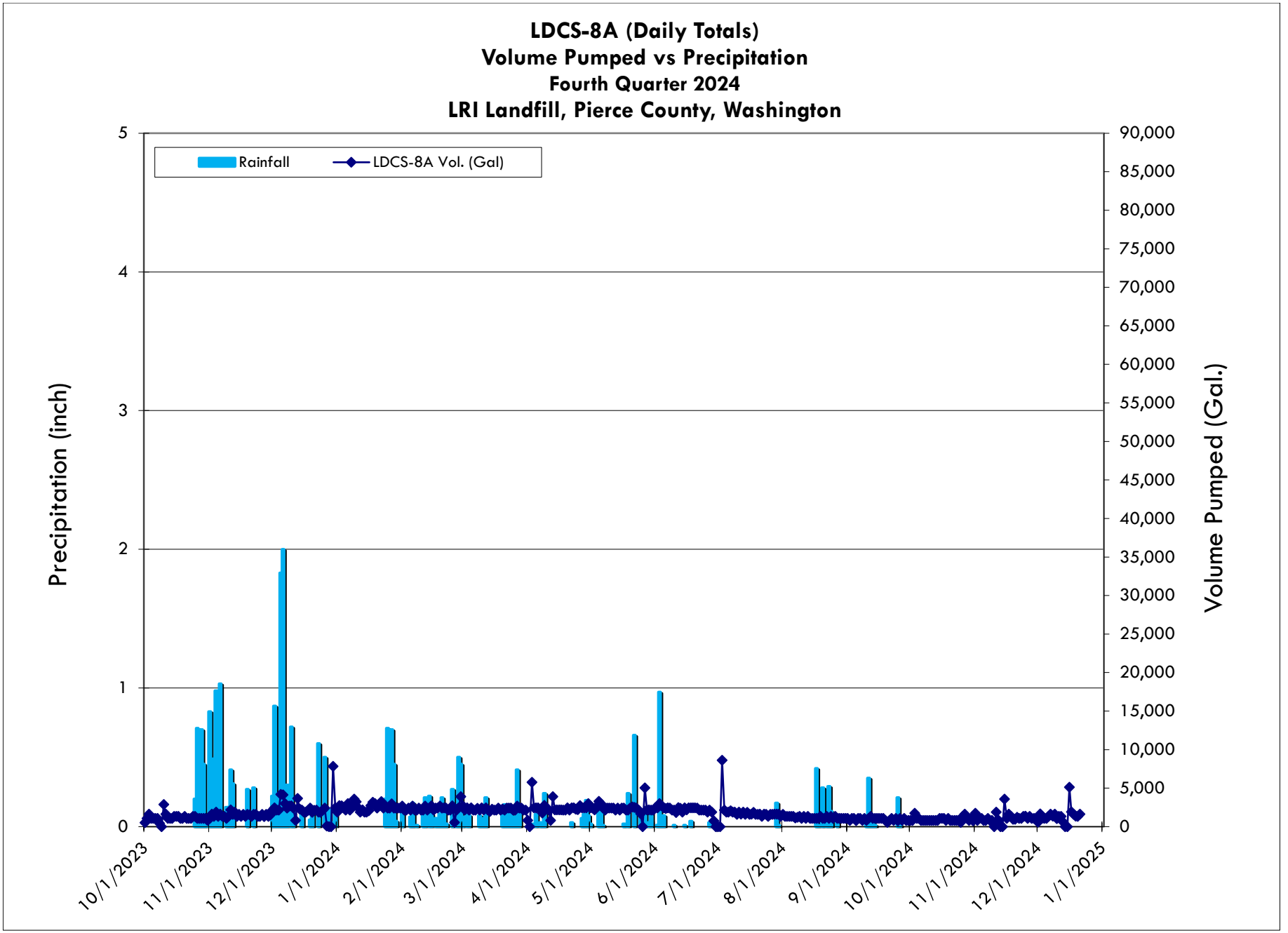
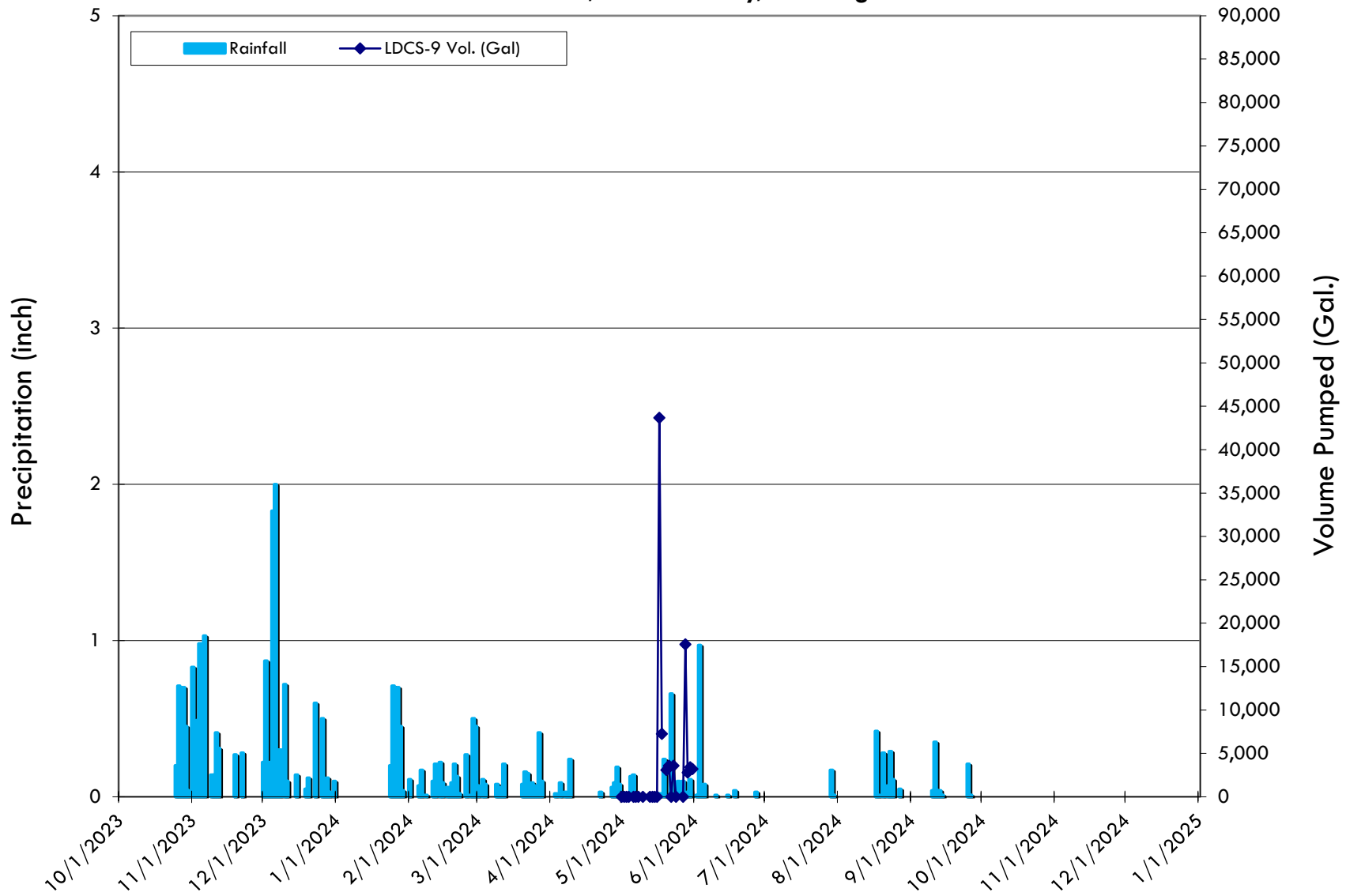
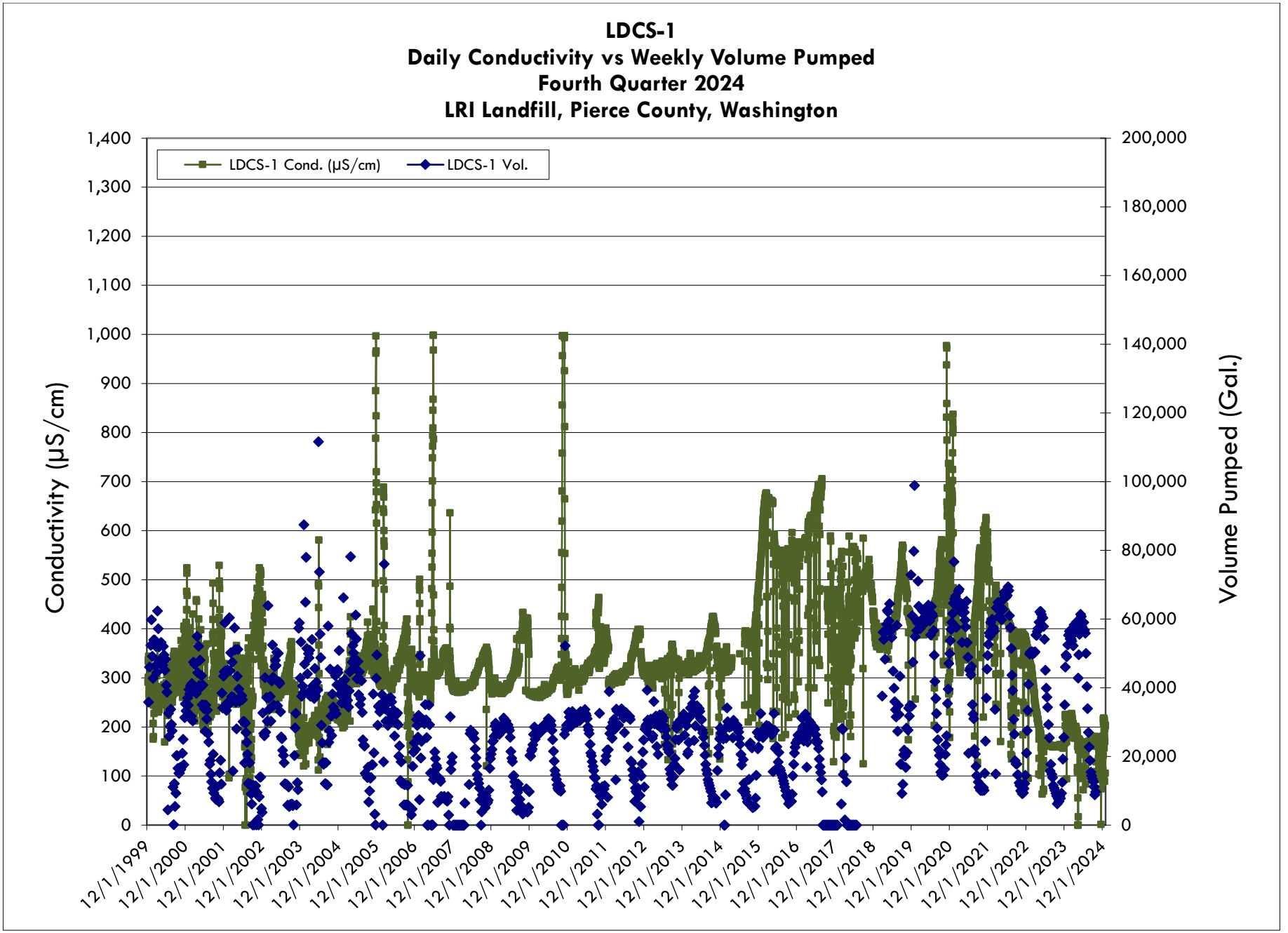
10/1/2024
11/1/2024
12/1/2024
1/1/2025

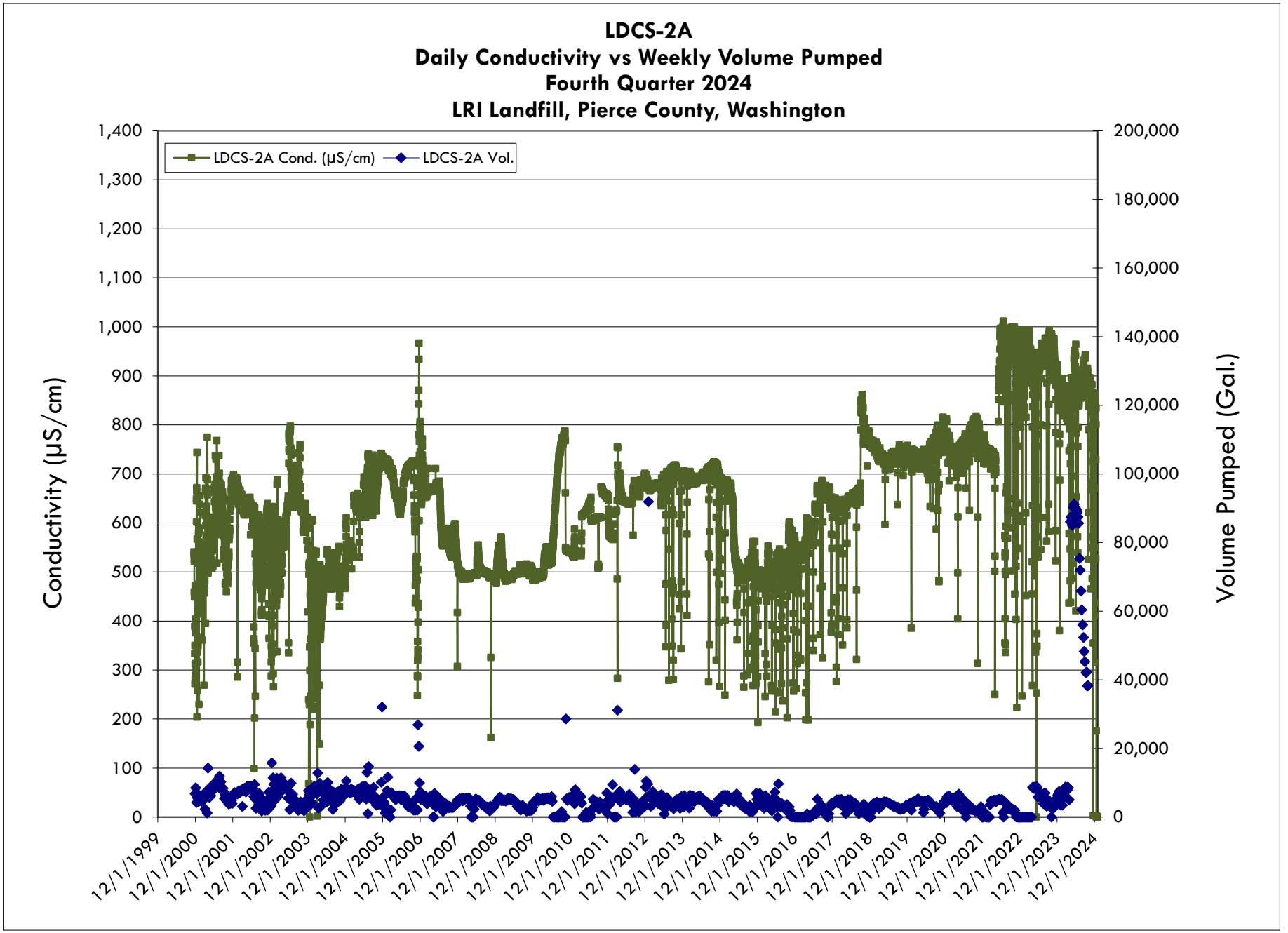

LDCS-8A (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
Rainfall
LDCS-8A Vol. (Gal)
Precipitation (inch)
Volume Pumped (Gal.)
0
1
2
3
4
5
0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000
45,000
50,000
55,000
60,000
65,000
70,000
75,000
80,000
85,000
90,000
10/1/2023
11/1/2023
12/1/2023
1/1/2024
2/1/2024
3/1/2024
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

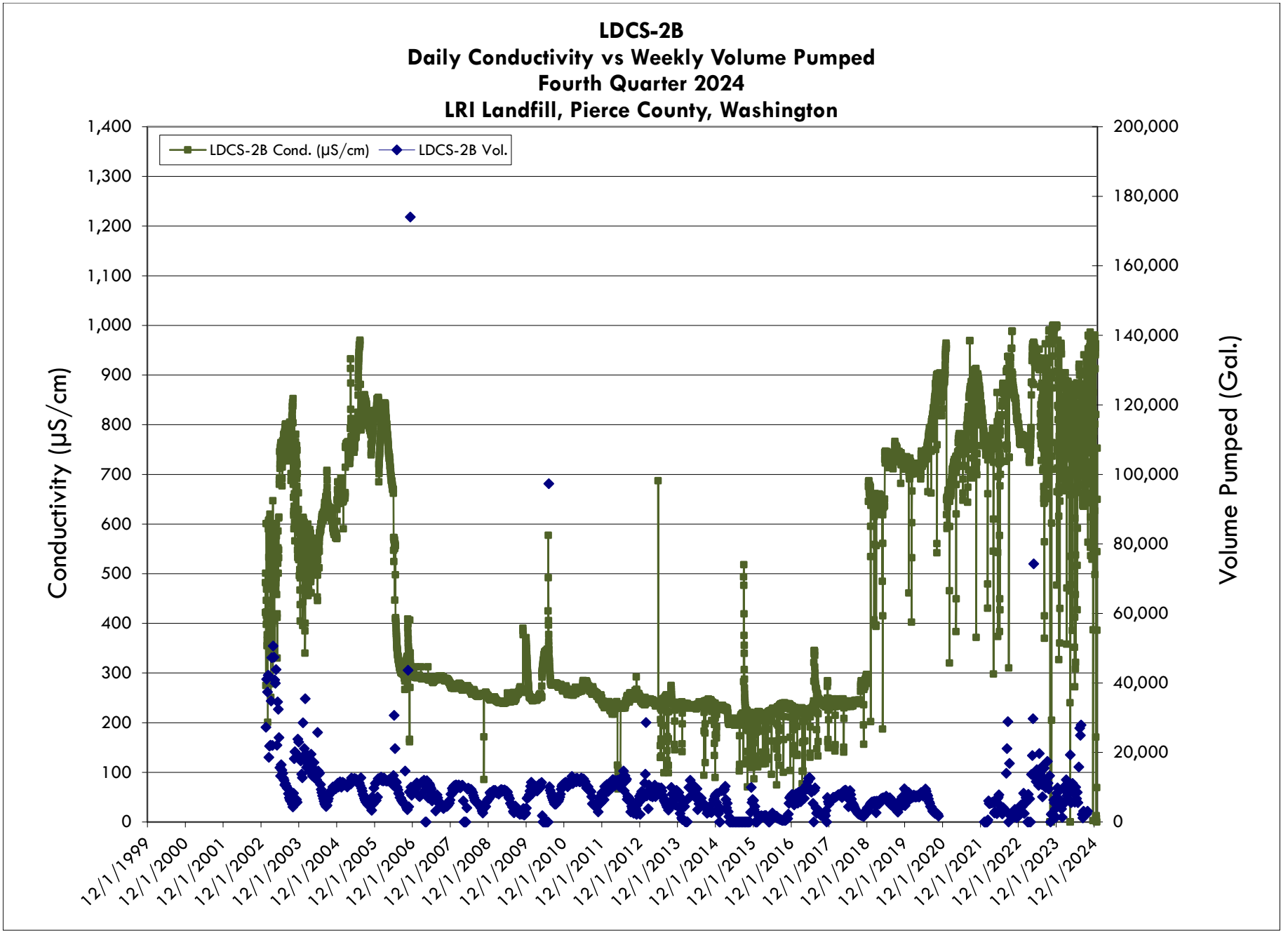
LDCS-9 (Daily Totals)
Volume Pumped vs Precipitation
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

Probe malfunction from August 2023 through May 2024 and the month of June 2024

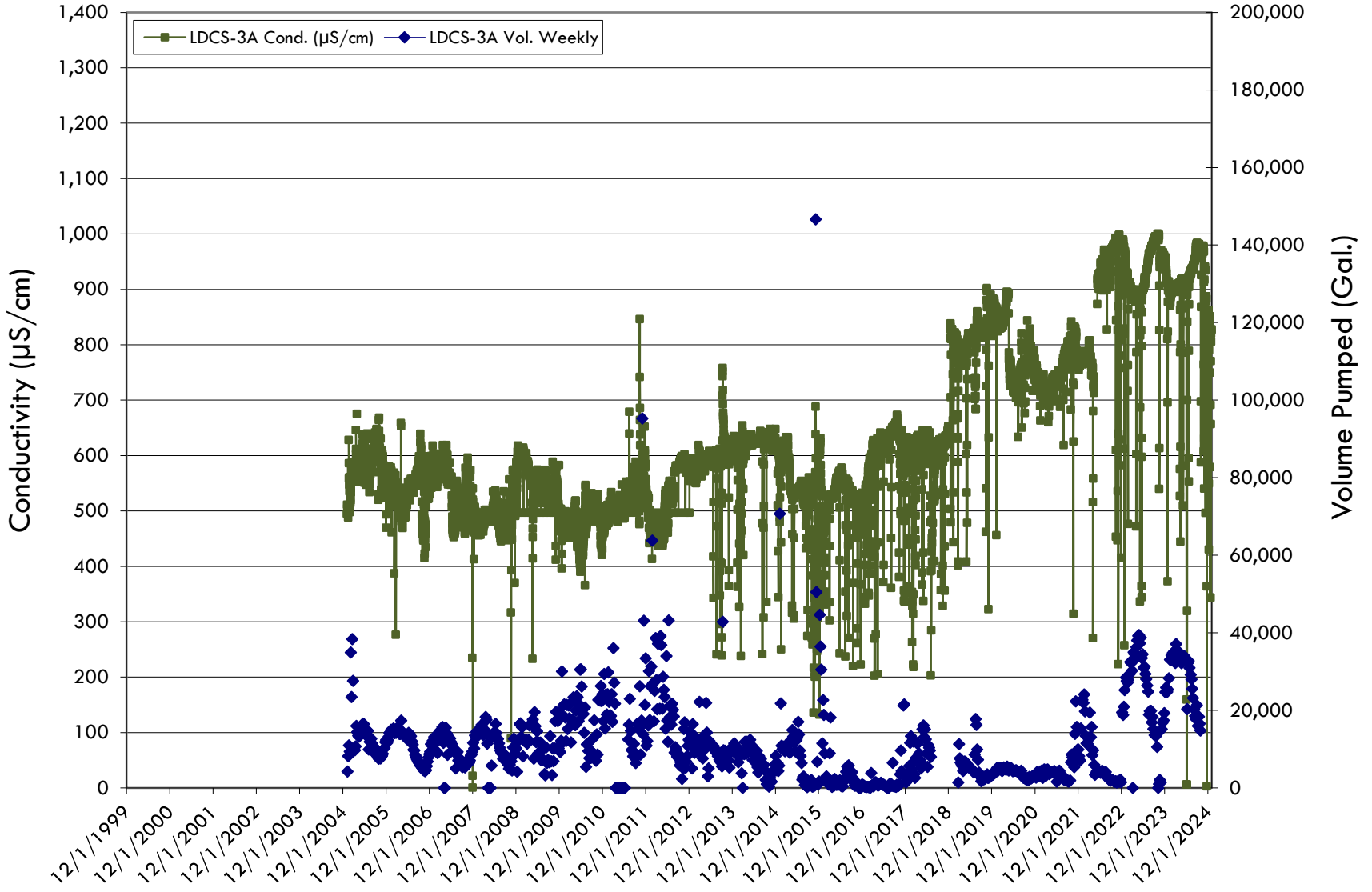



LDCS-1
Daily Conductivity vs Weekly Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-1 Cond. (µS/cm)
LDCS-1 Vol.
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
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

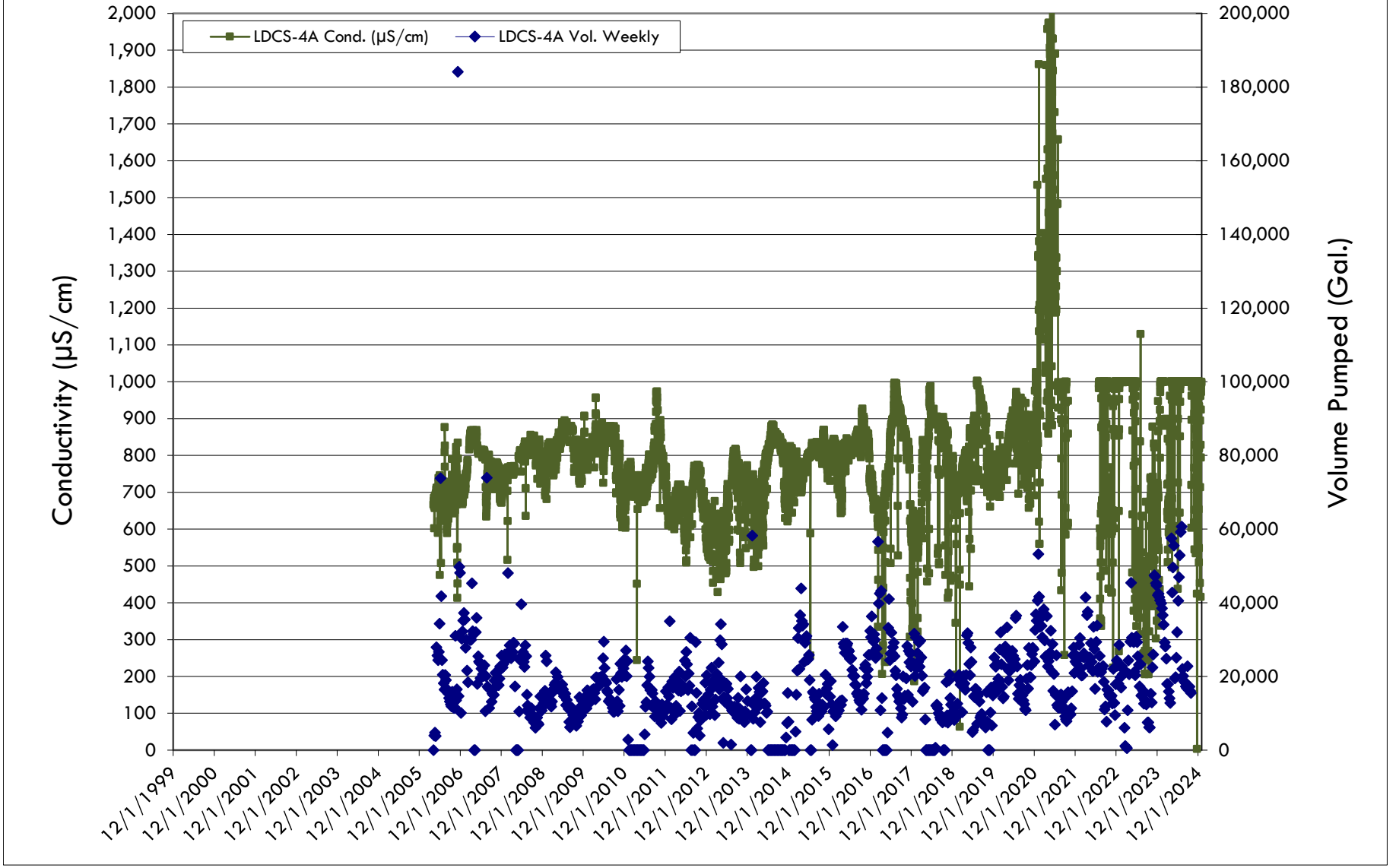

LDCS-2A
Daily Conductivity vs Weekly Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-2A Cond. (µS/cm)
LDCS-2A Vol.
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
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

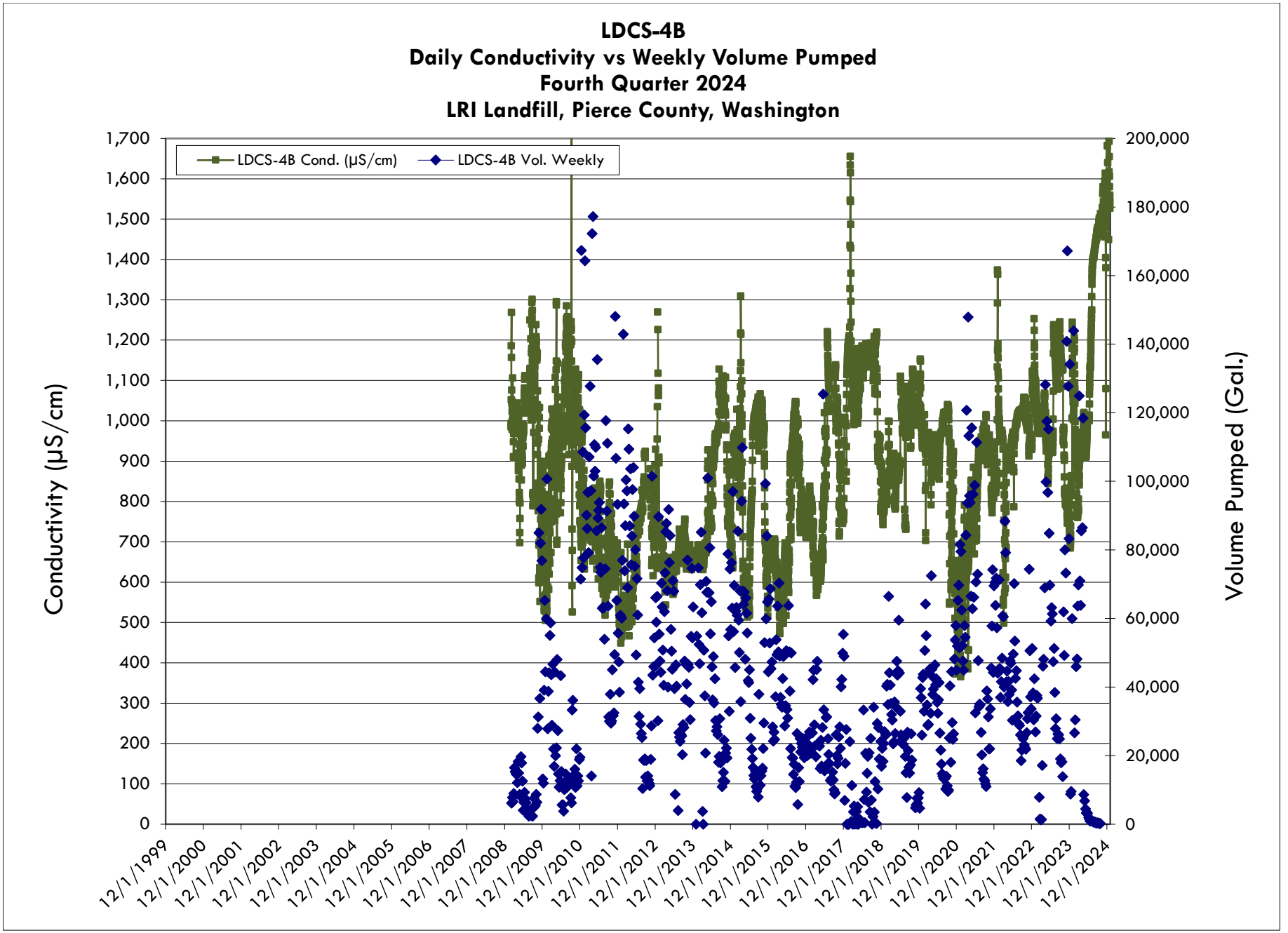

LDCS-2B
Daily Conductivity vs Weekly Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-2B Cond. (µS/cm)
LDCS-2B Vol.
Conductivity (µS/cm)
Volume Pumped (Gal.)
1,400
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
200,000
180,000
160,000
140,000
120,000
100,000
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
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington



LDCS-4A
Daily Conductivity vs Weekly Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington




LDCS-4B
Daily Conductivity vs Weekly Volume Pumped
Fourth Quarter 2024
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
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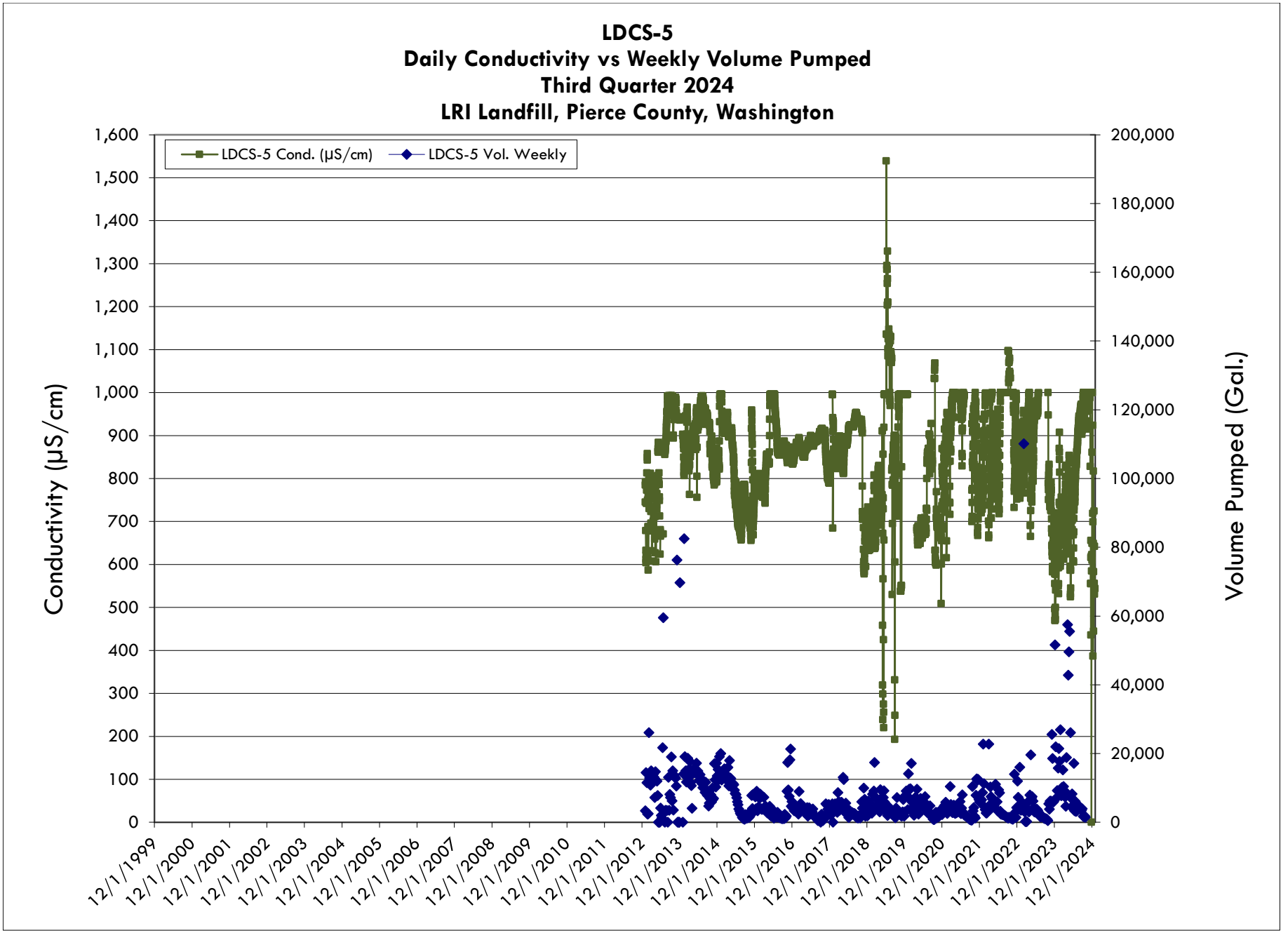
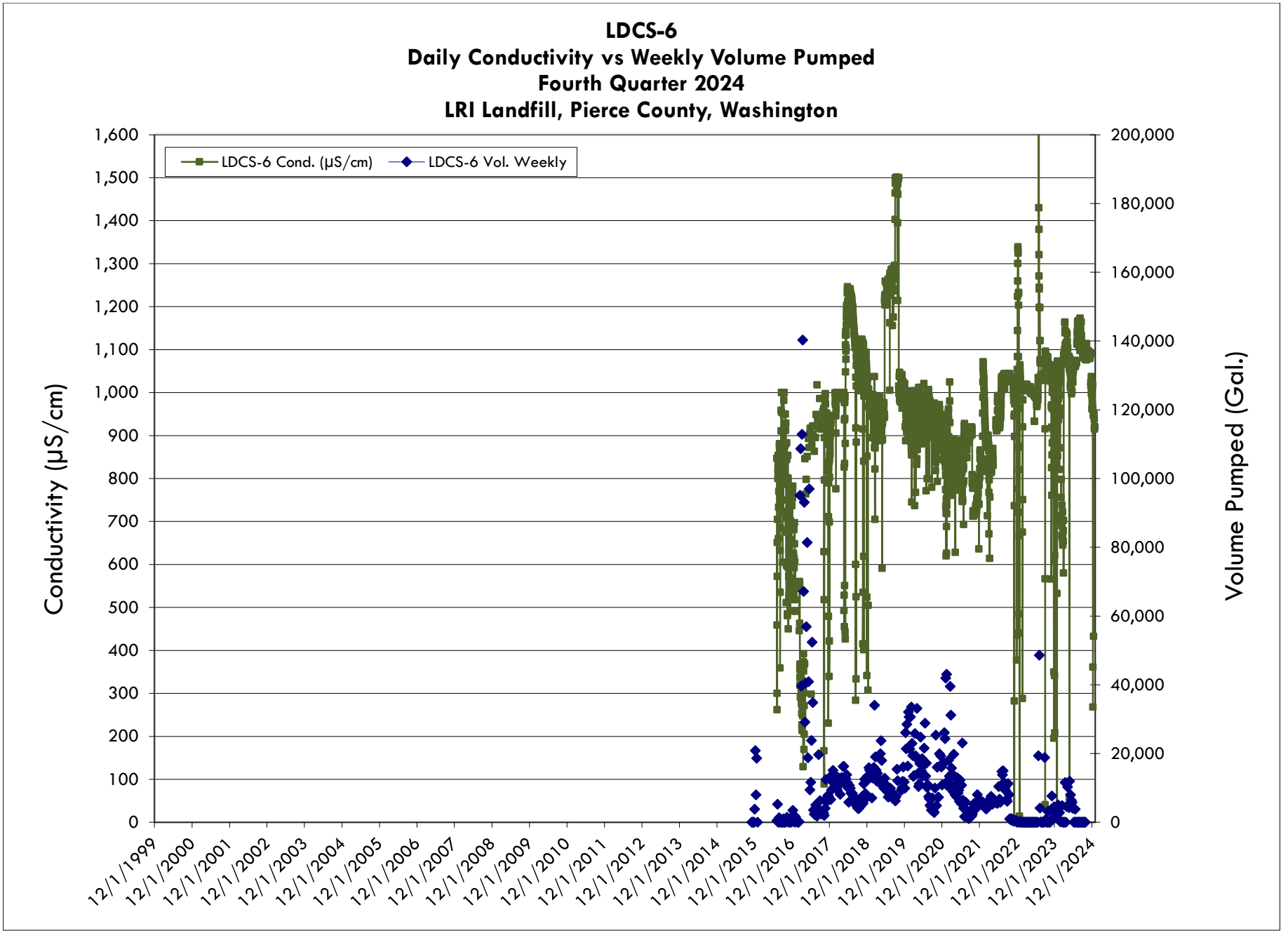
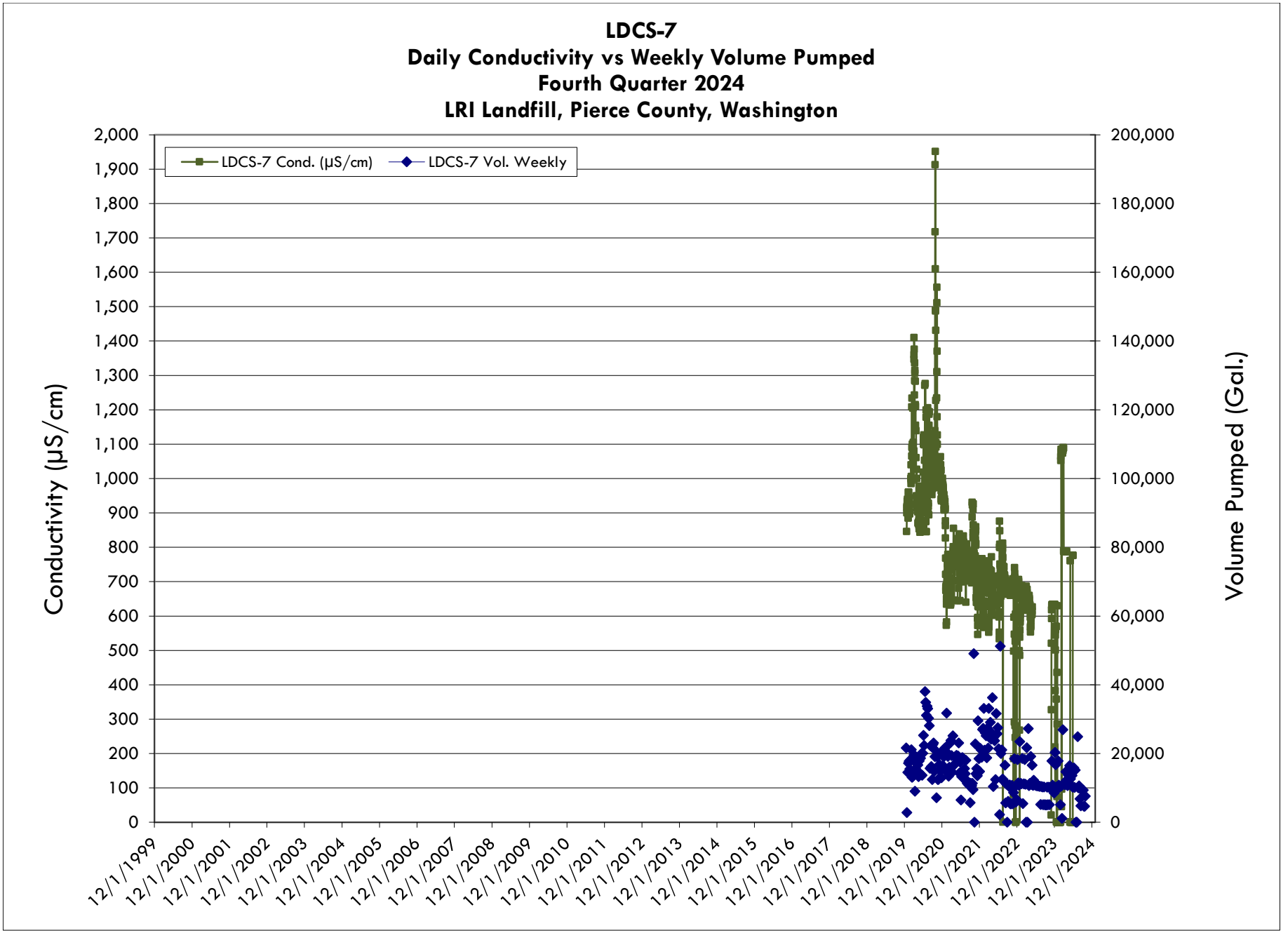
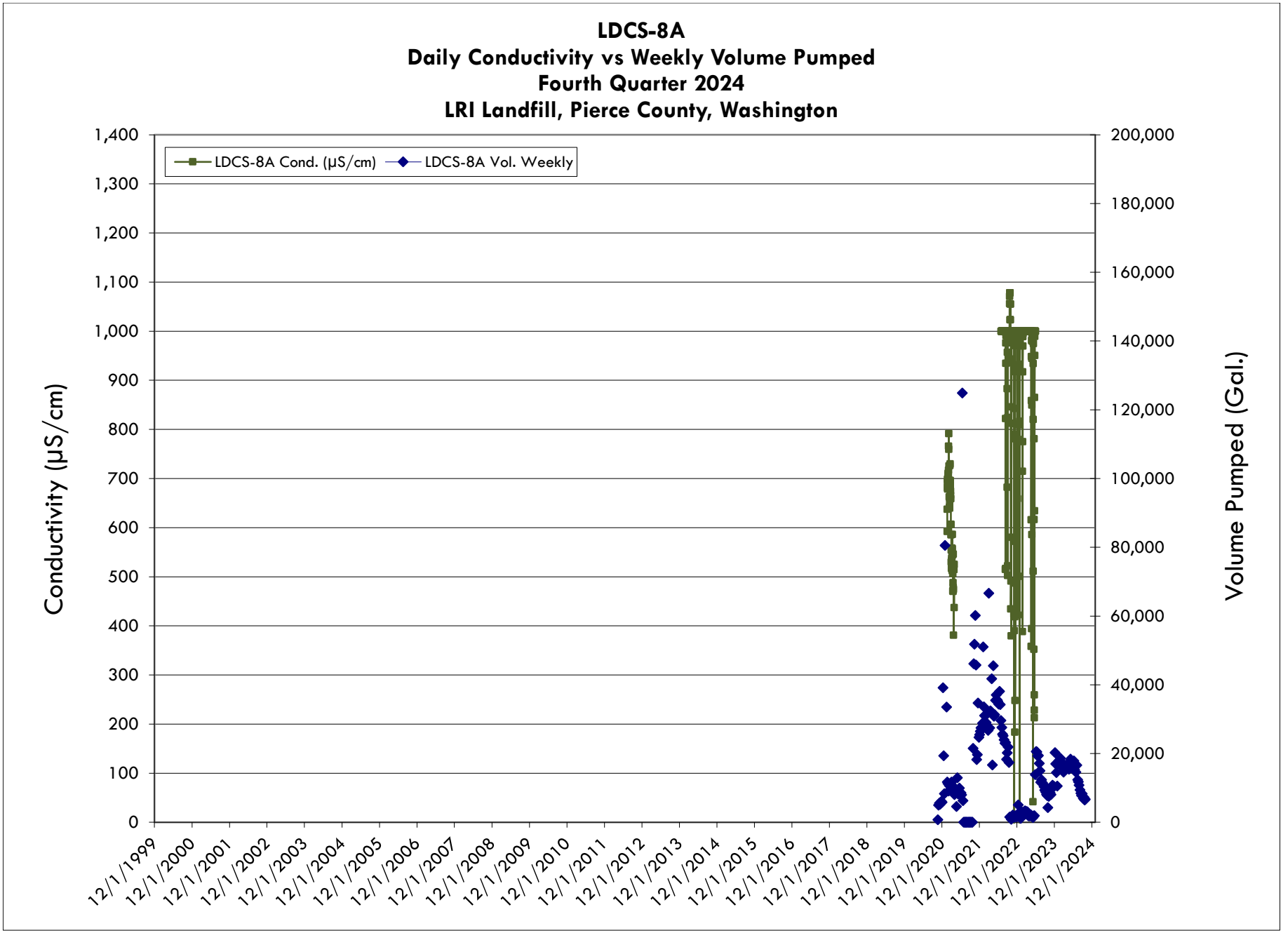
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024


LDCS-5
Daily Conductivity vs Weekly Volume Pumped
Third Quarter 2024
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
Fourth Quarter 2024
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
Fourth Quarter 2024
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
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington
LDCS-8A Cond. (µS/cm)
LDCS-8A 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
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12/1/2011
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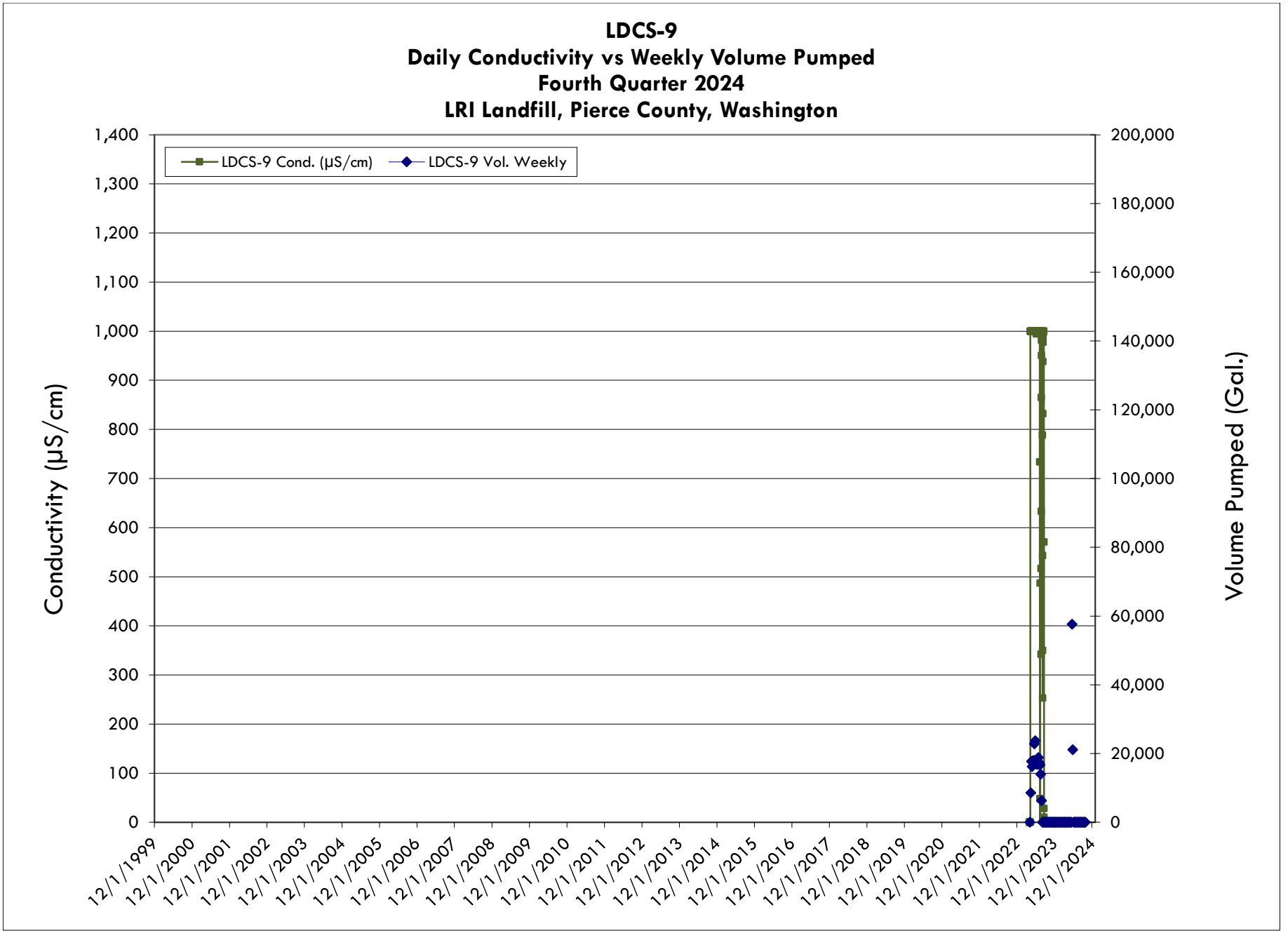
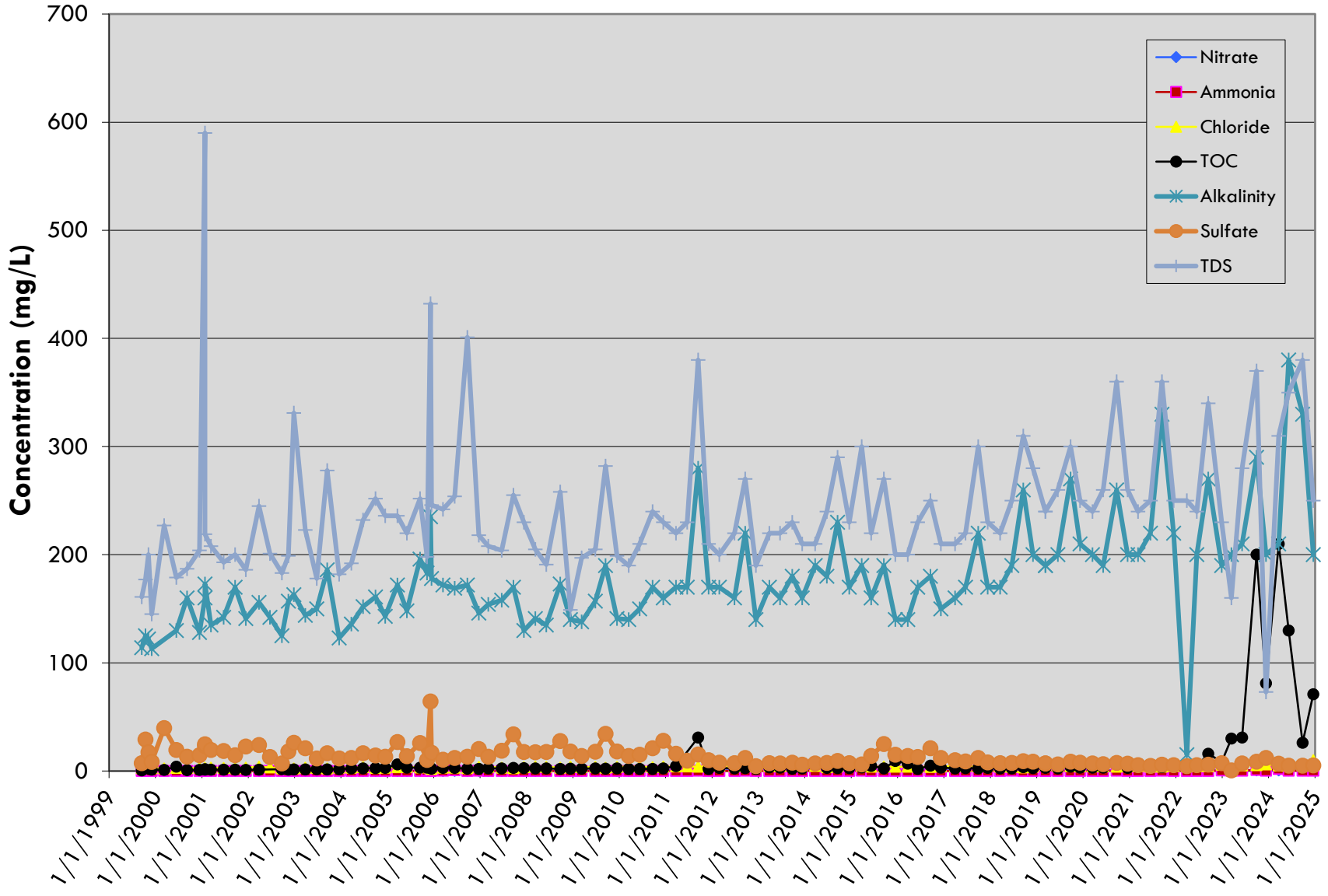
12/1/2013
12/1/2014
12/1/2015
12/1/2016
12/1/2017
12/1/2018
12/1/2019
12/1/2020
12/1/2021
12/1/2022
12/1/2023
12/1/2024

LDCS-9
Daily Conductivity vs Weekly Volume Pumped
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

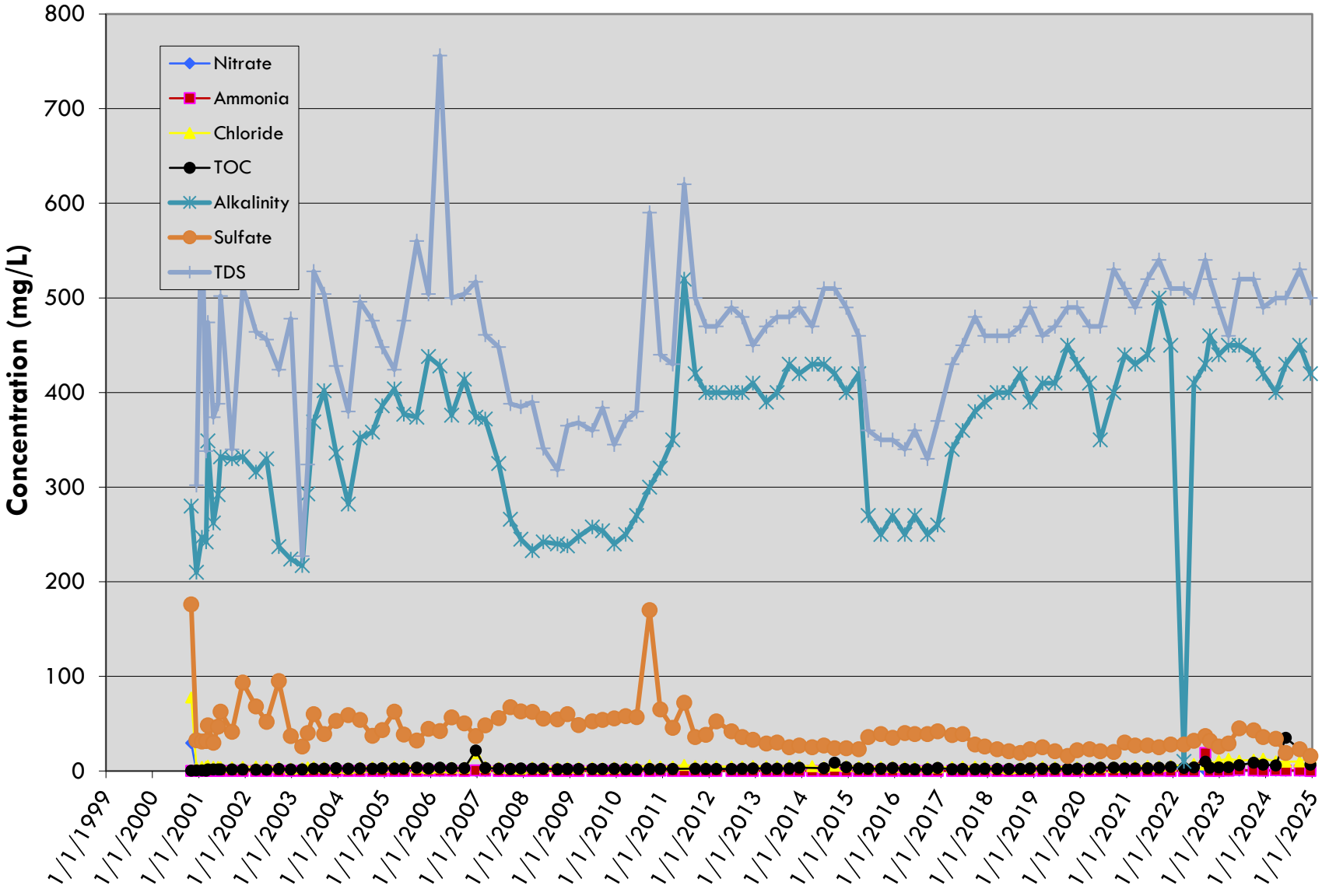


LDCS-1

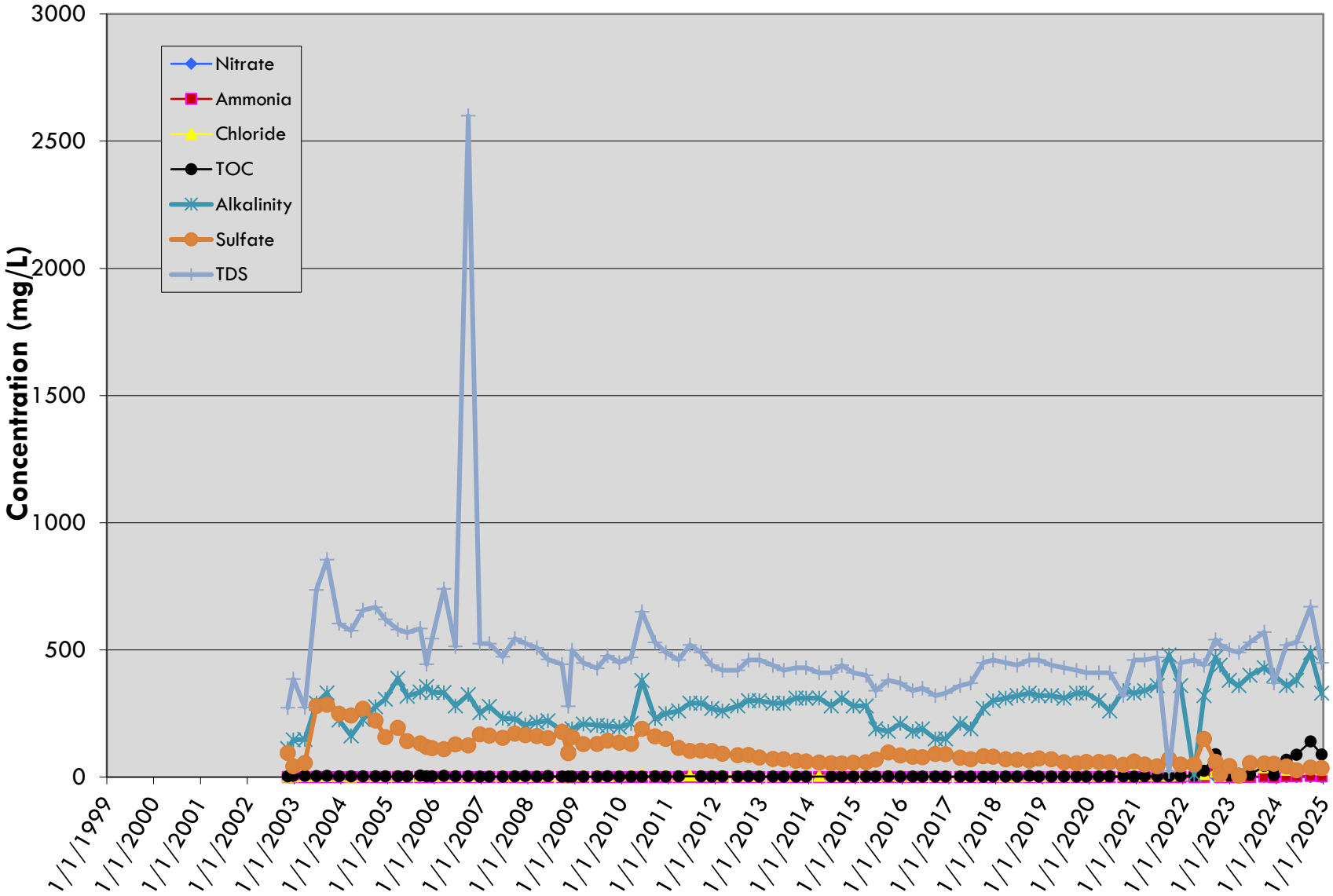
LRI Landfill, Pierce County, Washington



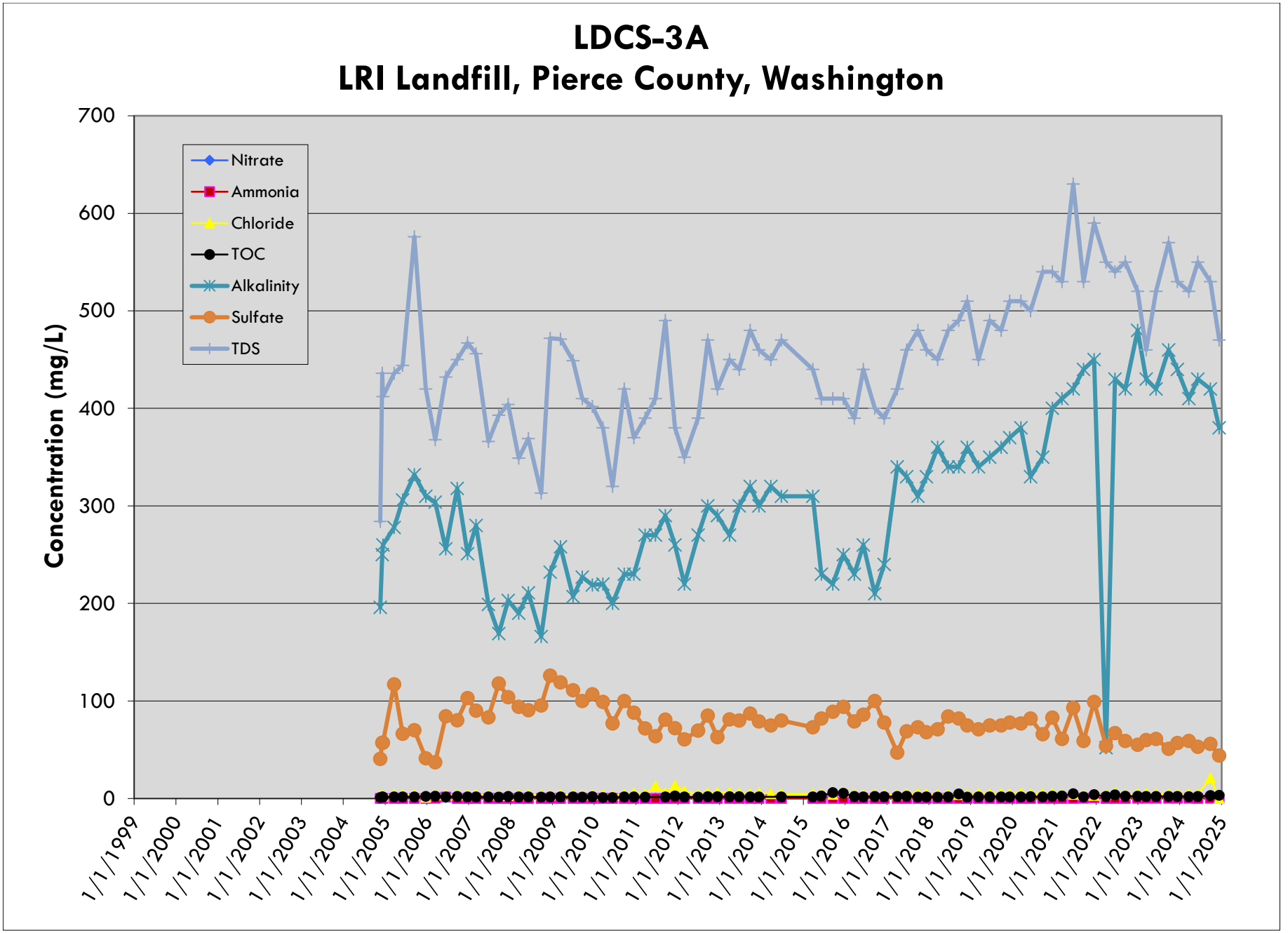
LDCS-2A
LRI Landfill, Pierce County, Washington



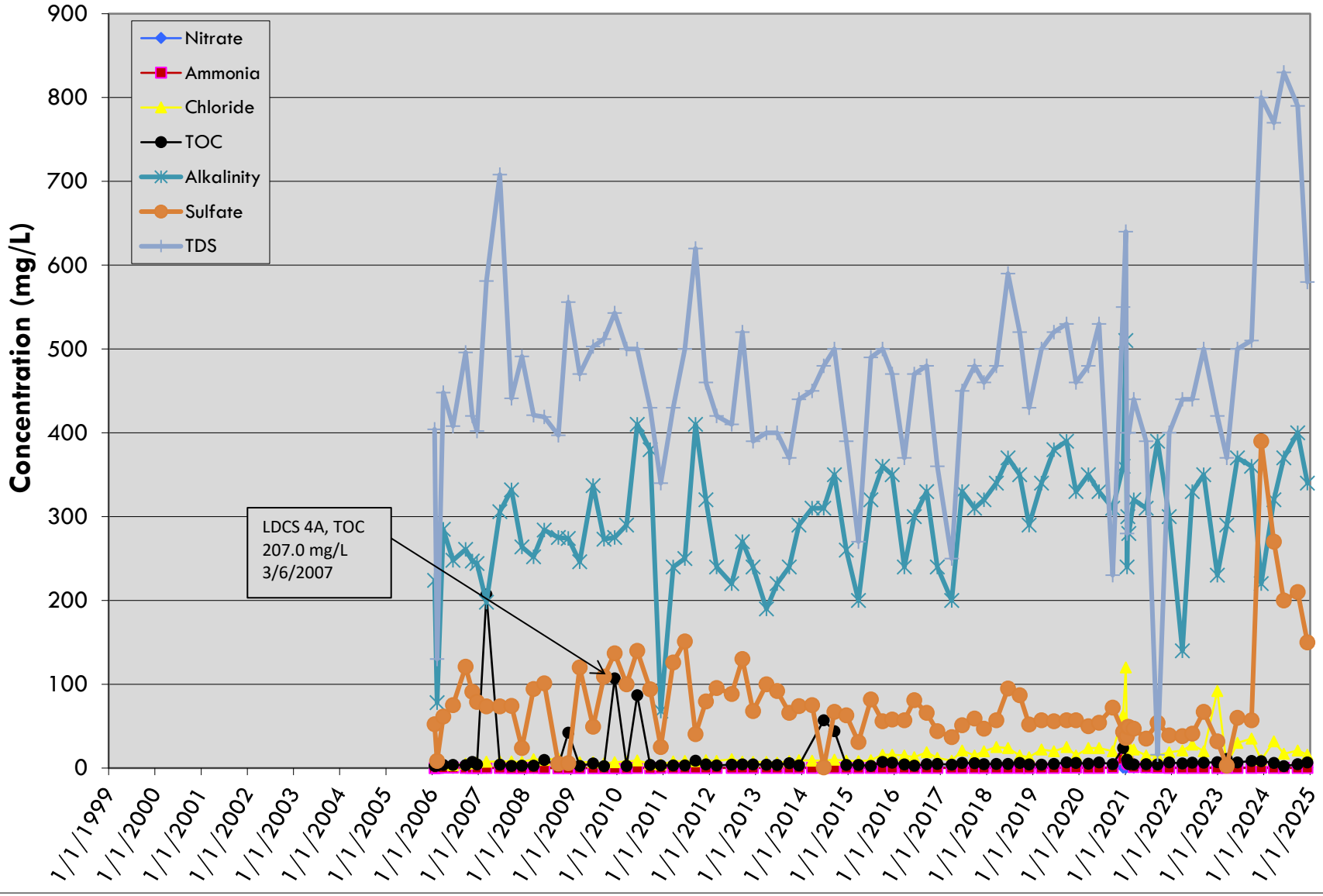
LDCS-2B
LRI Landfill, Pierce County, Washington



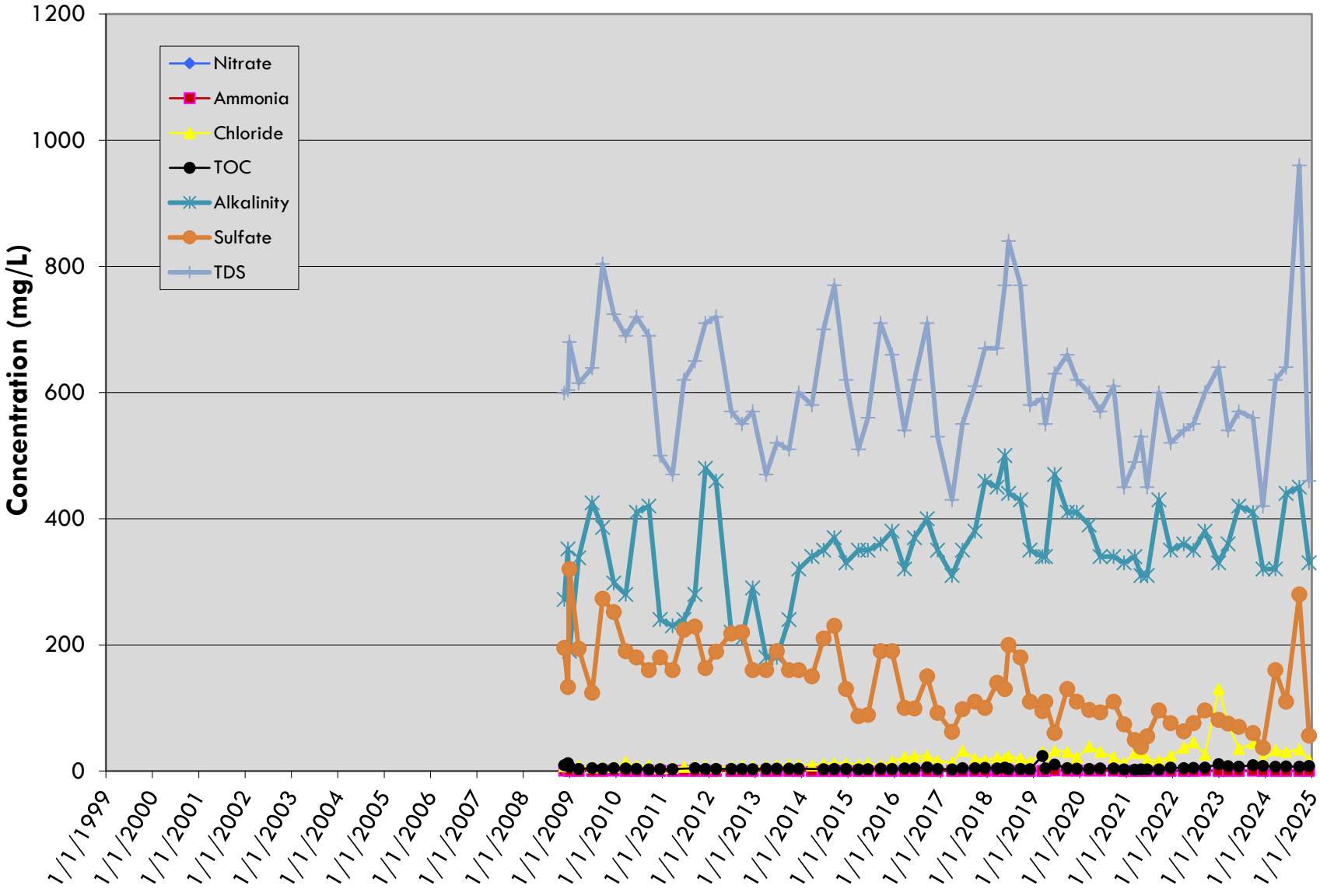
LDCS-3A
LRI Landfill, Pierce County, Washington



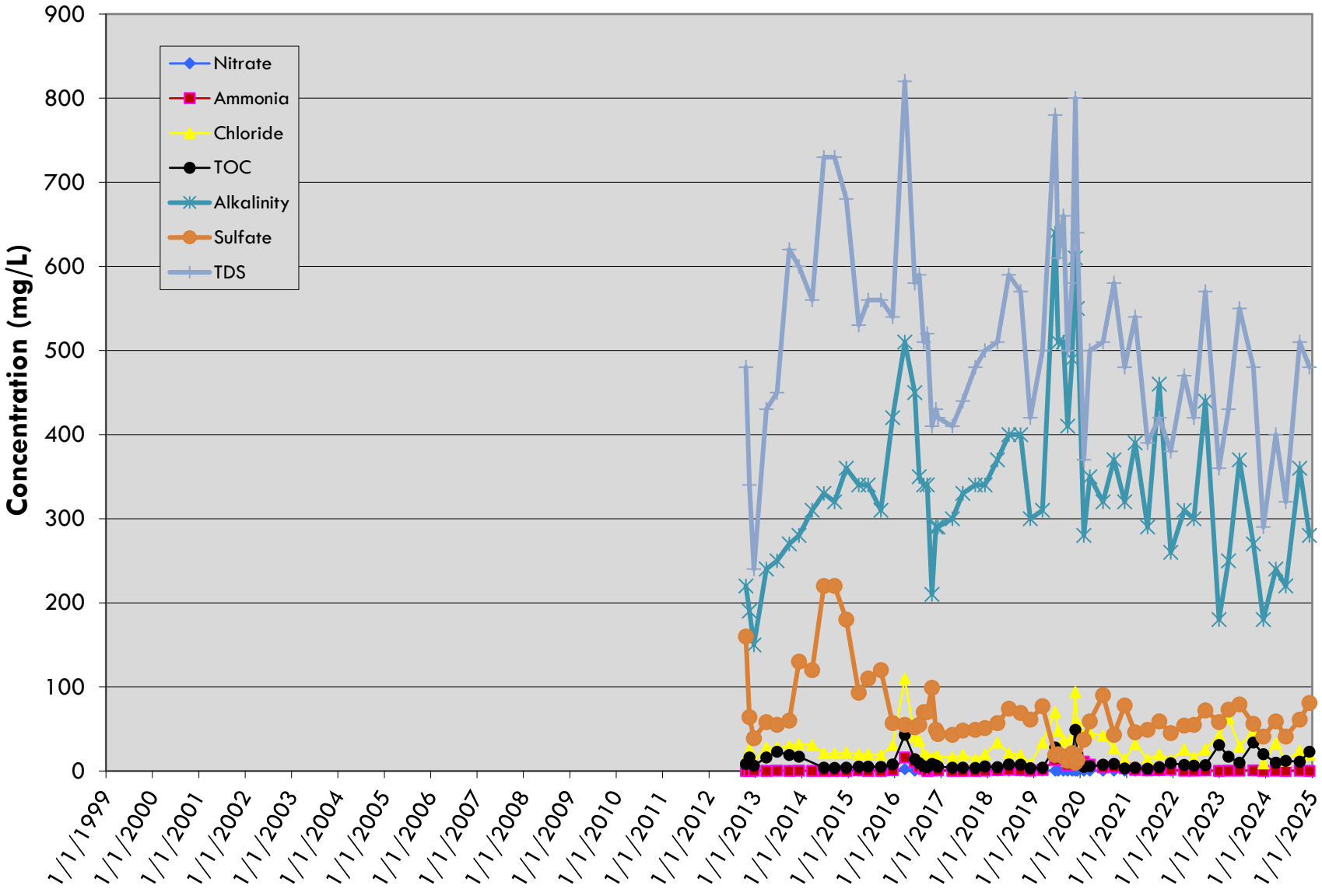
LDCS-4A
LRI Landfill, Pierce County, Washington



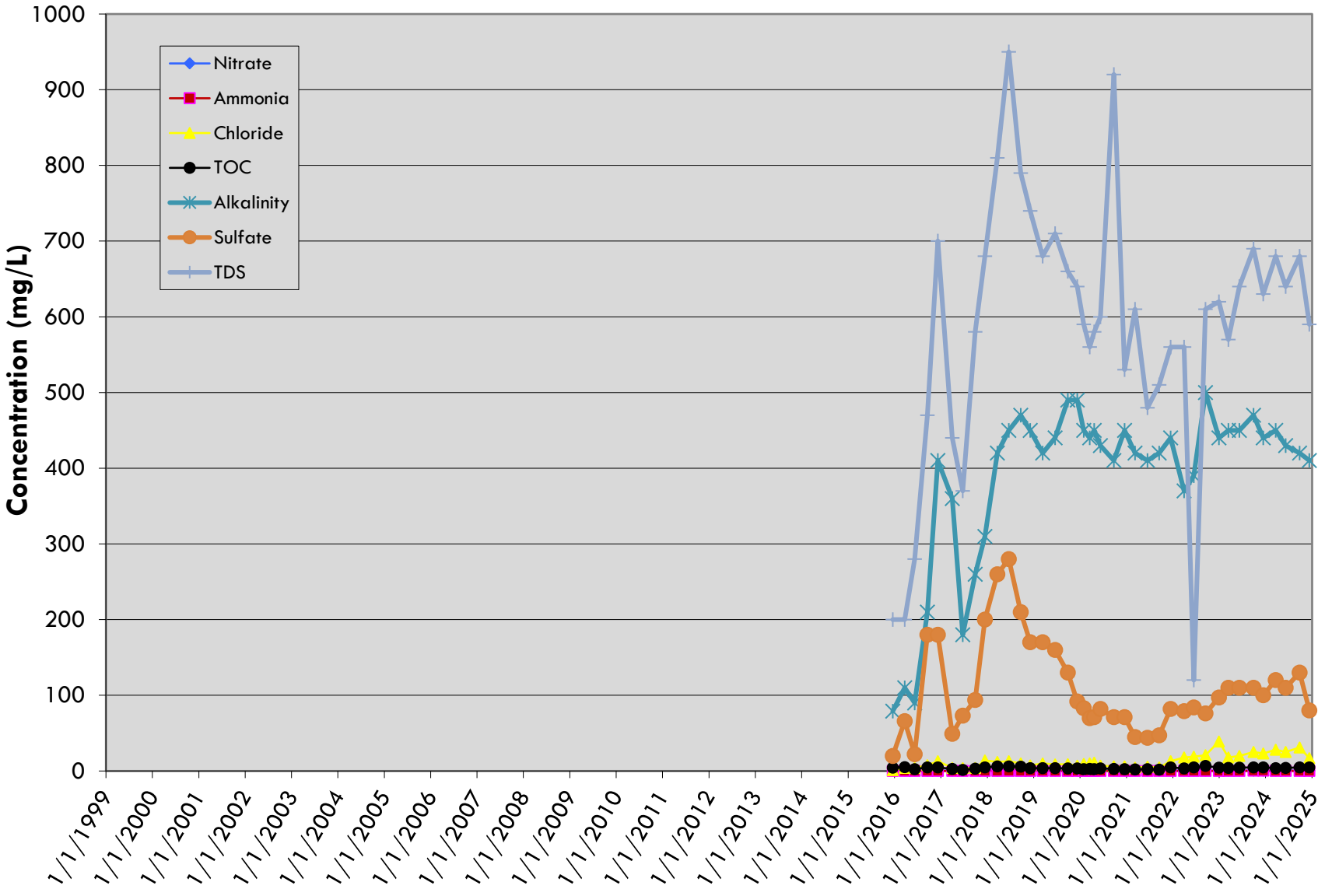
LDCS-4B
LRI Landfill, Pierce County, Washington

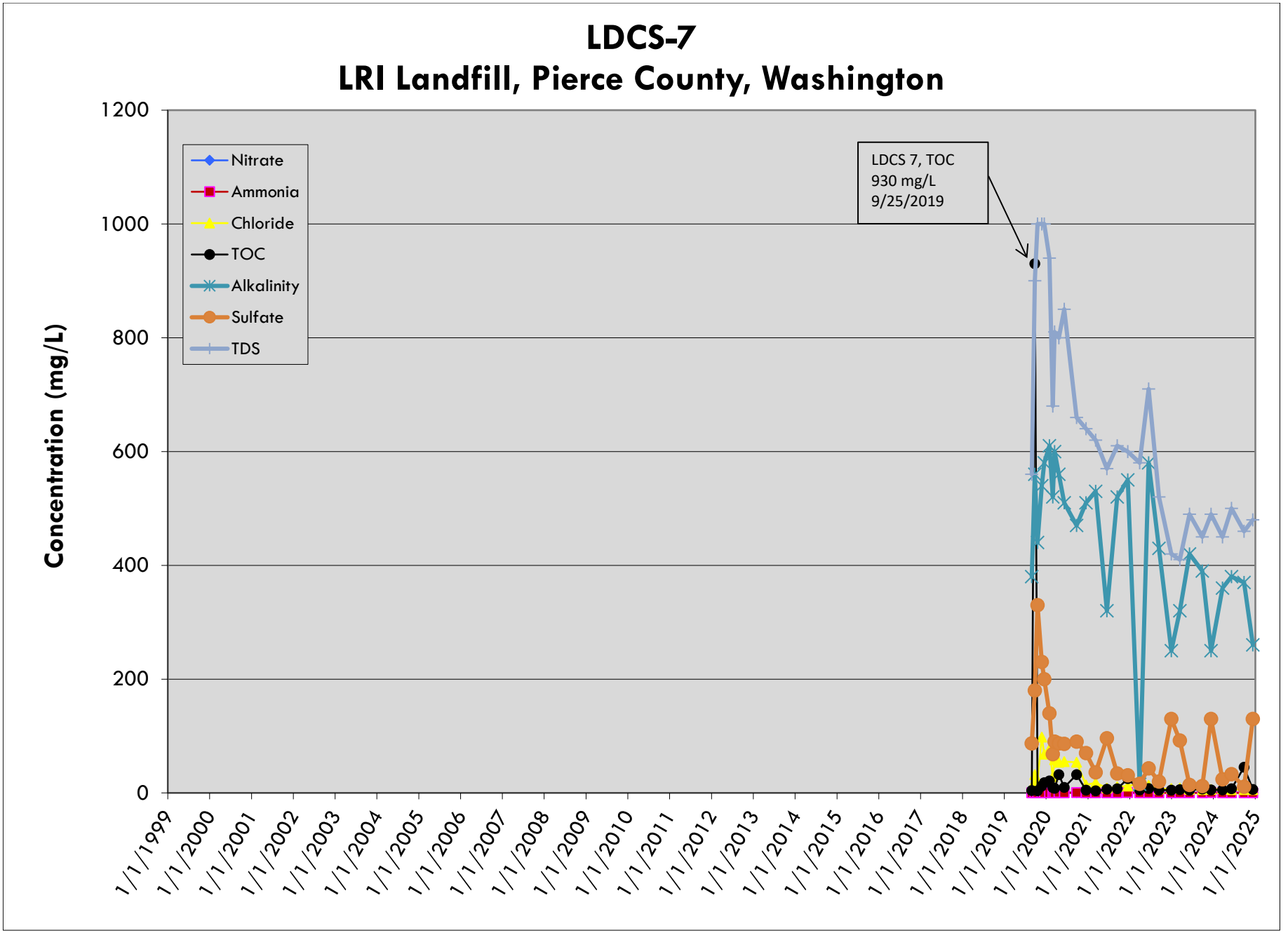


LDCS-5
LRI Landfill, Pierce County, Washington

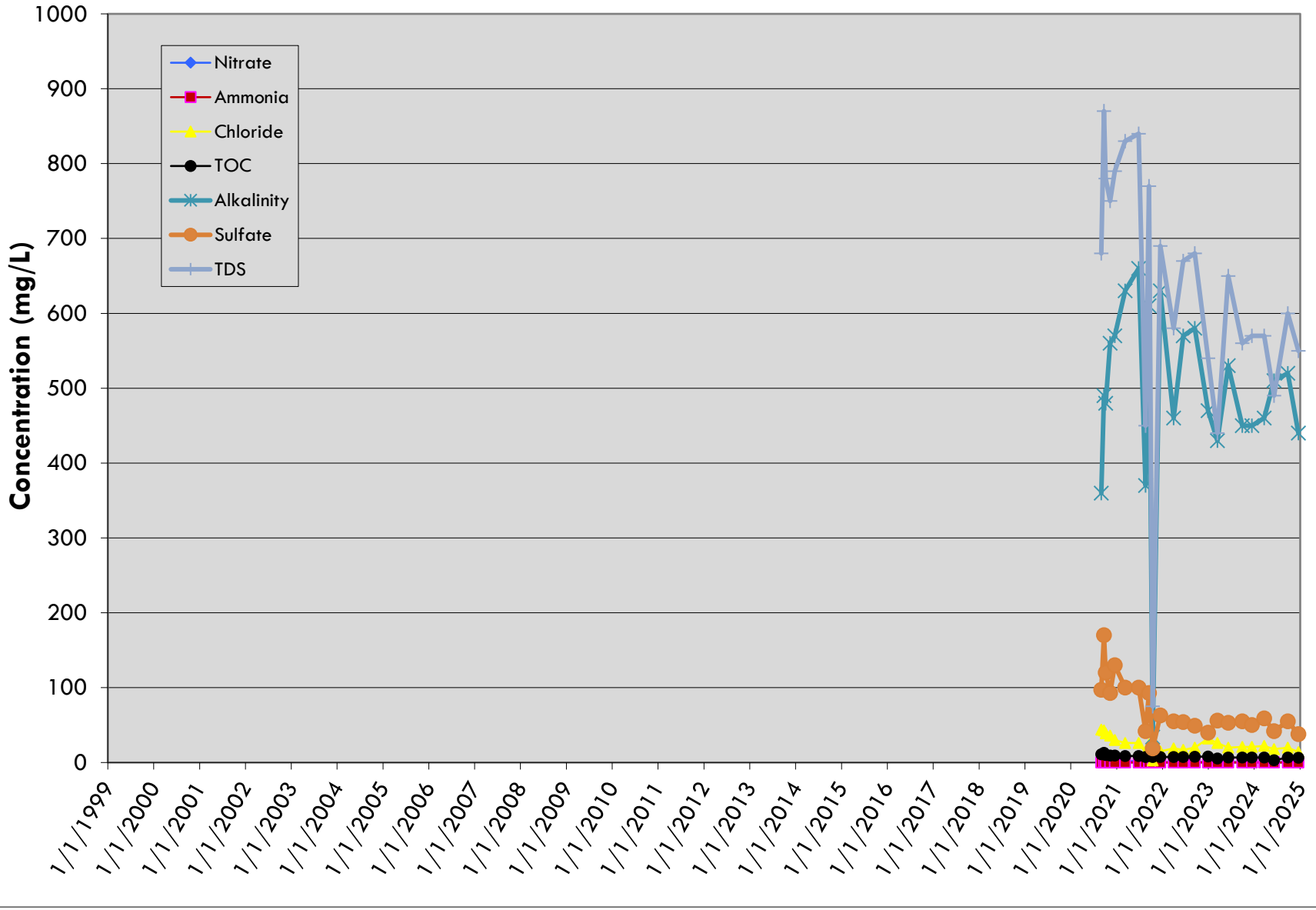


LDCS-6A
LRI Landfill, Pierce County, Washington

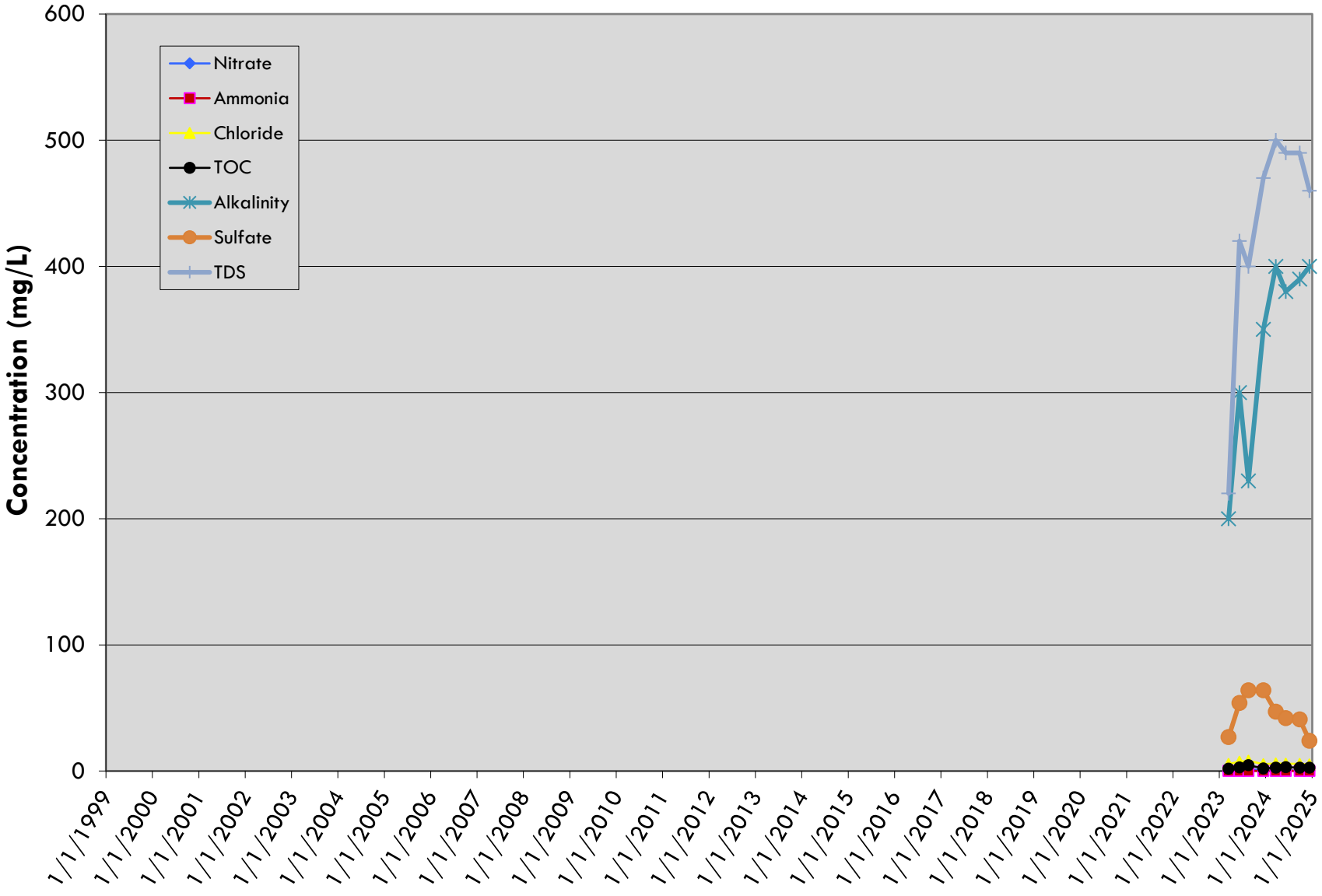



LDCS-7
LRI Landfill, Pierce County, Washington
Concentration (mg/L)
1200
1000
800
600
400
200
0
Nitrate
Ammonia
Chloride
TOC
Alkalinity
Sulfate
TDS
LDCS 7, TOC
930 mg/L
9/25/2019
1/1/1999
1/1/2000
1/1/2001
1/1/2002
1/1/2003
1/1/2004
1/1/2005
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012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

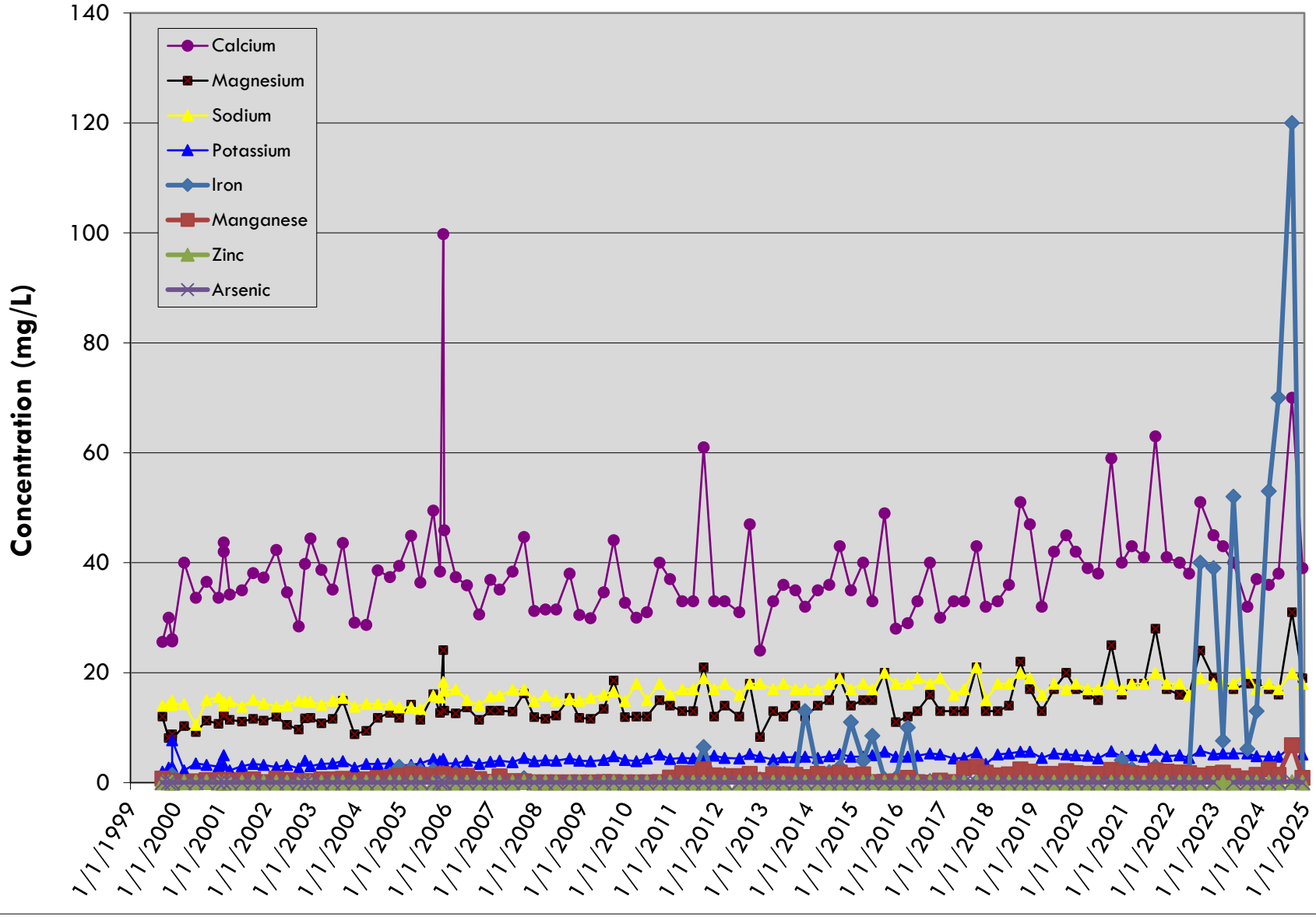


LDCS-9
LRI Landfill, Pierce County, Washington

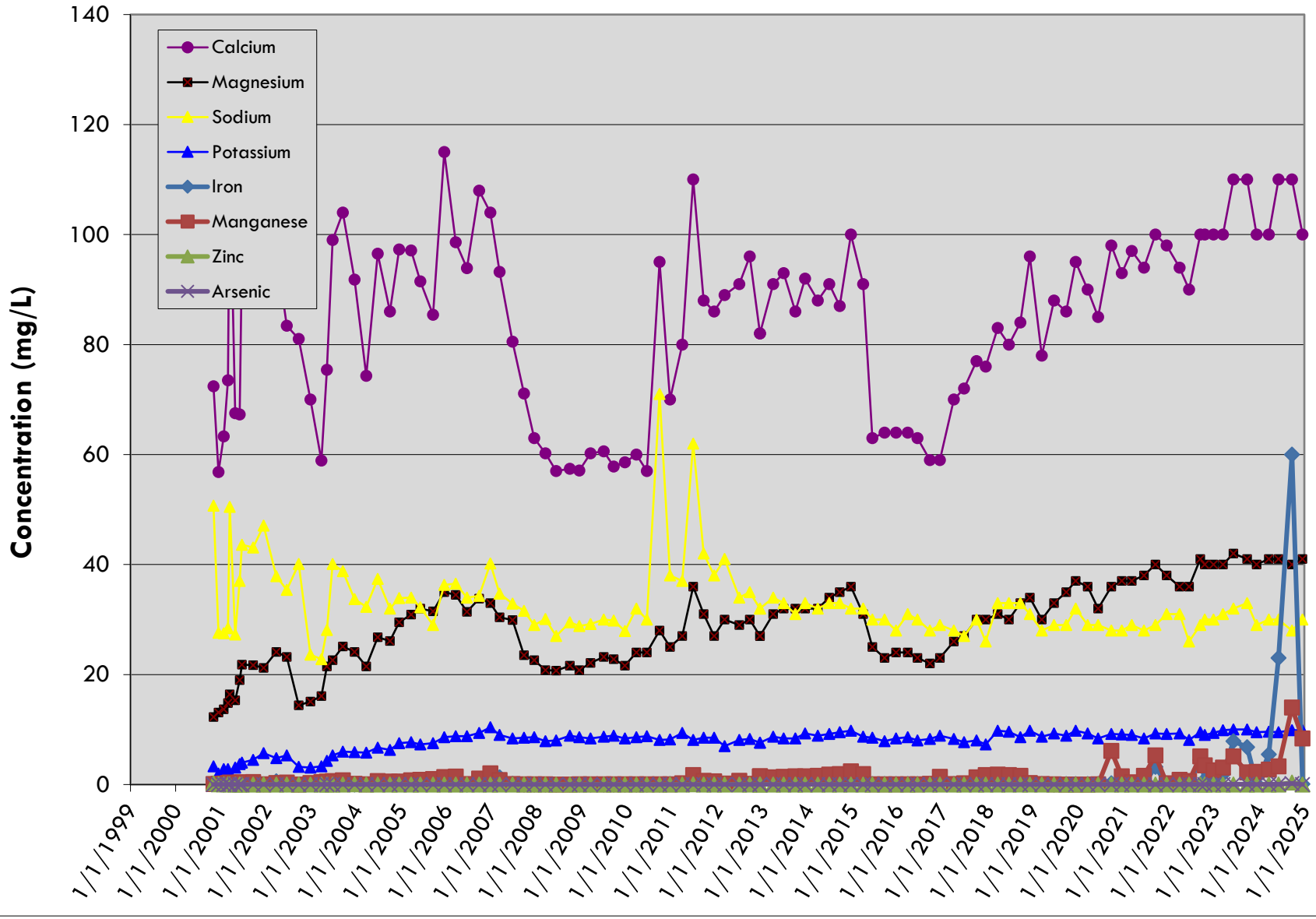


LDCS-1

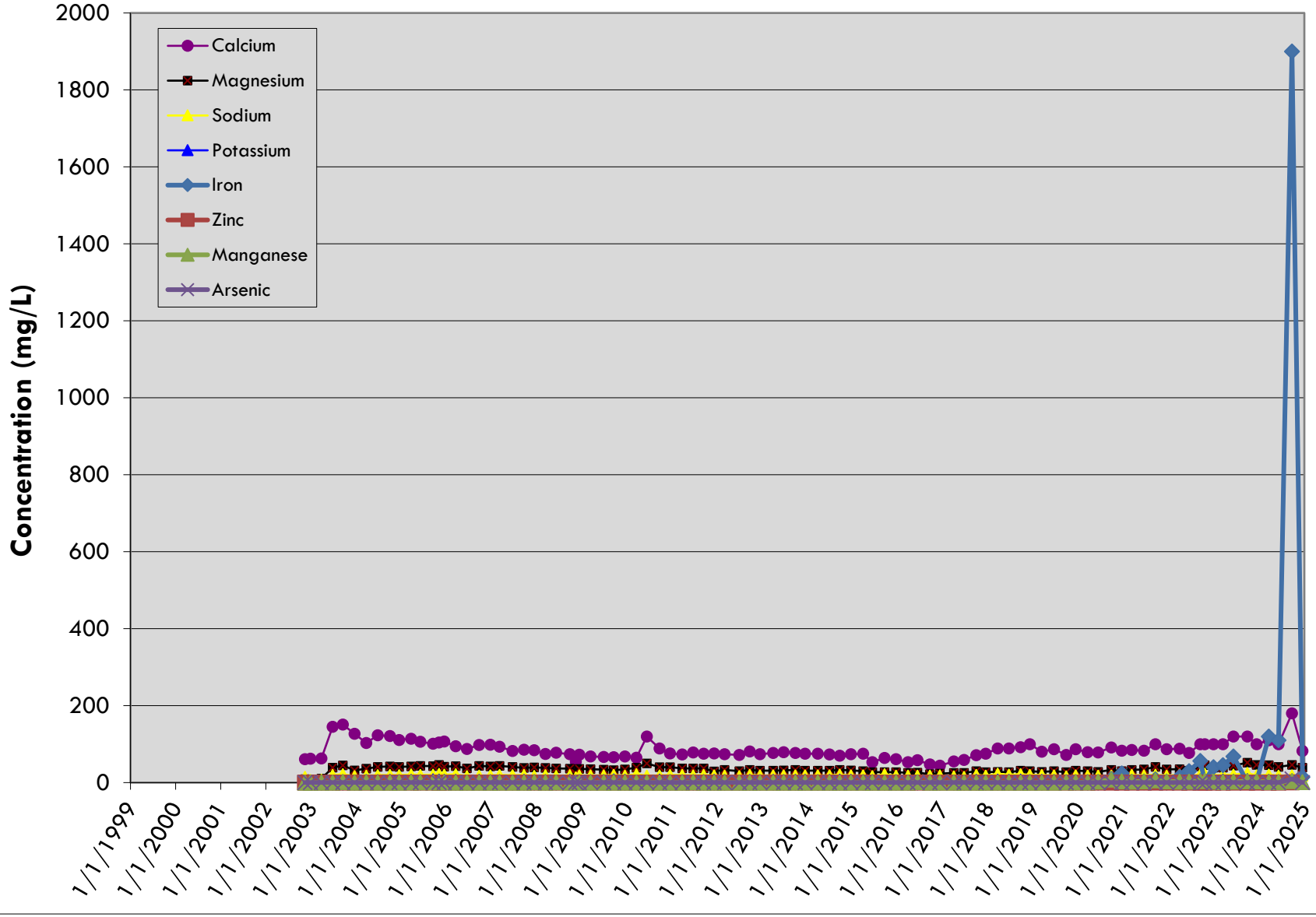
LRI Landfill, Pierce County, Washington



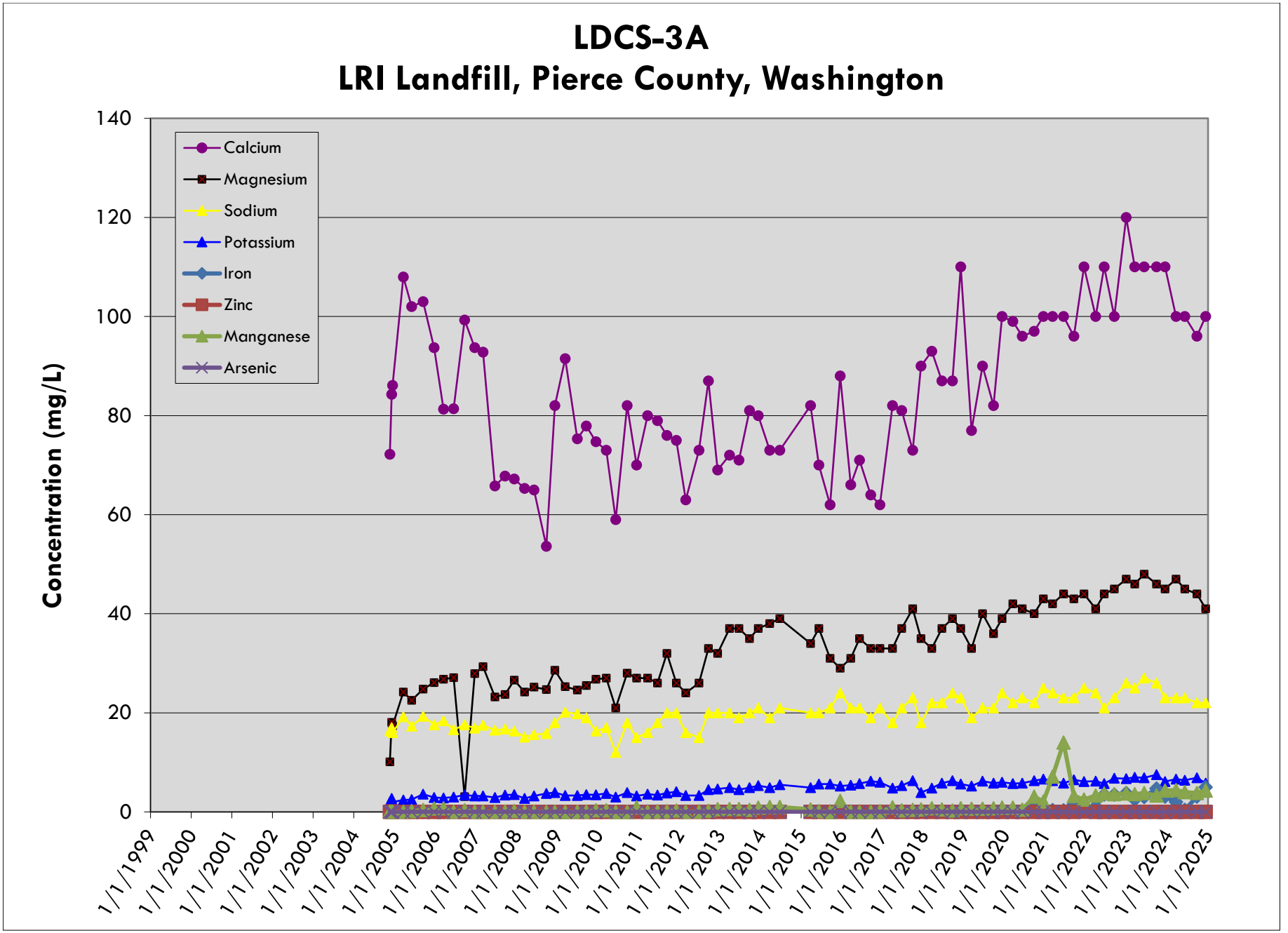
LDCS-2A
LRI Landfill, Pierce County, Washington



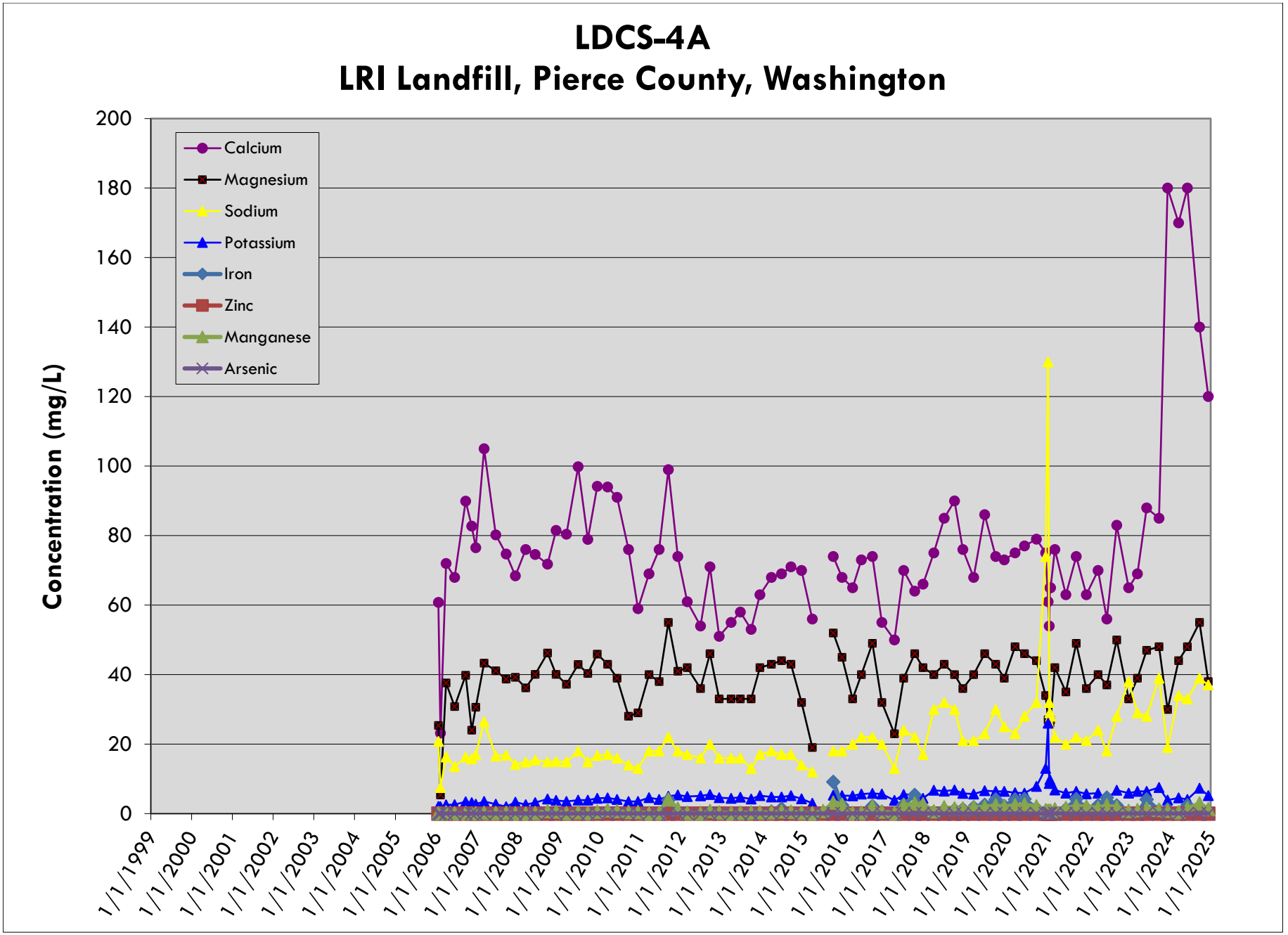
LDCS-2B
LRI Landfill, Pierce County, Washington



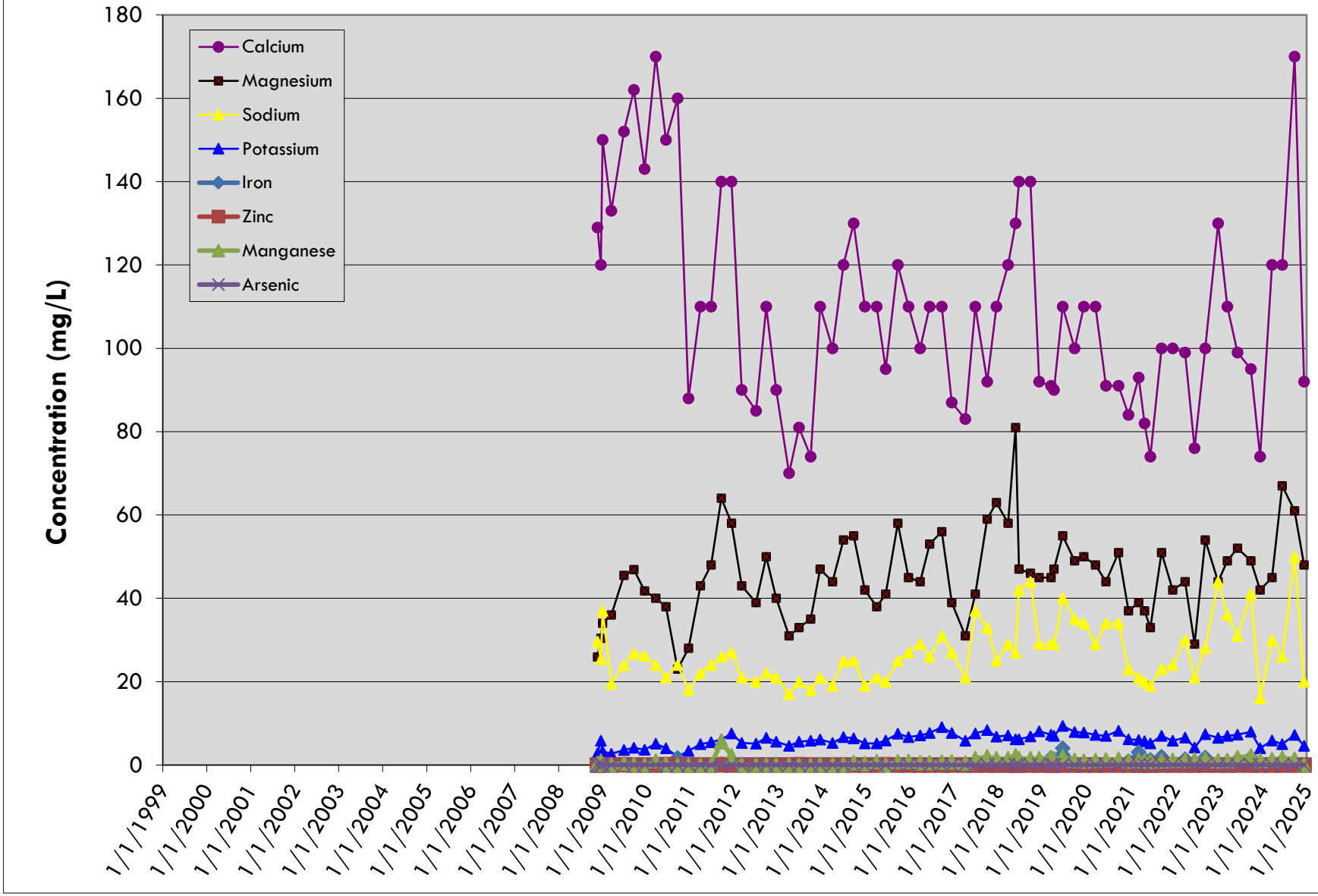
LDCS-3A
LRI Landfill, Pierce County, Washington



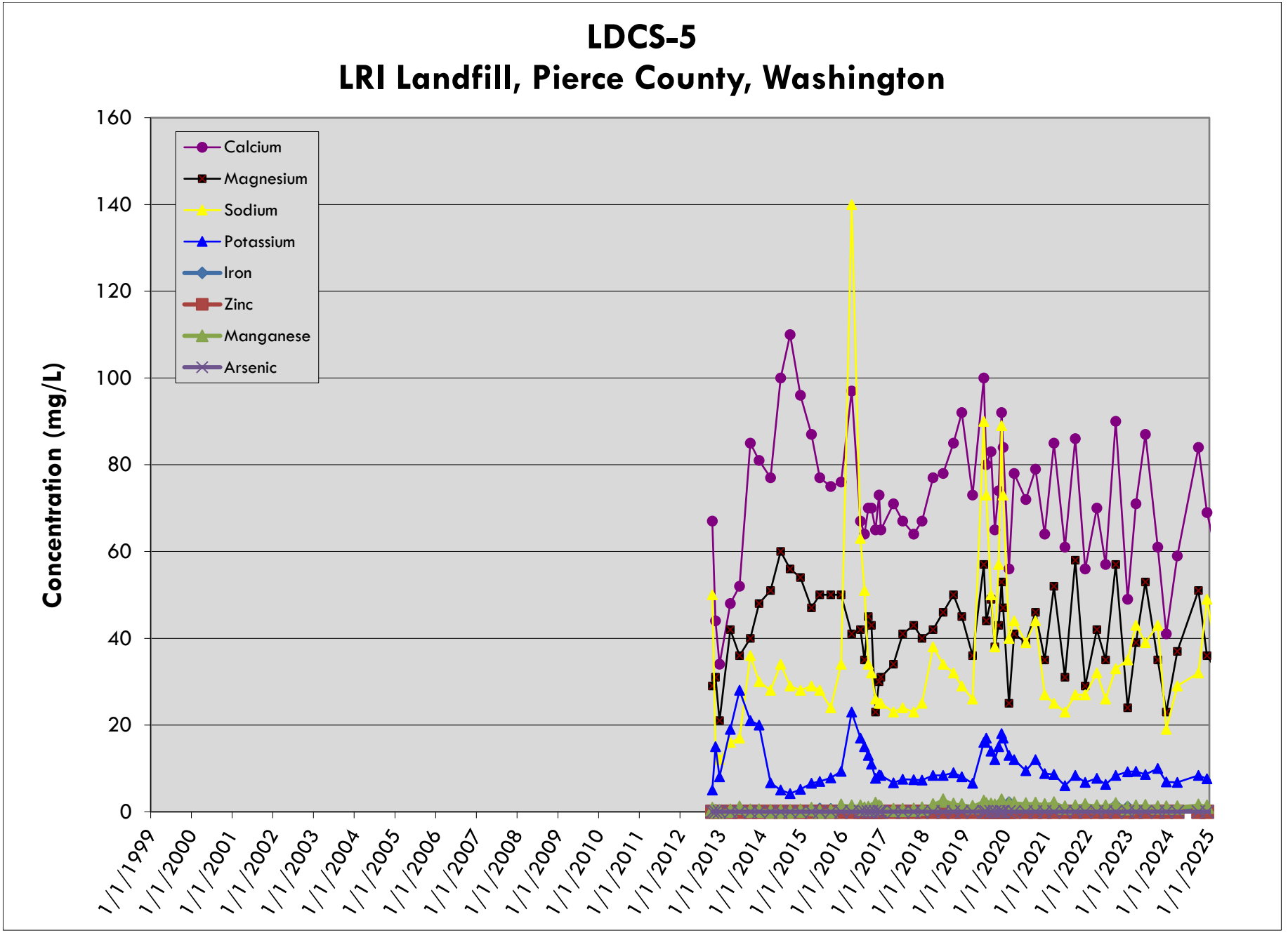
LDCS-4A
LRI Landfill, Pierce County, Washington



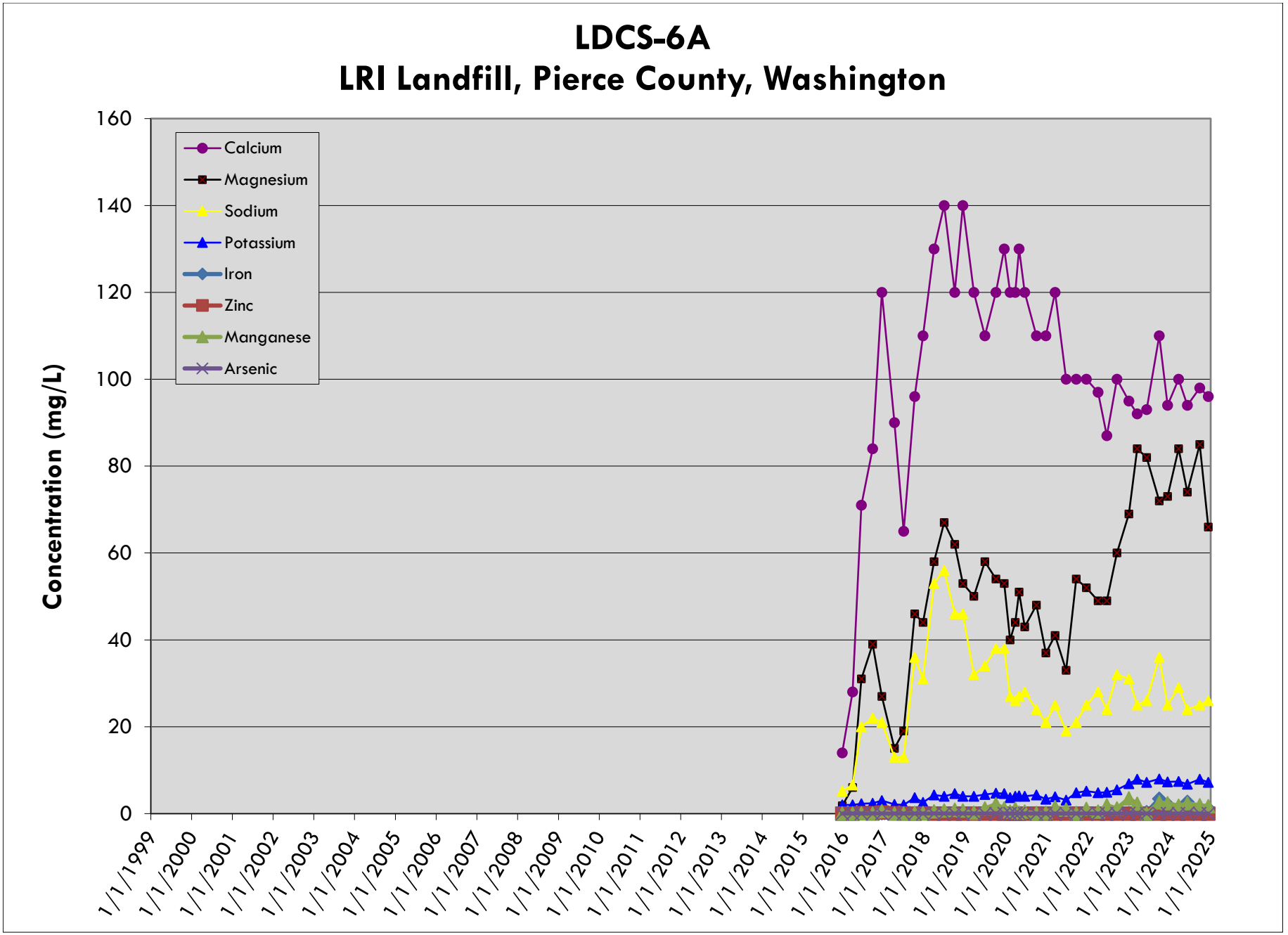
LDCS-4B
LRI Landfill, Pierce County, Washington



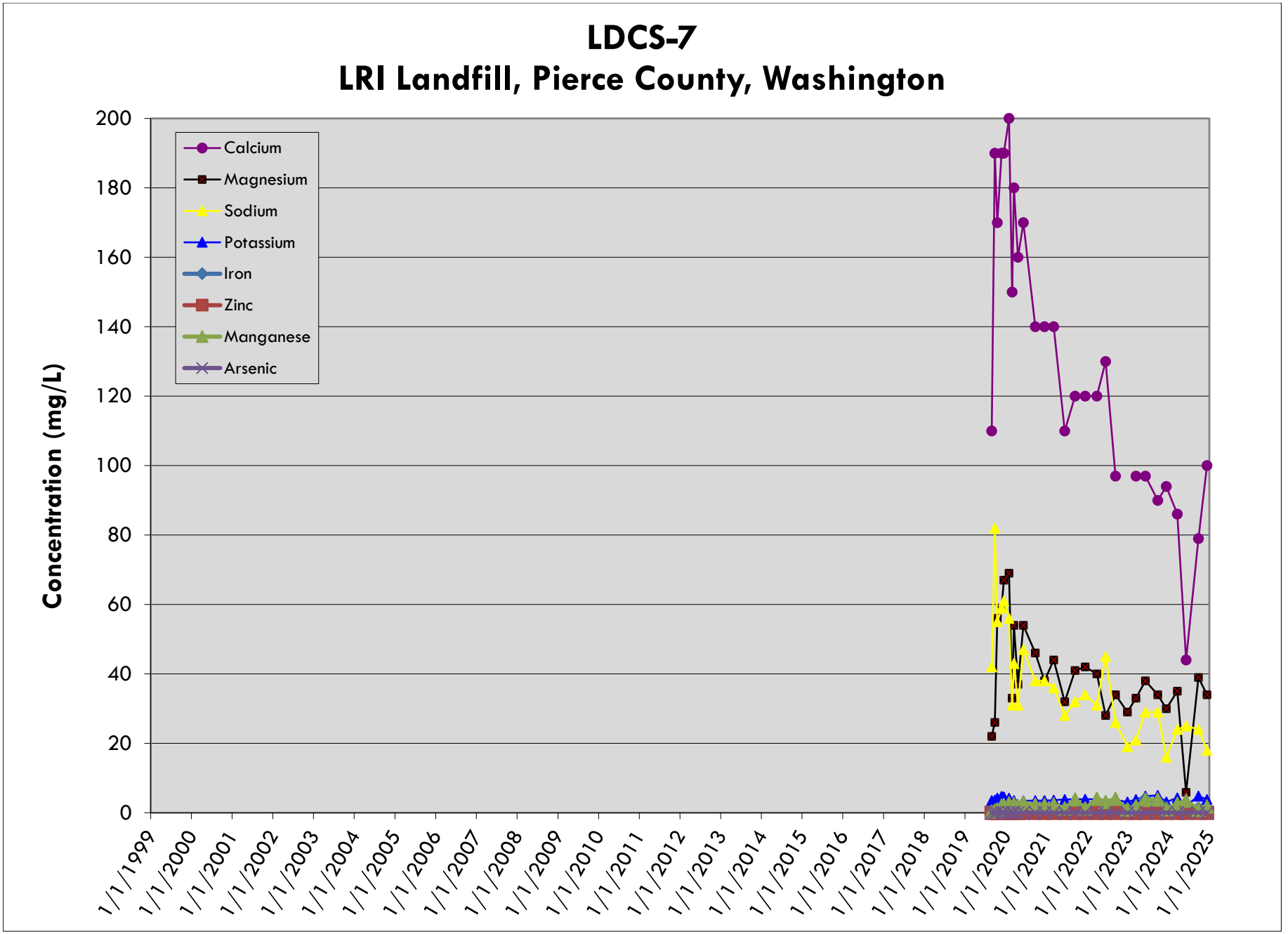
LDCS-5
LRI Landfill, Pierce County, Washington



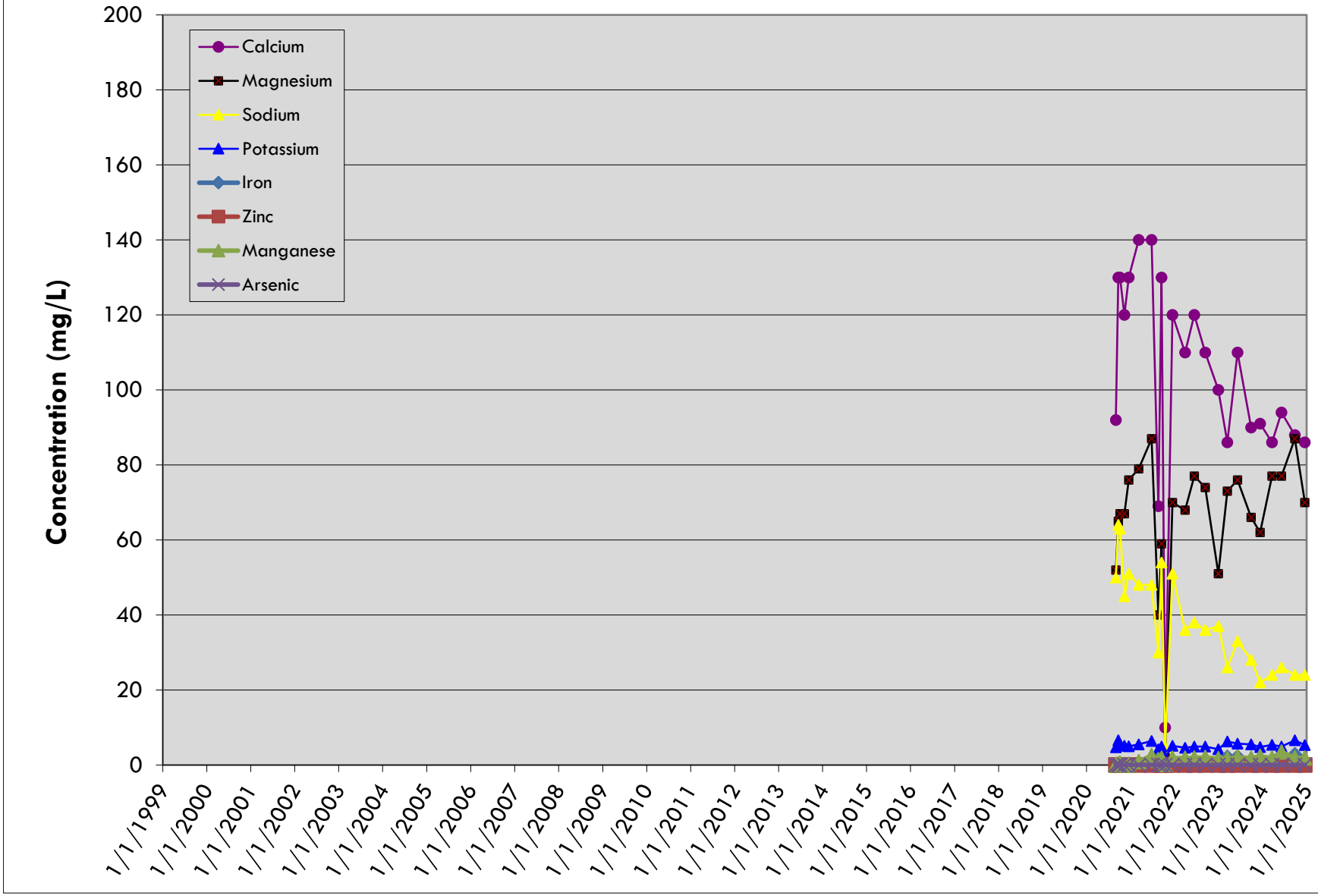
LDCS-6A
LRI Landfill, Pierce County, Washington



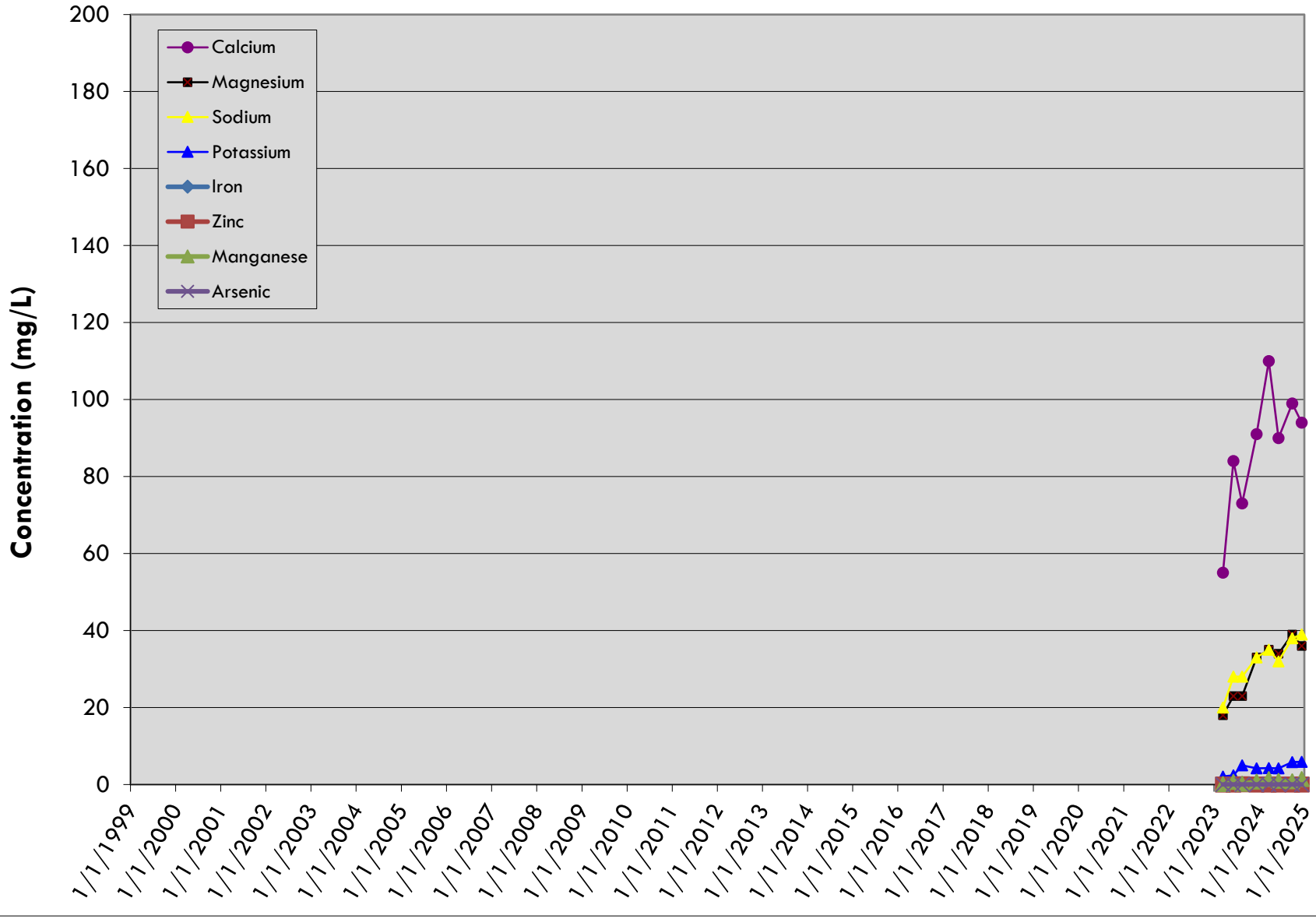
LDCS-7
LRI Landfill, Pierce County, Washington



LDCS-8
LRI Landfill, Pierce County, Washington



LDCS-9
LRI Landfill, Pierce County, Washington



Summary of Leachate Volume and Depth Data
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

Date	Cell 1 Leachate Volume (GPD)	Cell 1 Leachate Level (in.)	Cell 2A Leachate Volume (GPD)	Cell 2A Leachate Level (in.)	Cell 2B Leachate Volume (GPD)	Cell 2B Leachate Level (in.)	Cell 3A Leachate Volume (GPD)	Cell 3A Leachate Level (in.)	Cell 4A Leachate Volume (GPD)	Cell 4A Leachate Level (in.)	Cell 4B Leachate Volume (GPD)	Cell 4B Leachate Level (in.)	Cell 5 Leachate Volume (GPD)	Cell 5 Leachate Level (in.)	Cell 6 Leachate Volume (GPD)	Cell 6 Leachate Level (in.)	Cell 7 Leachate Volume (GPD)	Cell 7 Leachate Level (in.)	Cell 8A Leachate Volume (GPD)	Cell 8A Leachate Level (in.)	Cell 9A Leachate Volume (GPD)	Cell 9A Leachate Level (in.)
7/1/2024	1,691	11.2	0	9.4	3,975	9.2	9,830	14.4	7,066	9.1	5,821	10.3	3,108	10.7	0	20.9	0	14.8	15,419	16.0	0	26.4
7/2/2024	2,885	11.1	4,742	7.7	4,041	9.3	13,100	13.7	6,786	9.3	7,782	10.1	3,061	10.7	36,384	20.8	0	13.2	25,949	19.0	0	11.4
7/3/2024	1,673	11.3	0	7.8	4,088	9.3	10,007	12.8	6,622	9.3	6,682	10.2	3,104	10.6	35,943	16.6	0	15.4	18,280	15.8	0	8.9
7/4/2024	3,053	11.0	3,076	7.3	3,863	9.2	8,775	13.8	7,007	9.0	6,762	10.3	3,048	10.7	36,804	17.9	0	14.1	25,898	19.3	0	14.3
7/5/2024	3,404	11.0	0	7.6	3,885	9.3	7,379	15.9	8,056	9.1	6,172	10.2	3,233	10.6	39,037	15.0	0	10.7	18,348	15.8	0	14.8
7/6/2024	3,375	11.0	0	8.9	3,881	9.3	9,828	18.5	27,998	8.1	8,155	10.1	3,421	10.5	0	0.0	0	0.0	26,495	19.4	0	0.0
7/7/2024	3,298	11.1	0	9.7	3,750	9.3	10,388	18.7	20,924	8.0	7,240	10.1	3,568	10.5	0	0.0	0	0.0	18,135	15.8	0	0.0
7/8/2024	4,290	10.9	7,160	8.6	3,625	9.0	10,666	18.6	7,277	9.0	6,997	10.4	3,680	10.5	102,889	16.9	0	11.2	25,766	19.3	0	18.8
7/9/2024	1,883	11.1	0	6.9	3,743	9.3	12,752	19.0	7,111	9.0	6,013	10.3	3,827	10.3	34,465	21.4	0	15.9	15,082	16.0	0	15.5
7/10/2024	1,627	12.0	0	8.1	3,447	9.9	9,470	16.3	6,743	8.9	8,068	10.4	3,613	9.6	38,355	20.6	0	137.0	25,848	18.7	0	11.6
7/11/2024	3,334	11.1	0	9.3	3,707	9.3	4,620	14.5	6,967	9.0	7,668	10.2	3,402	10.4	46,344	16.4	0	14.0	13,478	16.2	0	7.3
7/12/2024	3,370	11.0	0	10.0	3,864	9.2	4,982	14.8	6,641	9.1	5,587	10.3	3,389	10.4	37,316	22.1	0	15.6	25,267	18.5	0	0.0
7/13/2024	3,258	11.2	0	11.0	3,627	9.3	5,809	16.0	6,612	9.1	6,655	10.3	3,498	10.3	0	0.0	0	0.0	12,925	16.3	0	0.0
7/14/2024	1,767	11.1	0	12.0	3,463	9.3	5,279	15.8	7,191	9.1	8,317	10.1	3,434	10.3	0	0.0	0	0.0	25,094	18.2	0	0.0
7/15/2024	3,352	11.0	0	13.0	3,798	9.3	3,794	14.9	6,657	9.1	7,114	10.2	3,360	10.4	100,380	22.5	0	13.2	11,307	16.4	0	16.6
7/16/2024	3,456	11.0	0	13.6	3,809	9.3	3,811	16.8	7,295	9.2	6,957	10.2	3,450	10.4	38,647	20.2	0	15.0	25,553	18.4	0	13.9
7/17/2024	1,713	11.1	0	14.4	3,712	9.3	3,854	16.7	7,012	9.0	7,209	10.2	3,454	10.3	31,906	22.8	0	13.6	14,585	16.2	0	14.2
7/18/2024	3,205	11.2	0	15.0	3,692	9.3	3,819	14.6	6,649	9.2	6,811	10.2	3,342	10.4	14,402	24.5	0	15.6	26,008	18.5	0	14.5
7/19/2024	1,598	11.1	0	15.6	3,704	9.3	3,695	13.7	20,401	8.9	6,652	10.2	3,235	10.5	15,881	22.3	0	13.7	13,714	16.3	0	14.0
7/20/2024	3,233	11.1	0	16.4	3,974	9.3	3,509	14.6	6,210	9.1	6,330	10.1	3,668	10.2	0	0.0	0	0.0	20,295	18.2	0	0.0
7/21/2024	1,648	11.2	0	17.0	4,189	9.3	3,635	15.3	7,708	9.0	6,495	10.2	3,910	10.1	0	0.0	0	0.0	13,022	16.5	0	0.0
7/22/2024	1,601	11.3	0	17.9	3,964	9.3	3,695	14.6	6,616	8.5	7,134	10.1	3,874	10.2	53,604	15.0	0	14.7	23,172	18.1	0	16.0
7/23/2024	3,265	11.0	0	18.9	4,010	9.3	3,634	14.2	6,932	9.1	6,182	10.1	4,784	9.8	8,813	15.0	0	10.6	13,314	16.4	0	8.7
7/24/2024	1,618	11.4	0	20.5	3,850	9.3	3,659	15.2	6,719	9.2	8,151	10.0	3,341	10.3	17,664	14.9	0	14.5	20,328	18.6	0	16.1
7/25/2024	3,259	11.0	0	21.7	3,996	9.3	3,643	13.7	7,035	9.1	5,485	9.9	3,073	10.4	13,743	15.0	0	9.4	14,036	16.4	0	16.8
7/26/2024	3,272	10.9	0	24.2	4,011	9.3	3,625	16.1	7,023	9.1	8,430	10.0	3,145	10.3	10,962	15.0	0	14.4	21,024	18.4	0	23.9
7/27/2024	3,406	10.9	0	25.4	3,923	9.3	3,825	18.5	6,995	9.1	7,132	10.0	3,343	10.2	0	0.0	0	0.0	13,931	16.5	0	0.0
7/28/2024	1,767	11.0	0	26.3	4,014	9.3	3,539	17.8	21,128	8.6	7,388	10.1	3,315	10.3	0	0.0	0	0.0	21,032	18.0	0	0.0
7/29/2024	2,174	11.1	22,104	15.3	4,232	9.2	3,852	17.2	6,988	8.6	7,103	9.8	3,219	10.3	42,762	15.0	0	13.1	15,481	16.3	0	29.6
7/30/2024	2,968	11.2	0	8.1	4,053	9.3	3,849	15.4	6,734	9.2	7,255	10.1	3,227	10.3	17,470	15.0	0	15.9	25,362	19.0	0	28.8
7/31/2024	1,621	11.2	0	9.5	3,860	9.3	3,874	14.8	20,606	8.0	6,608	10.0	3,153	10.3	12,859	15.0	0	15.7	14,235	16.5	0	22.5
8/1/2024	3,257	11.0	6,189	7.9	3,703	9.3	3,952	15.0	6,967	9.6	7,267	10.0	3,172	10.3	0	0.0	0	0.0	20,771	17.9	0	0.0
8/2/2024	1,513	11.5	0	7.6	3,742	9.3	3,852	14.2	13,827	8.3	6,837	10.1	3,095	10.3	0	15.0	0	14.4	11,900	16.7	0	15.5
8/3/2024	3,202	10.9	0	8.9	3,827	9.3	3,844	14.9	6,953	9.1	7,562	10.0	3,119	10.3	0	0.0	0	0.0	20,359	17.8	0	0.0
8/4/2024	3,527	11.0	0	10.0	3,810	9.3	3,926	16.6	6,909	9.2	7,584	10.1	3,266	10.2	0	0.0	0	0.0	12,178	16.7	0	0.0
8/5/2024	2,695	11.0	6,209	8.1	3,893	9.3	3,891	15.7	6,807	9.2	6,457	10.0	3,179	10.3	41,972	15.5	0	14.4	22,679	17.7	0	7.1
8/6/2024	1,535	11.1	2,121	6.6	3,891	9.3	3,780	13.6	12,270	9.2	7,412	9.8	3,069	10.3	0	22.0	0	14.0	9,887	16.8	0	18.4
8/7/2024	3,204	11.0	2,379	6.3	3,797	9.3	3,701	13.8	20,672	8.6	6,363	10.0	3,099	10.3	2,890	24.5	0	14.8	24,284	17.6	0	14.7
8/8/2024	3,373	11.0	0	7.2	3,832	9.3	3,776	16.2	6,616	9.0	7,115	10.1	3,202	10.3	30,694	17.1	0	12.3	11,480	16.6	0	9.2
8/9/2024	1,756	11.0	0	8.1	3,808	9.3	3,840	16.4	13,863	8.2	7,092	9.9	3,194	10.3	0	24.0	0	14.5	24,528	18.1	0	14.2
8/10/2024	1,563	11.6	0	9.1	3,797	9.3	3,833	15.3	6,920	9.1	6,613	9.9	3,190	10.3	0	0.0	0	0.0	13,286	16.5	0	0.0
8/11/2024	3,381	10.8	0	10.3	3,952	9.3	3,757	14.5	6,937	9.1	7,446	10.1	3,143	10.3	0	0.0	0	0.0	23,903	18.0	0	0.0
8/12/2024	3,315	11.1	3,905	11.2	3,826	9.3	3,743	15.1	13,811	9.1	6,856	9.9	3,192	10.2	49,539	19.5	0	15.6	11,552	16.7	0	17.3
8/13/2024	1,686	11.1	3,574	6.9	4,075	9.3	3,640	14.3	7,260	9.2	6,562	9.9	3,102	10.3	2,978	22.0	0	14.6	21,982	17.9	0	7.7
8/14/2024	2,174	11.3	0	8.0	3,834	17.4	3,556	12.0	12,065	8.1	6,321	10.0	2,738	10.6	0	0.0	0	13.4	11,543	16.8	0	0.0
8/15/2024	3,155	10.9	0	8.8	4,152	9.3	3,728	12.9	7,320	8.9	7,566	9.9	3,221	10.5	56,897	-1.8	0	14.8	24,410	17.8	0	13.5
8/16/2024	3,024	10.9	0	9.6	4,108	9.3	3,623	15.3	14,395	9.3	6,993	9.9	3,205	10.5	80	-2.2	0	9.8	12,876	16.6	0	5.2
8/17/2024	2,958	10.8	8,155	6.4	4,149	9.2	3,702	17.8	6,391	9.3	7,394	9.8	3,352	10.4	0	0.0	0	0.0	27,769	18.3	0	0.0
8/18/2024	1,784	11.2	0	5.9	4,103	9.2	3,836	15.4	7,657	9.0	6,762	9.9	3,283	10.4	0	0.0	0	0.0	22,018	16.2	0	0.0
8/19/2024	1,695	11.0	6,791	4.5	2,447	20.4	3,890	13.7	13,395	8.2	7,030	9.9	3,148	10.5	12,413	10.2	0	15.0	24,369	17.8	0	33.9
8/20/2024	3,165	11.3	0	3.9	4,477	49.2	3,834	13.2	9,135	9.7	7,319	9.7	3,190	10.4	159	14.3	0	9.7	24,818	15.8	0	16.3
8/21/2024	1,703	11.2	0	6.0	1,702	33.2	4,150	14.1	11,021	8.3	6,889	9.8	3,046	10.4	0	18.5	0	15.3	24,944	18.1	0	3.0
8/22/2024	3,340	10.9	0	6.1	6,275	34.0	4,014	16.5	6,902	9.0	6,300	9.6	3,288	10.4	0	21.5	0	13.1	14,174	16.5	0	4.2
8/23/2024	1,668	11.3	914	6.5	4,859	9.3	4,125	17.5	7,494	8.9	7,419	9.6	3,475	10.3	56,256	17.0	0	15.7	33,458	20.6	0	21.9
8/24/2024	1,509	11.0	0	7.0	4,500	9.2	4,300	13.8	18,515	8.2	6,924	9.6	3,318	10.4	20,713	13.2	0	14.5	35,003	15.2	0	16.5
8/25/2024	1,546	11.5	0	7.9	4,098	9.2	4,101	10.7	6,892	9.6	6,635	9.9	3,037	10.5	0	0.0	0	0.0	23,574	17.5	0	0.0
8/26/2024	3,017	10.9	5,995	6.3	4,030	9.3	4,022	11.8	6,686	9.1	6,974	9.7	3,081	10.5	3	19.1	0	14.1	11,195	16.6	0	27.4
8/27/2024	1,675	11.4	0	5.7	4,010	9.3	3,985	11.9	14,047	8.6	6,629	9.6	3,082	10.5	0	0.0	0	0.0	26,120	18.6	0	0.0
8/28/2024	2,665	11.1	7,634	4.8	3,671	9.3	4,218	12.0	20,055	8.6	6,988	9.6	2,970	10.5	61,496	12.3	0	15.0	13,414	16.5	0	15.0
8/29/2024	3,101	11.1	1,704	4.4	3,768	9.3	3,644	14.0	7,258	9.0	6,655	9.7	3,028	10.4	0	14.5	0	15.8	23,588	18.0	0	5.1
8/30/2024	1,594	11.0	1,311	2.5	3,719	9.3	3,795	15.0	7,145	8.9	6,451	10.0	3,187	10.4	0	17.4	0	13.5	13,874	16.5	0	13.6
8/31/2024	3,193	11.1	0	2.8	1,674	29.0	3,936	16.0	6,670	8.9	7,879	9.8	3,228	10.3	0	0.0	0	0.0	24,799	17.8	0	0.0

Summary of Leachate Volume and Depth Data
Fourth Quarter 2024
LRI Landfill, Pierce County, Washington

Date	Cell 1 Leachate Volume (GPD)	Cell 1 Leachate Level (in.)	Cell 2A Leachate Volume (GPD)	Cell 2A Leachate Level (in.)	Cell 2B Leachate Volume (GPD)	Cell 2B Leachate Level (in.)	Cell 3A Leachate Volume (GPD)	Cell 3A Leachate Level (in.)	Cell 4A Leachate Volume (GPD)	Cell 4A Leachate Level (in.)	Cell 4B Leachate Volume (GPD)	Cell 4B Leachate Level (in.)	Cell 5 Leachate Volume (GPD)	Cell 5 Leachate Level (in.)	Cell 6 Leachate Volume (GPD)	Cell 6 Leachate Level (in.)	Cell 7 Leachate Volume (GPD)	Cell 7 Leachate Level (in.)	Cell 8A Leachate Volume (GPD)	Cell 8A Leachate Level (in.)	Cell 9A Leachate Volume (GPD)	Cell 9A Leachate Level (in.)
9/1/2024	1,565	11.3	0	3.8	0	80.6	4,023	17.5	7,165	8.6	7,606	9.8	3,323	10.3	0	0.0	0	0.0	12,311	16.6	0	0.0
9/2/2024	1,490	11.4	0	5.0	7,259	59.1	3,842	16.0	6,919	9.1	6,927	9.5	3,254	10.3	62,137	13.3	0	14.7	23,656	17.8	0	6.7
9/3/2024	3,139	11.0	0	6.1	4,261	9.4	3,834	13.3	18,154	9.0	7,108	9.6	3,061	10.4	0	15.4	0	15.7	10,920	16.7	0	22.9
9/4/2024	2,822	11.0	7,578	3.7	4,008	9.4	4,790	13.4	13,716	8.8	6,517	9.7	2,912	10.5	47	17.9	0	9.2	24,057	17.7	0	26.2
9/5/2024	2,925	10.8	2	2.8	3,718	9.4	3,555	14.3	6,695	9.2	6,506	9.8	3,120	10.3	0	20.8	0	14.6	15,683	16.6	0	14.4
9/6/2024	1,680	11.3	120	3.5	3,679	9.2	3,417	15.9	13,818	8.4	6,693	9.9	3,164	10.4	46,933	13.1	0	15.9	25,424	18.4	0	19.8
9/7/2024	3,495	10.9	13	4.7	3,800	9.2	3,769	17.4	12,769	8.7	7,592	9.7	3,246	10.3	0	0.0	0	0.0	14,782	16.3	0	0.0
9/8/2024	1,620	11.2	2	5.7	3,877	9.2	3,898	17.0	12,502	9.0	7,437	9.5	3,270	10.3	0	0.0	0	0.0	24,087	18.2	0	0.0
9/9/2024	3,203	11.0	1	6.8	3,844	9.3	3,815	15.3	7,448	8.7	7,064	9.5	3,138	10.3	8,184	21.0	0	13.6	12,353	16.5	0	3.6
9/10/2024	3,182	11.2	1	7.7	3,852	9.3	3,751	16.2	13,723	9.1	7,081	9.6	3,241	10.3	48,237	13.5	0	13.7	23,756	18.2	0	3.9
9/11/2024	1,678	10.9	1	8.0	3,906	9.3	3,852	18.3	14,125	8.4	7,062	9.5	3,401	10.2	0	16.4	0	11.9	68,337	21.4	0	32.2
9/12/2024	1,695	11.2	1	8.4	3,923	9.3	4,034	14.1	7,316	9.1	6,537	9.4	3,191	10.3	0	21.2	0	15.3	30,733	20.0	0	28.0
9/13/2024	3,689	11.0	5,738	6.6	3,993	9.3	4,670	12.2	13,158	8.5	6,808	9.5	3,152	10.3	0	11.8	0	1,403.0	13,611	16.5	0	13.1
9/14/2024	1,479	11.2	0	6.5	4,037	9.3	3,804	13.6	10,831	9.6	7,444	9.4	3,249	10.3	0	0.0	0	0.0	30,176	20.0	0	0.0
9/15/2024	3,377	10.9	2,463	8.3	4,069	9.3	4,013	13.2	8,221	9.0	6,430	9.5	3,105	10.3	0	0.0	0	0.0	17,964	16.3	0	0.0
9/16/2024	2,680	11.0	8,429	3.9	3,912	9.3	4,111	13.7	13,324	8.0	7,536	9.5	3,258	10.2	42,552	12.5	0	14.7	24,144	17.7	0	29.6
9/17/2024	4,153	10.0	1,727	3.4	4,160	9.4	3,970	14.2	14,205	7.8	6,625	9.4	3,163	10.4	0	16.8	0	10.9	12,426	16.6	0	3.9
9/18/2024	1,639	11.2	8	1.6	3,996	9.3	3,998	13.4	8,164	9.6	6,926	9.4	3,284	10.2	0	20.2	0	13.8	23,998	17.5	0	9.4
9/19/2024	3,150	11.0	3,021	2.6	3,939	9.2	3,821	14.1	11,113	8.9	6,854	9.4	3,064	10.3	40,057	11.8	0	11.2	10,778	16.7	0	13.0
9/20/2024	0	11.8	6	1.0	1,708	9.6	1,610	13.3	2,368	8.2	2,763	9.2	1,435	11.2	14,312	11.8	0	15.9	10,435	17.3	0	4.3
9/21/2024	3,706	11.2	2,622	1.4	5,283	12.6	3,326	12.4	9,161	8.5	9,664	9.5	4,696	10.5	0	0.0	0	0.0	17,002	17.0	0	0.0
9/22/2024	1,679	11.3	1,672	3.2	4,154	9.3	11,808	9.9	6,921	9.1	7,631	9.4	3,200	10.4	0	0.0	0	0.0	23,581	17.3	0	0.0
9/23/2024	3,528	10.9	14	1.6	4,074	9.3	5,720	12.8	19,077	8.9	7,121	9.4	3,139	10.5	33,404	16.0	0	15.2	9,988	16.7	0	7.6
9/24/2024	5,406	10.8	8	3.4	4,177	9.3	4,323	18.6	13,762	8.1	7,012	9.5	6,146	13.3	14,462	14.3	0	10.9	24,326	17.4	0	8.3
9/25/2024	1,757	11.1	27	4.1	4,330	9.2	4,611	19.3	7,682	9.1	6,655	9.5	11,875	12.4	15,115	14.3	0	0.0	25,112	16.3	0	0.0
9/26/2024	1,636	11.1	5,582	4.4	4,266	9.3	5,765	14.7	14,043	8.4	8,161	9.4	10,278	10.4	17,381	13.9	0	15.2	25,325	20.1	0	13.4
9/27/2024	3,240	11.2	733	2.0	4,122	9.2	5,365	12.5	7,143	9.1	6,894	9.4	7,808	10.4	25,748	10.6	0	13.0	11,966	15.7	0	7.9
9/28/2024	1,707	11.2	1,870	5.7	4,276	9.3	4,806	15.2	13,585	8.9	6,553	9.4	3,245	10.4	0	0.0	0	0.0	23,945	18.8	0	0.0
9/29/2024	1,597	11.4	2,365	4.5	4,086	9.2	4,535	11.3	13,608	8.7	6,213	9.3	3,116	10.5	0	0.0	0	0.0	11,606	16.6	0	0.0
9/30/2024	3,032	10.9	1,774	7.9	4,155	9.2	3,583	10.7	14,065	8.8	6,240	9.4	2,934	10.5	22,624	15.8	0	15.2	23,457	17.7	0	10.2
10/1/2024	3,361	10.9	502	6.1	3,727	9.1	4,105	14.0	7,346	9.5	5,455	9.3	0	11.2	0	15.1	0	15.3	10,344	16.8	0	5.5
10/2/2024	5,174	11.3	2,695	2.4	7,485	8.9	4,626	13.9	23,500	9.4	12,073	9.3	0	0.0	12,488	15.7	0	15.4	17,053	20.4	0	7.8
10/3/2024	5,894	10.8	1,425	10.2	4,481	9.3	13,700	11.7	7,236	8.5	6,574	9.4	0	0.0	23,484	15.3	13,122	13.5	20,231	19.0	0	11.6
10/4/2024	0	11.4	1,489	7.7	4,398	9.2	8,093	16.6	19,962	8.4	5,963	9.4	0	0.0	15,232	15.4	14,644	13.0	36,513	19.4	0	0.0
10/5/2024	2,757	10.9	1,429	7.5	4,301	9.2	7,252	12.2	7,377	8.6	7,144	9.5	0	0.0	0	0.0	0	0.0	17,892	15.0	0	0.0
10/6/2024	3,262	10.8	1,409	7.4	4,229	9.3	8,041	13.1	13,906	8.8	6,837	9.4	0	0.0	0	0.0	0	0.0	24,356	20.1	0	0.0
10/7/2024	3,338	10.9	565	6.3	4,145	9.2	5,979	16.2	13,682	9.2	6,769	9.5	0	0.0	0	15.8	0	0.0	14,262	15.7	0	6.2
10/8/2024	3,584	10.9	1,267	2.3	4,199	11.8	6,284	16.7	7,473	8.9	6,327	9.3	0	0.0	20,040	15.6	0	14.9	22,567	19.6	0	8.7
10/9/2024	1,647	11.0	2,353	2.8	3,853	9.2	7,388	14.5	6,671	8.9	6,430	9.4	0	0.0	12,544	10.4	6,394	15.0	14,802	15.9	0	10.2
10/10/2024	1,855	10.9	1,287	7.8	3,807	11.8	8,676	13.2	16,199	8.6	6,719	9.4	0	78.5	10,916	15.7	8,738	15.0	19,703	18.9	0	0.0
10/11/2024	3,234	10.8	1,478	9.4	4,135	9.2	7,811	16.3	14,225	8.9	7,122	9.5	5,370	72.2	15,288	14.9	13,118	9.2	13,006	16.4	0	0.0
10/12/2024	1,642	11.4	541	7.9	4,050	9.2	8,088	15.9	7,379	8.9	6,862	9.4	0	0.0	0	0.0	0	0.0	23,615	18.3	0	0.0
10/13/2024	3,259	10.8	1,445	5.4	3,958	9.3	7,643	15.0	18,781	8.4	6,892	9.4	0	0.0	0	0.0	0	0.0	11,513	16.6	0	7.3
10/14/2024	3,048	10.8	1,074	4.6	3,958	9.2	6,793	15.7	13,735	8.2	6,465	9.4	0	9.5	0	15.4	0	10.5	23,798	18.2	0	13.2
10/15/2024	3,638	11.0	5	2.2	4,027	9.2	6,785	16.3	12,777	9.2	6,792	9.4	3,153	9.7	10,548	15.7	9,148	13.1	27,862	15.4	0	6.3
10/16/2024	2,958	10.9	3,825	5.7	4,162	9.2	7,564	15.8	15,417	7.9	6,628	9.5	5,030	9.8	28,564	13.8	13,208	14.0	36,792	20.7	0	15.9
10/17/2024	1,442	10.5	1,143	11.1	4,148	9.2	6,168	12.7	10,532	9.1	6,405	9.4	3,221	10.0	12,952	14.2	3,720	15.9	31,547	15.0	0	0.0
10/18/2024	1,679	11.2	1,201	11.4	4,014	9.2	8,226	10.6	11,707	8.1	6,860	9.4	0	0.0	11,636	15.5	0	0.0	24,543	18.6	0	0.0
10/19/2024	3,247	10.8	3	1.2	3,913	9.2	6,907	12.1	16,031	8.5	7,097	9.4	0	0.0	0	0.0	0	0.0	20,389	15.9	0	0.0
10/20/2024	3,380	10.9	2,455	2.9	3,957	9.2	5,420	15.9	16,037	8.7	6,283	9.4	0	0.0	0	0.0	0	0.0	25,668	19.1	0	17.7
10/21/2024	1,738	11.0	1,971	7.1	4,056	9.2	6,005	14.7	9,090	8.7	6,295	9.4	0	8.3	0	15.6	0	14.1	23,847	15.7	0	8.9
10/22/2024	1,580	11.3	1,364	11.5	1,606	28.8	6,327	11.5	11,144	8.4	6,506	9.5	580	23.8	14,856	15.2	6,362	15.4	25,033	18.8	0	3.1
10/23/2024	3,100	10.9	1,309	14.5	5,592	29.8	6,903	11.8	6,345	8.9	5,997	9.4	200	18.0	15,176	10.3	10,392	10.3	13,942	16.5	0	5.1
10/24/2024	3,195	10.9	1,448	13.9	4,195	9.3	6,711	12.7	12,712	8.5	6,635	9.5	0	8.1	12,352	14.9	8,840	14.3	24,284	18.3	0	0.0
10/25/2024	3,398	10.7	850	10.3	3,199	9.2	5,175	18.5	6,774	9.6	5,221	9.3	3,295	8.1	0	15.3	7,220	14.4	11,097	16.8	0	0.0
10/26/2024	3,547	11.0	156	1.1	3,638	9.2	5,883	18.3	6,714	9.8	7,143	9.2	0	0.0	0	0.0	0	0.0	11,097	31.2	0	0.0
10/27/2024	1,535	11.2	2,732	6.5	4,054	9.2	9,286	14.5	7,212	9.0	7,049	9.5	0	0.0	0	0.0	0	0.0	60,747	56.9	0	42.2
10/28/2024	2,976	11.0	1,359	8.7	3,780	13.4	12,595	11.2	10,621	8.4	7,303	9.8	0	8.4	0	10.3	0	14.6	81,529	49.4	0	0.0
10/29/2024	1,498	11.0	1,467	8.2	4,015	9.2	12,059	10.6	13,555	9.1	7,438	9.5	0	0.0	0	0.0	0	0.0	69,489	24.4	0	21.4
10/30/2024	3,520	10.8	1,222	14.5	4,081	9.3	11,167	14.8	9,711	8.6	6,763	9.5	0	8.5	0	13.0	0	14.9	22,692	20.0	0	9.0
10/31/2024	3,483	10.9	1,479	12.8	4,149	9.2	11,025	16.0	6,553	9.2	7,263	9.5	4,297	8.3	16,960	14.9	13,928	9.4	26,925	18.8	0	20.0

Summary of Leachate Volume and Depth Data
Fourth Quarter 2024
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.)
11/1/2024	3,190	11.1	1,449	9.9	4,218	9.2	11,782	18.5	14,157	8.5	7,371	9.5	3,212	8.3	23,476	13.2	8,326	15.9	95,448	24.7	0	0.0
11/2/2024	1,604	11.0	867	8.9	4,045	9.2	13,242	13.7	6,810	9.0	7,740	9.5	0	0.0	0	0.0	0	0.0	28,880	15.3	0	0.0
11/3/2024	1,507	11.2	1,878	8.6	4,395	9.2	13,463	9.7	13,518	8.8	7,024	9.5	0	0.0	0	0.0	0	0.0	34,179	20.8	0	40.5
11/4/2024	1,783	11.0	1,276	9.0	4,092	9.2	11,515	11.1	6,937	9.0	7,281	9.4	0	9.0	0	16.0	0	9.8	33,430	15.2	0	30.1
11/5/2024	3,463	10.6	1,506	12.7	3,725	9.2	11,353	8.6	6,367	8.7	5,490	9.4	3,574	8.5	21,072	14.1	0	15.7	24,889	18.8	0	18.5
11/6/2024	3,039	11.2	1,243	14.0	4,145	9.2	9,377	9.6	6,560	9.1	6,251	9.4	3,186	8.3	9,848	14.6	0	14.4	15,934	16.3	0	0.0
11/7/2024	1,641	11.1	1,601	12.7	4,139	9.2	7,845	12.8	6,708	9.0	6,203	9.3	0	0.0	0	0.0	0	0.0	24,640	18.9	0	0.0
11/8/2024	3,305	10.9	1,289	10.6	4,159	9.2	7,936	15.7	6,416	9.2	6,244	9.4	0	0.0	0	0.0	0	0.0	16,701	16.3	0	0.0
11/9/2024	3,265	10.9	1,285	9.2	4,030	9.2	7,691	17.7	14,121	9.4	6,502	9.4	0	0.0	0	0.0	0	0.0	17,520	18.9	0	0.0
11/10/2024	3,706	11.0	738	5.6	4,076	9.3	8,080	19.0	7,068	8.5	7,278	9.5	0	0.0	0	0.0	0	0.0	0	0.0	0	37.8
11/11/2024	3,711	10.8	2,180	8.2	4,225	9.2	8,794	12.0	7,548	8.7	6,376	9.5	0	10.9	0	11.9	0	15.9	73,190	45.0	0	42.4
11/12/2024	1,622	11.1	1,611	9.4	4,334	9.2	11,555	8.7	11,590	9.2	7,728	9.5	3,339	11.0	20,644	13.6	14,382	15.5	67,166	23.9	0	18.7
11/13/2024	3,837	10.8	1,191	6.9	4,242	9.2	11,722	12.3	13,339	7.8	7,427	9.4	3,931	15.0	16,540	13.9	12,948	15.0	40,526	20.5	0	21.4
11/14/2024	566	11.4	1,332	9.6	4,199	9.2	12,807	8.3	11,782	9.5	7,708	9.6	0	14.8	24,076	14.3	0	0.0	48,628	14.2	0	26.8
11/15/2024	2,434	10.8	1,450	12.9	3,997	9.2	6,610	9.0	13,961	8.5	7,081	9.5	0	9.2	17,464	13.0	0	15.9	25,041	19.7	0	0.0
11/16/2024	3,759	10.8	1,188	17.1	4,224	9.3	9,969	12.3	9,234	8.1	7,105	9.5	0	0.0	0	0.0	0	0.0	22,965	15.8	0	0.0
11/17/2024	2,671	11.2	1,732	13.0	4,236	9.2	12,291	11.1	6,721	8.9	7,215	9.5	0	0.0	0	0.0	0	0.0	56,743	20.7	0	47.2
11/18/2024	2,503	10.8	1,490	18.1	4,112	9.2	9,184	9.6	7,124	8.8	7,610	9.5	0	10.0	0	18.2	0	16.0	23,937	15.7	0	39.8
11/19/2024	4,031	10.8	1,043	17.3	3,589	9.3	9,314	12.7	6,637	9.2	6,553	9.4	4,715	12.9	27,292	12.4	16,732	14.0	20,967	19.1	0	21.6
11/20/2024	4,031	11.0	1,043	17.0	3,589	10.0	9,314	17.0	6,637	11.0	6,553	9.0	5,921	9.1	24,528	17.1	13,996	13.8	20,967	19.6	0	25.6
11/21/2024	4,031	10.8	1,201	14.1	4,175	9.6	34,191	14.2	6,939	9.2	14,600	9.3	2,130	12.7	11,788	11.7	13,710	13.0	23,566	19.4	0	11.9
11/22/2024	3,382	11.0	1,464	11.4	4,344	9.3	10,163	14.8	14,008	8.9	7,042	9.5	3,772	14.2	27,936	15.2	14,006	12.8	36,801	14.9	0	0.0
11/23/2024	1,770	10.9	1,690	13.0	4,324	9.2	10,384	13.1	8,493	9.4	6,796	9.5	0	0.0	0	0.0	0	0.0	25,232	19.5	0	0.0
11/24/2024	1,487	11.2	1,324	12.7	4,300	9.2	9,367	12.3	7,379	9.0	6,612	9.5	0	0.0	0	0.0	0	0.0	24,218	15.8	0	12.1
11/25/2024	3,064	11.1	1,061	12.0	4,157	9.2	9,016	11.1	11,823	7.9	6,564	9.5	0	15.0	0	12.9	0	13.4	45,519	21.3	0	12.1
11/26/2024	0	11.3	1,403	13.8	3,984	9.2	9,285	8.1	6,758	9.1	6,146	9.4	3,788	14.9	21,040	20.2	13,484	13.7	19,668	16.1	0	11.9
11/27/2024	3,087	11.0	1,418	14.5	3,971	9.2	6,514	7.1	9,165	9.6	5,725	9.5	2,957	14.9	19,040	14.8	7,570	15.1	24,279	19.3	0	0.0
11/28/2024	1,779	10.8	1,523	21.8	4,116	9.3	7,843	8.5	9,380	8.9	5,557	9.4	0	0.0	0	0.0	0	0.0	15,755	16.4	0	12.1
11/29/2024	3,079	10.9	1,443	20.4	4,118	9.2	7,056	9.0	4,326	9.2	5,668	9.4	0	14.6	0	14.5	0	15.0	24,446	18.8	0	0.0
11/30/2024	1,486	10.9	1,351	19.9	3,990	9.2	6,624	9.8	10,318	8.1	5,962	9.4	0	0.0	0	0.0	0	0.0	14,665	16.5	0	0.0
12/1/2024	3,242	10.8	962	20.2	4,102	9.3	6,688	10.4	6,737	9.0	5,834	9.4	0	12.9	0	14.6	0	14.6	12,905	20.0	0	12.1
12/2/2024	1,585	10.9	1,379	23.0	3,959	9.2	6,687	10.0	6,896	9.0	5,882	9.4	2,964	14.8	20,238	15.2	13,502	14.3	21,523	19.2	0	11.8
12/3/2024	3,254	10.8	1,475	23.1	3,978	9.3	6,418	10.6	6,787	9.0	5,849	9.4	3,279	9.3	19,863	19.8	13,594	14.3	24,084	18.7	0	0.0
12/4/2024	3,150	10.8	1,178	22.0	3,968	9.3	6,252	12.0	10,932	9.6	6,135	9.4	3,319	14.9	20,617	19.2	13,973	14.5	14,542	16.4	0	12.2
12/5/2024	1,818	10.8	1,409	18.2	3,920	9.3	6,581	11.4	15,558	8.4	6,138	9.4	3,064	9.0	20,221	15.9	11,007	15.9	23,736	18.8	0	12.1
12/6/2024	3,238	10.8	1,672	17.8	4,022	9.2	5,787	12.6	6,699	9.0	6,516	9.4	0	0.0	0	0.0	0	0.0	13,385	16.5	0	0.0
12/7/2024	1,901	11.4	1,346	9.3	3,761	9.3	9,583	14.4	13,808	8.0	6,473	9.4	0	0.0	0	0.0	0	0.0	58,357	20.2	0	0.0
12/8/2024	2,587	10.9	823	17.0	3,679	9.3	7,909	11.2	7,043	8.8	7,244	9.5	0	9.0	0	15.5	0	13.7	41,868	17.0	0	60.0
12/9/2024	1,623	10.8	1,534	17.9	3,861	9.3	3,667	13.4	7,082	8.9	6,690	9.5	2,967	14.9	27,346	59.6	13,641	14.4	22,663	17.6	0	41.0
12/10/2024	3,322	10.7	599	22.0	4,057	9.3	4,025	13.6	7,001	9.0	6,607	9.4	3,129	11.6	20,806	28.1	0	16.0	8,266	20.8	0	12.0
12/11/2024	4,090	10.7	2,002	19.8	4,487	7.8	10,140	12.3	13,462	8.7	6,892	9.4	3,732	9.4	21,524	31.6	58,525	11.5	24,436	19.5	0	12.1
12/12/2024	3,841	10.8	1,526	9.6	4,521	9.3	10,953	14.0	6,945	9.0	7,437	9.5	0	0.0	0	0.0	0	0.0	24,773	20.0	0	0.0
12/13/2024	3,736	10.8	1,184	0.0	4,083	9.3	10,258	18.9	9,176	9.3	8,086	9.5	0	0.0	0	0.0	0	0.0	24,608	15.6	0	0.0
12/14/2024	0	11.8	2	0.0	4,305	9.2	11,293	18.1	11,418	8.0	8,582	9.5	0	0.0	0	0.0	0	0.0	28,481	20.8	0	0.0
12/15/2024	3,285	11.2	3	0.0	4,221	9.8	10,590	11.9	6,743	9.1	14,928	9.4	0	9.3	0	13.2	0	12.5	33,471	15.1	0	12.0
12/16/2024	1,742	10.9	2	0.0	4,155	9.3	10,086	14.9	6,895	8.9	14,522	9.5	3,349	13.9	20,132	14.5	14,544	15.1	33,120	20.9	0	12.1
12/17/2024	3,503	11.1	2	0.0	4,013	9.3	10,457	14.3	7,771	9.1	15,324	9.5	3,239	18.0	27,667	17.7	19,603	13.5	67,499	20.4	0	23.3
12/18/2024	1,430	11.1	1,354	0.0	633	45.4	5,675	12.9	16,528	9.0	14,472	9.7	3,991	14.4	21,497	10.5	25,127	13.9	46,652	21.9	0	12.1
12/19/2024	3,416	11.0	1,354	0.0	633	55.0	14,924	9.7	12,725	8.5	5,130	10.5	0	0.0	0	0.0	0	0.0	20,603	15.8	0	0.0
12/20/2024	3,614	10.8	1,354	0.0	633	55.0	11,309	12.8	6,638	9.0	0	13.5	0	0.0	0	0.0	0	0.0	23,305	19.5	0	0.0
12/21/2024	1,663	11.1	1,354	0.0	633	55.0	10,840	16.3	6,758	9.3	2	15.8	0	0.0	0	0.0	0	0.0	23,631	15.6	0	0.0
12/22/2024	3,570	10.8	1,354	0.0	633	55.0	10,166	17.5	6,579	8.7	0	17.9	0	14.5	0	11.8	0	16.2	36,122	21.1	0	12.1
12/23/2024	3,908	10.7	1,382	0.0	633	56.8	5,304	17.3	13,658	8.6	31,632	17.5	1,940	24.1	14,765	12.8	28,215	12.8	45,902	17.5	0	12.2
12/24/2024	1,645	11.1	1,383	0.0	633	72.5	11,453	17.5	13,658	7.7	39,658	10.9	0	0.0	0	0.0	0	0.0	45,902	21.3	0	0.0
12/25/2024	5,715	10.8	1,383	0.0	633	77.0	10,365	17.4	13,174	8.6	17,410	9.5	0	9.3	0	14.1	0	11.9	29,586	21.1	0	39.0
12/26/2024	1,621	10.8	1,383	0.0	633	77.0	12,674	13.6	7,310	8.9	16,876	9.9	4,556	9.2	23,714	13.9	28,056	9.5	53,597	27.1	0	15.1
12/27/2024	2,988	10.9	1,383	0.0	17,633	57.4	12,443	13.5	13,244	8.8	18,464	9.6	0	0.0	0	0.0	0	0.0	48,555	17.0	0	0.0
12/28/2024	1,502	11.4	1,383	0.0	5,770	9.6	8,011	10.9	13,966	8.5	16,622	9.6	0	0.0	0	0.0	0	0.0	32,709	21.8	0	0.0
12/29/2024	1,771	10.9	1,383	0.0	4,911	9.6	11,047	9.9	6,789	8.8	14,092	9.5	0	0.0	0	0.0	0	0.0	51,663	14.3	0	0.0
12/30/2024	1,429	11.1	1,383	0.0	4,358	9.6	10,788	6.6	13,617	8.7	14,302	9.5	0	0.0	0	0.0	0	0.0	31,907	21.0	0	0.0
12/31/2024	3,454	10.8	1,383	0.0	4,192	9.7	9,434	8.3	6,851	8.9	13,882	9.4	13,220	13.9	0	13.6	0	15.8	21,539	15.7	0	12.2

Appendix G

Stormwater Monitoring Data

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

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

Facility County: Pierce **Receiving Waterbody:** NEWB 2

Monitoring Period: 01/01/2024 - 01/31/2024 **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	**1/4/24**	C	C	C	C	C	C
2-W	**1/10/24**	7	M	12	M	8	M
3-Th	**1/18/24**	4	M	C	C	C	C
4-T	**1/23/24**	C	C	C	C	C	C
5-T	**1/30/24**	C	C	C	C	C	C
Minimum			M		M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		7	M	12	M	8	M
		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		Silt Fence
C8-1		Temporary Sediment Pond
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**

2/12/2024 6:40:04 AM — **Date**

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

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

Facility County: Pierce **Receiving Waterbody:** NEWB 2

Monitoring Period: 02/01/2024 - 02/29/2024 **Outfall:** 001 - South Creek **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C8-1	C8-1	C8-2	C8-2	C9-1	C9-1
1-F	**2/2/24**	2.8	M	C	C	C	C
2-F	**2/9/24**	5.7	M	C	C	C	C
3-Su	**2/11/24**	C	C	C	C	C	C
4-T	**2/20/24**	7.1	M	C	C	C	C
5-M	**2/26/24**	4.7	M	C	C	C	C
Minimum			M		C		C
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		7.1	M	C	C	C	C
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge, 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		Silt Fence
C8-1		Temporary Sediment Pond
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**

3/8/2024 3:13:20 PM — **Date**

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

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

Facility County: Pierce **Receiving Waterbody:** NEWB 2

Monitoring Period: 03/01/2024 - 03/31/2024 **Outfall:** 001 - South Creek **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C8-1	C8-1	C8-2	C8-2	C9-1	C9-1
1-F	**3/1/24**	C	C	C	C	C	C
2-T	**3/5/24**	7.1	M	C	C	C	C
3-M	**3/11/24**	C	C	9	M	11	M
4-T	**3/19/24**	C	C	C	C	C	C
5-T	**3/26/24**	2.1	M	C	C	C	C
Minimum			M		M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		7.1	M	9	M	11	M
		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		Silt Fence
C8-1		Temporary Sediment Pond
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

4/8/2024 4:13:01 PM
Date

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

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

Facility County: Pierce **Receiving Waterbody:** NEWB 2

Monitoring Period: 04/01/2024 - 04/30/2024 **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-M	**4/1/24**	C	C	C	C	C	C
2-Su	**4/7/24**	C	C	C	C	C	C
3-Su	**4/14/24**	C	C	C	C	C	C
4-Su	**4/21/24**	C	C	C	C	C	C
Minimum			C		C		C
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	C	C	C	C	C
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

BMPs

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

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Kevin Green — **Signature**

5/6/2024 10:55:11 AM — **Date**

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

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

Facility County: Pierce **Receiving Waterbody:** NEWB 2

Monitoring Period: 05/01/2024 - 05/31/2024 **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	**5/2/24**	2.3	7.56	C	M	C	M
2-T	**5/7/24**	5.6	8.03	C	M	C	M
3-F	**5/17/24**	C	M	C	M	C	M
4-F	**5/24/24**	C	M	C	M	C	M
5-Th	**5/30/24**	4.6	8.04	C	M	C	M
Minimum			7.56		M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		5.6	8.04	C	M	C	M
		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		Silt Fence
C8-1		Temporary Sediment Pond
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**

6/12/2024 6:42:33 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: 06/01/2024 - 06/30/2024 **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	**6/1/24**	C	C	C	C	C	C
2-Su	**6/2/24**	4.5	8.0	C	C	C	C
3-T	**6/11/24**	8.1	7.8	C	C	C	C
3-W	**6/12/24**	8.0	8.3	C	C	C	C
4-Su	**6/16/24**	C	C	C	C	C	C
5-Su	**6/23/24**	C	C	C	C	C	C
6-Su	**6/30/24**	C	C	C	C	C	C
Minimum			7.8		C		C
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		8.1	8.3	C	C	C	C
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

BMPs

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

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Kevin Green — **Signature**

7/10/2024 5:33:31 PM — **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: 07/01/2024 - 07/31/2024 **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-M	**7/1/24**	C	C	C	C	C	C
2-Su	**7/7/24**	C	C	C	C	C	C
3-Su	**7/14/24**	C	C	C	C	C	C
4-Su	**7/21/24**	C	C	C	C	C	C
5-Su	**7/28/24**	C	C	C	C	C	C
Minimum			C		C		C
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	C	C	C	C	C
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

BMPs

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

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Kevin Green — **Signature**

8/5/2024 12:15:25 PM — **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: 08/01/2024 - 08/31/2024 **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	**8/1/24**	C	C	C	C	C	C
2-Su	**8/4/24**	C	C	C	C	C	C
3-Su	**8/11/24**	C	C	C	C	C	C
4-Su	**8/18/24**	C	C	C	C	C	C
5-Su	**8/25/24**	C	C	C	C	C	C
Minimum							
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum							
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

Outfall: 001 - South Creek

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

BMPs

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

9/9/2024 12:25:07 PM — **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: 09/01/2024 - 09/30/2024 **Outfall:** 001 - South Creek **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C8-1	C8-1	C8-2	C8-2	C9-1	C9-1
1-F	**9/6/24**	C	C	C	C	C	C
2-F	**9/13/24**	C	C	C	C	C	C
3-F	**9/20/24**	C	C	C	C	C	C
4-F	**9/27/24**	C	C	C	C	C	C
Minimum							
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum							
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

Outfall: 001 - South Creek

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

BMPs

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

10/2/2024 5:18:15 PM — **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: 10/01/2024 - 10/31/2024 **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-W	**10/2/24**	C	C	C	C	C	C
2-Th	**10/10/24**	C	C	C	C	C	C
3-W	**10/16/24**	C	C	C	C	C	C
4-F	**10/25/24**	C	C	C	C	C	C
Minimum			C		C		C
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		C	C	C	C	C	C
		BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)	BM: <= 25 (RO)	BM: <= 8.5 (RO)

Reporting Codes Used: C - No Discharge

BMPs

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

11/15/2024 2:58:33 PM
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: 11/01/2024 - 11/30/2024 **Outfall:** 001 - South Creek **Version:** 1

Week	Monitoring Point	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab	Turbidity (NTU) Measured NTU Weekly Grab	pH Standard Units Weekly Grab
		C8-1	C8-1	C8-2	C8-2	C9-1	C9-1
1-F	**11/1/24**	C	C	C	C	C	C
2-Su	**11/3/24**	C	C	C	C	C	C
3-Su	**11/10/24**	C	C	C	C	C	C
4-Su	**11/17/24**	C	C	C	C	C	C
5-W	**11/27/24**	3	M	C	M	C	M
Minimum			M		M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		3	M	C	M	C	M
		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		Silt Fence
C8-1		Temporary Sediment Pond
C8-2		Check Dams
C8-2		Other
C8-2		Silt Fence
C9-1		Check Dams
C9-1		Other
C9-1		Silt Fence

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Kevin Green — **Signature**

12/13/2024 7:16:46 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: 12/01/2024 - 12/31/2024 **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	**12/7/24**	5.9	M	C	M	C	M
2-Su	**12/8/24**	C	C	C	C	C	C
3-T	**12/17/24**	10.1	M	C	M	C	M
4-M	**12/23/24**	10.0	M	C	M	C	M
4-Sa	**12/28/24**	1.07	M	C	M	C	M
5-Su	**12/29/24**	C	C	C	C	C	C
Minimum			M		M		M
			BM: >= 6.5 (RO)		BM: >= 6.5 (RO)		BM: >= 6.5 (RO)
Maximum		10.1	M	C	M	C	M
		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		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

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**

1/12/2025 7:52:11 PM — **Date**

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

Permit Number: WAR002557 **Permittee:** Pierce County Recycling - 304th Street L

Facility County: Pierce **Receiving Waterbody:**

Monitoring Period: 01/01/2024 - 03/31/2024 **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	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol,.alpha.,alpha.,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
		SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	**1/11/24**	13.65	7.01	No	10	B|35	2	5.2	0.65	B|9.6	B|48	B|13
Minimum			7.01									
			BM: >= 5.0 (RO)									
Average		13.65			10	B|35						
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			7.01									
			BM: <= 9.0 (RO)									
Month 1 Average							2	5.2	0.65	9.6	48	13
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 2 Average							2	5.2	0.65	9.6	48	13
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 3 Average							2	5.2	0.65	9.6	48	13
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14

Reporting Codes Used: B - Below Detection Limit/No Detection

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

4/23/2024 2:18:58 PM
Date

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
		SWPO	SWPO	SWPO
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
2-Th	**1/11/24**	B|9.6	B|35	7.01
Minimum				7.01
				>= 6.0 (RO)
Average				
Maximum				7.01
				<= 9.0 (RO)
Month 1 Average		9.6	35	
		<= 15	<= 110	
Month 2 Average		9.6	35	
		<= 15	<= 110	
Month 3 Average		9.6	35	
		<= 15	<= 110	

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

Permit Number: WAR002557 **Permittee:** Pierce County Recycling - 304th Street L

Facility County: Pierce **Receiving Waterbody:**

Monitoring Period: 04/01/2024 - 06/30/2024 **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	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol,.alpha.,alpha.,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
		SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
3-T	**4/16/24**	5.1	7.08	No	4.6	J|3.7	12	6.9	B|0.3	B|10	B|52	J|7.2
Minimum			7.08									
			BM: >= 5.0 (RO)									
Average		5.1			4.6	J|3.7						
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			7.08									
			BM: <= 9.0 (RO)									
Month 1 Average							12	B|6.9	B|0.3	B|10	B|52	J|7.2
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 2 Average							12	B|6.9	B|0.3	B|10	B|52	J|7.2
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 3 Average							12	B|6.9	B|0.3	B|10	B|52	J|7.2
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14

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.

Kevin Green — **Signature**

6/12/2024 6:42:28 AM — **Date**

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
		SWPO	SWPO	SWPO
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
3-T	**4/16/24**	B|10	J|3.7	7.08
Minimum				7.08
				>= 6.0 (RO)
Average				
Maximum				7.08
				<= 9.0 (RO)
Month 1 Average		B|10	J|3.7	
		<= 15	<= 110	
Month 2 Average		B|10	J|3.7	
		<= 15	<= 110	
Month 3 Average		B|10	J|3.7	
		<= 15	<= 110	

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

Permit Number: WAR125268 **Permittee:** PURDY TRANSFER STATION

Facility County: Pierce **Receiving Waterbody:**

Monitoring Period: 07/01/2024 - 09/30/2024 **Outfall:** 0001 - 0001 Purdy Creek **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	E. coli #/100ml Quarterly Grab	Fecal Coliform #/100ml Quarterly Grab
		SWP1	SWP1	SWP1	SWP1	SWP1	SWP1	SWP1
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	303d Waterbodies 2020 ISGP	303d Waterbodies 2020 ISGP
Minimum								
			BM: >= 5.0 (RO)					
Average								
		BM: <= 25			BM: <= 14	BM: <= 117		
Maximum								
			BM: <= 9.0 (RO)					

Reporting Codes Used: C - No Discharge

Overall DMR Notes/Comment

Reporting Code: C - No Discharge

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

Kevin Green — **Signature**

10/2/2024 5:18:20 PM — **Date**

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

Permit Number: WAR002557 **Permittee:** Pierce County Recycling - 304th Street L

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

Monitoring Period: 10/01/2024 - 12/31/2024 **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	Total BOD5 Total Milligrams/L (mg/L) Quarterly Grab	Solids (Residue) Total suspended (TSS) Milligrams/L (mg/L) Quarterly Grab	Ammonia Total Milligrams/L (mg/L) Quarterly Grab	Alpha-terpineol (3-Cyclohexene-1-methanol,.alpha.,alpha.,trimethyl-) Micrograms/L (ug/L) Quarterly Grab	Benzoic Acid Micrograms/L (ug/L) Quarterly Grab	p-Cresol (4-methylphenol) Micrograms/L (ug/L) Quarterly Grab
		SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO	SWPO
Limit Set		ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Western WA - 2020 Permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
6-T	**11/5/24**	14	6.8	No	7.3	13	B|2.0	14	0.37	B|9.7	B|49	B|9.7
Minimum			6.8									
			BM: >= 5.0 (RO)									
Average		14			7.3	13						
		BM: <= 25			BM: <= 14	BM: <= 117						
Maximum			6.8									
			BM: <= 9.0 (RO)									
Month 1 Average							B|2.0	14	0.37	B|9.7	B|49	B|9.7
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 2 Average							B|2.0	14	0.37	B|9.7	B|49	B|9.7
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14
Month 3 Average							B|2.0	14	0.37	B|9.7	B|49	B|9.7
							<= 37	<= 27	<= 4.9	<= 16	<= 71	<= 14

Reporting Codes Used: B - Below Detection Limit/No Detection

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Kevin Green
Signature

1/12/2025 7:52:05 PM
Date

Week	Monitoring Point	Phenol Micrograms/L (ug/L) Quarterly Grab	Zinc Total Micrograms/L (ug/L) Quarterly Grab	pH Standard Units Quarterly Grab
		SWPO	SWPO	SWPO
Limit Set		ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit	ISGP Non-Haz Waste Landfill (40CFR part 445 subpart B)- 2020 permit
6-T	**11/5/24**	B|12	13	6.88
Minimum				6.88
				>= 6.0 (RO)
Average				
Maximum				6.88
				<= 9.0 (RO)
Month 1 Average		B|12	13	
		<= 15	<= 110	
Month 2 Average		B|12	13	
		<= 15	<= 110	
Month 3 Average		B|12	13	
		<= 15	<= 110	

Appendix H

Landfill Gas Monitoring Data

Table H-1. 2024 Landfill Gas Probe Monitoring Summary
Methane (% vol.)
LRI Landfill, Pierce County, Washington

Gas Probe ID	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
LRI-GP01	37.6	38.6	3.9	12.7	5.6	1.3	0.9	0.3	3.1	32.9	34.5	37.6
LRI-GP02	4.2	2.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.3	2.7
LRI-GP03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP10B	27.7	14.8	0.0	4.3	0.6	3.8	1.5	0.1	8.1	12.5	0.2	20.6
LRI-GP10A	17.0	11.7	2.7	17.1	19.8	11.9	26.9	7.0	0.0	9.5	28.4	18.9
LRI-GP11	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	1.4
LRI-GP12	0.0	0.0	12.8	0.0	0.0	0.6	22.7	12.5	0.0	0.0	3.9	1.7
LRI-GP13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
LRI-GP14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
LRI-GP15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.9	1.9
LRI-GP16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
LRI-GP17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LRI-GP21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04223001.04

LRI Landfill

January-24

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)			1.49	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	1/22/2024	9:21	0.23	--	37.6	62.1	0.1	0.2	13.4	0.0	0.0	
GP-2	1/22/2024	9:09	0.18	--	4.2	12.8	3.8	79.2	15.3	0.0	0.0	
GP-3	1/22/2024	8:55	0.15	--	0.0	4.4	16.0	79.6	9.5	0.0	0.0	
GP-4	1/22/2024	8:51	0.14	--	0.0	4.6	14.0	81.4	9.1	0.0	0.0	
GP-9	1/22/2024	8:45	0.08	--	0.0	0.2	21.4	78.4	10.5	0.0	0.0	
GP-10	1/22/2024	9:28	1.49	--	27.7	30.7	0.2	41.4		0.0	0.0	
GP-10P	1/22/2024	9:32	0.18	--	17.0	24.7	5.2	53.1		0.0	0.0	
GP-11	1/22/2024	9:44	-0.66	--	0.4	6.5	15.5	77.6		0.0	0.0	
GP-12	1/22/2024	9:59	1.09	--	0.0	0.1	21.3	78.6		0.0	0.0	
GP-13	1/22/2024	10:08	-0.36	4.9	0.0	13.0	12.0	75.0		0.0	0.0	
GP-14	1/22/2024	10:27	0.33	--	0.0	1.5	20.4	78.1	11.4	0.0	0.0	
GP-15	1/22/2024	11:16	0.15	--	0.0	9.1	6.8	84.1	15.6	0.0	0.0	
GP-16	1/22/2024	8:41	0.64	--	0.0	1.8	20.3	77.9	18.2	0.0	0.0	
GP-17	1/22/2024	9:13	1.3	--	0.0	0.1	21.9	78.0	5.1	0.0	0.0	
GP-18	1/22/2024	9:01	-1.5	--	0.0	0.1	21.9	78.0	3.2	0.0	0.0	
GP-19	1/22/2024	11:22	0.3	--	0.0	5.5	12.4	82.1	5.4	0.0	0.0	
GP-20	1/22/2024	10:18	0.2	--	0.0	0.3	21.4	78.3	3.4	0.0	0.0	
GP-21	1/22/2024	10:12	-0.9	--	0.0	0.8	20.9	78.3	7.6	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:	1/22/2024
Starting Time:	8:41
Finishing Date:	1/22/2024
Finishing Time:	11:22
Monitored by:	TWH
Instruments:	GEM 2000
Calibration Date:	1/22/2024

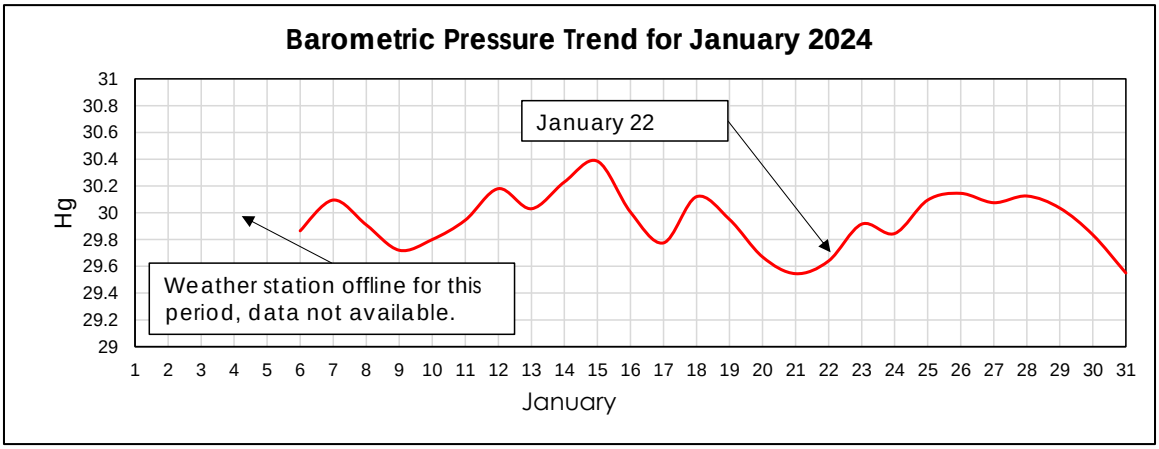
Headings:

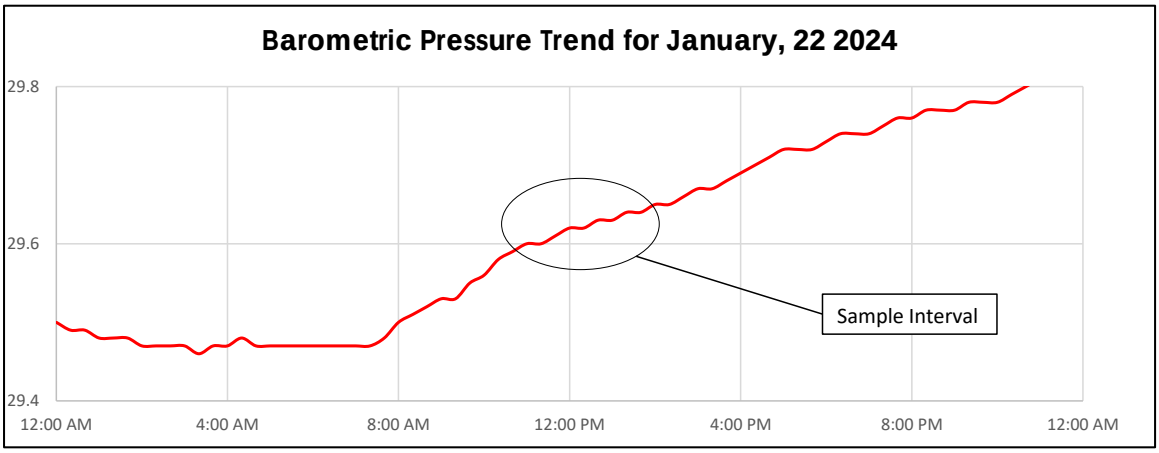
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 2024
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/2024-01-20/2024-01-20/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/2024-01-22/2024-01-22/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04223001.04

LRI Landfill

February-24

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)			1.14	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	2/19/2024	12:14	0.93	--	38.6	61.1	0.2	0.1		0.0	0.0	
GP-2	2/19/2024	12:24	0.17	--	2.4	11.6	4.9	81.1		0.0	0.0	
GP-3	2/19/2024	12:30	0.23	--	0.0	4.7	16.4	78.9		0.0	0.0	
GP-4	2/19/2024	12:40	0.18	--	0.0	6.1	9.9	84.0		0.0	0.0	
GP-9	2/19/2024	12:44	0.22	--	0.0	9.0	7.2	83.8		0.0	0.0	
GP-10	2/19/2024	12:07	0.31	--	14.8	22.4	4.0	58.8		0.0	0.0	
GP-10P	2/19/2024	12:09	1.14	--	11.7	25.7	4.5	58.1		0.0	0.0	
GP-11	2/19/2024	11:58	0.25	--	0.0	12.4	9.7	77.9		0.0	0.0	
GP-12	2/19/2024	11:56	0.65	--	0.0	15.1	6.6	78.3		0.0	0.0	
GP-13	2/19/2024	11:31	0.11	4.9	0.0	0.2	21.9	77.9		0.0	0.0	
GP-14	2/19/2024	11:26	0.17	--	0.0	1.5	20.3	78.2		0.0	0.0	
GP-15	2/19/2024	11:23	0.15	--	0.0	0.4	21.2	78.4		0.0	0.0	
GP-16	2/19/2024	12:49	0.19	--	0.0	0.4	21.7	77.9		0.0	0.0	
GP-17	2/19/2024	12:19	0.2	--	0.0	0.4	21.8	77.8		0.0	0.0	
GP-18	2/19/2024	12:34	0.2	--	0.0	0.2	21.8	78.0		0.0	0.0	
GP-19	2/19/2024	13:12	0.2	--	0.0	0.3	20.8	78.9		0.0	0.0	
GP-20	2/19/2024	11:40	0.2	--	0.0	0.1	22.2	77.7		0.0	0.0	
GP-21	2/19/2024	11:34	0.0	--	0.0	0.1	22.0	77.9		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:	2/19/2024
Starting Time:	11:23
Finishing Date:	2/19/2024
Finishing Time:	13:12
Monitored by:	TWH
Instruments:	GEM 2000
Calibration Date:	2/19/2024

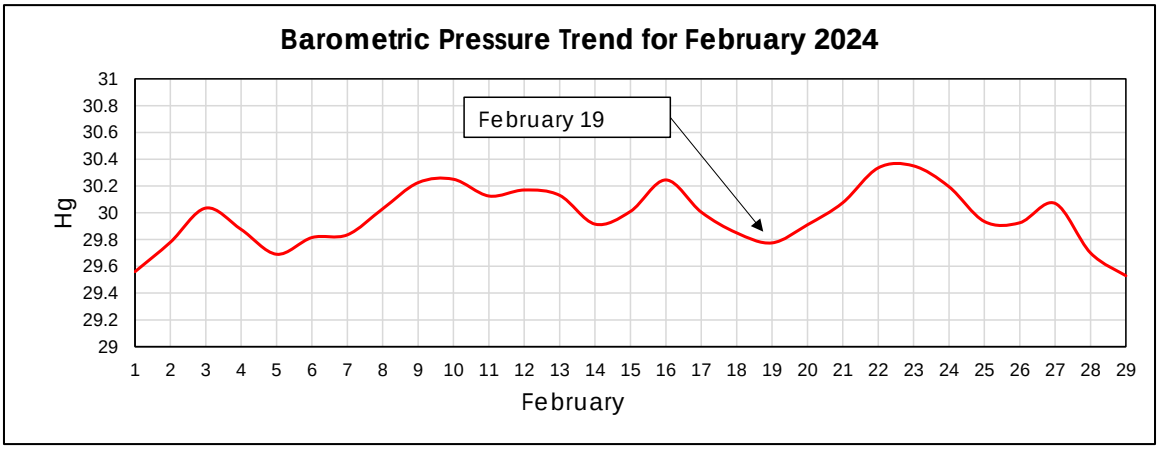
Headings:

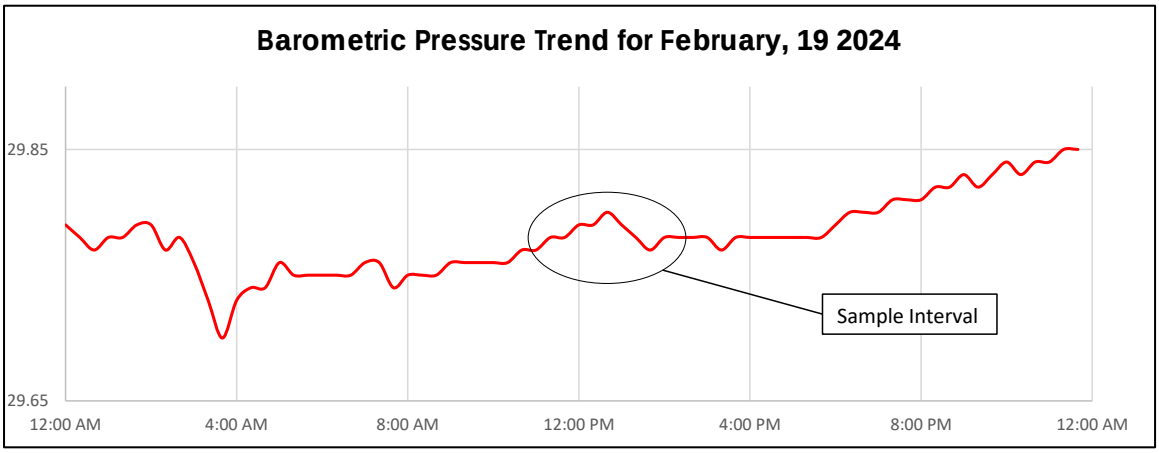
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 2024
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/2024-02-20/2024-02-20/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/2024-02-19/2024-02-19/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04223001.04

LRI Landfill

March-24

Location Refer *Design.*	Date	Time	$P_{(well)}$ (in W.C.)	Gas Composition - *Note 1*: CH_4 Spike (% by vol.)	CH_4 (% by vol.)	CO_2 (% by vol.)	O_2 (% by vol.)	Balance (N_2 & H_2O) (% by vol.)	Depth to Water *Note 2* (ft-TOC)	Exposed Portion of Perforations - *Note 3*: (ft)	(%)	Comments
Normal Operating Rage:												
(min)			-	-	0.3	-	-				20.0	
(max)			0.32	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	3/7/2024	15:05	0.28	--	3.9	6.6	18.1	71.5	13.9	3.9	78.2	
GP-2	3/7/2024	14:46	0.01	--	1.5	13.5	0.0	85.0	1.6	0.0	0.0	
GP-3	3/7/2024	14:27	0.00	--	0.0	4.1	17.5	78.4	9.7	14.7	100.0	
GP-4	3/7/2024	14:18	0.00	--	0.0	3.4	15.7	80.9	9.6	0.0	0.0	
GP-9	3/7/2024	14:06	0.00	--	0.0	9.5	5.2	85.3	11.3	0.0	0.0	
GP-10	3/7/2024	15:20	0.03	--	0.0	3.9	16.6	79.5				
GP-10P	3/7/2024	15:15	-0.02	--	2.7	24.0	5.2	68.1				
GP-11	3/7/2024	15:34	-0.39	--	0.0	6.3	15.6	78.1				
GP-12	3/20/2024	14:05	0.00	--	12.8	31.4	3.2	52.6				*Monitored with GEM 2000*
GP-13	3/7/2024	16:24	0.03	4.9	0.0	21.0	2.6	76.4				
GP-14	3/7/2024	16:53	0.32	--	0.0	1.1	19.8	79.2	11.5	0.0	0.0	
GP-15	3/7/2024	17:01	0.06	--	0.0	0.1	20.7	79.2	14.9	0.0	0.0	
GP-16	3/7/2024	13:55	0.00	--	0.0	0.1	22.3	77.7	19.1	11.8	78.6	
GP-17	3/7/2024	14:53	0.0	--	0.0	0.2	23.3	76.5	5.4	0.0	100.0	
GP-18	3/7/2024	14:37	0.0	--	0.0	0.2	23.2	76.6	3.8	0.0	0.0	
GP-19	3/7/2024	17:48	0.0	--	0.0	0.2	20.5	79.4	5.7	0.0	0.0	
GP-20	3/7/2024	16:41	0.1	--	0.0	0.2	20.9	79.0	3.9	0.0	0.0	
GP-21	3/7/2024	16:31	0.0	--	0.0	1.2	20.8	78.1	4.9	0.0	0.0	

General Data:

	Beginning	Ending	Average
Weather:	Partly Cloudy	Partly Cloudy	Partly Cloudy
Temperature, T (deg F):	39	46	42.5
Wind Speed (mph):	3	6	4.5
Wind Direction:	180	292.5	236.25
Barometric Pressure, P (in Hg):	29.75	29.75	29.75
24hr Baro.Trend (rising / falling / steady / unsteady)	Steady		

Starting Date:	3/7/2024
Starting Time:	13:55
Finishing Date:	3/20/2024
Finishing Time:	14:05
Monitored by:	A. Deszo
Instruments:	Envision
Calibration Date:	3/7/2024

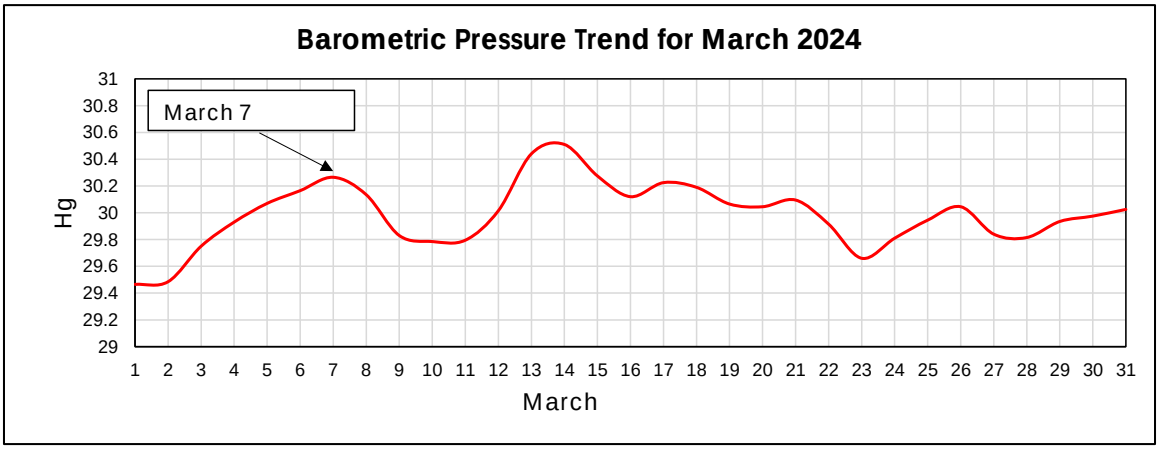
Headings:

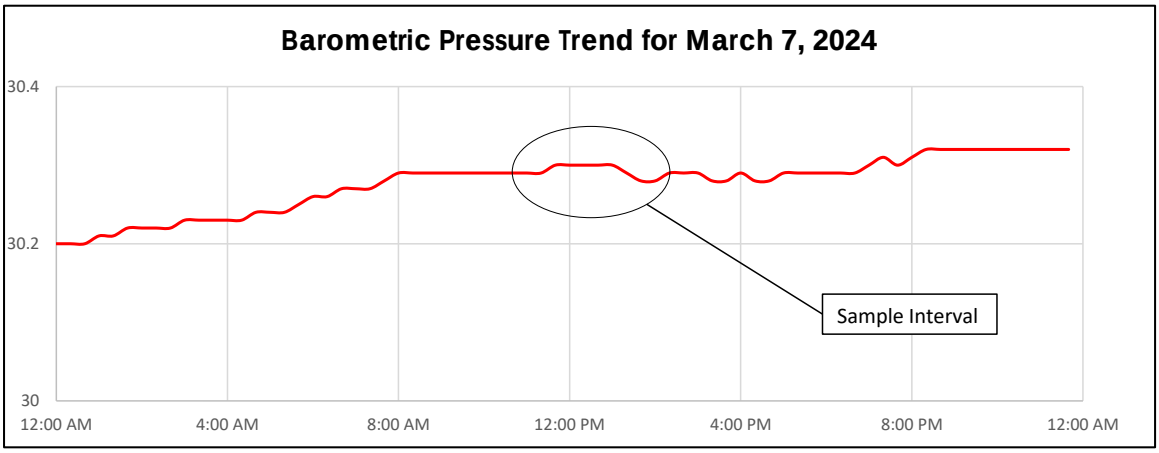
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 2024
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/2024-03-20/2024-03-20/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/2024-03-7/2024-03-7/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

April-24

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)			0.11	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	4/29/2024	7:00	-0.10	38.3	12.7	17.9	15.1	0.0	14.7	0.0	0.0	
GP-2	4/29/2024	8:00	-0.15	--	0.0	15.6	0.0	0.0	12.7	0.0	0.0	
GP-3	4/29/2024	8:00	-0.14	--	0.0	5.7	16.1	0.0	9.3	0.0	0.0	
GP-4	4/29/2024	8:00	-0.13	--	0.0	6.7	10.5	0.0	9.5	0.0	0.0	
GP-9	4/29/2024	8:00	-0.07	--	0.0	10.2	4.9	0.0	10.4	0.0	0.0	
GP-10	4/29/2024	8:00	-0.14	4.3	4.3	16.9	3.4	0.0		0.0	0.0	
GP-10P	4/29/2024	8:00	-0.07	17.4	17.1	22.8	6.2	0.0		0.0	0.0	
GP-11	4/29/2024	8:00	-0.10	--	0.0	0.7	20.5	0.0		0.0	0.0	
GP-12	4/29/2024	8:00	0.11	--	0.0	0.2	21.5	0.0		0.0	0.0	
GP-13	4/29/2024	8:00	-0.06	--	0.0	0.1	21.5	0.0		0.0	0.0	
GP-14	4/29/2024	8:00	-0.14	--	0.0	0.1	21.1	0.0	11.2	0.0	0.0	
GP-15	4/29/2024	8:00	0.03	--	0.0	0.1	21.3	0.0	14.1	0.0	0.0	
GP-16	4/29/2024	8:00	-0.13	--	0.0	1.0	21.4	0.0	19.0	0.0	0.0	
GP-17	4/29/2024	8:00	-0.1	--	0.0	0.1	21.7	0.0	5.4	0.0	0.0	
GP-18	4/29/2024	8:00	-0.1	--	0.0	0.1	21.7	0.0	3.7	0.0	0.0	
GP-19	4/29/2024	9:40	-0.1	--	0.0	5.1	12.7	0.0	5.2	0.0	0.0	
GP-20	4/29/2024	8:00	0.0	--	0.0	0.3	21.4	0.0	5.3	0.0	0.0	
GP-21	4/29/2024	8:00	-0.1	--	0.0	0.2	21.5	0.0	5.2	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:	4/29/2024
Starting Time:	7:00
Finishing Date:	4/29/2024
Finishing Time:	9:40
Monitored by:	TWH
Instruments:	GEM 2000
Calibration Date:	4/29/2024

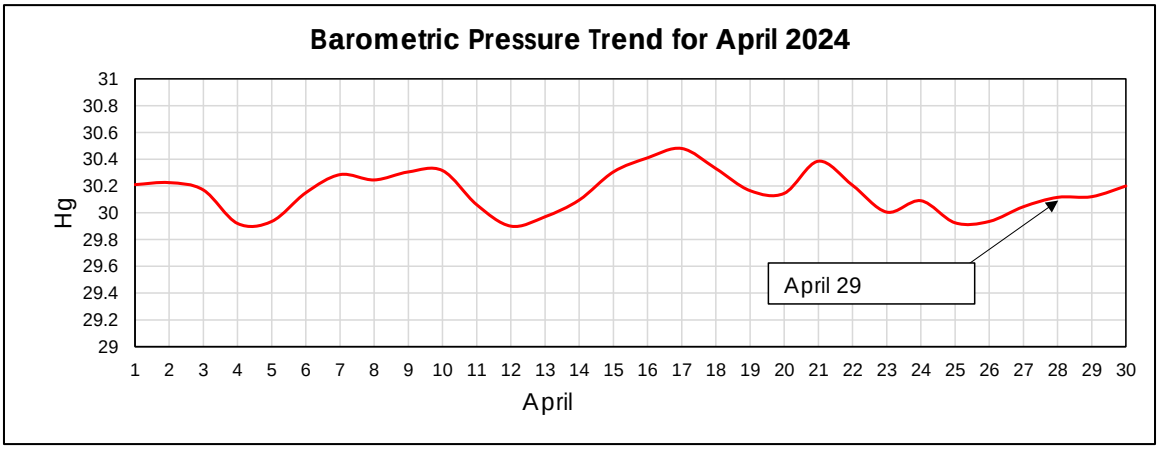
Headings:

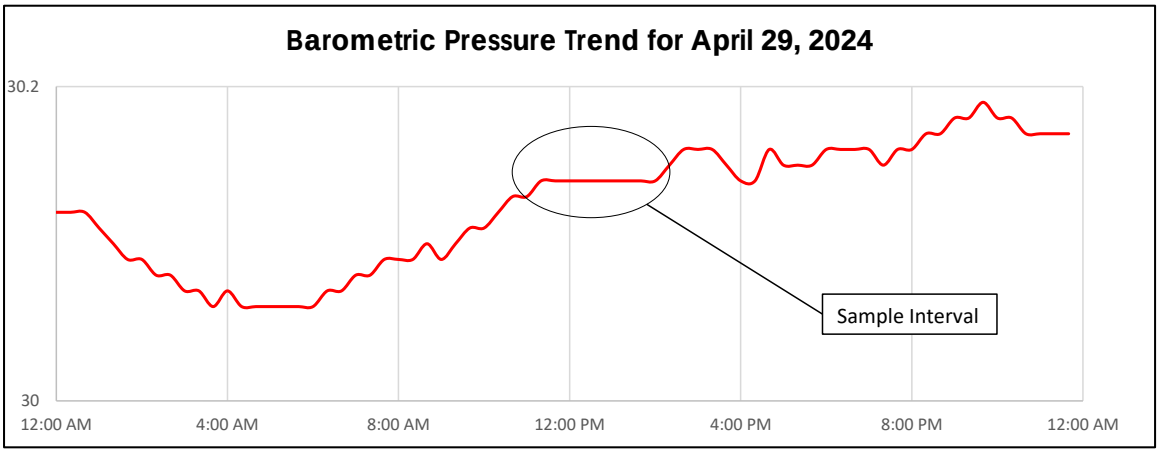
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - April 2024
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/2024-04-29/2024-04-29/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/2024-04-29/2024-04-29/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

May-24

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)			-0.04	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	5/17/2024	8:38	-0.11	38.3	5.6	8.9	18.2	0.0	14.9	0.0	0.0	
GP-2	5/17/2024	8:27	-0.64	--	0.0	13.5	3.0	0.0	9.4	0.0	0.0	
GP-3	5/17/2024	8:16	-0.13	--	0.0	5.3	16.2	0.0	8.3	0.0	0.0	
GP-4	5/17/2024	8:10	-0.13	--	0.0	6.0	12.1	0.0	9.8	0.0	0.0	
GP-9	5/17/2024	8:05	-0.12	--	0.0	8.7	7.6	0.0	11.8	0.0	0.0	
GP-10	5/17/2024	8:53	-0.16	4.3	0.6	2.0	20.2	0.0		0.0	0.0	
GP-10P	5/17/2024	8:51	-0.28	17.4	19.8	24.9	2.7	0.0		0.0	0.0	
GP-11	5/17/2024	9:00	-0.12	--	0.0	9.9	12.4	0.0		0.0	0.0	
GP-12	5/17/2024	9:10	-0.12	--	0.0	2.4	18.7	0.0		0.0	0.0	
GP-13	5/17/2024	9:16	-0.11	--	0.0	2.9	18.6	0.0		0.0	0.0	
GP-14	5/17/2024	7:42	-0.09	--	0.0	0.3	21.0	0.0	11.4	0.0	0.0	
GP-15	5/17/2024	7:47	-0.12	--	0.0	0.2	21.2	0.0	15.1	0.0	0.0	
GP-16	5/17/2024	7:58	-0.12	--	0.0	0.3	21.3	0.0	18.8	0.0	0.0	
GP-17	5/17/2024	8:30	-0.1	--	0.0	0.5	21.3	0.0	6.5	0.0	0.0	
GP-18	5/17/2024	8:19	-0.1	--	0.0	0.4	21.3	0.0	4.5	0.0	0.0	
GP-19	5/17/2024	9:52	0.0	--	0.0	0.2	21.0	0.0	6.8	0.0	0.0	
GP-20	5/17/2024	9:39	-0.1	--	0.0	0.5	21.2	0.0	5.3	0.0	0.0	
GP-21	5/17/2024	9:19	-0.1	--	0.0	0.4	21.0	0.0	5.7	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:	5/17/2024
Starting Time:	7:42
Finishing Date:	5/17/2024
Finishing Time:	9:52
Monitored by:	TWH
Instruments:	GEM 2000
Calibration Date:	5/17/2024

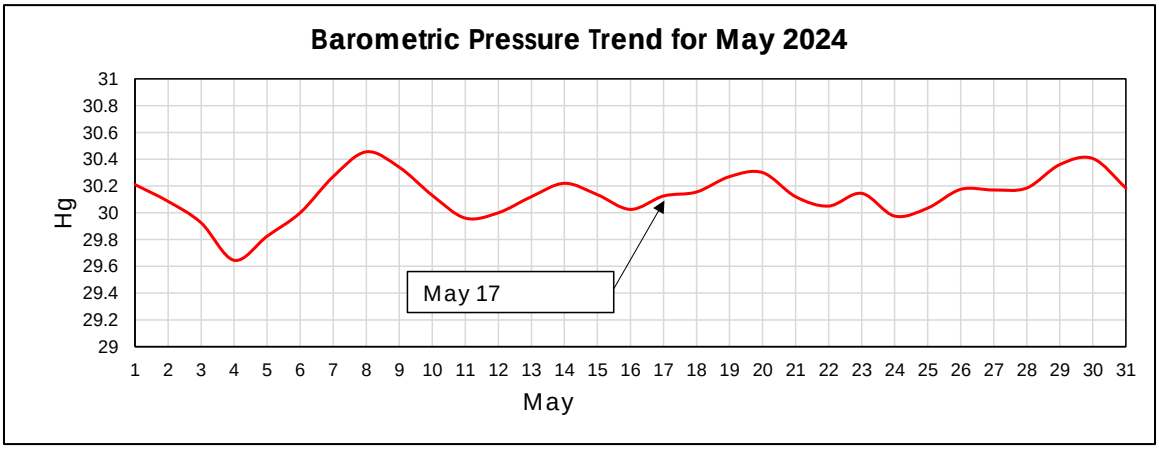
Headings:

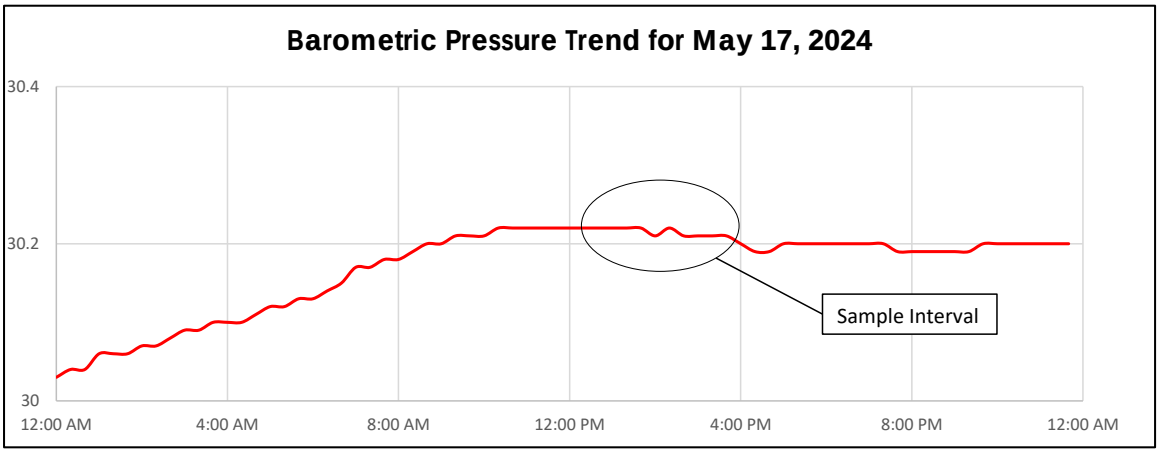
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - May 2024
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/2024-05-17/2024-05-17/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/2024-05-17/2024-05-17/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

June-24

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)			-0.03	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	6/25/2024	7:30	-0.05	38.3	1.3	2.7	20.2	75.8	13.7	0.0	0.0	
GP-2	6/25/2024	7:43	-0.04	--	0.0	13.0	4.0	83.0	14.5	0.0	0.0	
GP-3	6/25/2024	7:55	-0.07	--	0.0	5.4	15.9	78.7	9.3	0.0	0.0	
GP-4	6/25/2024	8:01	-0.04	--	0.0	7.7	12.2	80.1	10.6	0.0	0.0	
GP-9	6/25/2024	8:05	-0.09	--	0.0	8.4	7.9	83.7	12.5	0.0	0.0	
GP-10	6/25/2024	7:24	-0.06	4.3	3.8	7.2	15.9	73.1		0.0	0.0	
GP-10P	6/25/2024	7:22	-0.05	17.4	11.9	10.6	14.4	63.1		0.0	0.0	
GP-11	6/25/2024	7:14	-0.19	--	0.0	0.4	20.6	79.0		0.0	0.0	
GP-12	6/25/2024	8:27	-0.16	--	0.6	1.7	20.4	77.3		0.0	0.0	
GP-13	6/25/2024	6:54	-0.09	--	0.0	13.1	12.1	74.8		0.0	0.0	
GP-14	6/25/2024	6:41	-0.07	--	0.0	0.2	20.9	78.9	13.1	0.0	0.0	
GP-15	6/25/2024	6:47	-0.08	--	0.0	0.2	20.8	79.0	15.9	0.0	0.0	
GP-16	6/25/2024	8:09	-0.03	--	0.0	0.6	21.0	78.4	19.9	0.0	0.0	
GP-17	6/25/2024	7:38	-0.1	--	0.0	0.2	21.0	78.8	7.2	0.0	0.0	
GP-18	6/25/2024	7:49	0.0	--	0.0	0.1	19.3	80.6	5.2	0.0	0.0	
GP-19	6/25/2024	8:41	0.0	--	0.0	1.0	20.4	78.6	8.1	0.0	0.0	
GP-20	6/25/2024	7:01	-0.1	--	0.0	0.8	20.4	78.8	9.7	0.0	0.0	
GP-21	6/25/2024	6:58	-0.1	--	0.0	0.7	20.2	79.1	9.6	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:	6/25/2024
Starting Time:	6:41
Finishing Date:	6/25/2024
Finishing Time:	8:41
Monitored by:	TWH
Instruments:	GEM 2000
Calibration Date:	6/25/2024

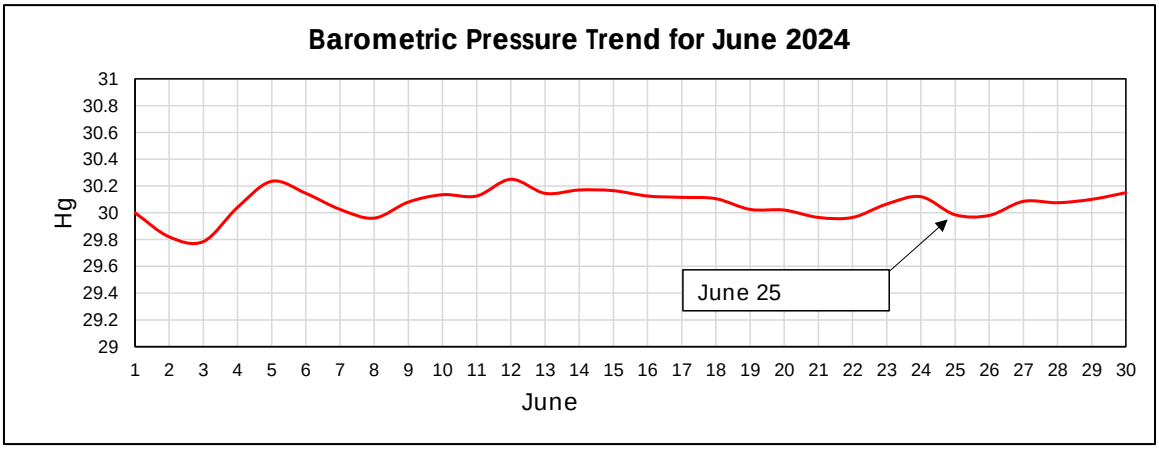
Headings:

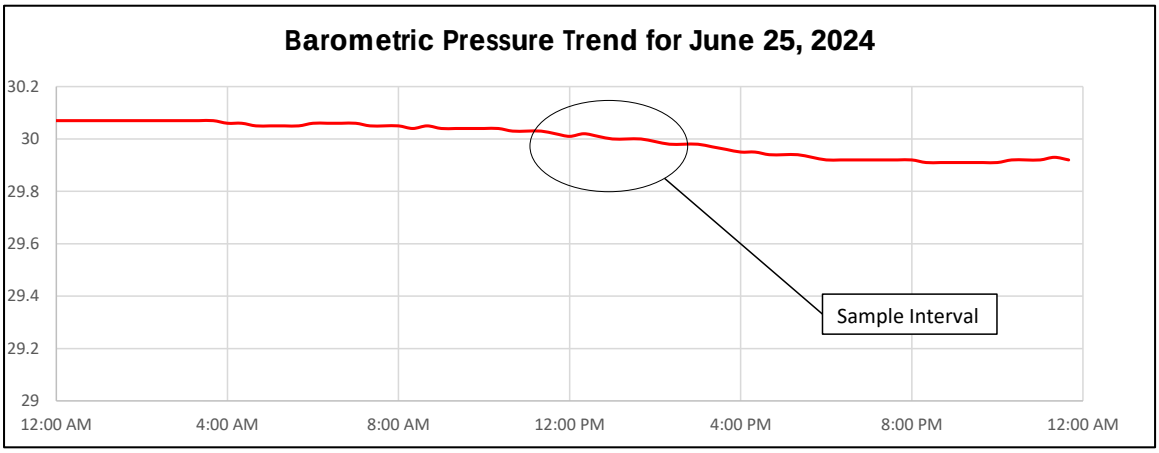
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - June 2024
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/2024-06-25/2024-06-25/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/2024-06-25/2024-06-25/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

July-24

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)			0.52	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	7/16/2024	8:55	0.52	38.3	0.9	2.3	20.9	75.9	12.9	0.0	0.0	
GP-2	7/16/2024	9:08	0.01	--	0.0	15.6	0.0	84.4	16.4	0.0	0.0	
GP-3	7/16/2024	9:19	-0.07	--	0.0	0.6	20.5	78.9	10.0	0.0	0.0	
GP-4	7/16/2024	9:24	0.01	--	0.0	9.0	9.2	81.8	12.5	0.0	0.0	
GP-9	7/16/2024	9:28	0.02	--	0.0	8.9	5.4	85.7	13.5	0.0	0.0	
GP-10	7/16/2024	9:50	0.07	4.3	1.5	22.5	2.7	73.3		0.0	0.0	
GP-10P	7/16/2024	9:47	0.01	17.4	26.9	31.5	0.0	41.6		0.0	0.0	
GP-11	7/16/2024	8:47	0.05	--	0.0	28.9	0.3	70.8		0.0	0.0	
GP-12	7/16/2024	8:40	0.08	--	22.7	55.4	0.2	21.7		0.0	0.0	
GP-13	7/16/2024	8:08	-0.01	--	0.0	22.1	3.3	74.6		0.0	0.0	
GP-14	7/16/2024	7:53	-0.01	--	0.0	0.4	21.5	78.1	14.9	0.0	0.0	
GP-15	7/16/2024	7:46	0.22	--	0.0	6.1	12.8	81.1	17.7	0.0	0.0	
GP-16	7/16/2024	9:34	0.01	--	0.0	1.1	21.0	77.9	20.5	0.0	0.0	
GP-17	7/16/2024	9:03	0.0	--	0.0	0.2	21.6	78.2	8.9	0.0	0.0	
GP-18	7/16/2024	9:14	0.0	--	0.0	0.4	21.1	78.5	6.8	0.0	0.0	
GP-19	7/16/2024	10:06	0.0	--	0.0	0.5	21.3	78.2	10.1	0.0	0.0	
GP-20	7/16/2024	8:26	0.0	--	0.0	0.8	15.6	83.6	9.1	0.0	0.0	
GP-21	7/16/2024	8:16	0.0	--	0.0	0.7	20.8	78.5	14.0	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:	7/16/2024
Starting Time:	7:46
Finishing Date:	7/16/2024
Finishing Time:	10:06
Monitored by:	TWH
Instruments:	Elkins Envision
Calibration Date:	7/16/2024

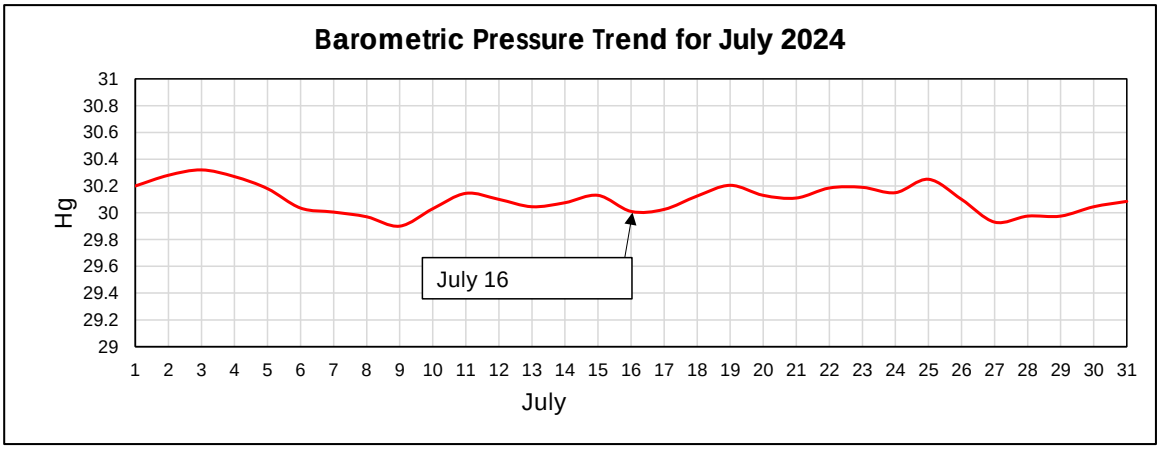
Headings:

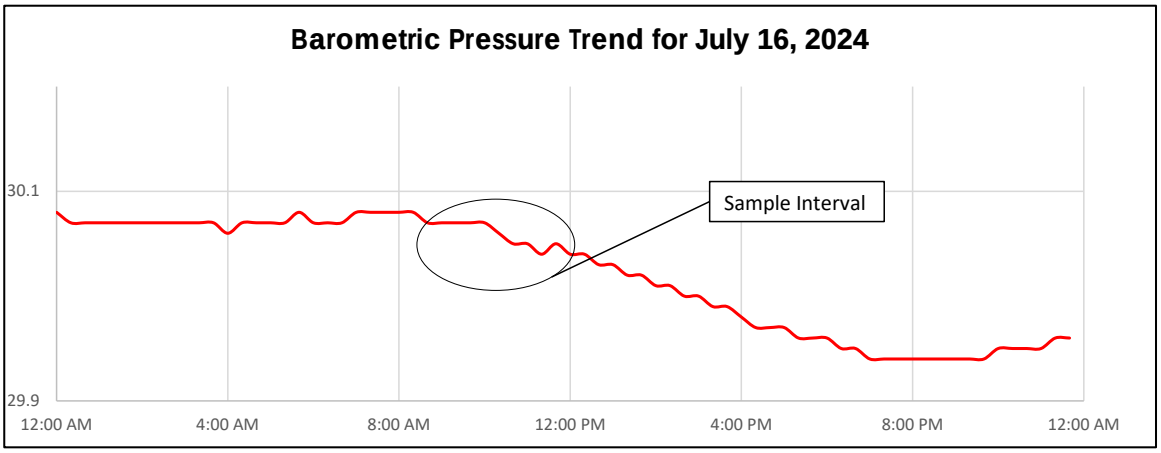
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - July 2024
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/2024-07-16/2024-07-16/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/2024-07-16/2024-07-16/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

August-24

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)			0.53	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	8/9/2024	8:00	0.01	38.3	0.3	1.6	21.2	0.0	12.8	0.0	0.0	
GP-2	8/9/2024	8:00	0.06	--	0.0	14.0	0.1	0.0	14.4	0.0	0.0	
GP-3	8/9/2024	8:00	0.02	--	0.0	4.0	17.3	0.0	12.2	0.0	0.0	
GP-4	8/9/2024	8:00	0.01	--	0.0	6.5	13.5	0.0	14.1	0.0	0.0	
GP-9	8/9/2024	8:00	0.02	--	0.0	8.7	6.6	0.0	14.6	0.0	0.0	
GP-10	8/9/2024	8:00	0.08	4.3	0.1	3.3	17.3	0.0		0.0	0.0	
GP-10P	8/9/2024	8:00	-0.05	17.4	7.0	12.9	9.7	0.0		0.0	0.0	
GP-11	8/9/2024	8:00	0.02	--	0.0	12.5	8.9	0.0		0.0	0.0	
GP-12	8/9/2024	8:00	0.53	--	12.5	19.0	0.0	0.0		0.0	0.0	
GP-13	8/9/2024	8:00	-0.01	--	0.0	1.2	18.9	0.0		0.0	0.0	
GP-14	8/9/2024	8:00	-0.01	--	0.0	1.5	18.4	0.0	16.8	0.0	0.0	
GP-15	8/9/2024	8:00	-0.04	--	0.0	2.7	18.5	0.0	18.4	0.0	0.0	
GP-16	8/9/2024	8:00	0.01	--	0.0	0.6	21.3	0.0	21.4	0.0	0.0	
GP-17	8/9/2024	8:00	0.0	--	0.0	0.6	21.6	0.0	10.9	0.0	0.0	
GP-18	8/9/2024	8:00	0.0	--	0.0	0.3	21.6	0.0	8.2	0.0	0.0	
GP-19	8/9/2024	8:00	0.0	--	0.0	0.4	20.5	0.0	12.2	0.0	0.0	
GP-20	8/9/2024	8:00	0.0	--	0.0	0.4	19.7	0.0	11.0	0.0	0.0	
GP-21	8/9/2024	8:00	0.0	--	0.0	0.9	20.1	0.0	8.4	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:	8/9/2024
Starting Time:	8:00
Finishing Date:	8/9/2024
Finishing Time:	8:00
Monitored by:	TWH/LM
Instruments:	Elkins Envision
Calibration Date:	8/9/2024

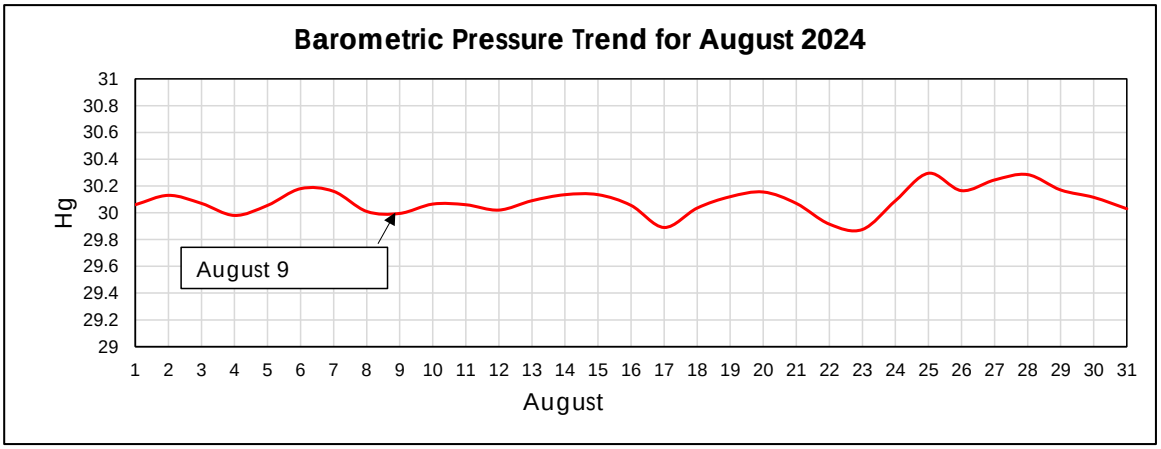
Headings:

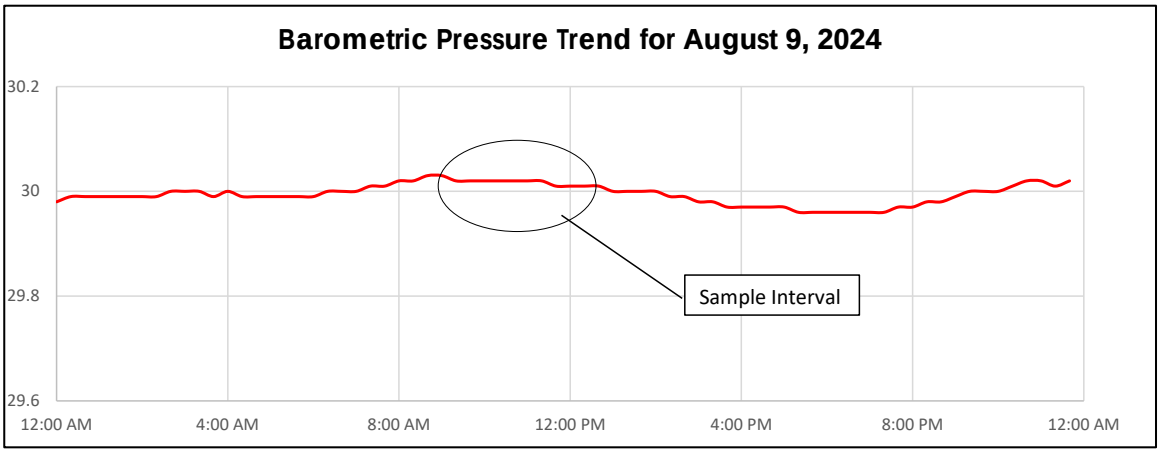
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - August 2024
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/2024-08-09/2024-08-09/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/2024-08-09/2024-08-09/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

September-24

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)			0.03	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	9/20/2024	12:10	-0.41	38.3	3.1	14.4	17.5	65.0		0.0	0.0	
GP-2	9/20/2024	10:33	0.03	--	0.0	17.3	0.1	82.6	17.9	0.0	0.0	
GP-3	9/20/2024	11:02	0.01	--	0.0	5.5	17.5	77.0	12.6	0.0	0.0	
GP-4	9/20/2024	11:20	0.01	--	0.0	8.6	15.3	76.1	14.5	0.0	0.0	
GP-9	9/20/2024	11:27	0.00	--	0.0	9.6	7.4	83.0	14.3	0.0	0.0	
GP-10	9/20/2024	10:11	-0.02	4.3	8.1	30.3	0.0	61.6		0.0	0.0	
GP-10P	9/20/2024	12:35	0.01	17.4	0.0	10.6	11.7	77.7		0.0	0.0	
GP-11	9/20/2024	12:47	-0.02	--	0.0	27.3	2.1	70.6		0.0	0.0	
GP-12	9/20/2024	12:57	-0.02	--	0.0	1.4	21.0	77.6		0.0	0.0	
GP-13	9/20/2024	13:09	0.01	--	0.0	28.8	1.2	70.0		0.0	0.0	
GP-14	9/20/2024	8:34	-0.02	--	0.0	16.6	3.8	79.6	17.7	0.0	0.0	
GP-15	9/20/2024	8:22	-1.01	--	0.0	1.1	21.2	77.7	20.6	0.0	0.0	
GP-16	9/20/2024	11:39	0.01	--	0.0	0.2	21.4	78.4	0.0	0.0	0.0	
GP-17	9/20/2024	10:52	0.0	--	0.0	0.3	21.6	78.1	14.2	0.0	0.0	
GP-18	9/20/2024	11:09	0.0	--	0.0	0.2	21.5	78.3	9.0	0.0	0.0	
GP-19	9/20/2024	13:30	0.0	--	0.0	0.5	20.2	79.3	13.4	0.0	0.0	
GP-20	9/20/2024	9:10	0.0	--	0.0	0.3	20.8	78.9	12.1	0.0	0.0	
GP-21	9/20/2024	8:58	0.0	--	0.0	0.7	20.9	78.4	0.0	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:	9/20/2024
Starting Time:	8:22
Finishing Date:	9/20/2024
Finishing Time:	13:30
Monitored by:	LM
Instruments:	Elkins Envision
Calibration Date:	9/20/2024

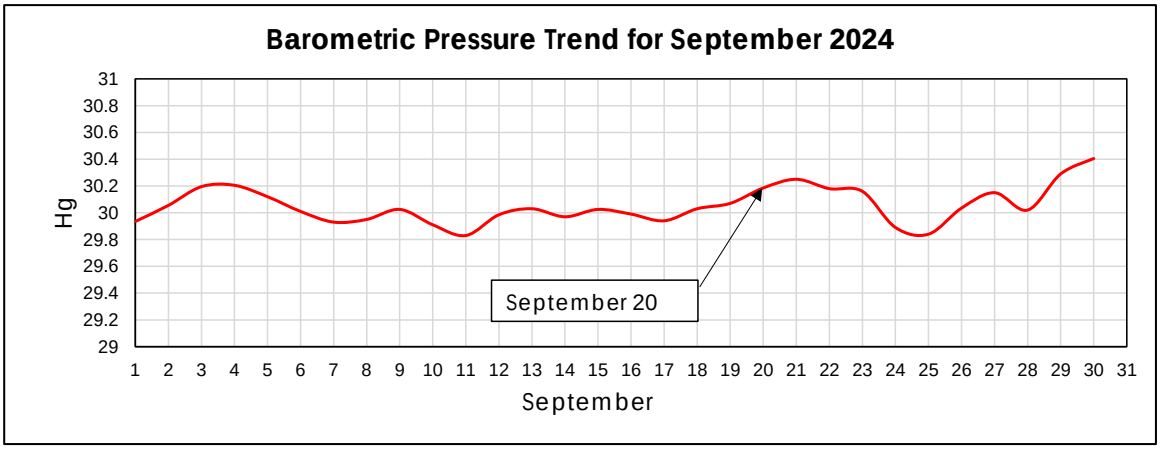
Headings:

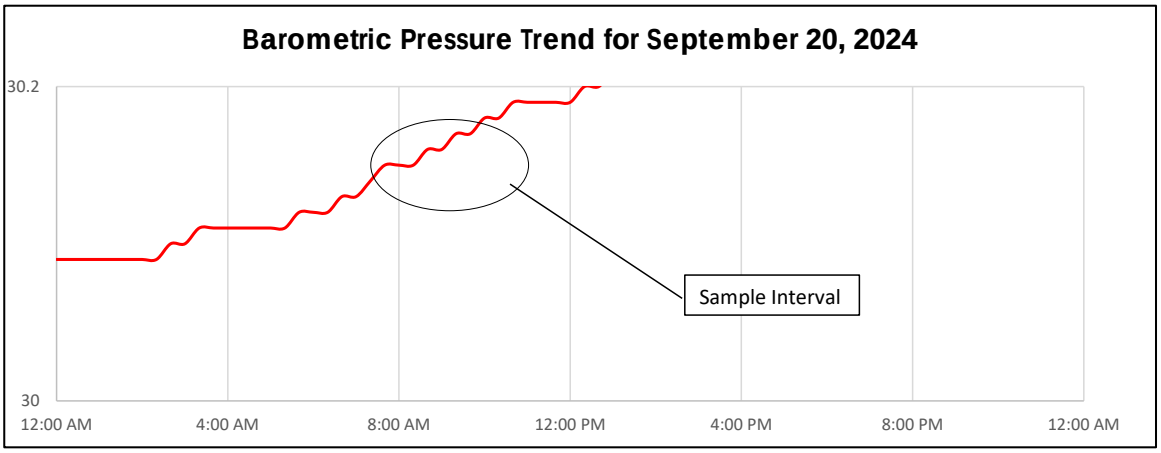
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - September 2024
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/2024-09-20/2024-09-20/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/2024-09-20/2024-09-20/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring

SCS Engineers

Landfill Gas Control System

04224001.04

LRI Landfill

October-24

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)			0.19	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	10/30/2024	10:58	-0.23	33.2	32.9	66.7	0.1	0.3		0.0	0.0	
GP-2	10/30/2024	11:22	0.07	1.2	1.2	17.4	0.1	81.3	17.6	0.0	0.0	
GP-3	10/30/2024	11:40	-0.01	--	0.0	5.0	17.9	77.1	11.6	0.0	0.0	
GP-4	10/30/2024	11:54	-0.05	--	0.0	8.6	14.9	76.5	14.6	0.0	0.0	
GP-9	10/30/2024	12:02	0.00	--	0.0	9.4	6.8	83.8	12.7	0.0	0.0	
GP-10	10/30/2024	10:42	-1.00	12.5	12.5	27.6	0.2	59.7		0.0	0.0	
GP-10P	10/30/2024	10:47	-0.02	9.7	9.5	16.2	0.0	74.3		0.0	0.0	
GP-11	10/30/2024	10:26	-0.32	2.2	2.2	28.4	0.0	69.4		0.0	0.0	
GP-12	10/30/2024	10:11	-0.89	--	0.0	0.5	21.7	77.8		0.0	0.0	
GP-13	10/30/2024	9:39	-0.13	--	0.0	29.5	0.6	69.9		0.0	0.0	
GP-14	10/30/2024	9:30	-0.42	--	0.0	23.8	0.3	75.9	18.2	0.0	0.0	
GP-15	10/30/2024	9:19	0.19	3.5	3.5	48.0	0.0	48.5	20.6	0.0	0.0	
GP-16	10/30/2024	12:10	0.00	--	0.0	4.4	18.8	76.8	21.6	0.0	0.0	
GP-17	10/30/2024	11:11	0.0	--	0.0	1.8	17.8	80.4	15.4	0.0	0.0	
GP-18	10/30/2024	11:32	-0.3	--	0.0	0.3	21.5	78.2	7.0	0.0	0.0	
GP-19	10/30/2024	12:40	0.0	--	0.0	1.8	18.6	79.6	14.4	0.0	0.0	
GP-20	10/30/2024	9:57	-0.4	--	0.0	0.6	20.1	79.3	12.2	0.0	0.0	
GP-21	10/30/2024	9:46	0.0	--	0.0	2.4	19.4	78.2	18.0	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:	10/30/2024
Starting Time:	9:19
Finishing Date:	10/30/2024
Finishing Time:	12:40
Monitored by:	LM
Instruments:	Elkins Envision
Calibration Date:	10/30/2024

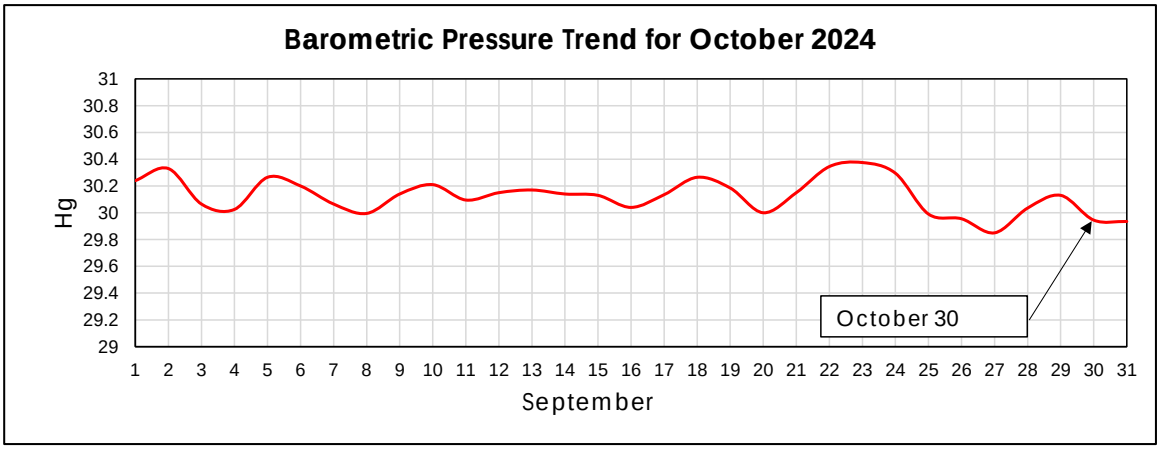
Headings:

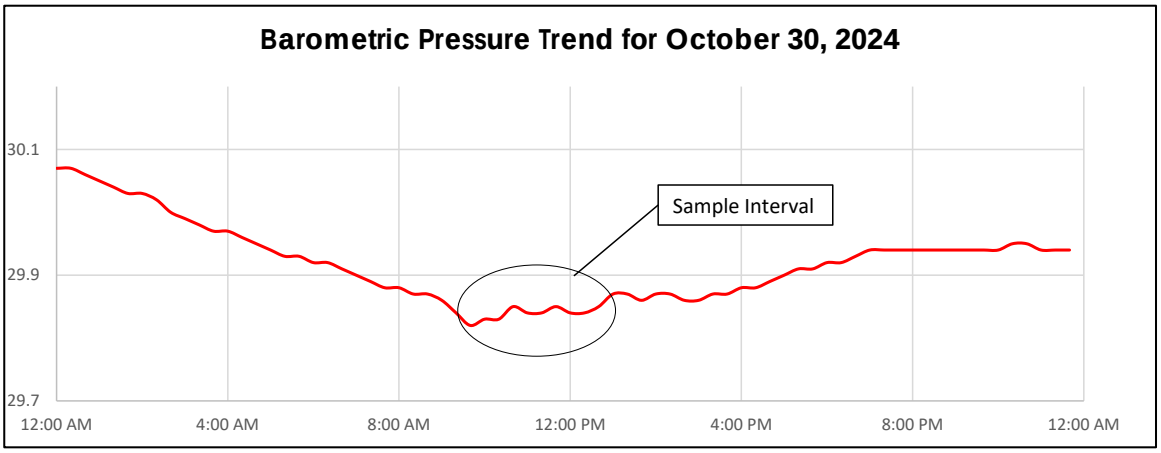
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - October 2024
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/2024-09-20/2024-09-20/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/2024-09-20/2024-09-20/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring — **SCS Engineers**

Landfill Gas Control System — 04224001.04

LRI Landfill

November-24

Location Refer *Design.*	Date	Time	$P_{(well)}$ (in W.C.)	Gas Composition - *Note 1*: CH_4 Spike (% by vol.)	CH_4 (% by vol.)	CO_2 (% by vol.)	O_2 (% by vol.)	Balance (N_2 & H_2O) (% by vol.)	Depth to Water *Note 2* (ft-TOC)	Exposed Portion of Perforations - *Note 3*: (ft)	(%)	Comments
Normal Operating Rage:												
(min)			-	-	0.3	-	-				20.0	
(max)			0.85	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	11/22/2024	11:43	0.43	33.2	34.5	65.5	0.0	0.0		0.0	0.0	
GP-2	11/22/2024	11:31	0.16	1.2	2.3	17.6	0.0	80.1	16.8	0.0	0.0	
GP-3	11/22/2024	11:01	0.03	--	0.0	4.7	19.2	76.1	10.5	0.0	0.0	
GP-4	11/22/2024	10:55	0.03	--	0.0	8.8	12.3	78.9	13.7	0.0	0.0	
GP-9	11/22/2024	10:49	0.01	--	0.0	10.0	5.8	84.2	11.4	0.0	0.0	
GP-10	11/27/2024	9:12	0.50	12.5	0.2	10.6	7.1	82.1		0.0	0.0	
GP-10P	11/27/2024	9:04	0.85	9.7	28.4	31.4	0.0	40.2		0.0	0.0	
GP-11	11/27/2024	9:24	0.28	2.2	0.0	9.7	12.5	77.8		0.0	0.0	
GP-12	11/27/2024	0:00	0.00	--	0.0	28.3	1.2	70.5		0.0	0.0	
GP-13	11/27/2024	9:34	0.84	--	0.0	27.9	2.5	69.6		0.0	0.0	
GP-14	11/22/2024	12:36	-0.01	--	0.1	25.8	0.0	74.1	15.6	0.0	0.0	
GP-15	11/22/2024	12:49	0.07	3.5	3.9	50.4	0.0	45.7	20.6	0.0	0.0	
GP-16	11/22/2024	10:44	0.03	--	0.0	1.4	20.6	78.0	21.2	0.0	0.0	
GP-17	11/22/2024	11:26	0.0	--	0.0	0.0	21.2	78.8	7.8	0.0	0.0	
GP-18	11/22/2024	11:16	0.0	--	0.0	0.1	20.7	79.2	4.9	0.0	0.0	
GP-19	11/22/2024	12:56	0.0	--	0.0	4.3	16.3	79.4	12.3	0.0	0.0	
GP-20	11/22/2024	12:24	0.0	--	0.0	1.4	17.6	81.0	10.1	0.0	0.0	
GP-21	11/22/2024	12:17	0.0	--	0.0	1.6	19.3	79.1	18.0	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:	11/22/2024
Starting Time:	10:44
Finishing Date:	11/27/2024
Finishing Time:	9:34
Monitored by:	AD
Instruments:	Elkins Envision
Calibration Date:	11/22/2024

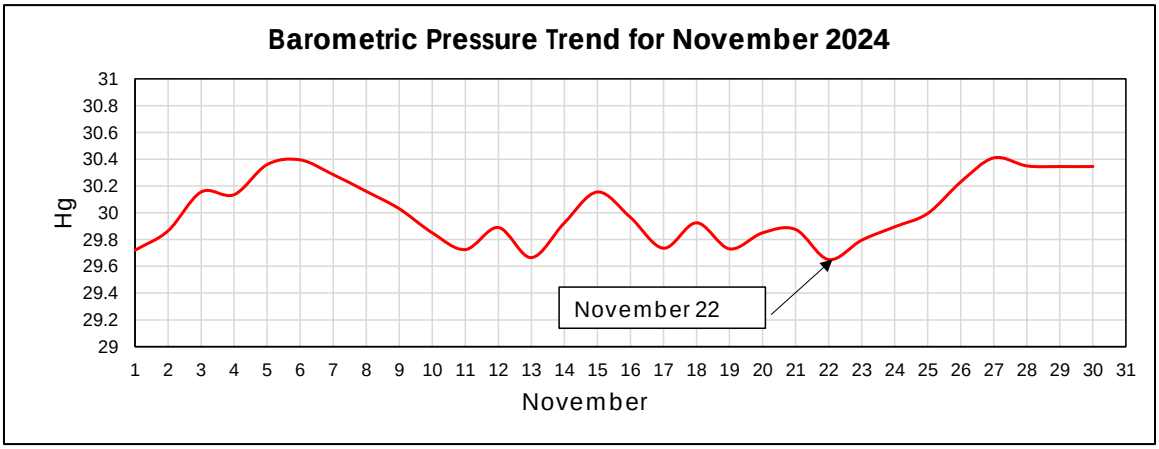
Headings:

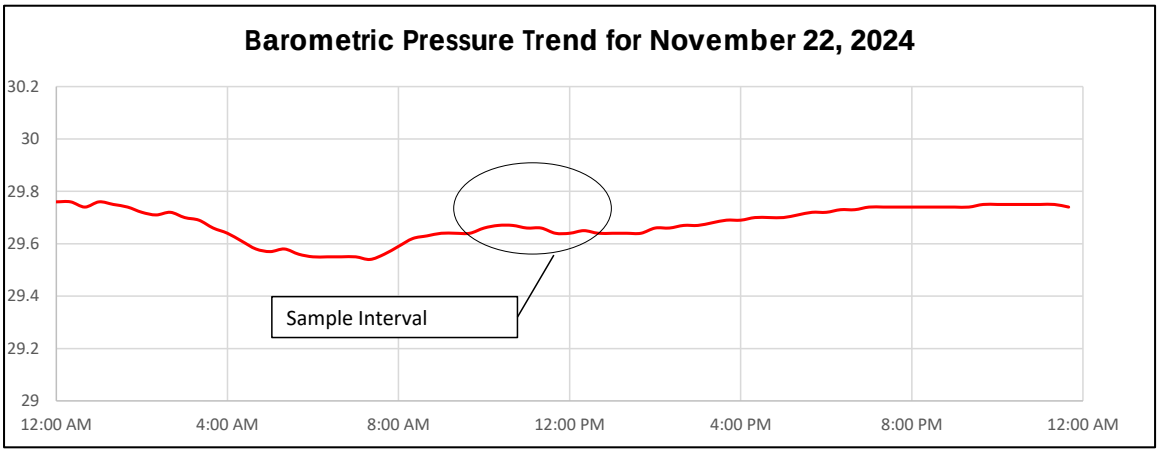
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - November 2024
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/2024-11-22/2024-11-22/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/2024-11-22/2024-11-22/daily

Exhibit 3 - Results of Landfill Gas Probe Monitoring — **SCS Engineers**

Landfill Gas Control System — 04224001.04

LRI Landfill

December-24

Location Refer *Design.*	Date	Time	$P_{(well)}$ (in W.C.)	Gas Composition - *Note 1*: CH_4 Spike (% by vol.)	CH_4 (% by vol.)	CO_2 (% by vol.)	O_2 (% by vol.)	Balance (N_2 & H_2O) (% by vol.)	Depth to Water *Note 2* (ft-TOC)	Exposed Portion of Perforations - *Note 3* (ft)	(%)	Comments
Normal Operating Rage:												
(min)			-	-	0.3	-	-				20.0	
(max)			0.27	-	5.0	5.0	20.3				90.0	
Perimeter Gas Probes												
GP-1A	12/12/2024	13:11	0.12	--	37.6	62.3	0.0	0.1	12.7	0.0	0.0	
GP-2	12/12/2024	14:05	-0.03	--	2.7	16.5	0.0	80.8	16.2	0.0	0.0	
GP-3	12/12/2024	13:47	0.09	--	0.0	4.1	18.2	77.7	9.9	0.0	0.0	
GP-4	12/12/2024	13:41	-1.19	--	0.0	9.6	9.8	80.6	12.1	0.0	0.0	
GP-9	12/12/2024	13:32	0.10	--	0.0	9.7	5.3	85.0	11.5	0.0	0.0	
GP-10	12/12/2024	12:52	-1.20	--	20.6	27.6	0.0	51.8		0.0	0.0	
GP-10P	12/12/2024	13:02	0.10	--	18.9	21.9	0.5	58.7	NO WL	0.0	0.0	
GP-11	12/12/2024	12:43	-0.95	--	1.4	25.2	0.5	72.9	NO WL	0.0	0.0	
GP-12	12/12/2024	12:22	-0.82	--	1.7	36.2	0.0	62.1	NO WL	0.0	0.0	
GP-13	12/12/2024	12:33	-0.05	--	0.1	25.0	1.7	73.2	NO WL	0.0	0.0	
GP-14	12/12/2024	11:40	0.27	--	0.0	3.1	19.1	77.8	14.0	0.0	0.0	
GP-15	12/12/2024	11:31	-0.55	--	1.9	36.6	3.6	57.9	Dry	0.0	0.0	
GP-16	12/12/2024	13:24	-0.30	--	0.1	2.5	20.8	76.6	20.2	0.0	0.0	
GP-17	12/12/2024	14:15	-0.1	--	0.0	0.5	21.4	78.1	6.7	0.0	0.0	
GP-18	12/12/2024	13:55	-0.1	--	0.0	0.3	21.5	78.2	3.8	0.0	0.0	
GP-19	12/12/2024	11:10	0.1	--	0.0	1.4	20.3	78.3	9.2	0.0	0.0	
GP-20	12/12/2024	11:59	-0.1	--	0.0	0.3	19.5	80.2	8.9	0.0	0.0	
GP-21	12/12/2024	11:49	-0.2	--	0.0	1.1	21.2	77.7	Dry	0.0	0.0	

General Data:

	Beginning	Ending	Average
Weather:	Cloudy	Cloudy	Cloudy
Temperature, T (deg F):	40	44	42
Wind Speed (mph):	0	2	1
Wind Direction:	292.5	315	303.75
Barometric Pressure, P (in Hg):	29.12	29.16	29.14
24hr Baro.Trend (rising / falling / steady / unsteady)	Steady		

Starting Date:	12/12/2024
Starting Time:	11:10
Finishing Date:	12/12/2024
Finishing Time:	14:15
Monitored by:	AD
Instruments:	Elkins Envision
Calibration Date:	12/12/2024

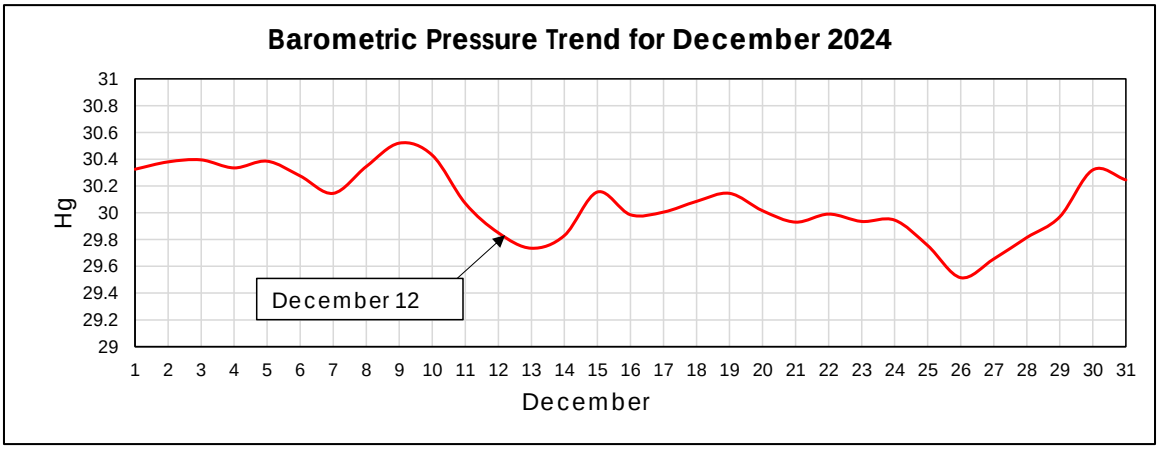
Headings:

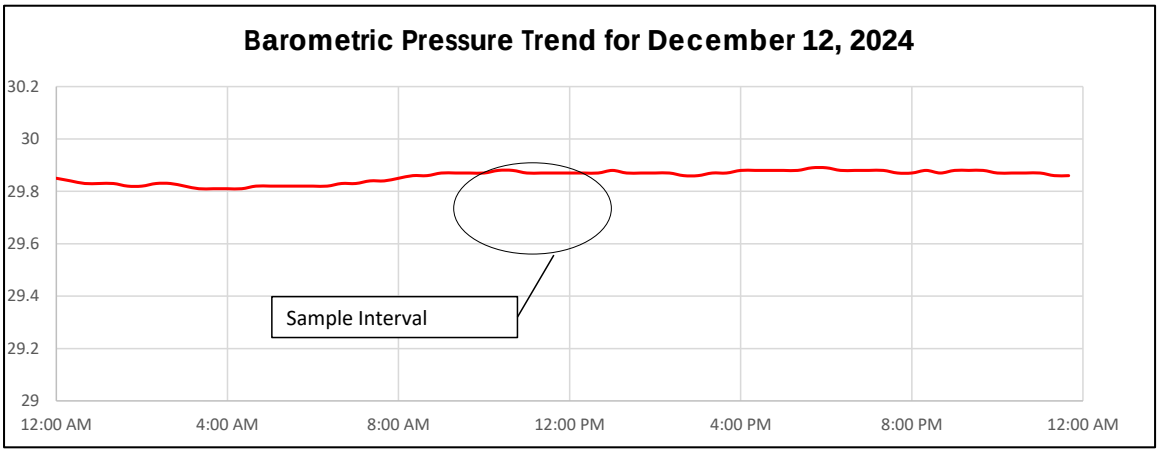
$P_{(well)}$	Relative Pressure
CH_4	Methane
CO_2	Carbon Dioxide
O_2	Oxygen
H_2O	Water Vapor
N_2	Nitrogen
TOC	Top of Casing

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 - December 2024
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/2024-12-12/2024-12-12/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/2024-12-12/2024-12-12/daily

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

Project Number: 04224001.04

Date: 2-14-24
Weather Conditions: overcast
Instrument: MicroFID
Measured By: JTF

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.

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

- 8.0 ppm ☐ Main Office - individual office spaces, storage areas and within open crawl-space area.
- 6.0 ppm ☐ Repair Shop – survey atmosphere conditions throughout (lower height levels).
- 0.0 ppm ☐ Pay/Scale Booth – interior of building.
- 4.0 ppm ☐ Work Shop - interior of shed adjacent to stormwater ponds.
- 2.0 ppm ☐ Energy Plant - occupied spaces of building adjacent to blower flare station.

MAX

Signature

Upwind 0.0 ppm
Downwind 19.2 ppm MAX near active face

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

Project Number: 04224001.04

Date: 6/25
Weather Conditions: Sunny
Instrument: MicroFid
Measured By: TWH

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.

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

- ☑ Main Office - individual office spaces, storage areas and within open crawl-space area. 4.5 bathroom closet
- ☑ Repair Shop – survey atmosphere conditions throughout (lower height levels) 0.1 behind fridge
- ☑ Pay/Scale Booth – interior of building. 0.0
- ☑ Work Shop - interior of shed adjacent to stormwater ponds. 0.0
- ☑ Energy Plant - occupied spaces of building adjacent to blower flare station. 0.0

TWH
Signature

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

Project Number: 04224001.04

Date: 8/9/24
Weather Conditions: Sunny/a little overcast
Instrument: MiGO FID
Measured By: TWH/LM

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.

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

- ☐ Main Office - individual office spaces, storage areas and within open crawl-space area. -3.4 Ryan office Desk
- ☐ Repair Shop – survey atmosphere conditions throughout (lower height levels). 4.8 - near entrance
- ☐ Pay/Scale Booth – interior of building. 4.0 - first desk next to door
- ☐ Work Shop - interior of shed adjacent to stormwater ponds. .2 - Storage rack
- ☐ Energy Plant - occupied spaces of building adjacent to blower flare station. .7 - back office - under AC

Signature

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

Project Number: 04224001.04

Date: 11/27/24
Weather Conditions: Cloudy 43°F
Instrument: Micro FID
Measured By: AMD

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

The areas monitored included:

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

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

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

- 0.6 — ☒ Main Office - individual office spaces, storage areas and within open crawl-space area.
- 2.3 — ☒ Repair Shop – survey atmosphere conditions throughout (lower height levels).
- 1.0 ppm — ☒ Pay/Scale Booth – interior of building.
- 1.7 — ☒ Work Shop - interior of shed adjacent to stormwater ponds.
- 1.6 ppm — ☒ Energy Plant - occupied spaces of building adjacent to blower flare station.

Alex Dean
Signature

Appendix I

Financial Assurance Cost Estimates

Table 1
Estimated Closure Costs
LRI Landfill, Pierce County, Washington
January 29, 2025 Update

Total Acreage at Full Build-Out:	169.20	Acres
Remaining Closure at Full Build-Out:	125.23	Acres
Remaining Closure at Full Build-Out:	5,455,019	SF

Item	Description	Unit	Unit Price	Quantity	Cost
1	Subgrade Preparation	SF	$ 0.10	5,199,757	$ 519,975.72
2	Bedding Layer (6-inch layer)	SF	$ 0.70	5,199,757	$ 3,639,830.04
3	Geosynthetic Clay Liner	SF	$ -	-	$ -
4	Geomembrane - Micro DrainLiner	SF	$ 0.98	5,199,757	$ 5,111,361.33
5	Geotextile Filter	SF	$ 0.37	5,455,019	$ 2,034,722.01
6	Vegetative / Topsoil Layer (14-inch layer)	SF	$ 1.20	5,455,019	$ 6,546,022.56
7	Erosion Control Blanket	SF	$ 0.25	5,455,019	$ 1,363,754.70
8	Hydroseed	acre	$ 3,875.00	125.2	$ 485,266.25
9	Access Road (24 ft wide w/ 3-in asphalt layer)	LF	$ 137.63	1,060	$ 145,888.04
10	Storwater Ditches	LF	$ 33.50	9,603	$ 321,700.50
11	4-inch gas collection piping	LF	$ -	-	$ -
12	6-inch gas collection piping	LF	$ 49.19	18,930	$ 931,242.42
13	8-inch gas collection piping	LF	$ 67.26	1,157	$ 77,819.82
14	12-inch gas header piping	LF	$ 76.74	1,919	$ 147,269.82
15	18-inch gas header piping	LF	$ 113.06	3,000	$ 339,165.60
16	Condensate Sumps	EA	$ 17,486.63	5	$ 87,433.13
17	Vertical Gas Extraction Wells (Approx. 7870-feet total)	EA	$ 176.00	7,870	$ 1,385,120.00
	Subtotal				$ 23,136,572
	Mobilization @	5.0%			$ 1,156,829
	Sales Tax @	7.9%			$ 1,827,789
	Engineering and Construction Management @	7.5%			$ 1,735,243
				Estimated Closure Cost:	**$ 27,856,433**
	Total Acreage at Full Build-Out:	169.20			
	Acreage with Final Closure through 2024:	43.97			
	Acres Remaining to be Closed at Full Build-Out:	125.23			
				Estimated Per Acre Unit Cost:	**$ 222,442.17**
	Constructed Acreage through 2024:	143.35			
	Acreage Closed through 2024:	43.97			
	Remaining Acres to be Closed as of January 1, 2025:	99.38			
				Estimated 2024 Closure Cost:	**$ 22,106,303**

Note: Closure and constructed acreages are plan-view.

Table 2

Estimated Annual Post-Closure Costs

LRI Landfill, Pierce County, Washington

January 29, 2025 Update

Total Acreage at Full Build-Out: 169.20
Constructed Acreage through 2024: 143.35

Description	Frequency	Quantity	Unit Cost	Total Cost
LDCRS Monitoring (11 sumps)				
sample collection	quarter	4	$ 2,082.00	$ 8,328.00
laboratory testing	quarter	4	$ 3,761.00	$ 15,044.00
data analysis and reporting	quarter	4	$ 2,776.00	$ 11,104.00
Groundwater Monitoring				
sample collection	quarter	4	$ 8,327.00	$ 33,308.00
laboratory testing	quarter	4	$ 8,345.00	$ 33,380.00
data analysis and reporting	quarter	4	$ 11,102.00	$ 44,408.00
Surface Water Monitoring				
sample collection	quarter	4	$ 763.00	$ 3,052.00
laboratory analysis	quarter	4	$ 705.00	$ 2,820.00
data analysis and reporting	quarter	4	$ 2,082.00	$ 8,328.00
Gas System Monitoring				
surface emission monitoring	quarterly	4	$ 1,388.00	$ 5,552.00
probe monitoring	month	12	$ 1,735.00	$ 20,820.00
data analysis and reporting	annual	1	$ 27,756.00	$ 27,756.00
General Facility Maintenance				
gas system maintenance	annual	1	$ 3,325.00	$ 3,325.00
gas flare replacement, 30 year amortization	annual	1	$ 14,872.00	$ 14,872.00
gas system operation	annual	1	$ 16,628.00	$ 16,628.00
cover maintenance	acre	143.35	$ 385.00	$ 55,189.75
cover replacement & repair	annual	1	$ 3,325.00	$ 3,325.00
sedimentation basin	annual	1	$ 3,844.00	$ 3,844.00
ditch / erosion maintenance	annual	1	$ 1,663.00	$ 1,663.00
buildings	month	12	$ 385.00	$ 4,620.00
equipment	month	12	$ 385.00	$ 4,620.00
General Operating Expenses				
administration	month	12	$ 1,538.00	$ 18,456.00
support services / accounting	month	12	$ 1,538.00	$ 18,456.00
real estate taxes	year	1	$ 61,517.00	$ 61,517.00
electricity	month	12	$ 1,493.00	$ 17,916.00
legal	year	1	$ 1,538.00	$ 1,538.00
engineering	year	1	$ 1,538.00	$ 1,538.00
Leachate System Operation & Maintenance				
pumps	year	2	$ 5,105.00	$ 10,210.00
collection pipe and force main	year	1	$ 3,190.00	$ 3,190.00
storage and load facility	year	1	$ 3,190.00	$ 3,190.00
trucking	gal	1,200,000	0.03	$ 36,000
treatment	gal	1,200,000	0.04	$ 48,000
			Estimated Annual Cost:	**$ 541,998**

Notes: 1) LDCRS monitoring costs assume sample collection, lab testing, and reporting for 11 sumps (LDCRS-1, 2A, 2B, 3A, 4A, 4B, 5, 6, 7, 8, and 9B).
2) Groundwater monitoring costs include sample collection, lab testing, and reporting for 9 wells (MW-1, 2, 3, 4, 5, 6, 7, 9, and 10) and 11 leachate sumps (LCRS-1, 2A, 2B, 3A, 4A, 4B, 5, 6, 7, 8, and 9B).
3) Surface water monitoring costs assume samples will be collected by LRI staff.

Appendix J

LRI Landfill 2024 Tonnage Report Form

DEPARTMENT OF ECOLOGY
State of Washington

ANNUAL REPORT
MUNICIPAL SOLID WASTE LANDFILL

FACILITY NAME: **LRI Landfill**	CALENDAR YEAR OF REPORT: **2024**	PERMIT NUMBER: **27-050**	FACILITY ID: **1948**
FACILITY LOCATION (street address): **30919 Meridian E., Graham, WA 98338**	COUNTY: **Pierce**		
FACILITY CONTACT (name): **George Duvendack**	FACILITY PHONE: **(253) 847-7555**		
FACILITY CONTACT MAILING ADDRESS (if different): **Same**	FACILITY CONTACT PHONE (if different): **Same**	FACILITY CONTACT EMAIL: **george.duvendack@wasteconnections.com**	

Did you operate in 2024?

☒ Yes ***If yes***, proceed to next section and complete the form.

☐ No ***If no***, answer the following questions, sign and date the last page, and submit. This completes your reporting obligations.

When did you stop operations? _____

Do you plan to restart? ☐ No ☐ Yes When? _____

AMOUNTS AND TYPES OF WASTE DISPOSED PER YEAR

PLEASE CHECK IF DISPOSED	AMOUNT DISPOSED Please check: ☐Cubic Yards or ☒Tons
☒ Municipal/Commercial Solid Waste	657,960
☒ Construction/Demolition Waste	1,967
☒ Yard Waste (disposed)	193
☐ Food Processing Waste (disposed)	
☐ Landclearing Debris	
☒ Industrial Waste	35,405
☐ Inert Waste	
☒ Wood Waste	
☒ Ash (other than special incinerator ash)	3,845
☐ Dredged Materials	
☐ Sewage Sludge	
☒ Asbestos	1,320
☐ Petroleum Contaminated Soils	
☒ Other Contaminated Soils	167,828
☒ Tires (disposed)	0.56
☒ Medical Waste	541
☒ Other (specify): Autofluff	145,639
☒ Other (specify): Sawdust	9
☒ Other (specify): Compost Overs	24,675
Total	**1,039,382**

DID YOU RECEIVE MATERIALS FOR RECYCLING? ☐ Yes (Please specify on pages 3-4.) ☒ No

ADDITIONAL INFORMATION (please check if attached):

☐ Attach results of ground water monitoring in accordance with WAC 173-351-415(1)

☐ Attach applicable financial assurance information in accordance with WAC 173-351-600

☐ For landfills with RD&D allowances, attach report showing progress toward project goals and a summary of monitoring and test results in accordance with WAC 173-351-710(3)(e)

Are you open to the public? ☐ Yes ☒ No

Tip fees (Attach schedule if available):$191.65

REMAINING PERMITTED CAPACITY:

In tons:_____11,626,808 _____

Estimated Date of Closure: _____2036_____

Are you planning an expansion this year?

☒ Yes ☐ No

ENERGY RECOVERY FROM LANDFILL:

Power Produced Annually _____33,449,111_____ kilowatt hours

During the reporting year, were there any changes in your management practices that would impact your operations?

☒ No ☐ Yes (specify) _____

Are there any new solid waste activities planned at your site for this calendar year? ☒ No ☐ Yes (specify) _____

_____

Planned start date: _____

DID YOU RECEIVE MATERIALS FOR DISPOSAL FROM:	WHERE FROM	TYPE OF WASTE	ESTIMATE AMOUNT ☒Tons or ☐Cubic Yards
Out of County? ☐ Yes ☒ No			
Out of State? ☐ Yes ☒ No			
Out of Country? ☐ Yes ☒ No			

NOTE: Please ONLY fill in this chart if you collected materials for RECYCLING or COMPOSTING

AMOUNTS AND TYPES OF MATERIALS COLLECTED FOR RECYCLING OR COMPOSTING

PLEASE CHECK IF RECEIVED FOR RECYCLING or COMPOSTING	COMMERCIAL Please check: ☐ Cubic Yards/Year or ☐ Scaled Tons/Year	RESIDENTIAL Please check: ☐ Cubic Yards/Year or ☐ Scaled Tons/Year	TOTAL AMOUNT RECEIVED Please check: ☐ Cubic Yards/Year or ☐ Scaled Tons/Year
☐ Newspaper			
☐ Corrugated Paper			
☐ Mixed Waste Paper			
☐ Container Glass			
☐ PET Plastics			
☐ HDPE Plastics			
☐ LDPE Plastics			
☐ Other Recyclable Plastics			
☐ Aluminum Cans			
☐ Tin Cans			
☐ Ferrous Metals (iron, steel)			
☐ Nonferrous Metals (excluding aluminum cans)			
☐ Appliances (white goods)			
☐ Electronics (computers, CPUs, hard drives)			
☐ Electronics (monitors, TVs)			
☐ Tires (collected)			
☐ Asphalt			
☐ Concrete			
☐ Construction/Demolition			
☐ Wood Waste			
☐ Landclearing Debris			
☐ Yard Debris			
☐ Food/Food Scraps			
☐ Textiles (rags, clothing)			
☐ Co-Mingled Recyclables (specify):			
☐ Other (specify):			
Total			

NOTE: Please ONLY fill in this chart if you collected materials for RECYCLING or COMPOSTING

DESTINATION AND FINAL USE OF OUTGOING MATERIALS COLLECTED FOR RECYCLING or COMPOSTING

MATERIAL	OUTGOING AMOUNT Please specify tons or cubic yards.	DESTINATION FACILITY Please specify name, city, state.	FINAL USE Please specify: disposed, recycled, reused, composted, treated, burned for energy, stockpiled, etc.

PREPARED BY: Travis Berndahl	DATE:3/25/25	PHONE: 425-213-3617
EMAIL: tberndahl@scsengineers.com		

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